Filter Summary Report: TIA,simple,Z4,Z5,ZL

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10.237 INVALID-ORDER-237 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 131
10.238 INVALID-ORDER-238 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ R_L\right)$ . . . 131

10.239 INVALID-ORDER-239 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{1}{C_L s}\right)$ . . . 131
10.240 INVALID-ORDER-240 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 132
10.241 INVALID-ORDER-241 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ R_L + \frac{1}{C_L s}\right)$ . . . 132
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10.243 INVALID-ORDER-243 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 132
10.244 INVALID-ORDER-244 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 132
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10.247 INVALID-ORDER-247 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 133
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10.249 INVALID-ORDER-249 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$ . . . 133
10.250 INVALID-ORDER-250 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 134
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10.252 INVALID-ORDER-252 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ L_L s + \frac{1}{C_L s}\right)$ . . . 134
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10.254 INVALID-ORDER-254 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 134
10.255 INVALID-ORDER-255 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 135
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10.258 INVALID-ORDER-258 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5,\ R_L\right)$ . . . 135
10.259 INVALID-ORDER-259 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5,\ L_L s + \frac{1}{C_L s}\right)$ . . . 135
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10.262 INVALID-ORDER-262 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5,\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 136
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10.265 INVALID-ORDER-265 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 137
10.266 INVALID-ORDER-266 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 137
10.267 INVALID-ORDER-267 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 137
10.268 INVALID-ORDER-268 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$ . . . 137
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10.270 INVALID-ORDER-270 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 137
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10.274 INVALID-ORDER-274 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s}\right)$ . . . 138
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10.277 INVALID-ORDER-277 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + \frac{1}{C_L s}\right)$ . . . 139
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10.279 INVALID-ORDER-279 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 139

10.280INVALID-ORDER-280 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 139
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10.285INVALID-ORDER-285 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 140
10.286INVALID-ORDER-286 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$ . . . 140
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10.288INVALID-ORDER-288 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 141
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10.290INVALID-ORDER-290 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 141
10.291INVALID-ORDER-291 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 141
10.292INVALID-ORDER-292 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ R_L\right)$ . . . 141
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10.298INVALID-ORDER-298 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 142
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10.300INVALID-ORDER-300 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 143
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10.305 INVALID-ORDER-305 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L + \frac{1}{C_L s}\right)$ . . . 144
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10.308 INVALID-ORDER-308 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 144
10.309 INVALID-ORDER-309 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 145
10.310 INVALID-ORDER-310 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 145
10.311 INVALID-ORDER-311 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 145
10.312 INVALID-ORDER-312 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L\right)$ . . . 145
10.313 INVALID-ORDER-313 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 145
10.314 INVALID-ORDER-314 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 146
10.315 INVALID-ORDER-315 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 146
10.316 INVALID-ORDER-316 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$ . . . 146
10.317 INVALID-ORDER-317 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 146
10.318 INVALID-ORDER-318 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 146
10.319 INVALID-ORDER-319 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 147
10.320 INVALID-ORDER-320 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 147
10.321 INVALID-ORDER-321 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 147
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10.324 INVALID-ORDER-324 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L}{C_L R_L s + 1}\right)$ . . . 148
10.325 INVALID-ORDER-325 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L + \frac{1}{C_L s}\right)$ . . . 148
10.326 INVALID-ORDER-326 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ L_L s + \frac{1}{C_L s}\right)$ . . . 148
10.327 INVALID-ORDER-327 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$ . . . 148
10.328 INVALID-ORDER-328 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 148
10.329 INVALID-ORDER-329 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 149
10.330 INVALID-ORDER-330 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$ . . . 149
10.331 INVALID-ORDER-331 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 149
10.332 INVALID-ORDER-332 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ R_L\right)$ . . . 149
10.333 INVALID-ORDER-333 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{1}{C_L s}\right)$ . . . 149
10.334 INVALID-ORDER-334 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{R_L}{C_L R_L s + 1}\right)$ . . . 150
10.335 INVALID-ORDER-335 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ R_L + \frac{1}{C_L s}\right)$ . . . 150
10.336 INVALID-ORDER-336 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ L_L s + \frac{1}{C_L s}\right)$ . . . 150
10.337 INVALID-ORDER-337 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$ . . . 150
10.338 INVALID-ORDER-338 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 150
10.339 INVALID-ORDER-339 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 151
10.340 INVALID-ORDER-340 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$ . . . 151
10.341 INVALID-ORDER-341 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 151
10.342 INVALID-ORDER-342 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ R_L\right)$ . . . 151
10.343 INVALID-ORDER-343 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$ . . . 151

10.344 INVALID-ORDER-344 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{R_L}{C_L R_L s + 1}\right)$ . . . 152
10.345 INVALID-ORDER-345 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ R_L + \frac{1}{C_L s}\right)$ . . . 152
10.346 INVALID-ORDER-346 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ L_L s + \frac{1}{C_L s}\right)$ . . . 152
10.347 INVALID-ORDER-347 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$ . . . 152
10.348 INVALID-ORDER-348 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 152
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10.350 INVALID-ORDER-350 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$ . . . 153
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10.353 INVALID-ORDER-353 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5,\ \frac{R_L}{C_L R_L s + 1}\right)$ . . . 153
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10.356 INVALID-ORDER-356 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5,\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$ . . . 154
10.357 INVALID-ORDER-357 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 154
10.358 INVALID-ORDER-358 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 154
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10.360 INVALID-ORDER-360 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 155
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10.364 INVALID-ORDER-364 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 156
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10.368 INVALID-ORDER-368 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 156
10.369 INVALID-ORDER-369 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 157
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10.377 INVALID-ORDER-377 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 158
10.378 INVALID-ORDER-378 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 158
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10.380 INVALID-ORDER-380 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 159
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10.383 INVALID-ORDER-383 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 159
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10.385 INVALID-ORDER-385 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$ . . . 160

10.386 INVALID-ORDER-386 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 160
10.387 INVALID-ORDER-387 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 160
10.388 INVALID-ORDER-388 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 160
10.389 INVALID-ORDER-389 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 161
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10.392 INVALID-ORDER-392 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 161
10.393 INVALID-ORDER-393 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 161
10.394 INVALID-ORDER-394 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 162
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10.396 INVALID-ORDER-396 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 162
10.397 INVALID-ORDER-397 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 162
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10.399 INVALID-ORDER-399 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 163
10.400 INVALID-ORDER-400 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 163
10.401 INVALID-ORDER-401 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L\right)$ . . . 163
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10.405 INVALID-ORDER-405 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + \frac{1}{C_L s}\right)$ . . . 164
10.406 INVALID-ORDER-406 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 164
10.407 INVALID-ORDER-407 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 164

10.408 INVALID-ORDER-408 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 164
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10.410 INVALID-ORDER-410 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 165
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10.414 INVALID-ORDER-414 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 166
10.415 INVALID-ORDER-415 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$ . . . 166
10.416 INVALID-ORDER-416 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 166
10.417 INVALID-ORDER-417 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 166
10.418 INVALID-ORDER-418 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 166
10.419 INVALID-ORDER-419 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 167
10.420 INVALID-ORDER-420 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 167
10.421 INVALID-ORDER-421 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ R_L\right)$ . . . 167
10.422 INVALID-ORDER-422 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{1}{C_L s}\right)$ . . . 167
10.423 INVALID-ORDER-423 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 167
10.424 INVALID-ORDER-424 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ R_L + \frac{1}{C_L s}\right)$ . . . 168
10.425 INVALID-ORDER-425 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s + \frac{1}{C_L s}\right)$ . . . 168
10.426 INVALID-ORDER-426 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 168
10.427 INVALID-ORDER-427 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 168

10.428 INVALID-ORDER-428 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 168
10.429 INVALID-ORDER-429 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$ . . . 169
10.430 INVALID-ORDER-430 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 169
10.431 INVALID-ORDER-431 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ R_L\right)$ . . . 169
10.432 INVALID-ORDER-432 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{1}{C_L s}\right)$ . . . 169
10.433 INVALID-ORDER-433 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{R_L}{C_L R_L s + 1}\right)$ . . . 169
10.434 INVALID-ORDER-434 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ R_L + \frac{1}{C_L s}\right)$ . . . 170
10.435 INVALID-ORDER-435 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ L_L s + \frac{1}{C_L s}\right)$ . . . 170
10.436 INVALID-ORDER-436 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$ . . . 170
10.437 INVALID-ORDER-437 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 170
10.438 INVALID-ORDER-438 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 170
10.439 INVALID-ORDER-439 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$ . . . 171
10.440 INVALID-ORDER-440 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 171
10.441 INVALID-ORDER-441 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ R_L\right)$ . . . 171
10.442 INVALID-ORDER-442 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$ . . . 171
10.443 INVALID-ORDER-443 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{R_L}{C_L R_L s + 1}\right)$ . . . 171
10.444 INVALID-ORDER-444 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ R_L + \frac{1}{C_L s}\right)$ . . . 172
10.445 INVALID-ORDER-445 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ L_L s + \frac{1}{C_L s}\right)$ . . . 172
10.446 INVALID-ORDER-446 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$ . . . 172

10.447 INVALID-ORDER-447 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 172
10.448 INVALID-ORDER-448 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 172
10.449 INVALID-ORDER-449 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$ . . . 173
10.450 INVALID-ORDER-450 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 173
10.451 INVALID-ORDER-451 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ R_5,\ R_L + \frac{1}{C_L s}\right)$ . . . 173
10.452 INVALID-ORDER-452 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ R_5,\ L_L s + \frac{1}{C_L s}\right)$ . . . 173
10.453 INVALID-ORDER-453 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 173
10.454 INVALID-ORDER-454 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ R_5,\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$ . . . 174
10.455 INVALID-ORDER-455 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 174
10.456 INVALID-ORDER-456 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ \frac{1}{C_5 s},\ R_L\right)$ . . . 174
10.457 INVALID-ORDER-457 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 174
10.458 INVALID-ORDER-458 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s + 1}\right)$ . . . 174
10.459 INVALID-ORDER-459 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 174
10.460 INVALID-ORDER-460 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$ . . . 175
10.461 INVALID-ORDER-461 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$ . . . 175
10.462 INVALID-ORDER-462 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 175
10.463 INVALID-ORDER-463 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 175
10.464 INVALID-ORDER-464 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$ . . . 175
10.465 INVALID-ORDER-465 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 176
10.466 INVALID-ORDER-466 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ \frac{R_5}{C_5 R_5 s + 1},\ R_L\right)$ . . . 176
10.467 INVALID-ORDER-467 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ \frac{R_5}{C_5 R_5 s + 1},\ \frac{1}{C_L s}\right)$ . . . 176

10.468 INVALID-ORDER-468 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 176
10.469 INVALID-ORDER-469 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ R_L + \frac{1}{C_L s}\right)$ . . . 176
10.470 INVALID-ORDER-470 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + \frac{1}{C_L s}\right)$ . . . 176
10.471 INVALID-ORDER-471 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 177
10.472 INVALID-ORDER-472 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 177
10.473 INVALID-ORDER-473 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 177
10.474 INVALID-ORDER-474 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 177
10.475 INVALID-ORDER-475 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 177
10.476 INVALID-ORDER-476 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ R_L\right)$ . . . 178
10.477 INVALID-ORDER-477 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 178
10.478 INVALID-ORDER-478 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 178
10.479 INVALID-ORDER-479 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 178
10.480 INVALID-ORDER-480 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$ . . . 178
10.481 INVALID-ORDER-481 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 178
10.482 INVALID-ORDER-482 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 179
10.483 INVALID-ORDER-483 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 179
10.484 INVALID-ORDER-484 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 179
10.485 INVALID-ORDER-485 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 179
10.486 INVALID-ORDER-486 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ R_L\right)$ . . . 179
10.487 INVALID-ORDER-487 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 180
10.488 INVALID-ORDER-488 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 180
10.489 INVALID-ORDER-489 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 180

10.490 INVALID-ORDER-490 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$ . . . 180
10.491 INVALID-ORDER-491 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 180
10.492 INVALID-ORDER-492 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 180
10.493 INVALID-ORDER-493 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 181
10.494 INVALID-ORDER-494 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 181
10.495 INVALID-ORDER-495 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 181
10.496 INVALID-ORDER-496 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L\right)$ . . . 181
10.497 INVALID-ORDER-497 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s}\right)$ . . . 181
10.498 INVALID-ORDER-498 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 182
10.499 INVALID-ORDER-499 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L + \frac{1}{C_L s}\right)$ . . . 182
10.500 INVALID-ORDER-500 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + \frac{1}{C_L s}\right)$ . . . 182
10.501 INVALID-ORDER-501 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 182
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10.515 INVALID-ORDER-515 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 185
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10.525 INVALID-ORDER-525 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 187
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10.585 INVALID-ORDER-585 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ R_L\right)$ . . . 199
10.586 INVALID-ORDER-586 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 199
10.587 INVALID-ORDER-587 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 199
10.588 INVALID-ORDER-588 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 200
10.589 INVALID-ORDER-589 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$ . . . 200
10.590 INVALID-ORDER-590 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 200
10.591 INVALID-ORDER-591 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 200
10.592 INVALID-ORDER-592 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 200
10.593 INVALID-ORDER-593 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 201
10.594 INVALID-ORDER-594 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 201

10.595 INVALID-ORDER-595 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L\right)$ . . . 201
10.596 INVALID-ORDER-596 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s}\right)$ . . . 201
10.597 INVALID-ORDER-597 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 201
10.598 INVALID-ORDER-598 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L + \frac{1}{C_L s}\right)$ . . . 202
10.599 INVALID-ORDER-599 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + \frac{1}{C_L s}\right)$ . . . 202
10.600 INVALID-ORDER-600 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 202
10.601 INVALID-ORDER-601 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 202
10.602 INVALID-ORDER-602 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 202
10.603 INVALID-ORDER-603 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 203
10.604 INVALID-ORDER-604 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 203
10.605 INVALID-ORDER-605 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L\right)$ . . . 203
10.606 INVALID-ORDER-606 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 203
10.607 INVALID-ORDER-607 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 203
10.608 INVALID-ORDER-608 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 204
10.609 INVALID-ORDER-609 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$ . . . 204
10.610 INVALID-ORDER-610 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 204
10.611 INVALID-ORDER-611 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 204
10.612 INVALID-ORDER-612 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 204
10.613 INVALID-ORDER-613 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 205
10.614 INVALID-ORDER-614 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 205
10.615 INVALID-ORDER-615 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L\right)$ . . . 205
10.616 INVALID-ORDER-616 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{1}{C_L s}\right)$ . . . 205

10.617 INVALID-ORDER-617 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L}{C_L R_L s + 1}\right)$ . . . 205
10.618 INVALID-ORDER-618 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L + \frac{1}{C_L s}\right)$ . . . 206
10.619 INVALID-ORDER-619 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ L_L s + \frac{1}{C_L s}\right)$ . . . 206
10.620 INVALID-ORDER-620 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$ . . . 206
10.621 INVALID-ORDER-621 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 206
10.622 INVALID-ORDER-622 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 206
10.623 INVALID-ORDER-623 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$ . . . 207
10.624 INVALID-ORDER-624 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 207
10.625 INVALID-ORDER-625 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ R_L\right)$ . . . 207
10.626 INVALID-ORDER-626 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{1}{C_L s}\right)$ . . . 207
10.627 INVALID-ORDER-627 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{R_L}{C_L R_L s + 1}\right)$ . . . 207
10.628 INVALID-ORDER-628 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ R_L + \frac{1}{C_L s}\right)$ . . . 208
10.629 INVALID-ORDER-629 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ L_L s + \frac{1}{C_L s}\right)$ . . . 208
10.630 INVALID-ORDER-630 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$ . . . 208
10.631 INVALID-ORDER-631 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 208
10.632 INVALID-ORDER-632 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 208
10.633 INVALID-ORDER-633 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$ . . . 209
10.634 INVALID-ORDER-634 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 209
10.635 INVALID-ORDER-635 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ R_L\right)$ . . . 209
10.636 INVALID-ORDER-636 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$ . . . 209

10.637 INVALID-ORDER-637 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{R_L}{C_L R_L s + 1}\right)$ . . . 209
10.638 INVALID-ORDER-638 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ R_L + \frac{1}{C_L s}\right)$ . . . 210
10.639 INVALID-ORDER-639 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ L_L s + \frac{1}{C_L s}\right)$ . . . 210
10.640 INVALID-ORDER-640 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$ . . . 210
10.641 INVALID-ORDER-641 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 210
10.642 INVALID-ORDER-642 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 210
10.643 INVALID-ORDER-643 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$ . . . 211
10.644 INVALID-ORDER-644 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 211
10.645 INVALID-ORDER-645 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s + \frac{1}{R_4} + \frac{1}{L_4 s}},\ R_5,\ R_L + \frac{1}{C_L s}\right)$ . . . 211
10.646 INVALID-ORDER-646 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s + \frac{1}{R_4} + \frac{1}{L_4 s}},\ R_5,\ L_L s + \frac{1}{C_L s}\right)$ . . . 211
10.647 INVALID-ORDER-647 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s + \frac{1}{R_4} + \frac{1}{L_4 s}},\ R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 211
10.648 INVALID-ORDER-648 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s + \frac{1}{R_4} + \frac{1}{L_4 s}},\ R_5,\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$ . . . 212
10.649 INVALID-ORDER-649 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s + \frac{1}{R_4} + \frac{1}{L_4 s}},\ R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 212
10.650 INVALID-ORDER-650 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s + \frac{1}{R_4} + \frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ R_L\right)$ . . . 212
10.651 INVALID-ORDER-651 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s + \frac{1}{R_4} + \frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 212
10.652 INVALID-ORDER-652 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s + \frac{1}{R_4} + \frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s + 1}\right)$ . . . 212
10.653 INVALID-ORDER-653 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s + \frac{1}{R_4} + \frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 213

10.654 INVALID-ORDER-654 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ L_L s+\frac{1}{C_L s}\right)$ 213
10.655 INVALID-ORDER-655 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ 213
10.656 INVALID-ORDER-656 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ L_L s+R_L+\frac{1}{C_L s}\right)$ 213
10.657 INVALID-ORDER-657 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ 213
10.658 INVALID-ORDER-658 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$ 214
10.659 INVALID-ORDER-659 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ 214
10.660 INVALID-ORDER-660 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ R_L\right)$ 214
10.661 INVALID-ORDER-661 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s}\right)$ 214
10.662 INVALID-ORDER-662 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L}{C_L R_L s+1}\right)$ 214
10.663 INVALID-ORDER-663 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ R_L+\frac{1}{C_L s}\right)$ 215
10.664 INVALID-ORDER-664 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s+\frac{1}{C_L s}\right)$ 215
10.665 INVALID-ORDER-665 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ 215
10.666 INVALID-ORDER-666 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s+R_L+\frac{1}{C_L s}\right)$ 215
10.667 INVALID-ORDER-667 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ 215
10.668 INVALID-ORDER-668 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$ 216
10.669 INVALID-ORDER-669 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ 216
10.670 INVALID-ORDER-670 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ R_L\right)$ 216
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10.672 INVALID-ORDER-672 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 216
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10.674 INVALID-ORDER-674 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ L_L s+\frac{1}{C_L s}\right)$ . . . 217
10.675 INVALID-ORDER-675 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 217
10.676 INVALID-ORDER-676 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ L_L s+R_L+\frac{1}{C_L s}\right)$ . . . 217
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10.678 INVALID-ORDER-678 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$ . . . 218
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10.680 INVALID-ORDER-680 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+\frac{1}{C_5 s},\ R_L\right)$ . . . 218
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10.682 INVALID-ORDER-682 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 218
10.683 INVALID-ORDER-683 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+\frac{1}{C_5 s},\ R_L+\frac{1}{C_L s}\right)$ . . . 219
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10.685 INVALID-ORDER-685 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 219
10.686 INVALID-ORDER-686 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+\frac{1}{C_5 s},\ L_L s+R_L+\frac{1}{C_L s}\right)$ . . . 219
10.687 INVALID-ORDER-687 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 219
10.688 INVALID-ORDER-688 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$ . . . 220
10.689 INVALID-ORDER-689 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 220

10.690 INVALID-ORDER-690 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L\right)$ . . . 220
10.691 INVALID-ORDER-691 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s}\right)$ . . . 220
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10.693 INVALID-ORDER-693 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L+\frac{1}{C_L s}\right)$ . . . 221
10.694 INVALID-ORDER-694 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s+\frac{1}{C_L s}\right)$ . . . 221
10.695 INVALID-ORDER-695 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 221
10.696 INVALID-ORDER-696 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s+R_L+\frac{1}{C_L s}\right)$ . . . 221
10.697 INVALID-ORDER-697 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 221
10.698 INVALID-ORDER-698 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$ . . . 222
10.699 INVALID-ORDER-699 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 222
10.700 INVALID-ORDER-700 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+R_5+\frac{1}{C_5 s},\ R_L\right)$ . . . 222
10.701 INVALID-ORDER-701 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+R_5+\frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 222
10.702 INVALID-ORDER-702 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+R_5+\frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 222
10.703 INVALID-ORDER-703 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+R_5+\frac{1}{C_5 s},\ R_L+\frac{1}{C_L s}\right)$ . . . 223
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10.705 INVALID-ORDER-705 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+R_5+\frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 223
10.706 INVALID-ORDER-706 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+R_5+\frac{1}{C_5 s},\ L_L s+R_L+\frac{1}{C_L s}\right)$ . . . 223
10.707 INVALID-ORDER-707 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+R_5+\frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 223

10.708 INVALID-ORDER-708 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ 224
10.709 INVALID-ORDER-709 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ 224
10.710 INVALID-ORDER-710 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ R_L\right)$ 224
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10.713 INVALID-ORDER-713 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ R_L + \frac{1}{C_L s}\right)$ 225
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10.716 INVALID-ORDER-716 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$ 225
10.717 INVALID-ORDER-717 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ 225
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10.721 INVALID-ORDER-721 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{1}{C_L s}\right)$ 226
10.722 INVALID-ORDER-722 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L}{C_L R_L s+1}\right)$ 226
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10.726 INVALID-ORDER-726 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ L_L s+R_L+\frac{1}{C_L s}\right)$ 227

10.727 INVALID-ORDER-727 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ 227

10.728 INVALID-ORDER-728 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$ 228

10.729 INVALID-ORDER-729 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ 228

10.730 INVALID-ORDER-730 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L\right)$ 228

10.731 INVALID-ORDER-731 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$ 228

10.732 INVALID-ORDER-732 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$ 228

10.733 INVALID-ORDER-733 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L+\frac{1}{C_L s}\right)$ 229

10.734 INVALID-ORDER-734 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s+\frac{1}{C_L s}\right)$ 229

10.735 INVALID-ORDER-735 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ 229

10.736 INVALID-ORDER-736 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s+R_L+\frac{1}{C_L s}\right)$ 229

10.737 INVALID-ORDER-737 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ 229

10.738 INVALID-ORDER-738 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$ 230

10.739 INVALID-ORDER-739 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ 230

10.740 INVALID-ORDER-740 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1}+R_4,\ R_5,\ \frac{1}{C_L s}\right)$ 230

10.741 INVALID-ORDER-741 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1}+R_4,\ R_5,\ \frac{R_L}{C_L R_L s+1}\right)$ 230

10.742 INVALID-ORDER-742 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1}+R_4,\ R_5,\ R_L+\frac{1}{C_L s}\right)$ 230

10.743 INVALID-ORDER-743 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1}+R_4,\ R_5,\ L_L s+\frac{1}{C_L s}\right)$ 231

10.744 INVALID-ORDER-744 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1}+R_4,\ R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$ 231

10.745 INVALID-ORDER-745 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 231
10.746 INVALID-ORDER-746 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 231
10.747 INVALID-ORDER-747 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 231
10.748 INVALID-ORDER-748 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 232
10.749 INVALID-ORDER-749 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ R_L\right)$ . . . 232
10.750 INVALID-ORDER-750 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 232
10.751 INVALID-ORDER-751 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 232
10.752 INVALID-ORDER-752 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 232
10.753 INVALID-ORDER-753 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$ . . . 233
10.754 INVALID-ORDER-754 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 233
10.755 INVALID-ORDER-755 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 233
10.756 INVALID-ORDER-756 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 233
10.757 INVALID-ORDER-757 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 233
10.758 INVALID-ORDER-758 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 234
10.759 INVALID-ORDER-759 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ R_L\right)$ . . . 234
10.760 INVALID-ORDER-760 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s}\right)$ . . . 234
10.761 INVALID-ORDER-761 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 234
10.762 INVALID-ORDER-762 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ R_L + \frac{1}{C_L s}\right)$ . . . 234
10.763 INVALID-ORDER-763 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + \frac{1}{C_L s}\right)$ . . . 235
10.764 INVALID-ORDER-764 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 235
10.765 INVALID-ORDER-765 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 235
10.766 INVALID-ORDER-766 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 235

10.767 INVALID-ORDER-767 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 235
10.768 INVALID-ORDER-768 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 236
10.769 INVALID-ORDER-769 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ R_L\right)$ . . . 236
10.770 INVALID-ORDER-770 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 236
10.771 INVALID-ORDER-771 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 236
10.772 INVALID-ORDER-772 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 236
10.773 INVALID-ORDER-773 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$ . . . 237
10.774 INVALID-ORDER-774 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 237
10.775 INVALID-ORDER-775 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 237
10.776 INVALID-ORDER-776 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 237
10.777 INVALID-ORDER-777 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 237
10.778 INVALID-ORDER-778 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 238
10.779 INVALID-ORDER-779 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ R_L\right)$ . . . 238
10.780 INVALID-ORDER-780 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 238
10.781 INVALID-ORDER-781 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 238
10.782 INVALID-ORDER-782 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 238
10.783 INVALID-ORDER-783 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$ . . . 239
10.784 INVALID-ORDER-784 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 239
10.785 INVALID-ORDER-785 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 239
10.786 INVALID-ORDER-786 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 239
10.787 INVALID-ORDER-787 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 239
10.788 INVALID-ORDER-788 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 240

10.789 INVALID-ORDER-789 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L\right)$ . . . 240
10.790 INVALID-ORDER-790 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s}\right)$ . . . 240
10.791 INVALID-ORDER-791 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 240
10.792 INVALID-ORDER-792 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L + \frac{1}{C_L s}\right)$ . . . 240
10.793 INVALID-ORDER-793 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + \frac{1}{C_L s}\right)$ . . . 241
10.794 INVALID-ORDER-794 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 241
10.795 INVALID-ORDER-795 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 241
10.796 INVALID-ORDER-796 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 241
10.797 INVALID-ORDER-797 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 241
10.798 INVALID-ORDER-798 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 242
10.799 INVALID-ORDER-799 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L\right)$ . . . 242
10.800 INVALID-ORDER-800 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 242
10.801 INVALID-ORDER-801 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 242
10.802 INVALID-ORDER-802 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ . . . 242
10.803 INVALID-ORDER-803 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$ . . . 243
10.804 INVALID-ORDER-804 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 243
10.805 INVALID-ORDER-805 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 243
10.806 INVALID-ORDER-806 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$ . . . 243
10.807 INVALID-ORDER-807 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 243
10.808 INVALID-ORDER-808 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$ . . . 244
10.809 INVALID-ORDER-809 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L\right)$ . . . 244
10.810 INVALID-ORDER-810 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{1}{C_L s}\right)$ . . . 244

10.811 INVALID-ORDER-811 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$ 244

10.812 INVALID-ORDER-812 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ R_L + \frac{1}{C_L s}\right)$ 244

10.813 INVALID-ORDER-813 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s + \frac{1}{C_L s}\right)$ 245

10.814 INVALID-ORDER-814 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ 245

10.815 INVALID-ORDER-815 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$ 245

10.816 INVALID-ORDER-816 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ 245

10.817 INVALID-ORDER-817 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ 245

10.818 INVALID-ORDER-818 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ 246

10.819 INVALID-ORDER-819 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ R_L\right)$ 246

10.820 INVALID-ORDER-820 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{1}{C_L s}\right)$ 246

10.821 INVALID-ORDER-821 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L}{C_L R_L s+1}\right)$ 246

10.822 INVALID-ORDER-822 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ R_L + \frac{1}{C_L s}\right)$ 246

10.823 INVALID-ORDER-823 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + \frac{1}{C_L s}\right)$ 247

10.824 INVALID-ORDER-824 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$ 247

10.825 INVALID-ORDER-825 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$ 247

10.826 INVALID-ORDER-826 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ 247

10.827 INVALID-ORDER-827 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ 247

10.828 INVALID-ORDER-828 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ 248

10.829 INVALID-ORDER-829 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L\right)$ 248

10.830 INVALID-ORDER-830 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$ 248

10.831 INVALID-ORDER-831 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 248
10.832 INVALID-ORDER-832 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L + \frac{1}{C_L s}\right)$ . . . 248
10.833 INVALID-ORDER-833 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s + \frac{1}{C_L s}\right)$ . . . 249
10.834 INVALID-ORDER-834 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 249
10.835 INVALID-ORDER-835 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 249
10.836 INVALID-ORDER-836 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 249
10.837 INVALID-ORDER-837 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 249
10.838 INVALID-ORDER-838 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 250
10.839 INVALID-ORDER-839 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ \frac{1}{C_L s}\right)$ . . . 250
10.840 INVALID-ORDER-840 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 250
10.841 INVALID-ORDER-841 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ R_L + \frac{1}{C_L s}\right)$ . . . 250
10.842 INVALID-ORDER-842 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ L_L s + \frac{1}{C_L s}\right)$ . . . 250
10.843 INVALID-ORDER-843 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 251
10.844 INVALID-ORDER-844 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$ . . . 251
10.845 INVALID-ORDER-845 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 251
10.846 INVALID-ORDER-846 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ . . . 251
10.847 INVALID-ORDER-847 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 251

10.848 INVALID-ORDER-848 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ R_L\right)$ . . . 252
10.849 INVALID-ORDER-849 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 252
10.850 INVALID-ORDER-850 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 252
10.851 INVALID-ORDER-851 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ R_L+\frac{1}{C_L s}\right)$ . . . 252
10.852 INVALID-ORDER-852 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ L_L s+\frac{1}{C_L s}\right)$ . . . 252
10.853 INVALID-ORDER-853 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 253
10.854 INVALID-ORDER-854 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ L_L s+R_L+\frac{1}{C_L s}\right)$ . . . 253
10.855 INVALID-ORDER-855 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 253
10.856 INVALID-ORDER-856 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$ . . . 253
10.857 INVALID-ORDER-857 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 253
10.858 INVALID-ORDER-858 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ R_L\right)$ . . . 254
10.859 INVALID-ORDER-859 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s}\right)$ . . . 254
10.860 INVALID-ORDER-860 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 254
10.861 INVALID-ORDER-861 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ R_L+\frac{1}{C_L s}\right)$ . . . 254
10.862 INVALID-ORDER-862 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s+\frac{1}{C_L s}\right)$ . . . 254
10.863 INVALID-ORDER-863 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 255
10.864 INVALID-ORDER-864 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s+R_L+\frac{1}{C_L s}\right)$ . . . 255

10.865 INVALID-ORDER-865 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 255
10.866 INVALID-ORDER-866 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$ . . . 255
10.867 INVALID-ORDER-867 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 255
10.868 INVALID-ORDER-868 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ R_L\right)$ . . . 256
10.869 INVALID-ORDER-869 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 256
10.870 INVALID-ORDER-870 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 256
10.871 INVALID-ORDER-871 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ R_L+\frac{1}{C_L s}\right)$ . . . 256
10.872 INVALID-ORDER-872 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ L_L s+\frac{1}{C_L s}\right)$ . . . 256
10.873 INVALID-ORDER-873 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 257
10.874 INVALID-ORDER-874 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ L_L s+R_L+\frac{1}{C_L s}\right)$ . . . 257
10.875 INVALID-ORDER-875 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 257
10.876 INVALID-ORDER-876 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$ . . . 257
10.877 INVALID-ORDER-877 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 257
10.878 INVALID-ORDER-878 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ R_L\right)$ . . . 258
10.879 INVALID-ORDER-879 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ . . . 258
10.880 INVALID-ORDER-880 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 258
10.881 INVALID-ORDER-881 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ R_L+\frac{1}{C_L s}\right)$ . . . 258

10.882 INVALID-ORDER-882 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ L_L s+\frac{1}{C_L s}\right)$ . . . 258
10.883 INVALID-ORDER-883 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 259
10.884 INVALID-ORDER-884 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ L_L s+R_L+\frac{1}{C_L s}\right)$ . . . 259
10.885 INVALID-ORDER-885 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 259
10.886 INVALID-ORDER-886 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$ . . . 259
10.887 INVALID-ORDER-887 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 259
10.888 INVALID-ORDER-888 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L\right)$ . . . 260
10.889 INVALID-ORDER-889 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s}\right)$ . . . 260
10.890 INVALID-ORDER-890 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 260
10.891 INVALID-ORDER-891 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L+\frac{1}{C_L s}\right)$ . . . 260
10.892 INVALID-ORDER-892 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s+\frac{1}{C_L s}\right)$ . . . 260
10.893 INVALID-ORDER-893 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 261
10.894 INVALID-ORDER-894 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s+R_L+\frac{1}{C_L s}\right)$ . . . 261
10.895 INVALID-ORDER-895 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 261
10.896 INVALID-ORDER-896 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$ . . . 261
10.897 INVALID-ORDER-897 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 261
10.898 INVALID-ORDER-898 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+R_5+\frac{1}{C_5 s},\ R_L\right)$ . . . 262

10.899 INVALID-ORDER-899 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$ 262
10.900 INVALID-ORDER-900 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$ 262
10.901 INVALID-ORDER-901 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$ 262
10.902 INVALID-ORDER-902 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$ 262
10.903 INVALID-ORDER-903 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ 263
10.904 INVALID-ORDER-904 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$ 263
10.905 INVALID-ORDER-905 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ 263
10.906 INVALID-ORDER-906 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ 263
10.907 INVALID-ORDER-907 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ 263
10.908 INVALID-ORDER-908 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ R_L\right)$ 264
10.909 INVALID-ORDER-909 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{1}{C_L s}\right)$ 264
10.910 INVALID-ORDER-910 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$ 264
10.911 INVALID-ORDER-911 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ R_L + \frac{1}{C_L s}\right)$ 264
10.912 INVALID-ORDER-912 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s + \frac{1}{C_L s}\right)$ 264
10.913 INVALID-ORDER-913 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ 265
10.914 INVALID-ORDER-914 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$ 265
10.915 INVALID-ORDER-915 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ 265

10.916 INVALID-ORDER-916 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$ . . . 265
10.917 INVALID-ORDER-917 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 265
10.918 INVALID-ORDER-918 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ R_L\right)$ . . . 266
10.919 INVALID-ORDER-919 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{1}{C_L s}\right)$ . . . 266
10.920 INVALID-ORDER-920 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 266
10.921 INVALID-ORDER-921 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ R_L+\frac{1}{C_L s}\right)$ . . . 266
10.922 INVALID-ORDER-922 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ L_L s+\frac{1}{C_L s}\right)$ . . . 266
10.923 INVALID-ORDER-923 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$ . . . 267
10.924 INVALID-ORDER-924 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ L_L s+R_L+\frac{1}{C_L s}\right)$ . . . 267
10.925 INVALID-ORDER-925 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ . . . 267
10.926 INVALID-ORDER-926 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$ . . . 267
10.927 INVALID-ORDER-927 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ . . . 267
10.928 INVALID-ORDER-928 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L\right)$ . . . 268
10.929 INVALID-ORDER-929 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$ . . . 268
10.930 INVALID-ORDER-930 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$ . . . 268
10.931 INVALID-ORDER-931 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L+\frac{1}{C_L s}\right)$ . . . 268
10.932 INVALID-ORDER-932 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s+\frac{1}{C_L s}\right)$ . . . 268

10.933 INVALID-ORDER-933 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$ 269
10.934 INVALID-ORDER-934 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$ 269
10.935 INVALID-ORDER-935 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$ 269
10.936 INVALID-ORDER-936 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$ 269
10.937 INVALID-ORDER-937 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$ 269

1 Examined $H(z)$ for TIA simple Z4 Z5 ZL: $\frac{Z_4 Z_L (Z_5 g_m - 1)}{Z_4 Z_5 g_m + 2 Z_4 Z_L g_m + Z_4 + 2 Z_5 Z_L g_m + 2 Z_L}$

$$H(z) = \frac{Z_4 Z_L \left(Z_5 g_m - 1\right)}{Z_4 Z_5 g_m + 2 Z_4 Z_L g_m + Z_4 + 2 Z_5 Z_L g_m + 2 Z_L}$$

2 HP

3 BP

3.1 BP-1 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5,\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{L_L R_4 s \left(R_5 g_m - 1\right)}{C_L L_L R_4 R_5 g_m s^2 + C_L L_L R_4 s^2 + 2 L_L R_4 g_m s + 2 L_L R_5 g_m s + 2 L_L s + R_4 R_5 g_m + R_4}$$

Parameters:

Q: $\frac{C_L R_4 \sqrt{\frac{1}{C_L L_L}} (R_5 g_m + 1)}{2 (R_4 g_m + R_5 g_m + 1)}$
wo: $\sqrt{\frac{1}{C_L L_L}}$
bandwidth: $\frac{2 (R_4 g_m + R_5 g_m + 1)}{C_L R_4 (R_5 g_m + 1)}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_4 (R_5 g_m - 1)}{2 (R_4 g_m + R_5 g_m + 1)}$
Qz: 0
Wz: None

3.2 BP-2 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_4 R_L s \left(R_5 g_m - 1\right)}{C_L L_L R_4 R_5 R_L g_m s^2 + C_L L_L R_4 R_L s^2 + L_L R_4 R_5 g_m s + 2 L_L R_4 R_L g_m s + L_L R_4 s + 2 L_L R_5 R_L g_m s + 2 L_L R_L s + R_4 R_5 R_L g_m + R_4 R_L}$$

Parameters:

Q: $\frac{C_L R_4 R_L \sqrt{\frac{1}{C_L L_L}}(R_5 g_m+1)}{R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L}$
wo: $\sqrt{\frac{1}{C_L L_L}}$
bandwidth: $\frac{R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L}{C_L R_4 R_L(R_5 g_m+1)}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_4 R_L(R_5 g_m-1)}{R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L}$
Qz: 0
Wz: None

3.3 BP-3 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L s\,(R_5 g_m - 1)}{2C_4 L_L R_5 g_m s^2 + 2C_4 L_L s^2 + C_L L_L R_5 g_m s^2 + C_L L_L s^2 + 2L_L g_m s + R_5 g_m + 1}$$

Parameters:

Q: $\frac{\sqrt{\frac{1}{L_L(2C_4+C_L)}}\left(C_4 R_5 g_m+C_4+\frac{C_L R_5 g_m}{2}+\frac{C_L}{2}\right)}{g_m}$
wo: $\sqrt{\frac{1}{L_L(2C_4+C_L)}}$
bandwidth: $\frac{g_m}{C_4 R_5 g_m+C_4+\frac{C_L R_5 g_m}{2}+\frac{C_L}{2}}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_5 g_m-1}{2g_m}$
Qz: 0
Wz: None

3.4 BP-4 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5,\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_L s\,(R_5 g_m - 1)}{2C_4 L_L R_5 R_L g_m s^2 + 2C_4 L_L R_L s^2 + C_L L_L R_5 R_L g_m s^2 + C_L L_L R_L s^2 + L_L R_5 g_m s + 2L_L R_L g_m s + L_L s + R_5 R_L g_m + R_L}$$

Parameters:

Q: $\frac{R_L\sqrt{\frac{1}{L_L(2C_4+C_L)}}(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}{R_5g_m+2R_Lg_m+1}$
wo: $\sqrt{\frac{1}{L_L(2C_4+C_L)}}$
bandwidth: $\frac{R_5g_m+2R_Lg_m+1}{R_L(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_L(R_5g_m-1)}{R_5g_m+2R_Lg_m+1}$
Qz: 0
Wz: None

3.5 BP-5 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5,\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{L_LR_4s\left(R_5g_m-1\right)}{2C_4L_LR_4R_5g_ms^2+2C_4L_LR_4s^2+C_LL_LR_4R_5g_ms^2+C_LL_LR_4s^2+2L_LR_4g_ms+2L_LR_5g_ms+2L_Ls+R_4R_5g_m+R_4}$$

Parameters:

Q: $\frac{R_4\sqrt{\frac{1}{L_L(2C_4+C_L)}}(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}{2(R_4g_m+R_5g_m+1)}$
wo: $\sqrt{\frac{1}{L_L(2C_4+C_L)}}$
bandwidth: $\frac{2(R_4g_m+R_5g_m+1)}{R_4(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_4(R_5g_m-1)}{2(R_4g_m+R_5g_m+1)}$
Qz: 0
Wz: None

3.6 BP-6 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5,\ \frac{1}{C_Ls+\frac{1}{R_L}+\frac{1}{L_Ls}}\right)$

$$H(s) = \frac{L_LR_4R_Ls\left(R_5g_m-1\right)}{2C_4L_LR_4R_5R_Lg_ms^2+2C_4L_LR_4R_Ls^2+C_LL_LR_4R_5R_Lg_ms^2+C_LL_LR_4R_Ls^2+L_LR_4R_5g_ms+2L_LR_4R_Lg_ms+L_LR_4s+2L_LR_5R_Lg_ms+2L_LR_Ls+R_4R_5R_Lg_m+R_4R_L$$

Parameters:

Q: $\frac{R_4 R_L \sqrt{\frac{1}{L_L(2C_4+C_L)}}(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}$
wo: $\sqrt{\frac{1}{L_L(2C_4+C_L)}}$
bandwidth: $\frac{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}{R_4R_L(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_4R_L(R_5g_m-1)}{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}$
Qz: 0
Wz: None

3.7 BP-7 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4L_4s^2+1},\ R_5,\ R_L\right)$

$$H(s) = \frac{L_4R_Ls\left(R_5g_m-1\right)}{2C_4L_4R_5R_Lg_ms^2+2C_4L_4R_Ls^2+L_4R_5g_ms+2L_4R_Lg_ms+L_4s+2R_5R_Lg_m+2R_L}$$

Parameters:

Q: $\frac{2C_4R_L\sqrt{\frac{1}{C_4L_4}}(R_5g_m+1)}{R_5g_m+2R_Lg_m+1}$
wo: $\sqrt{\frac{1}{C_4L_4}}$
bandwidth: $\frac{R_5g_m+2R_Lg_m+1}{2C_4R_L(R_5g_m+1)}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_L(R_5g_m-1)}{R_5g_m+2R_Lg_m+1}$
Qz: 0
Wz: None

3.8 BP-8 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4L_4s^2+1},\ R_5,\ \frac{1}{C_Ls}\right)$

$$H(s) = \frac{L_4s\left(R_5g_m-1\right)}{2C_4L_4R_5g_ms^2+2C_4L_4s^2+C_LL_4R_5g_ms^2+C_LL_4s^2+2L_4g_ms+2R_5g_m+2}$$

Parameters:

Q: $\frac{\sqrt{2}\sqrt{\frac{1}{L_4(2C_4+C_L)}}\left(C_4R_5g_m+C_4+\frac{C_LR_5g_m}{2}+\frac{C_L}{2}\right)}{g_m}$
wo: $\sqrt{2}\sqrt{\frac{1}{L_4(2C_4+C_L)}}$
bandwidth: $\frac{g_m}{C_4R_5g_m+C_4+\frac{C_LR_5g_m}{2}+\frac{C_L}{2}}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_5g_m-1}{2g_m}$
Qz: 0
Wz: None

3.9 BP-9 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4s}{C_4L_4s^2+1},\ R_5,\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{L_4R_Ls\left(R_5g_m-1\right)}{2C_4L_4R_5R_Lg_ms^2+2C_4L_4R_Ls^2+C_LL_4R_5R_Lg_ms^2+C_LL_4R_Ls^2+L_4R_5g_ms+2L_4R_Lg_ms+L_4s+2R_5R_Lg_m+2R_L}$$

Parameters:

Q: $\frac{\sqrt{2}R_L\sqrt{\frac{1}{L_4(2C_4+C_L)}}(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}{R_5g_m+2R_Lg_m+1}$
wo: $\sqrt{2}\sqrt{\frac{1}{L_4(2C_4+C_L)}}$
bandwidth: $\frac{R_5g_m+2R_Lg_m+1}{R_L(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_L(R_5g_m-1)}{R_5g_m+2R_Lg_m+1}$
Qz: 0
Wz: None

3.10 BP-10 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4s}{C_4L_4s^2+1},\ R_5,\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{L_4L_Ls\left(R_5g_m-1\right)}{2C_4L_4L_LR_5g_ms^2+2C_4L_4L_Ls^2+C_LL_4L_LR_5g_ms^2+C_LL_4L_Ls^2+2L_4L_Lg_ms+L_4R_5g_m+L_4+2L_LR_5g_m+2L_L}$$

Parameters:

Q: $\frac{\sqrt{\frac{L_4+2L_L}{L_4L_L(2C_4+C_L)}}\left(C_4R_5g_m+C_4+\frac{C_LR_5g_m}{2}+\frac{C_L}{2}\right)}{g_m}$
wo: $\sqrt{\frac{L_4+2L_L}{L_4L_L(2C_4+C_L)}}$
bandwidth: $\frac{g_m}{C_4R_5g_m+C_4+\frac{C_LR_5g_m}{2}+\frac{C_L}{2}}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_5g_m-1}{2g_m}$
Qz: 0
Wz: None

3.11 BP-11 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4s}{C_4L_4s^2+1},\ R_5,\ \frac{1}{C_Ls+\frac{1}{R_L}+\frac{1}{L_Ls}}\right)$

$$H(s) = \frac{L_4L_LR_Ls\left(R_5g_m-1\right)}{2C_4L_4L_LR_5R_Lg_ms^2+2C_4L_4L_LR_Ls^2+C_LL_4L_LR_5R_Lg_ms^2+C_LL_4L_LR_Ls^2+L_4L_LR_5g_ms+2L_4L_LR_Lg_ms+L_4L_Ls+L_4R_5R_Lg_m+L_4R_L+2L_LR_5R_Lg_m+2L_LR_L}$$

Parameters:

Q: $\frac{R_L\sqrt{\frac{L_4+2L_L}{L_4L_L(2C_4+C_L)}}(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}{R_5g_m+2R_Lg_m+1}$
wo: $\sqrt{\frac{L_4+2L_L}{L_4L_L(2C_4+C_L)}}$
bandwidth: $\frac{R_5g_m+2R_Lg_m+1}{R_L(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_L(R_5g_m-1)}{R_5g_m+2R_Lg_m+1}$
Qz: 0
Wz: None

3.12 BP-12 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4s+\frac{1}{R_4}+\frac{1}{L_4s}},\ R_5,\ R_L\right)$

$$H(s) = \frac{L_4R_4R_Ls\left(R_5g_m-1\right)}{2C_4L_4R_4R_5R_Lg_ms^2+2C_4L_4R_4R_Ls^2+L_4R_4R_5g_ms+2L_4R_4R_Lg_ms+L_4R_4s+2L_4R_5R_Lg_ms+2L_4R_Ls+2R_4R_5R_Lg_m+2R_4R_L}$$

Parameters:

Q: $\frac{2C_4R_4R_L\sqrt{\frac{1}{C_4L_4}}(R_5g_m+1)}{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}$
wo: $\sqrt{\frac{1}{C_4L_4}}$
bandwidth: $\frac{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}{2C_4R_4R_L(R_5g_m+1)}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_4R_L(R_5g_m-1)}{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}$
Qz: 0
Wz: None

3.13 BP-13 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4s+\frac{1}{R_4}+\frac{1}{L_4s}},\ R_5,\ \frac{1}{C_Ls}\right)$

$$H(s) = \frac{L_4R_4s\left(R_5g_m-1\right)}{2C_4L_4R_4R_5g_ms^2+2C_4L_4R_4s^2+C_LL_4R_4R_5g_ms^2+C_LL_4R_4s^2+2L_4R_4g_ms+2L_4R_5g_ms+2L_4s+2R_4R_5g_m+2R_4}$$

Parameters:

Q: $\frac{\sqrt{2}R_4\sqrt{\frac{1}{L_4(2C_4+C_L)}}(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}{2(R_4g_m+R_5g_m+1)}$
wo: $\sqrt{2}\sqrt{\frac{1}{L_4(2C_4+C_L)}}$
bandwidth: $\frac{2(R_4g_m+R_5g_m+1)}{R_4(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_4(R_5g_m-1)}{2(R_4g_m+R_5g_m+1)}$
Qz: 0
Wz: None

3.14 BP-14 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4s+\frac{1}{R_4}+\frac{1}{L_4s}},\ R_5,\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{L_4R_4R_Ls\left(R_5g_m-1\right)}{2C_4L_4R_4R_5R_Lg_ms^2+2C_4L_4R_4R_Ls^2+C_LL_4R_4R_5R_Lg_ms^2+C_LL_4R_4R_Ls^2+L_4R_4R_5g_ms+2L_4R_4R_Lg_ms+L_4R_4s+2L_4R_5R_Lg_ms+2L_4R_Ls+2R_4R_5R_Lg_m+2R_4R_L}$$

Parameters:

Q: $\frac{\sqrt{2}R_4R_L\sqrt{\frac{1}{L_4(2C_4+C_L)}}(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}$
wo: $\sqrt{2}\sqrt{\frac{1}{L_4(2C_4+C_L)}}$
bandwidth: $\frac{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}{R_4R_L(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_4R_L(R_5g_m-1)}{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}$
Qz: 0
Wz: None

3.15 BP-15 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4s+\frac{1}{R_4}+\frac{1}{L_4s}},\ R_5,\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{L_4L_LR_4s\left(R_5g_m-1\right)}{2C_4L_4L_LR_4R_5g_ms^2+2C_4L_4L_LR_4s^2+C_LL_4L_LR_4R_5g_ms^2+C_LL_4L_LR_4s^2+2L_4L_LR_4g_ms+2L_4L_LR_5g_ms+2L_4L_Ls+L_4R_4R_5g_m+L_4R_4+2L_LR_4R_5g_m+2L_LR_4}$$

Parameters:

Q: $\frac{R_4\sqrt{\frac{L_4+2L_L}{L_4L_L(2C_4+C_L)}}(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}{2(R_4g_m+R_5g_m+1)}$
wo: $\sqrt{\frac{L_4+2L_L}{L_4L_L(2C_4+C_L)}}$
bandwidth: $\frac{2(R_4g_m+R_5g_m+1)}{R_4(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_4(R_5g_m-1)}{2(R_4g_m+R_5g_m+1)}$
Qz: 0
Wz: None

3.16 BP-16 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4s+\frac{1}{R_4}+\frac{1}{L_4s}},\ R_5,\ \frac{1}{C_Ls+\frac{1}{R_L}+\frac{1}{L_Ls}}\right)$

$$H(s) = \frac{L_4L_LR_4R_Ls\left(R_5g_m-1\right)}{2C_4L_4L_LR_4R_5R_Lg_ms^2+2C_4L_4L_LR_4R_Ls^2+C_LL_4L_LR_4R_5R_Lg_ms^2+C_LL_4L_LR_4R_Ls^2+L_4L_LR_4R_5g_ms+2L_4L_LR_4R_Lg_ms+L_4L_LR_4s+2L_4L_LR_5R_Lg_ms+2L_4L_LR_L$$

Parameters:

Q: $\frac{R_4 R_L \sqrt{\frac{L_4+2L_L}{L_4 L_L (2C_4+C_L)}} (2C_4 R_5 g_m+2C_4+C_L R_5 g_m+C_L)}{R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L}$
wo: $\sqrt{\frac{L_4+2L_L}{L_4 L_L (2C_4+C_L)}}$
bandwidth: $\frac{R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L}{R_4 R_L (2C_4 R_5 g_m+2C_4+C_L R_5 g_m+C_L)}$
K-LP: 0
K-HP: 0
K-BP: $\frac{R_4 R_L (R_5 g_m-1)}{R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L}$
Qz: 0
Wz: None

4 LP

5 BS

5.1 BS-1 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5,\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(R_5 g_m - 1\right) \left(C_L L_L s^2 + 1\right)}{2C_L L_L R_4 g_m s^2 + 2C_L L_L R_5 g_m s^2 + 2C_L L_L s^2 + C_L R_4 R_5 g_m s + C_L R_4 s + 2R_4 g_m + 2R_5 g_m + 2}$$

Parameters:

Q: $\frac{2L_L \sqrt{\frac{1}{C_L L_L}} (R_4 g_m+R_5 g_m+1)}{R_4 (R_5 g_m+1)}$
wo: $\sqrt{\frac{1}{C_L L_L}}$
bandwidth: $\frac{R_4 (R_5 g_m+1)}{2L_L (R_4 g_m+R_5 g_m+1)}$
K-LP: $\frac{R_4 (R_5 g_m-1)}{2(R_4 g_m+R_5 g_m+1)}$
K-HP: $\frac{R_4 (R_5 g_m-1)}{2(R_4 g_m+R_5 g_m+1)}$
K-BP: 0
Qz: None

Wz: $\sqrt{\frac{1}{C_L L_L}}$

5.2 BS-2 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = \frac{R_4 R_L \left(R_5 g_m - 1\right)\left(C_L L_L s^2 + 1\right)}{C_L L_L R_4 R_5 g_m s^2 + 2C_L L_L R_4 R_L g_m s^2 + C_L L_L R_4 s^2 + 2C_L L_L R_5 R_L g_m s^2 + 2C_L L_L R_L s^2 + C_L R_4 R_5 R_L g_m s + C_L R_4 R_L s + R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$$

Parameters:

Q: $\frac{L_L\sqrt{\frac{1}{C_L L_L}}(R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L)}{R_4 R_L(R_5 g_m+1)}$
wo: $\sqrt{\frac{1}{C_L L_L}}$
bandwidth: $\frac{R_4 R_L(R_5 g_m+1)}{L_L(R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L)}$
K-LP: $\frac{R_4 R_L(R_5 g_m-1)}{R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L}$
K-HP: $\frac{R_4 R_L(R_5 g_m-1)}{R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L}$
K-BP: 0
Qz: None
Wz: $\sqrt{\frac{1}{C_L L_L}}$

5.3 BS-3 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5,\ R_L\right)$

$$H(s) = \frac{R_L \left(R_5 g_m - 1\right)\left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 R_5 g_m s^2 + 2C_4 L_4 R_L g_m s^2 + C_4 L_4 s^2 + 2C_4 R_5 R_L g_m s + 2C_4 R_L s + R_5 g_m + 2R_L g_m + 1}$$

Parameters:

Q: $\frac{L_4\sqrt{\frac{1}{C_4 L_4}}(R_5 g_m+2R_L g_m+1)}{2R_L(R_5 g_m+1)}$
wo: $\sqrt{\frac{1}{C_4 L_4}}$
bandwidth: $\frac{2R_L(R_5 g_m+1)}{L_4(R_5 g_m+2R_L g_m+1)}$
K-LP: $\frac{R_L(R_5 g_m-1)}{R_5 g_m+2R_L g_m+1}$
K-HP: $\frac{R_L(R_5 g_m-1)}{R_5 g_m+2R_L g_m+1}$

K-BP: 0
Qz: None
Wz: $\sqrt{\frac{1}{C_4 L_4}}$

5.4 BS-4 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ R_L\right)$

$$H(s) = \frac{R_4 R_L \left(R_5 g_m - 1\right)\left(C_4 L_4 s^2 + 1\right)}{C_4 L_4 R_4 R_5 g_m s^2 + 2C_4 L_4 R_4 R_L g_m s^2 + C_4 L_4 R_4 s^2 + 2C_4 L_4 R_5 R_L g_m s^2 + 2C_4 L_4 R_L s^2 + 2C_4 R_4 R_5 R_L g_m s + 2C_4 R_4 R_L s + R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$$

Parameters:

Q: $\frac{L_4\sqrt{\frac{1}{C_4 L_4}}(R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L)}{2R_4 R_L(R_5 g_m+1)}$
wo: $\sqrt{\frac{1}{C_4 L_4}}$
bandwidth: $\frac{2R_4 R_L(R_5 g_m+1)}{L_4(R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L)}$
K-LP: $\frac{R_4 R_L(R_5 g_m-1)}{R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L}$
K-HP: $\frac{R_4 R_L(R_5 g_m-1)}{R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L}$
K-BP: 0
Qz: None
Wz: $\sqrt{\frac{1}{C_4 L_4}}$

6 GE

6.1 GE-1 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(R_5 g_m - 1\right)\left(C_L L_L s^2 + C_L R_L s + 1\right)}{2C_L L_L R_4 g_m s^2 + 2C_L L_L R_5 g_m s^2 + 2C_L L_L s^2 + C_L R_4 R_5 g_m s + 2C_L R_4 R_L g_m s + C_L R_4 s + 2C_L R_5 R_L g_m s + 2C_L R_L s + 2R_4 g_m + 2R_5 g_m + 2}$$

Parameters:

Q: $\frac{2L_L\sqrt{\frac{1}{C_L L_L}}(R_4 g_m+R_5 g_m+1)}{R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L}$

wo: $\sqrt{\frac{1}{C_L L_L}}$
bandwidth: $\frac{R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L}{2L_L(R_4 g_m+R_5 g_m+1)}$
K-LP: $\frac{R_4(R_5 g_m-1)}{2(R_4 g_m+R_5 g_m+1)}$
K-HP: $\frac{R_4(R_5 g_m-1)}{2(R_4 g_m+R_5 g_m+1)}$
K-BP: $\frac{R_4 R_L(R_5 g_m-1)}{R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L}$
Qz: $\frac{L_L\sqrt{\frac{1}{C_L L_L}}}{R_L}$
Wz: $\sqrt{\frac{1}{C_L L_L}}$

6.2 GE-2 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{R_4\left(R_5 g_m - 1\right)\left(C_L L_L R_L s^2 + L_L s + R_L\right)}{C_L L_L R_4 R_5 g_m s^2 + 2C_L L_L R_4 R_L g_m s^2 + C_L L_L R_4 s^2 + 2C_L L_L R_5 R_L g_m s^2 + 2C_L L_L R_L s^2 + 2L_L R_4 g_m s + 2L_L R_5 g_m s + 2L_L s + R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R$$

Parameters:

Q: $\frac{C_L\sqrt{\frac{1}{C_L L_L}}(R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L)}{2(R_4 g_m+R_5 g_m+1)}$
wo: $\sqrt{\frac{1}{C_L L_L}}$
bandwidth: $\frac{2(R_4 g_m+R_5 g_m+1)}{C_L(R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L)}$
K-LP: $\frac{R_4 R_L(R_5 g_m-1)}{R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L}$
K-HP: $\frac{R_4 R_L(R_5 g_m-1)}{R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L}$
K-BP: $\frac{R_4(R_5 g_m-1)}{2(R_4 g_m+R_5 g_m+1)}$
Qz: $C_L R_L\sqrt{\frac{1}{C_L L_L}}$
Wz: $\sqrt{\frac{1}{C_L L_L}}$

6.3 GE-3 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_4 R_L\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{C_5 L_5 R_4 g_m s^2 + 2C_5 L_5 R_L g_m s^2 + 2C_5 R_4 R_L g_m s + C_5 R_4 s + 2C_5 R_L s + R_4 g_m + 2R_L g_m}$$

Parameters:

Q: $\frac{L_5 g_m \sqrt{\frac{1}{C_5 L_5}}(R_4+2R_L)}{2R_4R_L g_m+R_4+2R_L}$
wo: $\sqrt{\frac{1}{C_5 L_5}}$
bandwidth: $\frac{2R_4R_L g_m+R_4+2R_L}{L_5 g_m(R_4+2R_L)}$
K-LP: $\frac{R_4R_L}{R_4+2R_L}$
K-HP: $\frac{R_4R_L}{R_4+2R_L}$
K-BP: $-\frac{R_4R_L}{2R_4R_L g_m+R_4+2R_L}$
Qz: $-L_5 g_m \sqrt{\frac{1}{C_5 L_5}}$
Wz: $\sqrt{\frac{1}{C_5 L_5}}$

6.4 GE-4 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L\right)$

$$H(s) = \frac{R_4R_L\left(-C_5L_5s^2 + L_5g_ms - 1\right)}{2C_5L_5R_4R_Lg_ms^2 + C_5L_5R_4s^2 + 2C_5L_5R_Ls^2 + L_5R_4g_ms + 2L_5R_Lg_ms + 2R_4R_Lg_m + R_4 + 2R_L}$$

Parameters:

Q: $\frac{C_5\sqrt{\frac{1}{C_5L_5}}(2R_4R_Lg_m+R_4+2R_L)}{g_m(R_4+2R_L)}$
wo: $\sqrt{\frac{1}{C_5L_5}}$
bandwidth: $\frac{g_m(R_4+2R_L)}{C_5(2R_4R_Lg_m+R_4+2R_L)}$
K-LP: $-\frac{R_4R_L}{2R_4R_Lg_m+R_4+2R_L}$
K-HP: $-\frac{R_4R_L}{2R_4R_Lg_m+R_4+2R_L}$
K-BP: $\frac{R_4R_L}{R_4+2R_L}$
Qz: $-\frac{C_5\sqrt{\frac{1}{C_5L_5}}}{g_m}$
Wz: $\sqrt{\frac{1}{C_5L_5}}$

6.5 GE-5 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_4 R_L \left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{C_5 L_5 R_4 g_m s^2 + 2 C_5 L_5 R_L g_m s^2 + C_5 R_4 R_5 g_m s + 2 C_5 R_4 R_L g_m s + C_5 R_4 s + 2 C_5 R_5 R_L g_m s + 2 C_5 R_L s + R_4 g_m + 2 R_L g_m}$$

Parameters:

Q: $\frac{L_5 g_m \sqrt{\frac{1}{C_5 L_5}} (R_4 + 2R_L)}{R_4 R_5 g_m + 2 R_4 R_L g_m + R_4 + 2 R_5 R_L g_m + 2 R_L}$

wo: $\sqrt{\frac{1}{C_5 L_5}}$

bandwidth: $\frac{R_4 R_5 g_m + 2 R_4 R_L g_m + R_4 + 2 R_5 R_L g_m + 2 R_L}{L_5 g_m (R_4 + 2 R_L)}$

K-LP: $\frac{R_4 R_L}{R_4 + 2 R_L}$

K-HP: $\frac{R_4 R_L}{R_4 + 2 R_L}$

K-BP: $\frac{R_4 R_L (R_5 g_m - 1)}{R_4 R_5 g_m + 2 R_4 R_L g_m + R_4 + 2 R_5 R_L g_m + 2 R_L}$

Qz: $\frac{L_5 g_m \sqrt{\frac{1}{C_5 L_5}}}{R_5 g_m - 1}$

Wz: $\sqrt{\frac{1}{C_5 L_5}}$

6.6 GE-6 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L\right)$

$$H(s) = \frac{R_4 R_L \left(-C_5 L_5 R_5 s^2 + L_5 R_5 g_m s - L_5 s - R_5\right)}{2 C_5 L_5 R_4 R_5 R_L g_m s^2 + C_5 L_5 R_4 R_5 s^2 + 2 C_5 L_5 R_5 R_L s^2 + L_5 R_4 R_5 g_m s + 2 L_5 R_4 R_L g_m s + L_5 R_4 s + 2 L_5 R_5 R_L g_m s + 2 L_5 R_L s + 2 R_4 R_5 R_L g_m + R_4 R_5 + 2 R_5 R_L}$$

Parameters:

Q: $\frac{C_5 R_5 \sqrt{\frac{1}{C_5 L_5}} (2 R_4 R_L g_m + R_4 + 2 R_L)}{R_4 R_5 g_m + 2 R_4 R_L g_m + R_4 + 2 R_5 R_L g_m + 2 R_L}$

wo: $\sqrt{\frac{1}{C_5 L_5}}$

bandwidth: $\frac{R_4 R_5 g_m + 2 R_4 R_L g_m + R_4 + 2 R_5 R_L g_m + 2 R_L}{C_5 R_5 (2 R_4 R_L g_m + R_4 + 2 R_L)}$

K-LP: $-\frac{R_4 R_L}{2 R_4 R_L g_m + R_4 + 2 R_L}$

K-HP: $-\frac{R_4 R_L}{2 R_4 R_L g_m + R_4 + 2 R_L}$

K-BP: $\frac{R_4 R_L (R_5 g_m - 1)}{R_4 R_5 g_m + 2 R_4 R_L g_m + R_4 + 2 R_5 R_L g_m + 2 R_L}$

Qz: $-\frac{C_5 R_5 \sqrt{\frac{1}{C_5 L_5}}}{R_5 g_m - 1}$

Wz: $\sqrt{\frac{1}{C_5 L_5}}$

6.7 GE-7 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ R_L\right)$

$$H(s) = \frac{R_4 R_L \left(C_5 L_5 R_5 g_m s^2 - C_5 L_5 s^2 + L_5 g_m s + R_5 g_m - 1\right)}{C_5 L_5 R_4 R_5 g_m s^2 + 2C_5 L_5 R_4 R_L g_m s^2 + C_5 L_5 R_4 s^2 + 2C_5 L_5 R_5 R_L g_m s^2 + 2C_5 L_5 R_L s^2 + L_5 R_4 g_m s + 2L_5 R_L g_m s + R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$$

Parameters:

Q: $\frac{C_5 \sqrt{\frac{1}{C_5 L_5}} (R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L)}{g_m (R_4 + 2R_L)}$

wo: $\sqrt{\frac{1}{C_5 L_5}}$

bandwidth: $\frac{g_m (R_4 + 2R_L)}{C_5 (R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L)}$

K-LP: $\frac{R_4 R_L (R_5 g_m - 1)}{R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$

K-HP: $\frac{R_4 R_L (R_5 g_m - 1)}{R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$

K-BP: $\frac{R_4 R_L}{R_4 + 2R_L}$

Qz: $\frac{C_5 \sqrt{\frac{1}{C_5 L_5}} (R_5 g_m - 1)}{g_m}$

Wz: $\sqrt{\frac{1}{C_5 L_5}}$

6.8 GE-8 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5 \left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ R_L\right)$

$$H(s) = \frac{R_4 R_L \left(C_5 L_5 R_5 g_m s^2 - C_5 L_5 s^2 - C_5 R_5 s + R_5 g_m - 1\right)}{C_5 L_5 R_4 R_5 g_m s^2 + 2C_5 L_5 R_4 R_L g_m s^2 + C_5 L_5 R_4 s^2 + 2C_5 L_5 R_5 R_L g_m s^2 + 2C_5 L_5 R_L s^2 + 2C_5 R_4 R_5 R_L g_m s + C_5 R_4 R_5 s + 2C_5 R_5 R_L s + R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m}$$

Parameters:

Q: $\frac{L_5 \sqrt{\frac{1}{C_5 L_5}} (R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L)}{R_5 (2R_4 R_L g_m + R_4 + 2R_L)}$

wo: $\sqrt{\frac{1}{C_5 L_5}}$

bandwidth: $\frac{R_5 (2R_4 R_L g_m + R_4 + 2R_L)}{L_5 (R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L)}$

K-LP: $\frac{R_4 R_L (R_5 g_m - 1)}{R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$

K-HP: $\frac{R_4 R_L (R_5 g_m - 1)}{R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$
K-BP: $-\frac{R_4 R_L}{2R_4 R_L g_m + R_4 + 2R_L}$
Qz: $\frac{L_5 \sqrt{\frac{1}{C_5 L_5}} (-R_5 g_m + 1)}{R_5}$
Wz: $\sqrt{\frac{1}{C_5 L_5}}$

6.9 GE-9 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5,\ R_L\right)$

$$H(s) = \frac{R_L \left(R_5 g_m - 1\right) \left(C_4 L_4 s^2 + C_4 R_4 s + 1\right)}{C_4 L_4 R_5 g_m s^2 + 2C_4 L_4 R_L g_m s^2 + C_4 L_4 s^2 + C_4 R_4 R_5 g_m s + 2C_4 R_4 R_L g_m s + C_4 R_4 s + 2C_4 R_5 R_L g_m s + 2C_4 R_L s + R_5 g_m + 2R_L g_m + 1}$$

Parameters:

Q: $\frac{L_4 \sqrt{\frac{1}{C_4 L_4}} (R_5 g_m + 2R_L g_m + 1)}{R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$
wo: $\sqrt{\frac{1}{C_4 L_4}}$
bandwidth: $\frac{R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}{L_4 (R_5 g_m + 2R_L g_m + 1)}$
K-LP: $\frac{R_L (R_5 g_m - 1)}{R_5 g_m + 2R_L g_m + 1}$
K-HP: $\frac{R_L (R_5 g_m - 1)}{R_5 g_m + 2R_L g_m + 1}$
K-BP: $\frac{R_4 R_L (R_5 g_m - 1)}{R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$
Qz: $\frac{L_4 \sqrt{\frac{1}{C_4 L_4}}}{R_4}$
Wz: $\sqrt{\frac{1}{C_4 L_4}}$

6.10 GE-10 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1} + R_4,\ R_5,\ R_L\right)$

$$H(s) = \frac{R_L \left(R_5 g_m - 1\right) \left(C_4 L_4 R_4 s^2 + L_4 s + R_4\right)}{C_4 L_4 R_4 R_5 g_m s^2 + 2C_4 L_4 R_4 R_L g_m s^2 + C_4 L_4 R_4 s^2 + 2C_4 L_4 R_5 R_L g_m s^2 + 2C_4 L_4 R_L s^2 + L_4 R_5 g_m s + 2L_4 R_L g_m s + L_4 s + R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$$

Parameters:

Q: $\frac{C_4 \sqrt{\frac{1}{C_4 L_4}} (R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L)}{R_5 g_m + 2R_L g_m + 1}$

wo: $\sqrt{\frac{1}{C_4 L_4}}$
bandwidth: $\frac{R_5 g_m + 2R_L g_m + 1}{C_4(R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L)}$
K-LP: $\frac{R_4 R_L (R_5 g_m - 1)}{R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$
K-HP: $\frac{R_4 R_L (R_5 g_m - 1)}{R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$
K-BP: $\frac{R_L (R_5 g_m - 1)}{R_5 g_m + 2R_L g_m + 1}$
Qz: $C_4 R_4 \sqrt{\frac{1}{C_4 L_4}}$
Wz: $\sqrt{\frac{1}{C_4 L_4}}$

7 AP

8 INVALID-NUMER

8.1 INVALID-NUMER-1 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(-C_5 s + g_m\right)}{C_5 C_L R_4 s^2 + 2C_5 R_4 g_m s + 2C_5 s + C_L R_4 g_m s + 2g_m}$$

Parameters:

Q: $\frac{\sqrt{2} C_5 C_L R_4 \sqrt{\frac{g_m}{C_5 C_L R_4}}}{2C_5 R_4 g_m + 2C_5 + C_L R_4 g_m}$
wo: $\sqrt{2}\sqrt{\frac{g_m}{C_5 C_L R_4}}$
bandwidth: $\frac{2C_5 R_4 g_m + 2C_5 + C_L R_4 g_m}{C_5 C_L R_4}$
K-LP: $\frac{R_4}{2}$
K-HP: 0
K-BP: $-\frac{C_5 R_4}{2C_5 R_4 g_m + 2C_5 + C_L R_4 g_m}$
Qz: 0
Wz: None

8.2 INVALID-NUMER-2 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_4 R_L \left(-C_5 s + g_m\right)}{C_5 C_L R_4 R_L s^2 + 2C_5 R_4 R_L g_m s + C_5 R_4 s + 2C_5 R_L s + C_L R_4 R_L g_m s + R_4 g_m + 2R_L g_m}$$

Parameters:

Q: $\frac{C_5 C_L R_4 R_L \sqrt{\frac{g_m (R_4+2R_L)}{C_5 C_L R_4 R_L}}}{2C_5 R_4 R_L g_m + C_5 R_4 + 2C_5 R_L + C_L R_4 R_L g_m}$
wo: $\sqrt{\frac{g_m (R_4+2R_L)}{C_5 C_L R_4 R_L}}$
bandwidth: $\frac{2C_5 R_4 R_L g_m + C_5 R_4 + 2C_5 R_L + C_L R_4 R_L g_m}{C_5 C_L R_4 R_L}$
K-LP: $\frac{R_4 R_L}{R_4+2R_L}$
K-HP: 0
K-BP: $-\frac{C_5 R_4 R_L}{2C_5 R_4 R_L g_m + C_5 R_4 + 2C_5 R_L + C_L R_4 R_L g_m}$
Qz: 0
Wz: None

8.3 INVALID-NUMER-3 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(-C_5 R_5 s + R_5 g_m - 1\right)}{C_5 C_L R_4 R_5 s^2 + 2C_5 R_4 R_5 g_m s + 2C_5 R_5 s + C_L R_4 R_5 g_m s + C_L R_4 s + 2R_4 g_m + 2R_5 g_m + 2}$$

Parameters:

Q: $\frac{\sqrt{2} C_5 C_L R_4 R_5 \sqrt{\frac{R_4 g_m + R_5 g_m + 1}{C_5 C_L R_4 R_5}}}{2C_5 R_4 R_5 g_m + 2C_5 R_5 + C_L R_4 R_5 g_m + C_L R_4}$
wo: $\sqrt{2}\sqrt{\frac{R_4 g_m + R_5 g_m + 1}{C_5 C_L R_4 R_5}}$
bandwidth: $\frac{2C_5 R_4 R_5 g_m + 2C_5 R_5 + C_L R_4 R_5 g_m + C_L R_4}{C_5 C_L R_4 R_5}$
K-LP: $\frac{R_4 (R_5 g_m - 1)}{2(R_4 g_m + R_5 g_m + 1)}$
K-HP: 0
K-BP: $-\frac{C_5 R_4 R_5}{2C_5 R_4 R_5 g_m + 2C_5 R_5 + C_L R_4 R_5 g_m + C_L R_4}$
Qz: 0
Wz: None

8.4 INVALID-NUMER-4 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5}{C_5R_5s+1},\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{R_4R_L\left(-C_5R_5s + R_5g_m - 1\right)}{C_5C_LR_4R_5R_Ls^2 + 2C_5R_4R_5R_Lg_ms + C_5R_4R_5s + 2C_5R_5R_Ls + C_LR_4R_5R_Lg_ms + C_LR_4R_Ls + R_4R_5g_m + 2R_4R_Lg_m + R_4 + 2R_5R_Lg_m + 2R_L}$$

Parameters:

Q: $\frac{C_5C_LR_4R_5R_L\sqrt{\frac{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}{C_5C_LR_4R_5R_L}}}{2C_5R_4R_5R_Lg_m+C_5R_4R_5+2C_5R_5R_L+C_LR_4R_5R_Lg_m+C_LR_4R_L}$

wo: $\sqrt{\frac{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}{C_5C_LR_4R_5R_L}}$

bandwidth: $\frac{2C_5R_4R_5R_Lg_m+C_5R_4R_5+2C_5R_5R_L+C_LR_4R_5R_Lg_m+C_LR_4R_L}{C_5C_LR_4R_5R_L}$

K-LP: $\frac{R_4R_L(R_5g_m-1)}{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}$

K-HP: 0

K-BP: $-\frac{C_5R_4R_5R_L}{2C_5R_4R_5R_Lg_m+C_5R_4R_5+2C_5R_5R_L+C_LR_4R_5R_Lg_m+C_LR_4R_L}$

Qz: 0

Wz: None

8.5 INVALID-NUMER-5 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5 + \frac{1}{C_5s},\ \frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(C_5R_5g_ms - C_5s + g_m\right)}{C_5C_LR_4R_5g_ms^2 + C_5C_LR_4s^2 + 2C_5R_4g_ms + 2C_5R_5g_ms + 2C_5s + C_LR_4g_ms + 2g_m}$$

Parameters:

Q: $\frac{\sqrt{2}C_5C_LR_4\sqrt{\frac{g_m}{C_5C_LR_4(R_5g_m+1)}}(R_5g_m+1)}{2C_5R_4g_m+2C_5R_5g_m+2C_5+C_LR_4g_m}$

wo: $\sqrt{2}\sqrt{\frac{g_m}{C_5C_LR_4(R_5g_m+1)}}$

bandwidth: $\frac{2C_5R_4g_m+2C_5R_5g_m+2C_5+C_LR_4g_m}{C_5C_LR_4(R_5g_m+1)}$

K-LP: $\frac{R_4}{2}$

K-HP: 0

K-BP: $\frac{C_5R_4(R_5g_m-1)}{2C_5R_4g_m+2C_5R_5g_m+2C_5+C_LR_4g_m}$

Qz: 0

Wz: None

8.6 INVALID-NUMER-6 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_4 R_L \left(C_5 R_5 g_m s - C_5 s + g_m\right)}{C_5 C_L R_4 R_5 R_L g_m s^2 + C_5 C_L R_4 R_L s^2 + C_5 R_4 R_5 g_m s + 2C_5 R_4 R_L g_m s + C_5 R_4 s + 2C_5 R_5 R_L g_m s + 2C_5 R_L s + C_L R_4 R_L g_m s + R_4 g_m + 2R_L g_m}$$

Parameters:

Q: $\frac{C_5 C_L R_4 R_L \sqrt{\frac{g_m(R_4+2R_L)}{C_5 C_L R_4 R_L(R_5 g_m+1)}}(R_5 g_m+1)}{C_5 R_4 R_5 g_m+2C_5 R_4 R_L g_m+C_5 R_4+2C_5 R_5 R_L g_m+2C_5 R_L+C_L R_4 R_L g_m}$
wo: $\sqrt{\frac{g_m(R_4+2R_L)}{C_5 C_L R_4 R_L(R_5 g_m+1)}}$
bandwidth: $\frac{C_5 R_4 R_5 g_m+2C_5 R_4 R_L g_m+C_5 R_4+2C_5 R_5 R_L g_m+2C_5 R_L+C_L R_4 R_L g_m}{C_5 C_L R_4 R_L(R_5 g_m+1)}$
K-LP: $\frac{R_4 R_L}{R_4+2R_L}$
K-HP: 0
K-BP: $\frac{C_5 R_4 R_L(R_5 g_m-1)}{C_5 R_4 R_5 g_m+2C_5 R_4 R_L g_m+C_5 R_4+2C_5 R_5 R_L g_m+2C_5 R_L+C_L R_4 R_L g_m}$
Qz: 0
Wz: None

8.7 INVALID-NUMER-7 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5,\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(R_5 g_m - 1\right)\left(C_L R_L s + 1\right)}{2C_4 C_L R_5 R_L g_m s^2 + 2C_4 C_L R_L s^2 + 2C_4 R_5 g_m s + 2C_4 s + C_L R_5 g_m s + 2C_L R_L g_m s + C_L s + 2g_m}$$

Parameters:

Q: $\frac{2C_4 C_L R_L \sqrt{\frac{g_m}{C_4 C_L R_L(R_5 g_m+1)}}(R_5 g_m+1)}{2C_4 R_5 g_m+2C_4+C_L R_5 g_m+2C_L R_L g_m+C_L}$
wo: $\sqrt{\frac{g_m}{C_4 C_L R_L(R_5 g_m+1)}}$
bandwidth: $\frac{2C_4 R_5 g_m+2C_4+C_L R_5 g_m+2C_L R_L g_m+C_L}{2C_4 C_L R_L(R_5 g_m+1)}$
K-LP: $\frac{R_5 g_m-1}{2g_m}$
K-HP: 0
K-BP: $\frac{C_L R_L(R_5 g_m-1)}{2C_4 R_5 g_m+2C_4+C_L R_5 g_m+2C_L R_L g_m+C_L}$
Qz: 0
Wz: None

8.8 INVALID-NUMER-8 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(-C_5 s + g_m\right)}{2C_4C_5R_Ls^2 + 2C_4R_Lg_ms + 2C_5R_Lg_ms + C_5s + g_m}$$

Parameters:

Q: $\frac{\sqrt{2}C_4C_5R_L\sqrt{\frac{g_m}{C_4C_5R_L}}}{2C_4R_Lg_m+2C_5R_Lg_m+C_5}$
wo: $\frac{\sqrt{2}\sqrt{\frac{g_m}{C_4C_5R_L}}}{2}$
bandwidth: $\frac{2C_4R_Lg_m+2C_5R_Lg_m+C_5}{2C_4C_5R_L}$
K-LP: R_L
K-HP: 0
K-BP: $-\frac{C_5R_L}{2C_4R_Lg_m+2C_5R_Lg_m+C_5}$
Qz: 0
Wz: None

8.9 INVALID-NUMER-9 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{R_L\left(-C_5 s + g_m\right)}{2C_4C_5R_Ls^2 + 2C_4R_Lg_ms + C_5C_LR_Ls^2 + 2C_5R_Lg_ms + C_5s + C_LR_Lg_ms + g_m}$$

Parameters:

Q: $\frac{C_5R_L\sqrt{\frac{g_m}{C_5R_L(2C_4+C_L)}}(2C_4+C_L)}{2C_4R_Lg_m+2C_5R_Lg_m+C_5+C_LR_Lg_m}$
wo: $\sqrt{\frac{g_m}{C_5R_L(2C_4+C_L)}}$
bandwidth: $\frac{2C_4R_Lg_m+2C_5R_Lg_m+C_5+C_LR_Lg_m}{C_5R_L(2C_4+C_L)}$
K-LP: R_L
K-HP: 0
K-BP: $-\frac{C_5R_L}{2C_4R_Lg_m+2C_5R_Lg_m+C_5+C_LR_Lg_m}$
Qz: 0
Wz: None

8.10 INVALID-NUMER-10 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ R_L\right)$

$$H(s) = \frac{R_L\left(-C_5 R_5 s + R_5 g_m - 1\right)}{2C_4 C_5 R_5 R_L s^2 + 2C_4 R_5 R_L g_m s + 2C_4 R_L s + 2C_5 R_5 R_L g_m s + C_5 R_5 s + R_5 g_m + 2R_L g_m + 1}$$

Parameters:

Q: $\frac{\sqrt{2}C_4 C_5 R_5 R_L \sqrt{\frac{R_5 g_m + 2R_L g_m + 1}{C_4 C_5 R_5 R_L}}}{2C_4 R_5 R_L g_m + 2C_4 R_L + 2C_5 R_5 R_L g_m + C_5 R_5}$
wo: $\frac{\sqrt{2}\sqrt{\frac{R_5 g_m + 2R_L g_m + 1}{C_4 C_5 R_5 R_L}}}{2}$
bandwidth: $\frac{2C_4 R_5 R_L g_m + 2C_4 R_L + 2C_5 R_5 R_L g_m + C_5 R_5}{2C_4 C_5 R_5 R_L}$
K-LP: $\frac{R_L(R_5 g_m - 1)}{R_5 g_m + 2R_L g_m + 1}$
K-HP: 0
K-BP: $-\frac{C_5 R_5 R_L}{2C_4 R_5 R_L g_m + 2C_4 R_L + 2C_5 R_5 R_L g_m + C_5 R_5}$
Qz: 0
Wz: None

8.11 INVALID-NUMER-11 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{-C_5 R_5 s + R_5 g_m - 1}{2C_4 C_5 R_5 s^2 + 2C_4 R_5 g_m s + 2C_4 s + C_5 C_L R_5 s^2 + 2C_5 R_5 g_m s + C_L R_5 g_m s + C_L s + 2g_m}$$

Parameters:

Q: $\frac{\sqrt{2}C_5 R_5 \sqrt{\frac{g_m}{C_5 R_5 (2C_4 + C_L)}}(2C_4 + C_L)}{2C_4 R_5 g_m + 2C_4 + 2C_5 R_5 g_m + C_L R_5 g_m + C_L}$
wo: $\sqrt{2}\sqrt{\frac{g_m}{C_5 R_5 (2C_4 + C_L)}}$
bandwidth: $\frac{2C_4 R_5 g_m + 2C_4 + 2C_5 R_5 g_m + C_L R_5 g_m + C_L}{C_5 R_5 (2C_4 + C_L)}$
K-LP: $\frac{R_5 g_m - 1}{2g_m}$
K-HP: 0
K-BP: $-\frac{C_5 R_5}{2C_4 R_5 g_m + 2C_4 + 2C_5 R_5 g_m + C_L R_5 g_m + C_L}$
Qz: 0
Wz: None

8.12 INVALID-NUMER-12 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_L\left(-C_5 R_5 s + R_5 g_m - 1\right)}{2C_4 C_5 R_5 R_L s^2 + 2C_4 R_5 R_L g_m s + 2C_4 R_L s + C_5 C_L R_5 R_L s^2 + 2C_5 R_5 R_L g_m s + C_5 R_5 s + C_L R_5 R_L g_m s + C_L R_L s + R_5 g_m + 2R_L g_m + 1}$$

Parameters:

Q: $\frac{C_5 R_5 R_L \sqrt{\frac{R_5 g_m + 2R_L g_m + 1}{C_5 R_5 R_L (2C_4 + C_L)}} (2C_4 + C_L)}{2C_4 R_5 R_L g_m + 2C_4 R_L + 2C_5 R_5 R_L g_m + C_5 R_5 + C_L R_5 R_L g_m + C_L R_L}$

wo: $\sqrt{\frac{R_5 g_m + 2R_L g_m + 1}{C_5 R_5 R_L (2C_4 + C_L)}}$

bandwidth: $\frac{2C_4 R_5 R_L g_m + 2C_4 R_L + 2C_5 R_5 R_L g_m + C_5 R_5 + C_L R_5 R_L g_m + C_L R_L}{C_5 R_5 R_L (2C_4 + C_L)}$

K-LP: $\frac{R_L (R_5 g_m - 1)}{R_5 g_m + 2R_L g_m + 1}$

K-HP: 0

K-BP: $-\frac{C_5 R_5 R_L}{2C_4 R_5 R_L g_m + 2C_4 R_L + 2C_5 R_5 R_L g_m + C_5 R_5 + C_L R_5 R_L g_m + C_L R_L}$

Qz: 0

Wz: None

8.13 INVALID-NUMER-13 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4 C_5 R_5 R_L g_m s^2 + 2C_4 C_5 R_L s^2 + 2C_4 R_L g_m s + C_5 R_5 g_m s + 2C_5 R_L g_m s + C_5 s + g_m}$$

Parameters:

Q: $\frac{\sqrt{2} C_4 C_5 R_L \sqrt{\frac{g_m}{C_4 C_5 R_L (R_5 g_m + 1)}} (R_5 g_m + 1)}{2C_4 R_L g_m + C_5 R_5 g_m + 2C_5 R_L g_m + C_5}$

wo: $\frac{\sqrt{2}\sqrt{\frac{g_m}{C_4 C_5 R_L (R_5 g_m + 1)}}}{2}$

bandwidth: $\frac{2C_4 R_L g_m + C_5 R_5 g_m + 2C_5 R_L g_m + C_5}{2C_4 C_5 R_L (R_5 g_m + 1)}$

K-LP: R_L

K-HP: 0

K-BP: $\frac{C_5 R_L (R_5 g_m - 1)}{2C_4 R_L g_m + C_5 R_5 g_m + 2C_5 R_L g_m + C_5}$

Qz: 0

Wz: None

8.14 INVALID-NUMER-14 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_L\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5R_5R_Lg_ms^2 + 2C_4C_5R_Ls^2 + 2C_4R_Lg_ms + C_5C_LR_5R_Lg_ms^2 + C_5C_LR_Ls^2 + C_5R_5g_ms + 2C_5R_Lg_ms + C_5s + C_LR_Lg_ms + g_m}$$

Parameters:

Q: $\frac{C_5R_L\sqrt{\frac{g_m}{C_5R_L(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}}(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}{2C_4R_Lg_m+C_5R_5g_m+2C_5R_Lg_m+C_5+C_LR_Lg_m}$

wo: $\sqrt{\frac{g_m}{C_5R_L(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}}$

bandwidth: $\frac{2C_4R_Lg_m+C_5R_5g_m+2C_5R_Lg_m+C_5+C_LR_Lg_m}{C_5R_L(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}$

K-LP: R_L

K-HP: 0

K-BP: $\frac{C_5R_L(R_5g_m-1)}{2C_4R_Lg_m+C_5R_5g_m+2C_5R_Lg_m+C_5+C_LR_Lg_m}$

Qz: 0

Wz: None

8.15 INVALID-NUMER-15 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5,\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(R_5g_m - 1\right)\left(C_LR_Ls + 1\right)}{2C_4C_LR_4R_5R_Lg_ms^2 + 2C_4C_LR_4R_Ls^2 + 2C_4R_4R_5g_ms + 2C_4R_4s + C_LR_4R_5g_ms + 2C_LR_4R_Lg_ms + C_LR_4s + 2C_LR_5R_Lg_ms + 2C_LR_Ls + 2R_4g_m + 2R_5g_m + 2}$$

Parameters:

Q: $\frac{2C_4C_LR_4R_L\sqrt{\frac{R_4g_m+R_5g_m+1}{C_4C_LR_4R_L(R_5g_m+1)}}(R_5g_m+1)}{2C_4R_4R_5g_m+2C_4R_4+C_LR_4R_5g_m+2C_LR_4R_Lg_m+C_LR_4+2C_LR_5R_Lg_m+2C_LR_L}$

wo: $\sqrt{\frac{R_4g_m+R_5g_m+1}{C_4C_LR_4R_L(R_5g_m+1)}}$

bandwidth: $\frac{2C_4R_4R_5g_m+2C_4R_4+C_LR_4R_5g_m+2C_LR_4R_Lg_m+C_LR_4+2C_LR_5R_Lg_m+2C_LR_L}{2C_4C_LR_4R_L(R_5g_m+1)}$

K-LP: $\frac{R_4(R_5g_m-1)}{2(R_4g_m+R_5g_m+1)}$

K-HP: 0

K-BP: $\frac{C_LR_4R_L(R_5g_m-1)}{2C_4R_4R_5g_m+2C_4R_4+C_LR_4R_5g_m+2C_LR_4R_Lg_m+C_LR_4+2C_LR_5R_Lg_m+2C_LR_L}$

Qz: 0

Wz: None

8.16 INVALID-NUMER-16 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ R_L\right)$

$$H(s) = \frac{R_4R_L\left(-C_5s+g_m\right)}{2C_4C_5R_4R_Ls^2+2C_4R_4R_Lg_ms+2C_5R_4R_Lg_ms+C_5R_4s+2C_5R_Ls+R_4g_m+2R_Lg_m}$$

Parameters:

Q: $\frac{\sqrt{2}C_4C_5R_4R_L\sqrt{\frac{g_m\left(R_4+2R_L\right)}{C_4C_5R_4R_L}}}{2C_4R_4R_Lg_m+2C_5R_4R_Lg_m+C_5R_4+2C_5R_L}$

wo: $\frac{\sqrt{2}\sqrt{\frac{g_m\left(R_4+2R_L\right)}{C_4C_5R_4R_L}}}{2}$

bandwidth: $\frac{2C_4R_4R_Lg_m+2C_5R_4R_Lg_m+C_5R_4+2C_5R_L}{2C_4C_5R_4R_L}$

K-LP: $\frac{R_4R_L}{R_4+2R_L}$

K-HP: 0

K-BP: $-\frac{C_5R_4R_L}{2C_4R_4R_Lg_m+2C_5R_4R_Lg_m+C_5R_4+2C_5R_L}$

Qz: 0

Wz: None

8.17 INVALID-NUMER-17 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ \frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(-C_5s+g_m\right)}{2C_4C_5R_4s^2+2C_4R_4g_ms+C_5C_LR_4s^2+2C_5R_4g_ms+2C_5s+C_LR_4g_ms+2g_m}$$

Parameters:

Q: $\frac{\sqrt{2}C_5R_4\sqrt{\frac{g_m}{C_5R_4\left(2C_4+C_L\right)}}\left(2C_4+C_L\right)}{2C_4R_4g_m+2C_5R_4g_m+2C_5+C_LR_4g_m}$

wo: $\sqrt{2}\sqrt{\frac{g_m}{C_5R_4(2C_4+C_L)}}$

bandwidth: $\frac{2C_4R_4g_m+2C_5R_4g_m+2C_5+C_LR_4g_m}{C_5R_4(2C_4+C_L)}$

K-LP: $\frac{R_4}{2}$

K-HP: 0

K-BP: $-\frac{C_5R_4}{2C_4R_4g_m+2C_5R_4g_m+2C_5+C_LR_4g_m}$

Qz: 0

Wz: None

8.18 INVALID-NUMER-18 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{R_4R_L\left(-C_5s + g_m\right)}{2C_4C_5R_4R_Ls^2 + 2C_4R_4R_Lg_ms + C_5C_LR_4R_Ls^2 + 2C_5R_4R_Lg_ms + C_5R_4s + 2C_5R_Ls + C_LR_4R_Lg_ms + R_4g_m + 2R_Lg_m}$$

Parameters:

Q: $\frac{C_5R_4R_L\sqrt{\frac{g_m\left(R_4+2R_L\right)}{C_5R_4R_L\left(2C_4+C_L\right)}}\left(2C_4+C_L\right)}{2C_4R_4R_Lg_m+2C_5R_4R_Lg_m+C_5R_4+2C_5R_L+C_LR_4R_Lg_m}$

wo: $\sqrt{\frac{g_m\left(R_4+2R_L\right)}{C_5R_4R_L\left(2C_4+C_L\right)}}$

bandwidth: $\frac{2C_4R_4R_Lg_m+2C_5R_4R_Lg_m+C_5R_4+2C_5R_L+C_LR_4R_Lg_m}{C_5R_4R_L\left(2C_4+C_L\right)}$

K-LP: $\frac{R_4R_L}{R_4+2R_L}$

K-HP: 0

K-BP: $-\frac{C_5R_4R_L}{2C_4R_4R_Lg_m+2C_5R_4R_Lg_m+C_5R_4+2C_5R_L+C_LR_4R_Lg_m}$

Qz: 0

Wz: None

8.19 INVALID-NUMER-19 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ R_L\right)$

$$H(s) = \frac{R_4R_L\left(-C_5R_5s + R_5g_m - 1\right)}{2C_4C_5R_4R_5R_Ls^2 + 2C_4R_4R_5R_Lg_ms + 2C_4R_4R_Ls + 2C_5R_4R_5R_Lg_ms + C_5R_4R_5s + 2C_5R_5R_Ls + R_4R_5g_m + 2R_4R_Lg_m + R_4 + 2R_5R_Lg_m + 2R_L}$$

Parameters:

Q: $\frac{\sqrt{2}C_4C_5R_4R_5R_L\sqrt{\frac{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}{C_4C_5R_4R_5R_L}}}{2C_4R_4R_5R_Lg_m+2C_4R_4R_L+2C_5R_4R_5R_Lg_m+C_5R_4R_5+2C_5R_5R_L}$

wo: $\sqrt{\frac{\frac{R_4R_5g_m}{2}+R_4R_Lg_m+\frac{R_4}{2}+R_5R_Lg_m+R_L}{C_4C_5R_4R_5R_L}}$

bandwidth: $\frac{\sqrt{2}\sqrt{\frac{\frac{R_4R_5g_m}{2}+R_4R_Lg_m+\frac{R_4}{2}+R_5R_Lg_m+R_L}{C_4C_5R_4R_5R_L}}\left(2C_4R_4R_5R_Lg_m+2C_4R_4R_L+2C_5R_4R_5R_Lg_m+C_5R_4R_5+2C_5R_5R_L\right)}{2C_4C_5R_4R_5R_L\sqrt{\frac{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}{C_4C_5R_4R_5R_L}}}$

K-LP: $\frac{R_4R_L\left(R_5g_m-1\right)}{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}$

K-HP: 0

K-BP: $-\frac{C_5R_4R_5R_L}{2C_4R_4R_5R_Lg_m+2C_4R_4R_L+2C_5R_4R_5R_Lg_m+C_5R_4R_5+2C_5R_5R_L}$

Qz: 0

Wz: None

8.20 INVALID-NUMER-20 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(-C_5 R_5 s + R_5 g_m - 1\right)}{2C_4 C_5 R_4 R_5 s^2 + 2C_4 R_4 R_5 g_m s + 2C_4 R_4 s + C_5 C_L R_4 R_5 s^2 + 2C_5 R_4 R_5 g_m s + 2C_5 R_5 s + C_L R_4 R_5 g_m s + C_L R_4 s + 2R_4 g_m + 2R_5 g_m + 2}$$

Parameters:

Q: $\frac{\sqrt{2} C_5 R_4 R_5 \sqrt{\frac{R_4 g_m + R_5 g_m + 1}{C_5 R_4 R_5 (2C_4 + C_L)}} (2C_4 + C_L)}{2C_4 R_4 R_5 g_m + 2C_4 R_4 + 2C_5 R_4 R_5 g_m + 2C_5 R_5 + C_L R_4 R_5 g_m + C_L R_4}$

wo: $\sqrt{2}\sqrt{\frac{R_4 g_m + R_5 g_m + 1}{C_5 R_4 R_5 (2C_4 + C_L)}}$

bandwidth: $\frac{2C_4 R_4 R_5 g_m + 2C_4 R_4 + 2C_5 R_4 R_5 g_m + 2C_5 R_5 + C_L R_4 R_5 g_m + C_L R_4}{C_5 R_4 R_5 (2C_4 + C_L)}$

K-LP: $\frac{R_4 (R_5 g_m - 1)}{2(R_4 g_m + R_5 g_m + 1)}$

K-HP: 0

K-BP: $-\frac{C_5 R_4 R_5}{2C_4 R_4 R_5 g_m + 2C_4 R_4 + 2C_5 R_4 R_5 g_m + 2C_5 R_5 + C_L R_4 R_5 g_m + C_L R_4}$

Qz: 0

Wz: None

8.21 INVALID-NUMER-21 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_4 R_L\left(-C_5 R_5 s + R_5 g_m - 1\right)}{2C_4 C_5 R_4 R_5 R_L s^2 + 2C_4 R_4 R_5 R_L g_m s + 2C_4 R_4 R_L s + C_5 C_L R_4 R_5 R_L s^2 + 2C_5 R_4 R_5 R_L g_m s + C_5 R_4 R_5 s + 2C_5 R_5 R_L s + C_L R_4 R_5 R_L g_m s + C_L R_4 R_L s + R_4 R_5 g_m + 2R_4 R_L g_m}$$

Parameters:

Q: $\frac{C_5 R_4 R_5 R_L \sqrt{\frac{R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}{C_5 R_4 R_5 R_L (2C_4 + C_L)}} (2C_4 + C_L)}{2C_4 R_4 R_5 R_L g_m + 2C_4 R_4 R_L + 2C_5 R_4 R_5 R_L g_m + C_5 R_4 R_5 + 2C_5 R_5 R_L + C_L R_4 R_5 R_L g_m + C_L R_4 R_L}$

wo: $\sqrt{\frac{R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}{C_5 R_4 R_5 R_L (2C_4 + C_L)}}$

bandwidth: $\frac{2C_4 R_4 R_5 R_L g_m + 2C_4 R_4 R_L + 2C_5 R_4 R_5 R_L g_m + C_5 R_4 R_5 + 2C_5 R_5 R_L + C_L R_4 R_5 R_L g_m + C_L R_4 R_L}{C_5 R_4 R_5 R_L (2C_4 + C_L)}$

K-LP: $\frac{R_4 R_L (R_5 g_m - 1)}{R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$

K-HP: 0

K-BP: $-\frac{C_5 R_4 R_5 R_L}{2C_4 R_4 R_5 R_L g_m + 2C_4 R_4 R_L + 2C_5 R_4 R_5 R_L g_m + C_5 R_4 R_5 + 2C_5 R_5 R_L + C_L R_4 R_5 R_L g_m + C_L R_4 R_L}$

Qz: 0

Wz: None

8.22 INVALID-NUMER-22 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_4 R_L \left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5R_4R_5R_Lg_ms^2 + 2C_4C_5R_4R_Ls^2 + 2C_4R_4R_Lg_ms + C_5R_4R_5g_ms + 2C_5R_4R_Lg_ms + C_5R_4s + 2C_5R_5R_Lg_ms + 2C_5R_Ls + R_4g_m + 2R_Lg_m}$$

Parameters:

Q: $\frac{\sqrt{2}C_4C_5R_4R_L\sqrt{\frac{g_m\left(R_4+2R_L\right)}{C_4C_5R_4R_L\left(R_5g_m+1\right)}}\left(R_5g_m+1\right)}{2C_4R_4R_Lg_m+C_5R_4R_5g_m+2C_5R_4R_Lg_m+C_5R_4+2C_5R_5R_Lg_m+2C_5R_L}$

wo: $\frac{\sqrt{2}\sqrt{\frac{g_m\left(R_4+2R_L\right)}{C_4C_5R_4R_L\left(R_5g_m+1\right)}}}{2}$

bandwidth: $\frac{2C_4R_4R_Lg_m+C_5R_4R_5g_m+2C_5R_4R_Lg_m+C_5R_4+2C_5R_5R_Lg_m+2C_5R_L}{2C_4C_5R_4R_L\left(R_5g_m+1\right)}$

K-LP: $\frac{R_4R_L}{R_4+2R_L}$

K-HP: 0

K-BP: $\frac{C_5R_4R_L\left(R_5g_m-1\right)}{2C_4R_4R_Lg_m+C_5R_4R_5g_m+2C_5R_4R_Lg_m+C_5R_4+2C_5R_5R_Lg_m+2C_5R_L}$

Qz: 0

Wz: None

8.23 INVALID-NUMER-23 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_4s^2 + 2C_4R_4g_ms + C_5C_LR_4R_5g_ms^2 + C_5C_LR_4s^2 + 2C_5R_4g_ms + 2C_5R_5g_ms + 2C_5s + C_LR_4g_ms + 2g_m}$$

Parameters:

Q: $\frac{\sqrt{2}C_5R_4\sqrt{\frac{g_m}{C_5R_4\left(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L\right)}}\left(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L\right)}{2C_4R_4g_m+2C_5R_4g_m+2C_5R_5g_m+2C_5+C_LR_4g_m}$

wo: $\sqrt{2}\sqrt{\frac{g_m}{C_5R_4\left(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L\right)}}$

bandwidth: $\frac{2C_4R_4g_m+2C_5R_4g_m+2C_5R_5g_m+2C_5+C_LR_4g_m}{C_5R_4\left(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L\right)}$

K-LP: $\frac{R_4}{2}$

K-HP: 0

K-BP: $\frac{C_5R_4\left(R_5g_m-1\right)}{2C_4R_4g_m+2C_5R_4g_m+2C_5R_5g_m+2C_5+C_LR_4g_m}$

Qz: 0

Wz: None

8.24 INVALID-NUMER-24 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_4 R_L \left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5R_4R_5R_Lg_ms^2 + 2C_4C_5R_4R_Ls^2 + 2C_4R_4R_Lg_ms + C_5C_LR_4R_5R_Lg_ms^2 + C_5C_LR_4R_Ls^2 + C_5R_4R_5g_ms + 2C_5R_4R_Lg_ms + C_5R_4s + 2C_5R_5R_Lg_ms + 2C_5R_Ls + C_LR_4$$

Parameters:

Q: $\frac{C_5 R_4 R_L \sqrt{\frac{g_m(R_4+2R_L)}{C_5R_4R_L(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}}(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}{2C_4R_4R_Lg_m+C_5R_4R_5g_m+2C_5R_4R_Lg_m+C_5R_4+2C_5R_5R_Lg_m+2C_5R_L+C_LR_4R_Lg_m}$
wo: $\sqrt{\frac{g_m(R_4+2R_L)}{C_5R_4R_L(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}}$
bandwidth: $\frac{2C_4R_4R_Lg_m+C_5R_4R_5g_m+2C_5R_4R_Lg_m+C_5R_4+2C_5R_5R_Lg_m+2C_5R_L+C_LR_4R_Lg_m}{C_5R_4R_L(2C_4R_5g_m+2C_4+C_LR_5g_m+C_L)}$
K-LP: $\frac{R_4R_L}{R_4+2R_L}$
K-HP: 0
K-BP: $\frac{C_5R_4R_L(R_5g_m-1)}{2C_4R_4R_Lg_m+C_5R_4R_5g_m+2C_5R_4R_Lg_m+C_5R_4+2C_5R_5R_Lg_m+2C_5R_L+C_LR_4R_Lg_m}$
Qz: 0
Wz: None

8.25 INVALID-NUMER-25 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(R_5 g_m - 1\right)\left(C_4 R_4 s + 1\right)}{C_4C_LR_4R_5g_ms^2 + C_4C_LR_4s^2 + 2C_4R_4g_ms + 2C_4R_5g_ms + 2C_4s + C_LR_5g_ms + C_Ls + 2g_m}$$

Parameters:

Q: $\frac{\sqrt{2}C_4C_LR_4\sqrt{\frac{g_m}{C_4C_LR_4(R_5g_m+1)}}(R_5g_m+1)}{2C_4R_4g_m+2C_4R_5g_m+2C_4+C_LR_5g_m+C_L}$
wo: $\sqrt{2}\sqrt{\frac{g_m}{C_4C_LR_4(R_5g_m+1)}}$
bandwidth: $\frac{2C_4R_4g_m+2C_4R_5g_m+2C_4+C_LR_5g_m+C_L}{C_4C_LR_4(R_5g_m+1)}$
K-LP: $\frac{R_5g_m-1}{2g_m}$
K-HP: 0
K-BP: $\frac{C_4R_4(R_5g_m-1)}{2C_4R_4g_m+2C_4R_5g_m+2C_4+C_LR_5g_m+C_L}$
Qz: 0

Wz: None

8.26 INVALID-NUMER-26 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5,\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_L\left(R_5 g_m - 1\right)\left(C_4 R_4 s + 1\right)}{C_4 C_L R_4 R_5 R_L g_m s^2 + C_4 C_L R_4 R_L s^2 + C_4 R_4 R_5 g_m s + 2C_4 R_4 R_L g_m s + C_4 R_4 s + 2C_4 R_5 R_L g_m s + 2C_4 R_L s + C_L R_5 R_L g_m s + C_L R_L s + R_5 g_m + 2R_L g_m + 1}$$

Parameters:

Q: $\frac{C_4 C_L R_4 R_L \sqrt{\frac{R_5 g_m + 2R_L g_m + 1}{C_4 C_L R_4 R_L (R_5 g_m + 1)}} (R_5 g_m + 1)}{C_4 R_4 R_5 g_m + 2C_4 R_4 R_L g_m + C_4 R_4 + 2C_4 R_5 R_L g_m + 2C_4 R_L + C_L R_5 R_L g_m + C_L R_L}$
wo: $\sqrt{\frac{R_5 g_m + 2R_L g_m + 1}{C_4 C_L R_4 R_L (R_5 g_m + 1)}}$
bandwidth: $\frac{C_4 R_4 R_5 g_m + 2C_4 R_4 R_L g_m + C_4 R_4 + 2C_4 R_5 R_L g_m + 2C_4 R_L + C_L R_5 R_L g_m + C_L R_L}{C_4 C_L R_4 R_L (R_5 g_m + 1)}$
K-LP: $\frac{R_L (R_5 g_m - 1)}{R_5 g_m + 2R_L g_m + 1}$
K-HP: 0
K-BP: $\frac{C_4 R_4 R_L (R_5 g_m - 1)}{C_4 R_4 R_5 g_m + 2C_4 R_4 R_L g_m + C_4 R_4 + 2C_4 R_5 R_L g_m + 2C_4 R_L + C_L R_5 R_L g_m + C_L R_L}$
Qz: 0
Wz: None

9 INVALID-WZ

9.1 INVALID-WZ-1 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4\left(C_5 s - g_m\right)\left(C_L R_L s + 1\right)}{2C_5 C_L R_4 R_L g_m s^2 + C_5 C_L R_4 s^2 + 2C_5 C_L R_L s^2 + 2C_5 R_4 g_m s + 2C_5 s + C_L R_4 g_m s + 2C_L R_L g_m s + 2g_m}$$

Parameters:

Q: $\frac{\sqrt{2} C_5 C_L \sqrt{\frac{g_m}{C_5 C_L (2R_4 R_L g_m + R_4 + 2R_L)}} (2R_4 R_L g_m + R_4 + 2R_L)}{2C_5 R_4 g_m + 2C_5 + C_L R_4 g_m + 2C_L R_L g_m}$
wo: $\sqrt{2}\sqrt{\frac{g_m}{C_5 C_L (2R_4 R_L g_m + R_4 + 2R_L)}}$
bandwidth: $\frac{2C_5 R_4 g_m + 2C_5 + C_L R_4 g_m + 2C_L R_L g_m}{C_5 C_L (2R_4 R_L g_m + R_4 + 2R_L)}$
K-LP: $\frac{R_4}{2}$

K-HP: $-\frac{R_4 R_L}{2R_4 R_L g_m+R_4+2R_L}$

K-BP: $\frac{R_4(-C_5+C_L R_L g_m)}{2C_5 R_4 g_m+2C_5+C_L R_4 g_m+2C_L R_L g_m}$

Qz: $\frac{\sqrt{2}C_5 C_L R_L \sqrt{\frac{g_m}{C_5 C_L(2R_4 R_L g_m+R_4+2R_L)}}}{C_5-C_L R_L g_m}$

Wz: $\sqrt{-\frac{g_m}{C_5 C_L R_L}}$

9.2 INVALID-WZ-2 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5}{C_5 R_5 s+1},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4\left(C_L R_L s+1\right)\left(C_5 R_5 s - R_5 g_m + 1\right)}{2C_5 C_L R_4 R_5 R_L g_m s^2 + C_5 C_L R_4 R_5 s^2 + 2C_5 C_L R_5 R_L s^2 + 2C_5 R_4 R_5 g_m s + 2C_5 R_5 s + C_L R_4 R_5 g_m s + 2C_L R_4 R_L g_m s + C_L R_4 s + 2C_L R_5 R_L g_m s + 2C_L R_L s + 2R_4 g_m + 2R_5 g}$$

Parameters:

Q: $\frac{\sqrt{2}C_5 C_L R_5 \sqrt{\frac{R_4 g_m+R_5 g_m+1}{C_5 C_L R_5(2R_4 R_L g_m+R_4+2R_L)}}(2R_4 R_L g_m+R_4+2R_L)}{2C_5 R_4 R_5 g_m+2C_5 R_5+C_L R_4 R_5 g_m+2C_L R_4 R_L g_m+C_L R_4+2C_L R_5 R_L g_m+2C_L R_L}$

wo: $\sqrt{2}\sqrt{\frac{R_4 g_m+R_5 g_m+1}{C_5 C_L R_5(2R_4 R_L g_m+R_4+2R_L)}}$

bandwidth: $\frac{2C_5 R_4 R_5 g_m+2C_5 R_5+C_L R_4 R_5 g_m+2C_L R_4 R_L g_m+C_L R_4+2C_L R_5 R_L g_m+2C_L R_L}{C_5 C_L R_5(2R_4 R_L g_m+R_4+2R_L)}$

K-LP: $\frac{R_4(R_5 g_m-1)}{2(R_4 g_m+R_5 g_m+1)}$

K-HP: $-\frac{R_4 R_L}{2R_4 R_L g_m+R_4+2R_L}$

K-BP: $\frac{R_4(-C_5 R_5+C_L R_5 R_L g_m-C_L R_L)}{2C_5 R_4 R_5 g_m+2C_5 R_5+C_L R_4 R_5 g_m+2C_L R_4 R_L g_m+C_L R_4+2C_L R_5 R_L g_m+2C_L R_L}$

Qz: $\frac{\sqrt{2}C_5 C_L R_5 R_L \sqrt{\frac{R_4 g_m+R_5 g_m+1}{C_5 C_L R_5(2R_4 R_L g_m+R_4+2R_L)}}}{C_5 R_5-C_L R_5 R_L g_m+C_L R_L}$

Wz: $\sqrt{\frac{-R_5 g_m+1}{C_5 C_L R_5 R_L}}$

9.3 INVALID-WZ-3 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5+\frac{1}{C_5 s},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(C_L R_L s+1\right)\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{C_5 C_L R_4 R_5 g_m s^2 + 2C_5 C_L R_4 R_L g_m s^2 + C_5 C_L R_4 s^2 + 2C_5 C_L R_5 R_L g_m s^2 + 2C_5 C_L R_L s^2 + 2C_5 R_4 g_m s + 2C_5 R_5 g_m s + 2C_5 s + C_L R_4 g_m s + 2C_L R_L g_m s + 2g_m}$$

Parameters:

Q: $\frac{\sqrt{2}C_5 C_L \sqrt{\frac{g_m}{C_5 C_L(R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L)}}(R_4 R_5 g_m+2R_4 R_L g_m+R_4+2R_5 R_L g_m+2R_L)}{2C_5 R_4 g_m+2C_5 R_5 g_m+2C_5+C_L R_4 g_m+2C_L R_L g_m}$

wo: $\sqrt{2}\sqrt{\frac{g_m}{C_5C_L(R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L)}}$

bandwidth: $\frac{2C_5R_4g_m+2C_5R_5g_m+2C_5+C_LR_4g_m+2C_LR_Lg_m}{C_5C_L(R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L)}$

K-LP: $\frac{R_4}{2}$

K-HP: $\frac{R_4R_L(R_5g_m-1)}{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}$

K-BP: $\frac{R_4(C_5R_5g_m-C_5+C_LR_Lg_m)}{2C_5R_4g_m+2C_5R_5g_m+2C_5+C_LR_4g_m+2C_LR_Lg_m}$

Qz: $\frac{\sqrt{2}C_5C_LR_L\sqrt{\frac{g_m}{C_5C_L(R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L)}}(R_5g_m-1)}{C_5R_5g_m-C_5+C_LR_Lg_m}$

Wz: $\sqrt{\frac{g_m}{C_5C_LR_L(R_5g_m-1)}}$

9.4 INVALID-WZ-4 $Z(s)=\left(\infty,\ \infty,\ \infty,\ R_4+\frac{1}{C_4s},\ R_5,\ R_L+\frac{1}{C_Ls}\right)$

$$H(s)=\frac{(R_5g_m-1)(C_4R_4s+1)(C_LR_Ls+1)}{C_4C_LR_4R_5g_ms^2+2C_4C_LR_4R_Lg_ms^2+C_4C_LR_4s^2+2C_4C_LR_5R_Lg_ms^2+2C_4C_LR_Ls^2+2C_4R_4g_ms+2C_4R_5g_ms+2C_4s+C_LR_5g_ms+2C_LR_Lg_ms+C_Ls+2g_m}$$

Parameters:

Q: $\frac{\sqrt{2}C_4C_L\sqrt{\frac{g_m}{C_4C_L(R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L)}}(R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L)}{2C_4R_4g_m+2C_4R_5g_m+2C_4+C_LR_5g_m+2C_LR_Lg_m+C_L}$

wo: $\sqrt{2}\sqrt{\frac{g_m}{C_4C_L(R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L)}}$

bandwidth: $\frac{2C_4R_4g_m+2C_4R_5g_m+2C_4+C_LR_5g_m+2C_LR_Lg_m+C_L}{C_4C_L(R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L)}$

K-LP: $\frac{R_5g_m-1}{2g_m}$

K-HP: $\frac{R_4R_L(R_5g_m-1)}{R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L}$

K-BP: $\frac{C_4R_4R_5g_m-C_4R_4+C_LR_5R_Lg_m-C_LR_L}{2C_4R_4g_m+2C_4R_5g_m+2C_4+C_LR_5g_m+2C_LR_Lg_m+C_L}$

Qz: $\frac{\sqrt{2}C_4C_LR_4R_L\sqrt{\frac{g_m}{C_4C_L(R_4R_5g_m+2R_4R_Lg_m+R_4+2R_5R_Lg_m+2R_L)}}}{C_4R_4+C_LR_L}$

Wz: $\sqrt{\frac{1}{C_4C_LR_4R_L}}$

9.5 INVALID-WZ-5 $Z(s)=\left(\infty,\ \infty,\ \infty,\ R_4+\frac{1}{C_4s},\ \frac{1}{C_5s},\ R_L\right)$

$$H(s)=-\frac{R_L(C_5s-g_m)(C_4R_4s+1)}{2C_4C_5R_4R_Lg_ms^2+C_4C_5R_4s^2+2C_4C_5R_Ls^2+C_4R_4g_ms+2C_4R_Lg_ms+2C_5R_Lg_ms+C_5s+g_m}$$

Parameters:

Q: $\frac{C_4C_5\sqrt{\frac{g_m}{C_4C_5(2R_4R_Lg_m+R_4+2R_L)}}(2R_4R_Lg_m+R_4+2R_L)}{C_4R_4g_m+2C_4R_Lg_m+2C_5R_Lg_m+C_5}$

wo: $\sqrt{\frac{g_m}{C_4C_5(2R_4R_Lg_m+R_4+2R_L)}}$

bandwidth: $\frac{C_4R_4g_m+2C_4R_Lg_m+2C_5R_Lg_m+C_5}{C_4C_5(2R_4R_Lg_m+R_4+2R_L)}$

K-LP: R_L

K-HP: $-\frac{R_4R_L}{2R_4R_Lg_m+R_4+2R_L}$

K-BP: $\frac{R_L(C_4R_4g_m-C_5)}{C_4R_4g_m+2C_4R_Lg_m+2C_5R_Lg_m+C_5}$

Qz: $-\frac{C_4C_5R_4\sqrt{\frac{g_m}{C_4C_5(2R_4R_Lg_m+R_4+2R_L)}}}{C_4R_4g_m-C_5}$

Wz: $\sqrt{-\frac{g_m}{C_4C_5R_4}}$

9.6 INVALID-WZ-6 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5R_5s+1},\ R_L\right)$

$$H(s) = -\frac{R_L\left(C_4R_4s+1\right)\left(C_5R_5s-R_5g_m+1\right)}{2C_4C_5R_4R_5R_Lg_ms^2+C_4C_5R_4R_5s^2+2C_4C_5R_5R_Ls^2+C_4R_4R_5g_ms+2C_4R_4R_Lg_ms+C_4R_4s+2C_4R_5R_Lg_ms+2C_4R_Ls+2C_5R_5R_Lg_ms+C_5R_5s+R_5g_m+2R_Lg_m+}$$

Parameters:

Q: $\frac{C_4C_5R_5\sqrt{\frac{R_5g_m+2R_Lg_m+1}{C_4C_5R_5(2R_4R_Lg_m+R_4+2R_L)}}(2R_4R_Lg_m+R_4+2R_L)}{C_4R_4R_5g_m+2C_4R_4R_Lg_m+C_4R_4+2C_4R_5R_Lg_m+2C_4R_L+2C_5R_5R_Lg_m+C_5R_5}$

wo: $\sqrt{\frac{R_5g_m+2R_Lg_m+1}{C_4C_5R_5(2R_4R_Lg_m+R_4+2R_L)}}$

bandwidth: $\frac{C_4R_4R_5g_m+2C_4R_4R_Lg_m+C_4R_4+2C_4R_5R_Lg_m+2C_4R_L+2C_5R_5R_Lg_m+C_5R_5}{C_4C_5R_5(2R_4R_Lg_m+R_4+2R_L)}$

K-LP: $\frac{R_L(R_5g_m-1)}{R_5g_m+2R_Lg_m+1}$

K-HP: $-\frac{R_4R_L}{2R_4R_Lg_m+R_4+2R_L}$

K-BP: $\frac{R_L(C_4R_4R_5g_m-C_4R_4-C_5R_5)}{C_4R_4R_5g_m+2C_4R_4R_Lg_m+C_4R_4+2C_4R_5R_Lg_m+2C_4R_L+2C_5R_5R_Lg_m+C_5R_5}$

Qz: $\frac{C_4C_5R_4R_5\sqrt{\frac{R_5g_m+2R_Lg_m+1}{C_4C_5R_5(2R_4R_Lg_m+R_4+2R_L)}}}{-C_4R_4R_5g_m+C_4R_4+C_5R_5}$

Wz: $\sqrt{\frac{-R_5g_m+1}{C_4C_5R_4R_5}}$

9.7 INVALID-WZ-7 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_4 R_4 s + 1\right)\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{C_4 C_5 R_4 R_5 g_m s^2 + 2C_4 C_5 R_4 R_L g_m s^2 + C_4 C_5 R_4 s^2 + 2C_4 C_5 R_5 R_L g_m s^2 + 2C_4 C_5 R_L s^2 + C_4 R_4 g_m s + 2C_4 R_L g_m s + C_5 R_5 g_m s + 2C_5 R_L g_m s + C_5 s + g_m}$$

Parameters:

Q: $\frac{C_4 C_5 \sqrt{\frac{g_m}{C_4 C_5 (R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L)}} (R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L)}{C_4 R_4 g_m + 2C_4 R_L g_m + C_5 R_5 g_m + 2C_5 R_L g_m + C_5}$

wo: $\sqrt{\frac{g_m}{C_4 C_5 (R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L)}}$

bandwidth: $\frac{C_4 R_4 g_m + 2C_4 R_L g_m + C_5 R_5 g_m + 2C_5 R_L g_m + C_5}{C_4 C_5 (R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L)}$

K-LP: R_L

K-HP: $\frac{R_4 R_L (R_5 g_m - 1)}{R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$

K-BP: $\frac{R_L (C_4 R_4 g_m + C_5 R_5 g_m - C_5)}{C_4 R_4 g_m + 2C_4 R_L g_m + C_5 R_5 g_m + 2C_5 R_L g_m + C_5}$

Qz: $\frac{C_4 C_5 R_4 \sqrt{\frac{g_m}{C_4 C_5 (R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L)}} (R_5 g_m - 1)}{C_4 R_4 g_m + C_5 R_5 g_m - C_5}$

Wz: $\sqrt{\frac{g_m}{C_4 C_5 R_4 (R_5 g_m - 1)}}$

10 INVALID-ORDER

10.1 INVALID-ORDER-1 $Z(s) = (\infty,\ \infty,\ \infty,\ R_4,\ R_5,\ R_L)$

$$H(s) = \frac{R_4 R_L\left(R_5 g_m - 1\right)}{R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$$

10.2 INVALID-ORDER-2 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(R_5 g_m - 1\right)}{C_L R_4 R_5 g_m s + C_L R_4 s + 2R_4 g_m + 2R_5 g_m + 2}$$

10.3 INVALID-ORDER-3 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5,\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_4 R_L \left(R_5 g_m - 1\right)}{C_L R_4 R_5 R_L g_m s + C_L R_4 R_L s + R_4 R_5 g_m + 2 R_4 R_L g_m + R_4 + 2 R_5 R_L g_m + 2 R_L}$$

10.4 INVALID-ORDER-4 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5,\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(R_5 g_m - 1\right) \left(C_L R_L s + 1\right)}{C_L R_4 R_5 g_m s + 2 C_L R_4 R_L g_m s + C_L R_4 s + 2 C_L R_5 R_L g_m s + 2 C_L R_L s + 2 R_4 g_m + 2 R_5 g_m + 2}$$

10.5 INVALID-ORDER-5 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_4 R_L \left(-C_5 s + g_m\right)}{2 C_5 R_4 R_L g_m s + C_5 R_4 s + 2 C_5 R_L s + R_4 g_m + 2 R_L g_m}$$

10.6 INVALID-ORDER-6 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4 \left(C_5 s - g_m\right) \left(C_L L_L s^2 + 1\right)}{2 C_5 C_L L_L R_4 g_m s^3 + 2 C_5 C_L L_L s^3 + C_5 C_L R_4 s^2 + 2 C_5 R_4 g_m s + 2 C_5 s + 2 C_L L_L g_m s^2 + C_L R_4 g_m s + 2 g_m}$$

10.7 INVALID-ORDER-7 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L R_4 s \left(-C_5 s + g_m\right)}{C_5 C_L L_L R_4 s^3 + 2 C_5 L_L R_4 g_m s^2 + 2 C_5 L_L s^2 + C_5 R_4 s + C_L L_L R_4 g_m s^2 + 2 L_L g_m s + R_4 g_m}$$

10.8 INVALID-ORDER-8 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4 \left(C_5 s - g_m\right) \left(C_L L_L s^2 + C_L R_L s + 1\right)}{2 C_5 C_L L_L R_4 g_m s^3 + 2 C_5 C_L L_L s^3 + 2 C_5 C_L R_4 R_L g_m s^2 + C_5 C_L R_4 s^2 + 2 C_5 C_L R_L s^2 + 2 C_5 R_4 g_m s + 2 C_5 s + 2 C_L L_L g_m s^2 + C_L R_4 g_m s + 2 C_L R_L g_m s + 2 g_m}$$

10.9 INVALID-ORDER-9 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_4 R_L s\left(-C_5 s + g_m\right)}{C_5 C_L L_L R_4 R_L s^3 + 2C_5 L_L R_4 R_L g_m s^2 + C_5 L_L R_4 s^2 + 2C_5 L_L R_L s^2 + C_5 R_4 R_L s + C_L L_L R_4 R_L g_m s^2 + L_L R_4 g_m s + 2L_L R_L g_m s + R_4 R_L g_m}$$

10.10 INVALID-ORDER-10 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{R_4\left(C_5 s - g_m\right)\left(C_L L_L R_L s^2 + L_L s + R_L\right)}{2C_5 C_L L_L R_4 R_L g_m s^3 + C_5 C_L L_L R_4 s^3 + 2C_5 C_L L_L R_L s^3 + 2C_5 L_L R_4 g_m s^2 + 2C_5 L_L s^2 + 2C_5 R_4 R_L g_m s + C_5 R_4 s + 2C_5 R_L s + C_L L_L R_4 g_m s^2 + 2C_L L_L R_L g_m s^2 + 2L_L g_m s +}$$

10.11 INVALID-ORDER-11 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{R_4 R_L\left(C_5 s - g_m\right)\left(C_L L_L s^2 + 1\right)}{2C_5 C_L L_L R_4 R_L g_m s^3 + C_5 C_L L_L R_4 s^3 + 2C_5 C_L L_L R_L s^3 + C_5 C_L R_4 R_L s^2 + 2C_5 R_4 R_L g_m s + C_5 R_4 s + 2C_5 R_L s + C_L L_L R_4 g_m s^2 + 2C_L L_L R_L g_m s^2 + C_L R_4 R_L g_m s + R_4 g_m +}$$

10.12 INVALID-ORDER-12 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5}{C_5 R_5 s+1},\ R_L\right)$

$$H(s) = \frac{R_4 R_L\left(-C_5 R_5 s + R_5 g_m - 1\right)}{2C_5 R_4 R_5 R_L g_m s + C_5 R_4 R_5 s + 2C_5 R_5 R_L s + R_4 R_5 g_m + 2R_4 R_L g_m + R_4 + 2R_5 R_L g_m + 2R_L}$$

10.13 INVALID-ORDER-13 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4\left(C_L L_L s^2 + 1\right)\left(C_5 R_5 s - R_5 g_m + 1\right)}{2C_5 C_L L_L R_4 R_5 g_m s^3 + 2C_5 C_L L_L R_5 s^3 + C_5 C_L R_4 R_5 s^2 + 2C_5 R_4 R_5 g_m s + 2C_5 R_5 s + 2C_L L_L R_4 g_m s^2 + 2C_L L_L R_5 g_m s^2 + 2C_L L_L s^2 + C_L R_4 R_5 g_m s + C_L R_4 s + 2R_4 g_m + 2R}$$

10.14 INVALID-ORDER-14 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L R_4 s\left(-C_5 R_5 s + R_5 g_m - 1\right)}{C_5 C_L L_L R_4 R_5 s^3 + 2C_5 L_L R_4 R_5 g_m s^2 + 2C_5 L_L R_5 s^2 + C_5 R_4 R_5 s + C_L L_L R_4 R_5 g_m s^2 + C_L L_L R_4 s^2 + 2L_L R_4 g_m s + 2L_L R_5 g_m s + 2L_L s + R_4 R_5 g_m + R_4}$$

10.15 INVALID-ORDER-15 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4\left(C_5 R_5 s - R_5 g_m + 1\right)\left(C_L L_L s^2 + C_L R_L s + 1\right)}{2C_5 C_L L_L R_4 R_5 g_m s^3 + 2C_5 C_L L_L R_5 s^3 + 2C_5 C_L R_4 R_5 R_L g_m s^2 + C_5 C_L R_4 R_5 s^2 + 2C_5 C_L R_5 R_L s^2 + 2C_5 R_4 R_5 g_m s + 2C_5 R_5 s + 2C_L L_L R_4 g_m s^2 + 2C_L L_L R_5 g_m s^2 + 2C_L L_L s$$

10.16 INVALID-ORDER-16 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_4 R_L s\left(-C_5 R_5 s + R_5 g_m - 1\right)}{C_5 C_L L_L R_4 R_5 R_L s^3 + 2C_5 L_L R_4 R_5 R_L g_m s^2 + C_5 L_L R_4 R_5 s^2 + 2C_5 L_L R_5 R_L s^2 + C_5 R_4 R_5 R_L s + C_L L_L R_4 R_5 R_L g_m s^2 + C_L L_L R_4 R_L s^2 + L_L R_4 R_5 g_m s + 2L_L R_4 R_L g_m s + L_L R$$

10.17 INVALID-ORDER-17 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{R_4\left(C_5 R_5 s - R_5 g_m + 1\right)\left(C_L L_L R_L\right.}{2C_5 C_L L_L R_4 R_5 R_L g_m s^3 + C_5 C_L L_L R_4 R_5 s^3 + 2C_5 C_L L_L R_5 R_L s^3 + 2C_5 L_L R_4 R_5 g_m s^2 + 2C_5 L_L R_5 s^2 + 2C_5 R_4 R_5 R_L g_m s + C_5 R_4 R_5 s + 2C_5 R_5 R_L s + C_L L_L R_4 R_5 g_m s^2 + 2C$$

10.18 INVALID-ORDER-18 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{R_4 R_L\left(C_L L_L s^2 + 1\right)\left(C_5 R_5 s - R_5 g_m +\right.}{2C_5 C_L L_L R_4 R_5 R_L g_m s^3 + C_5 C_L L_L R_4 R_5 s^3 + 2C_5 C_L L_L R_5 R_L s^3 + C_5 C_L R_4 R_5 R_L s^2 + 2C_5 R_4 R_5 R_L g_m s + C_5 R_4 R_5 s + 2C_5 R_5 R_L s + C_L L_L R_4 R_5 g_m s^2 + 2C_L L_L R_4 R_L g_m s^2$$

10.19 INVALID-ORDER-19 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_4 R_L \left(C_5 R_5 g_m s - C_5 s + g_m\right)}{C_5 R_4 R_5 g_m s + 2 C_5 R_4 R_L g_m s + C_5 R_4 s + 2 C_5 R_5 R_L g_m s + 2 C_5 R_L s + R_4 g_m + 2 R_L g_m}$$

10.20 INVALID-ORDER-20 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(C_L L_L s^2 + 1\right) \left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2 C_5 C_L L_L R_4 g_m s^3 + 2 C_5 C_L L_L R_5 g_m s^3 + 2 C_5 C_L L_L s^3 + C_5 C_L R_4 R_5 g_m s^2 + C_5 C_L R_4 s^2 + 2 C_5 R_4 g_m s + 2 C_5 R_5 g_m s + 2 C_5 s + 2 C_L L_L g_m s^2 + C_L R_4 g_m s + 2 g_m}$$

10.21 INVALID-ORDER-21 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{L_L R_4 s \left(C_5 R_5 g_m s - C_5 s + g_m\right)}{C_5 C_L L_L R_4 R_5 g_m s^3 + C_5 C_L L_L R_4 s^3 + 2 C_5 L_L R_4 g_m s^2 + 2 C_5 L_L R_5 g_m s^2 + 2 C_5 L_L s^2 + C_5 R_4 R_5 g_m s + C_5 R_4 s + C_L L_L R_4 g_m s^2 + 2 L_L g_m s + R_4 g_m}$$

10.22 INVALID-ORDER-22 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(C_L L_L s^2 + C_L R_L s + 1\right) \left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2 C_5 C_L L_L R_4 g_m s^3 + 2 C_5 C_L L_L R_5 g_m s^3 + 2 C_5 C_L L_L s^3 + C_5 C_L R_4 R_5 g_m s^2 + 2 C_5 C_L R_4 R_L g_m s^2 + C_5 C_L R_4 s^2 + 2 C_5 C_L R_5 R_L g_m s^2 + 2 C_5 C_L R_L s^2 + 2 C_5 R_4 g_m s + 2 C_5 R_5 g_m s +}$$

10.23 INVALID-ORDER-23 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_4 R_L s \left(C_5 R_5 g_m s - C_5 s + g_m\right)}{C_5 C_L L_L R_4 R_5 R_L g_m s^3 + C_5 C_L L_L R_4 R_L s^3 + C_5 L_L R_4 R_5 g_m s^2 + 2 C_5 L_L R_4 R_L g_m s^2 + C_5 L_L R_4 s^2 + 2 C_5 L_L R_5 R_L g_m s^2 + 2 C_5 L_L R_L s^2 + C_5 R_4 R_5 R_L g_m s + C_5 R_4 R_L s + C_L L_L}$$

10.24 INVALID-ORDER-24 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = \frac{R_4 \left(C_5 R_5 g_m s - C_5 s + g_m\right) \left(C_L L_L R_L s^2 + L_L s + R_L\right)}{C_5 C_L L_L R_4 R_5 g_m s^3 + 2 C_5 C_L L_L R_4 R_L g_m s^3 + C_5 C_L L_L R_4 s^3 + 2 C_5 C_L L_L R_5 R_L g_m s^3 + 2 C_5 C_L L_L R_L s^3 + 2 C_5 L_L R_4 g_m s^2 + 2 C_5 L_L R_5 g_m s^2 + 2 C_5 L_L s^2 + C_5 R_4 R_5 g_m s + 2 C_5 R}$$

10.25 INVALID-ORDER-25 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{R_4 R_L \left(C_L L_L s^2 + 1\right)\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{C_5 C_L L_L R_4 R_5 g_m s^3 + 2C_5 C_L L_L R_4 R_L g_m s^3 + C_5 C_L L_L R_4 s^3 + 2C_5 C_L L_L R_5 R_L g_m s^3 + 2C_5 C_L L_L R_L s^3 + C_5 C_L R_4 R_5 R_L g_m s^2 + C_5 C_L R_4 R_L s^2 + C_5 R_4 R_5 g_m s + 2C_5 R_4 R_L g_m}$$

10.26 INVALID-ORDER-26 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{C_5 C_L L_5 R_4 g_m s^3 + C_5 C_L R_4 s^2 + 2C_5 L_5 g_m s^2 + 2C_5 R_4 g_m s + 2C_5 s + C_L R_4 g_m s + 2g_m}$$

10.27 INVALID-ORDER-27 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = \frac{R_4 R_L\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{C_5 C_L L_5 R_4 R_L g_m s^3 + C_5 C_L R_4 R_L s^2 + C_5 L_5 R_4 g_m s^2 + 2C_5 L_5 R_L g_m s^2 + 2C_5 R_4 R_L g_m s + C_5 R_4 s + 2C_5 R_L s + C_L R_4 R_L g_m s + R_4 g_m + 2R_L g_m}$$

10.28 INVALID-ORDER-28 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(C_L R_L s + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{C_5 C_L L_5 R_4 g_m s^3 + 2C_5 C_L L_5 R_L g_m s^3 + 2C_5 C_L R_4 R_L g_m s^2 + C_5 C_L R_4 s^2 + 2C_5 C_L R_L s^2 + 2C_5 L_5 g_m s^2 + 2C_5 R_4 g_m s + 2C_5 s + C_L R_4 g_m s + 2C_L R_L g_m s + 2g_m}$$

10.29 INVALID-ORDER-29 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(C_L L_L s^2 + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{2C_5 C_L L_5 L_L g_m s^4 + C_5 C_L L_5 R_4 g_m s^3 + 2C_5 C_L L_L R_4 g_m s^3 + 2C_5 C_L L_L s^3 + C_5 C_L R_4 s^2 + 2C_5 L_5 g_m s^2 + 2C_5 R_4 g_m s + 2C_5 s + 2C_L L_L g_m s^2 + C_L R_4 g_m s + 2g_m}$$

10.30 INVALID-ORDER-30 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L R_4 s \left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{C_5 C_L L_5 L_L R_4 g_m s^4 + C_5 C_L L_L R_4 s^3 + 2 C_5 L_5 L_L g_m s^3 + C_5 L_5 R_4 g_m s^2 + 2 C_5 L_L R_4 g_m s^2 + 2 C_5 L_L s^2 + C_5 R_4 s + C_L L_L R_4 g_m s^2 + 2 L_L g_m s + R_4 g_m}$$

10.31 INVALID-ORDER-31 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(C_L L_L s^2 + C_L R_L s + 1\right) \left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{2 C_5 C_L L_5 L_L g_m s^4 + C_5 C_L L_5 R_4 g_m s^3 + 2 C_5 C_L L_5 R_L g_m s^3 + 2 C_5 C_L L_L R_4 g_m s^3 + 2 C_5 C_L L_L s^3 + 2 C_5 C_L R_4 R_L g_m s^2 + C_5 C_L R_4 s^2 + 2 C_5 C_L R_L s^2 + 2 C_5 L_5 g_m s^2 + 2 C_5 R_4 g_m s +}$$

10.32 INVALID-ORDER-32 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_4 R_L s \left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{C_5 C_L L_5 L_L R_4 R_L g_m s^4 + C_5 C_L L_L R_4 R_L s^3 + C_5 L_5 L_L R_4 g_m s^3 + 2 C_5 L_5 L_L R_L g_m s^3 + C_5 L_5 R_4 R_L g_m s^2 + 2 C_5 L_L R_4 R_L g_m s^2 + C_5 L_L R_4 s^2 + 2 C_5 L_L R_L s^2 + C_5 R_4 R_L s + C_L L_L}$$

10.33 INVALID-ORDER-33 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{R_4 \left(C_5 L_5 g_m s^2 - C_5 s + g_m\right) \left(C_L L_L R_L s^2 + L_L s + R_L\right)}{C_5 C_L L_5 L_L R_4 g_m s^4 + 2 C_5 C_L L_5 L_L R_L g_m s^4 + 2 C_5 C_L L_L R_4 R_L g_m s^3 + C_5 C_L L_L R_4 s^3 + 2 C_5 C_L L_L R_L s^3 + 2 C_5 L_5 L_L g_m s^3 + C_5 L_5 R_4 g_m s^2 + 2 C_5 L_5 R_L g_m s^2 + 2 C_5 L_L R_4 g_m s^2 +}$$

10.34 INVALID-ORDER-34 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{R_4 R_L \left(C_L L_L s^2 + 1\right) \left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{C_5 C_L L_5 L_L R_4 g_m s^4 + 2 C_5 C_L L_5 L_L R_L g_m s^4 + C_5 C_L L_5 R_4 R_L g_m s^3 + 2 C_5 C_L L_L R_4 R_L g_m s^3 + C_5 C_L L_L R_4 s^3 + 2 C_5 C_L L_L R_L s^3 + C_5 C_L R_4 R_L s^2 + C_5 L_5 R_4 g_m s^2 + 2 C_5 L_5 R_L g_m}$$

10.35 INVALID-ORDER-35 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(-C_5 L_5 s^2 + L_5 g_m s - 1\right)}{C_5 C_L L_5 R_4 s^3 + 2C_5 L_5 R_4 g_m s^2 + 2C_5 L_5 s^2 + C_L L_5 R_4 g_m s^2 + C_L R_4 s + 2L_5 g_m s + 2R_4 g_m + 2}$$

10.36 INVALID-ORDER-36 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_4 R_L\left(-C_5 L_5 s^2 + L_5 g_m s - 1\right)}{C_5 C_L L_5 R_4 R_L s^3 + 2C_5 L_5 R_4 R_L g_m s^2 + C_5 L_5 R_4 s^2 + 2C_5 L_5 R_L s^2 + C_L L_5 R_4 R_L g_m s^2 + C_L R_4 R_L s + L_5 R_4 g_m s + 2L_5 R_L g_m s + 2R_4 R_L g_m + R_4 + 2R_L}$$

10.37 INVALID-ORDER-37 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4\left(C_L R_L s + 1\right)\left(C_5 L_5 s^2 - L_5 g_m s + 1\right)}{2C_5 C_L L_5 R_4 R_L g_m s^3 + C_5 C_L L_5 R_4 s^3 + 2C_5 C_L L_5 R_L s^3 + 2C_5 L_5 R_4 g_m s^2 + 2C_5 L_5 s^2 + C_L L_5 R_4 g_m s^2 + 2C_L L_5 R_L g_m s^2 + 2C_L R_4 R_L g_m s + C_L R_4 s + 2C_L R_L s + 2L_5 g_m s + 2}$$

10.38 INVALID-ORDER-38 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4\left(C_L L_L s^2 + 1\right)\left(C_5 L_5 s^2 - L_5 g_m s + 1\right)}{2C_5 C_L L_5 L_L R_4 g_m s^4 + 2C_5 C_L L_5 L_L s^4 + C_5 C_L L_5 R_4 s^3 + 2C_5 L_5 R_4 g_m s^2 + 2C_5 L_5 s^2 + 2C_L L_5 L_L g_m s^3 + C_L L_5 R_4 g_m s^2 + 2C_L L_L R_4 g_m s^2 + 2C_L L_L s^2 + C_L R_4 s + 2L_5 g_m s +$$

10.39 INVALID-ORDER-39 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L R_4 s\left(-C_5 L_5 s^2 + L_5 g_m s - 1\right)}{C_5 C_L L_5 L_L R_4 s^4 + 2C_5 L_5 L_L R_4 g_m s^3 + 2C_5 L_5 L_L s^3 + C_5 L_5 R_4 s^2 + C_L L_5 L_L R_4 g_m s^3 + C_L L_L R_4 s^2 + 2L_5 L_L g_m s^2 + L_5 R_4 g_m s + 2L_L R_4 g_m s + 2L_L s + R_4}$$

10.40 INVALID-ORDER-40 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4\left(C_5 L_5 s^2 - L_5 g_m s + 1\right)\left(C_L L_L s^2 + C_L R_L s + 1\right)}{2C_5 C_L L_5 L_L R_4 g_m s^4 + 2C_5 C_L L_5 L_L s^4 + 2C_5 C_L L_5 R_4 R_L g_m s^3 + C_5 C_L L_5 R_4 s^3 + 2C_5 C_L L_5 R_L s^3 + 2C_5 L_5 R_4 g_m s^2 + 2C_5 L_5 s^2 + 2C_L L_5 L_L g_m s^3 + C_L L_5 R_4 g_m s^2 + 2C_L L_5 R_L$$

10.41 INVALID-ORDER-41 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_4 R_L s \left(-C_5 L_5 s^2 + L_5 g_m s - 1\right)}{C_5 C_L L_5 L_L R_4 R_L s^4 + 2C_5 L_5 L_L R_4 R_L g_m s^3 + C_5 L_5 L_L R_4 s^3 + 2C_5 L_5 L_L R_L s^3 + C_5 L_5 R_4 R_L s^2 + C_L L_5 L_L R_4 R_L g_m s^3 + C_L L_L R_4 R_L s^2 + L_5 L_L R_4 g_m s^2 + 2L_5 L_L R_L g_m s^2 + L_5$$

10.42 INVALID-ORDER-42 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{R_4 \left(C_5 L_5 s^2 - L_5 g_m s + 1\right) \left(C_L L_L$$
$$2C_5 C_L L_5 L_L R_4 R_L g_m s^4 + C_5 C_L L_5 L_L R_4 s^4 + 2C_5 C_L L_5 L_L R_L s^4 + 2C_5 L_5 L_L R_4 g_m s^3 + 2C_5 L_5 L_L s^3 + 2C_5 L_5 R_4 R_L g_m s^2 + C_5 L_5 R_4 s^2 + 2C_5 L_5 R_L s^2 + C_L L_5 L_L R_4 g_m s^3 + 2$$

10.43 INVALID-ORDER-43 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{R_4 R_L \left(C_L L_L s^2 + 1\right) \left(C_5 L_5 s^2 - L_5 g_m s\right.$$
$$2C_5 C_L L_5 L_L R_4 R_L g_m s^4 + C_5 C_L L_5 L_L R_4 s^4 + 2C_5 C_L L_5 L_L R_L s^4 + C_5 C_L L_5 R_4 R_L s^3 + 2C_5 L_5 R_4 R_L g_m s^2 + C_5 L_5 R_4 s^2 + 2C_5 L_5 R_L s^2 + C_L L_5 L_L R_4 g_m s^3 + 2C_L L_5 L_L R_L g_m s$$

10.44 INVALID-ORDER-44 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{C_5 C_L L_5 R_4 g_m s^3 + C_5 C_L R_4 R_5 g_m s^2 + C_5 C_L R_4 s^2 + 2C_5 L_5 g_m s^2 + 2C_5 R_4 g_m s + 2C_5 R_5 g_m s + 2C_5 s + C_L R_4 g_m s + 2g_m}$$

10.45 INVALID-ORDER-45 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_4 R_L \left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{C_5 C_L L_5 R_4 R_L g_m s^3 + C_5 C_L R_4 R_5 R_L g_m s^2 + C_5 C_L R_4 R_L s^2 + C_5 L_5 R_4 g_m s^2 + 2C_5 L_5 R_L g_m s^2 + C_5 R_4 R_5 g_m s + 2C_5 R_4 R_L g_m s + C_5 R_4 s + 2C_5 R_5 R_L g_m s + 2C_5 R_L s + C_L R_4 R$$

10.46 INVALID-ORDER-46 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(C_L R_L s + 1\right) \left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{C_5 C_L L_5 R_4 g_m s^3 + 2 C_5 C_L L_5 R_L g_m s^3 + C_5 C_L R_4 R_5 g_m s^2 + 2 C_5 C_L R_4 R_L g_m s^2 + C_5 C_L R_4 s^2 + 2 C_5 C_L R_5 R_L g_m s^2 + 2 C_5 C_L R_L s^2 + 2 C_5 L_5 g_m s^2 + 2 C_5 R_4 g_m s + 2 C_5 R_5 g_m s + 2}$$

10.47 INVALID-ORDER-47 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(C_L L_L s^2 + 1\right) \left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{2 C_5 C_L L_5 L_L g_m s^4 + C_5 C_L L_5 R_4 g_m s^3 + 2 C_5 C_L L_L R_4 g_m s^3 + 2 C_5 C_L L_L R_5 g_m s^3 + 2 C_5 C_L L_L s^3 + C_5 C_L R_4 R_5 g_m s^2 + C_5 C_L R_4 s^2 + 2 C_5 L_5 g_m s^2 + 2 C_5 R_4 g_m s + 2 C_5 R_5 g_m s + 2 C}$$

10.48 INVALID-ORDER-48 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{L_L R_4 s \left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{C_5 C_L L_5 L_L R_4 g_m s^4 + C_5 C_L L_L R_4 R_5 g_m s^3 + C_5 C_L L_L R_4 s^3 + 2 C_5 L_5 L_L g_m s^3 + C_5 L_5 R_4 g_m s^2 + 2 C_5 L_L R_4 g_m s^2 + 2 C_5 L_L R_5 g_m s^2 + 2 C_5 L_L s^2 + C_5 R_4 R_5 g_m s + C_5 R_4 s + C_L L_L}$$

10.49 INVALID-ORDER-49 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(C_L L_L s^2 + C_L R_L s + 1\right) \left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s -}{2 C_5 C_L L_5 L_L g_m s^4 + C_5 C_L L_5 R_4 g_m s^3 + 2 C_5 C_L L_5 R_L g_m s^3 + 2 C_5 C_L L_L R_4 g_m s^3 + 2 C_5 C_L L_L R_5 g_m s^3 + 2 C_5 C_L L_L s^3 + C_5 C_L R_4 R_5 g_m s^2 + 2 C_5 C_L R_4 R_L g_m s^2 + C_5 C_L R_4 s^2 + 2 C}$$

10.50 INVALID-ORDER-50 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_4 R_L s \left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s +\right.}{C_5 C_L L_5 L_L R_4 R_L g_m s^4 + C_5 C_L L_L R_4 R_5 R_L g_m s^3 + C_5 C_L L_L R_4 R_L s^3 + C_5 L_5 L_L R_4 g_m s^3 + 2 C_5 L_5 L_L R_L g_m s^3 + C_5 L_5 R_4 R_L g_m s^2 + C_5 L_L R_4 R_5 g_m s^2 + 2 C_5 L_L R_4 R_L g_m s^2 + C_5$$

10.51 INVALID-ORDER-51 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{R_4 \left(C_L L_L R_L s^2 \right.$$
$$\overline{C_5 C_L L_5 L_L R_4 g_m s^4 + 2C_5 C_L L_5 L_L R_L g_m s^4 + C_5 C_L L_L R_4 R_5 g_m s^3 + 2C_5 C_L L_L R_4 R_L g_m s^3 + C_5 C_L L_L R_4 s^3 + 2C_5 C_L L_L R_5 R_L g_m s^3 + 2C_5 C_L L_L R_L s^3 + 2C_5 L_5 L_L g_m s^3 + C_5 L}$$

10.52 INVALID-ORDER-52 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{R_4 R_L \left(C_L \right.$$
$$\overline{C_5 C_L L_5 L_L R_4 g_m s^4 + 2C_5 C_L L_5 L_L R_L g_m s^4 + C_5 C_L L_5 R_4 R_L g_m s^3 + C_5 C_L L_L R_4 R_5 g_m s^3 + 2C_5 C_L L_L R_4 R_L g_m s^3 + C_5 C_L L_L R_4 s^3 + 2C_5 C_L L_L R_5 R_L g_m s^3 + 2C_5 C_L L_L R_L s^3 +}$$

10.53 INVALID-ORDER-53 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(-C_5 L_5 R_5 s^2 + L_5 R_5 g_m s - L_5 s - R_5\right)}{C_5 C_L L_5 R_4 R_5 s^3 + 2C_5 L_5 R_4 R_5 g_m s^2 + 2C_5 L_5 R_5 s^2 + C_L L_5 R_4 R_5 g_m s^2 + C_L L_5 R_4 s^2 + C_L R_4 R_5 s + 2L_5 R_4 g_m s + 2L_5 R_5 g_m s + 2L_5 s + 2R_4 R_5 g_m + 2R_5}$$

10.54 INVALID-ORDER-54 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = \frac{R_4 R_L \left(-C_5 L_5 R_5 s^2 + L_5 R_5 g_m s - L_5 s - R_5\right)}{C_5 C_L L_5 R_4 R_5 R_L s^3 + 2C_5 L_5 R_4 R_5 R_L g_m s^2 + C_5 L_5 R_4 R_5 s^2 + 2C_5 L_5 R_5 R_L s^2 + C_L L_5 R_4 R_5 R_L g_m s^2 + C_L L_5 R_4 R_L s^2 + C_L R_4 R_5 R_L s + L_5 R_4 R_5 g_m s + 2L_5 R_4 R_L g_m s + L_5 R_4 s}$$

10.55 INVALID-ORDER-55 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4 \left(C_L R_L s + 1\right) \left(C_5 L_5 R_5 s^2 - L_5 R_5 g_m s + L_5 s + R_5\right)}{2C_5 C_L L_5 R_4 R_5 R_L g_m s^3 + C_5 C_L L_5 R_4 R_5 s^3 + 2C_5 C_L L_5 R_5 R_L s^3 + 2C_5 L_5 R_4 R_5 g_m s^2 + 2C_5 L_5 R_5 s^2 + C_L L_5 R_4 R_5 g_m s^2 + 2C_L L_5 R_4 R_L g_m s^2 + C_L L_5 R_4 s^2 + 2C_L L_5 R_5 R_L g_m s}$$

10.56 INVALID-ORDER-56 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4\left(C_L L_L s^2+1\right)\left(C_5 L_5 R_5 s^2 - L_5 R_5 g_m s + L_5 s + R_5\right.}{2C_5C_L L_5 L_L R_4 R_5 g_m s^4 + 2C_5 C_L L_5 L_L R_5 s^4 + C_5 C_L L_5 R_4 R_5 s^3 + 2C_5 L_5 R_4 R_5 g_m s^2 + 2C_5 L_5 R_5 s^2 + 2C_L L_5 L_L R_4 g_m s^3 + 2C_L L_5 L_L R_5 g_m s^3 + 2C_L L_5 L_L s^3 + C_L L_5 R_4 R_5 g_m$$

10.57 INVALID-ORDER-57 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L R_4 s\left(-C_5 L_5 R_5 s^2 + L_5 R_5 g_m s - L_5 s - R_5\right)}{C_5 C_L L_5 L_L R_4 R_5 s^4 + 2C_5 L_5 L_L R_4 R_5 g_m s^3 + 2C_5 L_5 L_L R_5 s^3 + C_5 L_5 R_4 R_5 s^2 + C_L L_5 L_L R_4 R_5 g_m s^3 + C_L L_5 L_L R_4 s^3 + C_L L_L R_4 R_5 s^2 + 2L_5 L_L R_4 g_m s^2 + 2L_5 L_L R_5 g_m s^2 + 2L_5$$

10.58 INVALID-ORDER-58 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s+R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_5 C_L L_5 L_L R_4 R_5 g_m s^4 + 2C_5 C_L L_5 L_L R_5 s^4 + 2C_5 C_L L_5 R_4 R_5 R_L g_m s^3 + C_5 C_L L_5 R_4 R_5 s^3 + 2C_5 C_L L_5 R_5 R_L s^3 + 2C_5 L_5 R_4 R_5 g_m s^2 + 2C_5 L_5 R_5 s^2 + 2C_L L_5 L_L R_4 g_m s^3 + 2C$$

10.59 INVALID-ORDER-59 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_4 R_L s\left(-C_5 L_5 R_5\right.}{C_5 C_L L_5 L_L R_4 R_5 R_L s^4 + 2C_5 L_5 L_L R_4 R_5 R_L g_m s^3 + C_5 L_5 L_L R_4 R_5 s^3 + 2C_5 L_5 L_L R_5 R_L s^3 + C_5 L_5 R_4 R_5 R_L s^2 + C_L L_5 L_L R_4 R_5 R_L g_m s^3 + C_L L_5 L_L R_4 R_L s^3 + C_L L_L R_4 R_5 R_L s^2$$

10.60 INVALID-ORDER-60 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$

$$H(s) = -\frac{}{2C_5 C_L L_5 L_L R_4 R_5 R_L g_m s^4 + C_5 C_L L_5 L_L R_4 R_5 s^4 + 2C_5 C_L L_5 L_L R_5 R_L s^4 + 2C_5 L_5 L_L R_4 R_5 g_m s^3 + 2C_5 L_5 L_L R_5 s^3 + 2C_5 L_5 R_4 R_5 R_L g_m s^2 + C_5 L_5 R_4 R_5 s^2 + 2C_5 L_5 R_5 R_L s^2 -$$

10.61 INVALID-ORDER-61 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_5C_LL_5L_LR_4R_5R_Lg_ms^4 + C_5C_LL_5L_LR_4R_5s^4 + 2C_5C_LL_5L_LR_5R_Ls^4 + C_5C_LL_5R_4R_5R_Ls^3 + 2C_5L_5R_4R_5R_Lg_ms^2 + C_5L_5R_4R_5s^2 + 2C_5L_5R_5R_Ls^2 + C_LL_5L_LR_4R_5g_m$$

10.62 INVALID-ORDER-62 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5L_5s^2+1} + R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{C_5C_LL_5R_4R_5g_ms^3 + C_5C_LL_5R_4s^3 + 2C_5L_5R_4g_ms^2 + 2C_5L_5R_5g_ms^2 + 2C_5L_5s^2 + C_LL_5R_4g_ms^2 + C_LR_4R_5g_ms + C_LR_4s + 2L_5g_ms + 2R_4g_m + 2R_5g_m + 2}$$

10.63 INVALID-ORDER-63 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5L_5s^2+1} + R_5,\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{R_4R_L\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{C_5C_LL_5R_4R_5R_Lg_ms^3 + C_5C_LL_5R_4R_Ls^3 + C_5L_5R_4R_5g_ms^2 + 2C_5L_5R_4R_Lg_ms^2 + C_5L_5R_4s^2 + 2C_5L_5R_5R_Lg_ms^2 + 2C_5L_5R_Ls^2 + C_LL_5R_4R_Lg_ms^2 + C_LR_4R_5R_Lg_ms + C$$

10.64 INVALID-ORDER-64 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5L_5s^2+1} + R_5,\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(C_LR_Ls+1\right)\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m -\right.}{C_5C_LL_5R_4R_5g_ms^3 + 2C_5C_LL_5R_4R_Lg_ms^3 + C_5C_LL_5R_4s^3 + 2C_5C_LL_5R_5R_Lg_ms^3 + 2C_5C_LL_5R_Ls^3 + 2C_5L_5R_4g_ms^2 + 2C_5L_5R_5g_ms^2 + 2C_5L_5s^2 + C_LL_5R_4g_ms^2 + 2C_LL_5$$

10.65 INVALID-ORDER-65 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5L_5s^2+1} + R_5,\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(C_LL_Ls^2+1\right)\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m\right.}{2C_5C_LL_5L_LR_4g_ms^4 + 2C_5C_LL_5L_LR_5g_ms^4 + 2C_5C_LL_5L_Ls^4 + C_5C_LL_5R_4R_5g_ms^3 + C_5C_LL_5R_4s^3 + 2C_5L_5R_4g_ms^2 + 2C_5L_5R_5g_ms^2 + 2C_5L_5s^2 + 2C_LL_5L_Lg_ms^3 + C_LL_5$$

10.66 INVALID-ORDER-66 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L R_4 s \left(C_5 L_5 R_5 g_m s^2 - C_5 L_5 s^2 + L_5 g_m s + R_5 g_m - 1\right)}{C_5 C_L L_5 L_L R_4 R_5 g_m s^4 + C_5 C_L L_5 L_L R_4 s^4 + 2 C_5 L_5 L_L R_4 g_m s^3 + 2 C_5 L_5 L_L R_5 g_m s^3 + 2 C_5 L_5 L_L s^3 + C_5 L_5 R_4 R_5 g_m s^2 + C_5 L_5 R_4 s^2 + C_L L_5 L_L R_4 g_m s^3 + C_L L_L R_4 R_5 g_m s^2 + C$$

10.67 INVALID-ORDER-67 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4}{2 C_5 C_L L_5 L_L R_4 g_m s^4 + 2 C_5 C_L L_5 L_L R_5 g_m s^4 + 2 C_5 C_L L_5 L_L s^4 + C_5 C_L L_5 R_4 R_5 g_m s^3 + 2 C_5 C_L L_5 R_4 R_L g_m s^3 + C_5 C_L L_5 R_4 s^3 + 2 C_5 C_L L_5 R_5 R_L g_m s^3 + 2 C_5 C_L L_5 R_L s^3 + 2 C_5 L$$

10.68 INVALID-ORDER-68 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L I}{C_5 C_L L_5 L_L R_4 R_5 R_L g_m s^4 + C_5 C_L L_5 L_L R_4 R_L s^4 + C_5 L_5 L_L R_4 R_5 g_m s^3 + 2 C_5 L_5 L_L R_4 R_L g_m s^3 + C_5 L_5 L_L R_4 s^3 + 2 C_5 L_5 L_L R_5 R_L g_m s^3 + 2 C_5 L_5 L_L R_L s^3 + C_5 L_5 R_4 R_5 R_L g_m s^2$$

10.69 INVALID-ORDER-69 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{C_5 C_L L_5 L_L R_4 R_5 g_m s^4 + 2 C_5 C_L L_5 L_L R_4 R_L g_m s^4 + C_5 C_L L_5 L_L R_4 s^4 + 2 C_5 C_L L_5 L_L R_5 R_L g_m s^4 + 2 C_5 C_L L_5 L_L R_L s^4 + 2 C_5 L_5 L_L R_4 g_m s^3 + 2 C_5 L_5 L_L R_5 g_m s^3 + 2 C_5 L_5 L_L s^3 +$$

10.70 INVALID-ORDER-70 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_5 C_L L_5 L_L R_4 R_5 g_m s^4 + 2 C_5 C_L L_5 L_L R_4 R_L g_m s^4 + C_5 C_L L_5 L_L R_4 s^4 + 2 C_5 C_L L_5 L_L R_5 R_L g_m s^4 + 2 C_5 C_L L_5 L_L R_L s^4 + C_5 C_L L_5 R_4 R_5 R_L g_m s^3 + C_5 C_L L_5 R_4 R_L s^3 + C_5 L_5 R_4 R$$

10.71 INVALID-ORDER-71 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(C_5 L_5 R_5 g_m s^2 - C_5 L_5 s^2 - C_5 R_5 s + R_5 g_m - 1\right)}{C_5 C_L L_5 R_4 R_5 g_m s^3 + C_5 C_L L_5 R_4 s^3 + C_5 C_L R_4 R_5 s^2 + 2C_5 L_5 R_4 g_m s^2 + 2C_5 L_5 R_5 g_m s^2 + 2C_5 L_5 s^2 + 2C_5 R_4 R_5 g_m s + 2C_5 R_5 s + C_L R_4 R_5 g_m s + C_L R_4 s + 2R_4 g_m + 2R_5 g_m +$$

10.72 INVALID-ORDER-72 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_4 R_L\left(C_5 L_5 R_5 g_m s^2 - C_5 L_5 s^2 - C_5 R_5 s + R_5 g_m - 1\right)}{C_5 C_L L_5 R_4 R_5 R_L g_m s^3 + C_5 C_L L_5 R_4 R_L s^3 + C_5 C_L R_4 R_5 R_L s^2 + C_5 L_5 R_4 R_5 g_m s^2 + 2C_5 L_5 R_4 R_L g_m s^2 + C_5 L_5 R_4 s^2 + 2C_5 L_5 R_5 R_L g_m s^2 + 2C_5 L_5 R_L s^2 + 2C_5 R_4 R_5 R_L g_m s + C$$

10.73 INVALID-ORDER-73 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4\left(C_L R_L s+1\right)\left(-C_5 L_5 R_5 g_m s^2 + C_5 L_5\right.}{C_5 C_L L_5 R_4 R_5 g_m s^3 + 2C_5 C_L L_5 R_4 R_L g_m s^3 + C_5 C_L L_5 R_4 s^3 + 2C_5 C_L L_5 R_5 R_L g_m s^3 + 2C_5 C_L L_5 R_L s^3 + 2C_5 C_L R_4 R_5 R_L g_m s^2 + C_5 C_L R_4 R_5 s^2 + 2C_5 C_L R_5 R_L s^2 + 2C_5 L_5 R_4$$

10.74 INVALID-ORDER-74 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4\left(C_L L_L s^2+1\right)\left(-C_5 L_5 R_5 g_m s^2 + C_5 L\right.}{2C_5 C_L L_5 L_L R_4 g_m s^4 + 2C_5 C_L L_5 L_L R_5 g_m s^4 + 2C_5 C_L L_5 L_L s^4 + C_5 C_L L_5 R_4 R_5 g_m s^3 + C_5 C_L L_5 R_4 s^3 + 2C_5 C_L L_L R_4 R_5 g_m s^3 + 2C_5 C_L L_L R_5 s^3 + C_5 C_L R_4 R_5 s^2 + 2C_5 L_5 R_4 g$$

10.75 INVALID-ORDER-75 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L R_4 s\left(C_5 L_5 R_5 g_m s^2 - C_5 L_5 s^2 - C_5 R_5 s + R_5 g_m - 1\right)}{C_5 C_L L_5 L_L R_4 R_5 g_m s^4 + C_5 C_L L_5 L_L R_4 s^4 + C_5 C_L L_L R_4 R_5 s^3 + 2C_5 L_5 L_L R_4 g_m s^3 + 2C_5 L_5 L_L R_5 g_m s^3 + 2C_5 L_5 L_L s^3 + C_5 L_5 R_4 R_5 g_m s^2 + C_5 L_5 R_4 s^2 + 2C_5 L_L R_4 R_5 g_m s^2 + 2$$

10.76 INVALID-ORDER-76 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_5C_LL_5L_LR_4g_ms^4 + 2C_5C_LL_5L_LR_5g_ms^4 + 2C_5C_LL_5L_Ls^4 + C_5C_LL_5R_4R_5g_ms^3 + 2C_5C_LL_5R_4R_Lg_ms^3 + C_5C_LL_5R_4s^3 + 2C_5C_LL_5R_5R_Lg_ms^3 + 2C_5C_LL_5R_Ls^3 + 2C_5$$

10.77 INVALID-ORDER-77 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_5C_LL_5L_LR_4R_5R_Lg_ms^4 + C_5C_LL_5L_LR_4R_Ls^4 + C_5C_LL_LR_4R_5R_Ls^3 + C_5L_5L_LR_4R_5g_ms^3 + 2C_5L_5L_LR_4R_Lg_ms^3 + C_5L_5L_LR_4s^3 + 2C_5L_5L_LR_5R_Lg_ms^3 + 2C_5L_5L_LR_Ls^3$$

10.78 INVALID-ORDER-78 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{C_5C_LL_5L_LR_4R_5g_ms^4 + 2C_5C_LL_5L_LR_4R_Lg_ms^4 + C_5C_LL_5L_LR_4s^4 + 2C_5C_LL_5L_LR_5R_Lg_ms^4 + 2C_5C_LL_5L_LR_Ls^4 + 2C_5C_LL_LR_4R_5R_Lg_ms^3 + C_5C_LL_LR_4R_5s^3 + 2C_5C_L$$

10.79 INVALID-ORDER-79 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{C_5C_LL_5L_LR_4R_5g_ms^4 + 2C_5C_LL_5L_LR_4R_Lg_ms^4 + C_5C_LL_5L_LR_4s^4 + 2C_5C_LL_5L_LR_5R_Lg_ms^4 + 2C_5C_LL_5L_LR_Ls^4 + C_5C_LL_5R_4R_5R_Lg_ms^3 + C_5C_LL_5R_4R_Ls^3 + 2C_5C_LL$$

10.80 INVALID-ORDER-80 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5,\ R_L\right)$

$$H(s) = \frac{R_L\left(R_5 g_m - 1\right)}{2C_4R_5R_Lg_ms + 2C_4R_Ls + R_5g_m + 2R_Lg_m + 1}$$

10.81 INVALID-ORDER-81 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_5 g_m - 1}{2C_4 R_5 g_m s + 2C_4 s + C_L R_5 g_m s + C_L s + 2g_m}$$

10.82 INVALID-ORDER-82 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5,\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_L\left(R_5 g_m - 1\right)}{2C_4 R_5 R_L g_m s + 2C_4 R_L s + C_L R_5 R_L g_m s + C_L R_L s + R_5 g_m + 2R_L g_m + 1}$$

10.83 INVALID-ORDER-83 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5,\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(R_5 g_m - 1\right)\left(C_L L_L s^2 + 1\right)}{2C_4 C_L L_L R_5 g_m s^3 + 2C_4 C_L L_L s^3 + 2C_4 R_5 g_m s + 2C_4 s + 2C_L L_L g_m s^2 + C_L R_5 g_m s + C_L s + 2g_m}$$

10.84 INVALID-ORDER-84 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(R_5 g_m - 1\right)\left(C_L L_L s^2 + C_L R_L s + 1\right)}{2C_4 C_L L_L R_5 g_m s^3 + 2C_4 C_L L_L s^3 + 2C_4 C_L R_5 R_L g_m s^2 + 2C_4 C_L R_L s^2 + 2C_4 R_5 g_m s + 2C_4 s + 2C_L L_L g_m s^2 + C_L R_5 g_m s + 2C_L R_L g_m s + C_L s + 2g_m}$$

10.85 INVALID-ORDER-85 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{\left(R_5 g_m - 1\right)\left(C_L L_L R_L s^2 + L_L s + R_L\right)}{2C_4 C_L L_L R_5 R_L g_m s^3 + 2C_4 C_L L_L R_L s^3 + 2C_4 L_L R_5 g_m s^2 + 2C_4 L_L s^2 + 2C_4 R_5 R_L g_m s + 2C_4 R_L s + C_L L_L R_5 g_m s^2 + 2C_L L_L R_L g_m s^2 + C_L L_L s^2 + 2L_L g_m s + R_5 g_m + 2R_L g_m}$$

10.86 INVALID-ORDER-86 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{R_L\left(R_5 g_m - 1\right)\left(C_L L_L s^2 + 1\right)}{2C_4 C_L L_L R_5 R_L g_m s^3 + 2C_4 C_L L_L R_L s^3 + 2C_4 R_5 R_L g_m s + 2C_4 R_L s + C_L L_L R_5 g_m s^2 + 2C_L L_L R_L g_m s^2 + C_L L_L s^2 + C_L R_5 R_L g_m s + C_L R_L s + R_5 g_m + 2R_L g_m + 1}$$

10.87 INVALID-ORDER-87 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{-C_5 s + g_m}{s\left(2C_4C_5 s + 2C_4 g_m + C_5 C_L s + 2C_5 g_m + C_L g_m\right)}$$

10.88 INVALID-ORDER-88 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_5 s - g_m\right)\left(C_L R_L s + 1\right)}{s\left(2C_4C_5C_L R_L s^2 + 2C_4C_5 s + 2C_4C_L R_L g_m s + 2C_4 g_m + 2C_5C_L R_L g_m s + C_5C_L s + 2C_5 g_m + C_L g_m\right)}$$

10.89 INVALID-ORDER-89 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_5 s - g_m\right)\left(C_L L_L s^2 + 1\right)}{s\left(2C_4C_5C_L L_L s^3 + 2C_4C_5 s + 2C_4C_L L_L g_m s^2 + 2C_4 g_m + 2C_5C_L L_L g_m s^2 + C_5C_L s + 2C_5 g_m + C_L g_m\right)}$$

10.90 INVALID-ORDER-90 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{L_L s\left(-C_5 s + g_m\right)}{2C_4C_5L_L s^3 + 2C_4L_L g_m s^2 + C_5C_L L_L s^3 + 2C_5L_L g_m s^2 + C_5 s + C_L L_L g_m s^2 + g_m}$$

10.91 INVALID-ORDER-91 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_5 s - g_m\right)\left(C_L L_L s^2 + C_L R_L s + 1\right)}{s\left(2C_4C_5C_L L_L s^3 + 2C_4C_5C_L R_L s^2 + 2C_4C_5 s + 2C_4C_L L_L g_m s^2 + 2C_4C_L R_L g_m s + 2C_4 g_m + 2C_5C_L L_L g_m s^2 + 2C_5C_L R_L g_m s + C_5C_L s + 2C_5 g_m + C_L g_m\right)}$$

10.92 INVALID-ORDER-92 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_L s\left(-C_5 s + g_m\right)}{2C_4C_5L_L R_L s^3 + 2C_4L_L R_L g_m s^2 + C_5C_L L_L R_L s^3 + 2C_5L_L R_L g_m s^2 + C_5L_L s^2 + C_5R_L s + C_L L_L R_L g_m s^2 + L_L g_m s + R_L g_m}$$

10.93 INVALID-ORDER-93 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{(C_5 s - g_m)\left(C_L L_L R_L s^2 + L_L s + R_L\right)}{2C_4C_5C_L L_L R_L s^4 + 2C_4C_5L_L s^3 + 2C_4C_5R_L s^2 + 2C_4C_L L_L R_L g_m s^3 + 2C_4 L_L g_m s^2 + 2C_4 R_L g_m s + 2C_5C_L L_L R_L g_m s^3 + C_5 C_L L_L s^3 + 2C_5 L_L g_m s^2 + 2C_5 R_L g_m s + C_5 s + }$$

10.94 INVALID-ORDER-94 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = -\frac{R_L\,(C_5 s - g_m)\left(C_L L_L s^2 + 1\right)}{2C_4C_5C_L L_L R_L s^4 + 2C_4C_5R_L s^2 + 2C_4C_L L_L R_L g_m s^3 + 2C_4 R_L g_m s + 2C_5C_L L_L R_L g_m s^3 + C_5 C_L L_L s^3 + C_5 C_L R_L s^2 + 2C_5 R_L g_m s + C_5 s + C_L L_L g_m s^2 + C_L R_L g_m s + g_m}$$

10.95 INVALID-ORDER-95 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_L R_L s + 1)\,(C_5 R_5 s - R_5 g_m + 1)}{2C_4C_5C_L R_5 R_L s^3 + 2C_4C_5R_5 s^2 + 2C_4C_L R_5 R_L g_m s^2 + 2C_4C_L R_L s^2 + 2C_4 R_5 g_m s + 2C_4 s + 2C_5C_L R_5 R_L g_m s^2 + C_5 C_L R_5 s^2 + 2C_5 R_5 g_m s + C_L R_5 g_m s + 2C_L R_L g_m s + C_L}$$

10.96 INVALID-ORDER-96 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_L L_L s^2 + 1\right)(C_5 R_5 s - R_5 g_m + 1)}{2C_4C_5C_L L_L R_5 s^4 + 2C_4C_5R_5 s^2 + 2C_4C_L L_L R_5 g_m s^3 + 2C_4C_L L_L s^3 + 2C_4 R_5 g_m s + 2C_4 s + 2C_5C_L L_L R_5 g_m s^3 + C_5 C_L R_5 s^2 + 2C_5 R_5 g_m s + 2C_L L_L g_m s^2 + C_L R_5 g_m s + C_L}$$

10.97 INVALID-ORDER-97 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L s\,(-C_5 R_5 s + R_5 g_m - 1)}{2C_4C_5L_L R_5 s^3 + 2C_4 L_L R_5 g_m s^2 + 2C_4 L_L s^2 + C_5 C_L L_L R_5 s^3 + 2C_5 L_L R_5 g_m s^2 + C_5 R_5 s + C_L L_L R_5 g_m s^2 + C_L L_L s^2 + 2L_L g_m s + R_5 g_m + 1}$$

10.98 INVALID-ORDER-98 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_5 R_5 s - R_5 g_m + 1)\left(C_L L_L s^2 + C_L R_L s + 1\right)}{2C_4C_5C_L L_L R_5 s^4 + 2C_4C_5C_L R_5 R_L s^3 + 2C_4C_5 R_5 s^2 + 2C_4C_L L_L R_5 g_m s^3 + 2C_4C_L L_L s^3 + 2C_4C_L R_5 R_L g_m s^2 + 2C_4C_L R_L s^2 + 2C_4 R_5 g_m s + 2C_4 s + 2C_5C_L L_L R_5 g_m s^3 + 2}$$

10.99 INVALID-ORDER-99 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_L s\left(-C_5 R_5 s + R_5 g_m - 1\right)}{2C_4C_5L_L R_5 R_L s^3 + 2C_4 L_L R_5 R_L g_m s^2 + 2C_4 L_L R_L s^2 + C_5C_L L_L R_5 R_L s^3 + 2C_5 L_L R_5 R_L g_m s^2 + C_5 L_L R_5 s^2 + C_5 R_5 R_L s + C_L L_L R_5 R_L g_m s^2 + C_L L_L R_L s^2 + L_L R_5 g_m s + 2L}$$

10.100 INVALID-ORDER-100 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{(C_5 R_5 s - R_5 g_m + 1)\left(C_L L_L R_L s^2 +\right.}{2C_4C_5C_L L_L R_5 R_L s^4 + 2C_4C_5 L_L R_5 s^3 + 2C_4C_5 R_5 R_L s^2 + 2C_4C_L L_L R_5 R_L g_m s^3 + 2C_4C_L L_L R_L s^3 + 2C_4 L_L R_5 g_m s^2 + 2C_4 L_L s^2 + 2C_4 R_5 R_L g_m s + 2C_4 R_L s + 2C_5C_L L_L R_5}$$

10.101 INVALID-ORDER-101 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = -\frac{R_L\left(C_L L_L s^2 + 1\right)(C_5 R_5 s - R_5 g_m + 1)}{2C_4C_5C_L L_L R_5 R_L s^4 + 2C_4C_5 R_5 R_L s^2 + 2C_4C_L L_L R_5 R_L g_m s^3 + 2C_4C_L L_L R_L s^3 + 2C_4 R_5 R_L g_m s + 2C_4 R_L s + 2C_5C_L L_L R_5 R_L g_m s^3 + C_5C_L L_L R_5 s^3 + C_5C_L R_5 R_L s^2 + 2C}$$

10.102 INVALID-ORDER-102 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{C_5 R_5 g_m s - C_5 s + g_m}{s\left(2C_4C_5 R_5 g_m s + 2C_4C_5 s + 2C_4 g_m + C_5C_L R_5 g_m s + C_5C_L s + 2C_5 g_m + C_L g_m\right)}$$

10.103 INVALID-ORDER-103 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(C_L R_L s + 1)\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{s\left(2C_4 C_5 C_L R_5 R_L g_m s^2 + 2C_4 C_5 C_L R_L s^2 + 2C_4 C_5 R_5 g_m s + 2C_4 C_5 s + 2C_4 C_L R_L g_m s + 2C_4 g_m + C_5 C_L R_5 g_m s + 2C_5 C_L R_L g_m s + C_5 C_L s + 2C_5 g_m + C_L g_m\right)}$$

10.104 INVALID-ORDER-104 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_L L_L s^2 + 1\right)\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{s\left(2C_4 C_5 C_L L_L R_5 g_m s^3 + 2C_4 C_5 C_L L_L s^3 + 2C_4 C_5 R_5 g_m s + 2C_4 C_5 s + 2C_4 C_L L_L g_m s^2 + 2C_4 g_m + 2C_5 C_L L_L g_m s^2 + C_5 C_L R_5 g_m s + C_5 C_L s + 2C_5 g_m + C_L g_m\right)}$$

10.105 INVALID-ORDER-105 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{L_L s\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4 C_5 L_L R_5 g_m s^3 + 2C_4 C_5 L_L s^3 + 2C_4 L_L g_m s^2 + C_5 C_L L_L R_5 g_m s^3 + C_5 C_L L_L s^3 + 2C_5 L_L g_m s^2 + C_5 R_5 g_m s + C_5 s + C_L L_L g_m s^2 + g_m}$$

10.106 INVALID-ORDER-106 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_L L_L s^2 + C_L R_L s + 1\right)\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{s\left(2C_4 C_5 C_L L_L R_5 g_m s^3 + 2C_4 C_5 C_L L_L s^3 + 2C_4 C_5 C_L R_5 R_L g_m s^2 + 2C_4 C_5 C_L R_L s^2 + 2C_4 C_5 R_5 g_m s + 2C_4 C_5 s + 2C_4 C_L L_L g_m s^2 + 2C_4 C_L R_L g_m s + 2C_4 g_m + 2C_5 C_L L_L g_m s^2 +$$

10.107 INVALID-ORDER-107 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_L s\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4 C_5 L_L R_5 R_L g_m s^3 + 2C_4 C_5 L_L R_L s^3 + 2C_4 L_L R_L g_m s^2 + C_5 C_L L_L R_5 R_L g_m s^3 + C_5 C_L L_L R_L s^3 + C_5 L_L R_5 g_m s^2 + 2C_5 L_L R_L g_m s^2 + C_5 L_L s^2 + C_5 R_5 R_L g_m s + C_5 R_L s + C_L$$

10.108 INVALID-ORDER-108 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = \frac{\left(C_5 R_5 g_m s - C_5 s + g_m\right)\left(C_L L_L R_L s^2 + L_L s + R_L\right)}{2C_4 C_5 C_L L_L R_5 R_L g_m s^4 + 2C_4 C_5 C_L L_L R_L s^4 + 2C_4 C_5 L_L R_5 g_m s^3 + 2C_4 C_5 L_L s^3 + 2C_4 C_5 R_5 R_L g_m s^2 + 2C_4 C_5 R_L s^2 + 2C_4 C_L L_L R_L g_m s^3 + 2C_4 L_L g_m s^2 + 2C_4 R_L g_m s + C_5 C_L$$

10.109 INVALID-ORDER-109 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{R_L\left(C_L L_L s^2 + 1\right)\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5C_L L_L R_5 R_L g_m s^4 + 2C_4C_5C_L L_L R_L s^4 + 2C_4C_5R_5R_L g_m s^2 + 2C_4C_5R_L s^2 + 2C_4C_L L_L R_L g_m s^3 + 2C_4R_L g_m s + C_5C_L L_L R_5 g_m s^3 + 2C_5C_L L_L R_L g_m s^3 + C_5C_L L_L s^3 +$$

10.110 INVALID-ORDER-110 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{2C_4C_5L_5R_L g_m s^3 + 2C_4C_5R_L s^2 + 2C_4R_L g_m s + C_5L_5 g_m s^2 + 2C_5R_L g_m s + C_5 s + g_m}$$

10.111 INVALID-ORDER-111 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{C_5 L_5 g_m s^2 - C_5 s + g_m}{s\left(2C_4C_5L_5 g_m s^2 + 2C_4C_5 s + 2C_4 g_m + C_5C_L L_5 g_m s^2 + C_5C_L s + 2C_5 g_m + C_L g_m\right)}$$

10.112 INVALID-ORDER-112 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = \frac{R_L\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{2C_4C_5L_5R_L g_m s^3 + 2C_4C_5R_L s^2 + 2C_4R_L g_m s + C_5C_L L_5 R_L g_m s^3 + C_5C_L R_L s^2 + C_5L_5 g_m s^2 + 2C_5R_L g_m s + C_5 s + C_L R_L g_m s + g_m}$$

10.113 INVALID-ORDER-113 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_L R_L s + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{s\left(2C_4C_5C_L L_5 R_L g_m s^3 + 2C_4C_5C_L R_L s^2 + 2C_4C_5L_5 g_m s^2 + 2C_4C_5 s + 2C_4C_L R_L g_m s + 2C_4 g_m + C_5C_L L_5 g_m s^2 + 2C_5C_L R_L g_m s + C_5C_L s + 2C_5 g_m + C_L g_m\right)}$$

10.114 INVALID-ORDER-114 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_L L_L s^2 + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{s\left(2C_4 C_5 C_L L_5 L_L g_m s^4 + 2C_4 C_5 C_L L_L s^3 + 2C_4 C_5 L_5 g_m s^2 + 2C_4 C_5 s + 2C_4 C_L L_L g_m s^2 + 2C_4 g_m + C_5 C_L L_5 g_m s^2 + 2C_5 C_L L_L g_m s^2 + C_5 C_L s + 2C_5 g_m + C_L g_m\right)}$$

10.115 INVALID-ORDER-115 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{L_L s\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{2C_4 C_5 L_5 L_L g_m s^4 + 2C_4 C_5 L_L s^3 + 2C_4 L_L g_m s^2 + C_5 C_L L_5 L_L g_m s^4 + C_5 C_L L_L s^3 + C_5 L_5 g_m s^2 + 2C_5 L_L g_m s^2 + C_5 s + C_L L_L g_m s^2 + g_m}$$

10.116 INVALID-ORDER-116 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_L L_L s^2 + C_L R_L s + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{s\left(2C_4 C_5 C_L L_5 L_L g_m s^4 + 2C_4 C_5 C_L L_5 R_L g_m s^3 + 2C_4 C_5 C_L L_L s^3 + 2C_4 C_5 C_L R_L s^2 + 2C_4 C_5 L_5 g_m s^2 + 2C_4 C_5 s + 2C_4 C_L L_L g_m s^2 + 2C_4 C_L R_L g_m s + 2C_4 g_m + C_5 C_L L_5 g_m s^2 +\right.}$$

10.117 INVALID-ORDER-117 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_L s\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{2C_4 C_5 L_5 L_L R_L g_m s^4 + 2C_4 C_5 L_L R_L s^3 + 2C_4 L_L R_L g_m s^2 + C_5 C_L L_5 L_L R_L g_m s^4 + C_5 C_L L_L R_L s^3 + C_5 L_5 L_L g_m s^3 + C_5 L_5 R_L g_m s^2 + 2C_5 L_L R_L g_m s^2 + C_5 L_L s^2 + C_5 R_L s + C_L}$$

10.118 INVALID-ORDER-118 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = \frac{\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)\left(C_L L_L R_L s^2 + L_L s + R_L\right)}{2C_4 C_5 C_L L_5 L_L R_L g_m s^5 + 2C_4 C_5 C_L L_L R_L s^4 + 2C_4 C_5 L_5 L_L g_m s^4 + 2C_4 C_5 L_5 R_L g_m s^3 + 2C_4 C_5 L_L s^3 + 2C_4 C_5 R_L s^2 + 2C_4 C_L L_L R_L g_m s^3 + 2C_4 L_L g_m s^2 + 2C_4 R_L g_m s + C_5 C_L}$$

10.119 INVALID-ORDER-119 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{R_L\left(C_L L_L s^2 + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{2C_4C_5C_L L_5 L_L R_L g_m s^5 + 2C_4C_5C_L L_L R_L s^4 + 2C_4C_5 L_5 R_L g_m s^3 + 2C_4C_5 R_L s^2 + 2C_4C_L L_L R_L g_m s^3 + 2C_4 R_L g_m s + C_5C_L L_5 L_L g_m s^4 + C_5C_L L_5 R_L g_m s^3 + 2C_5C_L L_L R_L g_m$$

10.120 INVALID-ORDER-120 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1},\ R_L\right)$

$$H(s) = \frac{R_L\left(-C_5 L_5 s^2 + L_5 g_m s - 1\right)}{2C_4C_5 L_5 R_L s^3 + 2C_4 L_5 R_L g_m s^2 + 2C_4 R_L s + 2C_5 L_5 R_L g_m s^2 + C_5 L_5 s^2 + L_5 g_m s + 2R_L g_m + 1}$$

10.121 INVALID-ORDER-121 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{-C_5 L_5 s^2 + L_5 g_m s - 1}{2C_4C_5 L_5 s^3 + 2C_4 L_5 g_m s^2 + 2C_4 s + C_5C_L L_5 s^3 + 2C_5 L_5 g_m s^2 + C_L L_5 g_m s^2 + C_L s + 2g_m}$$

10.122 INVALID-ORDER-122 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1},\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = \frac{R_L\left(-C_5 L_5 s^2 + L_5 g_m s - 1\right)}{2C_4C_5 L_5 R_L s^3 + 2C_4 L_5 R_L g_m s^2 + 2C_4 R_L s + C_5C_L L_5 R_L s^3 + 2C_5 L_5 R_L g_m s^2 + C_5 L_5 s^2 + C_L L_5 R_L g_m s^2 + C_L R_L s + L_5 g_m s + 2R_L g_m + 1}$$

10.123 INVALID-ORDER-123 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_L R_L s + 1\right)\left(C_5 L_5 s^2 - L_5 g_m s + 1\right)}{2C_4C_5C_L L_5 R_L s^4 + 2C_4C_5 L_5 s^3 + 2C_4C_L L_5 R_L g_m s^3 + 2C_4C_L R_L s^2 + 2C_4 L_5 g_m s^2 + 2C_4 s + 2C_5C_L L_5 R_L g_m s^3 + C_5C_L L_5 s^3 + 2C_5 L_5 g_m s^2 + C_L L_5 g_m s^2 + 2C_L R_L g_m s + C$$

10.124 INVALID-ORDER-124 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_L L_L s^2+1\right)\left(C_5 L_5 s^2 - L_5 g_m s + 1\right)}{2C_4C_5C_L L_5 L_L s^5 + 2C_4C_5 L_5 s^3 + 2C_4C_L L_5 L_L g_m s^4 + 2C_4C_L L_L s^3 + 2C_4 L_5 g_m s^2 + 2C_4 s + 2C_5C_L L_5 L_L g_m s^4 + C_5C_L L_5 s^3 + 2C_5 L_5 g_m s^2 + C_L L_5 g_m s^2 + 2C_L L_L g_m s^2 + C}$$

10.125 INVALID-ORDER-125 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L s\left(-C_5 L_5 s^2 + L_5 g_m s - 1\right)}{2C_4C_5 L_5 L_L s^4 + 2C_4 L_5 L_L g_m s^3 + 2C_4 L_L s^2 + C_5C_L L_5 L_L s^4 + 2C_5 L_5 L_L g_m s^3 + C_5 L_5 s^2 + C_L L_5 L_L g_m s^3 + C_L L_L s^2 + L_5 g_m s + 2L_L g_m s + 1}$$

10.126 INVALID-ORDER-126 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_5 L_5 s^2 - L_5 g_m s + 1\right)\left(C_L L_L s^2 + C_L R_L s + 1\right)}{2C_4C_5C_L L_5 L_L s^5 + 2C_4C_5C_L L_5 R_L s^4 + 2C_4C_5 L_5 s^3 + 2C_4C_L L_5 L_L g_m s^4 + 2C_4C_L L_5 R_L g_m s^3 + 2C_4C_L L_L s^3 + 2C_4C_L R_L s^2 + 2C_4 L_5 g_m s^2 + 2C_4 s + 2C_5C_L L_5 L_L g_m s^4 + 2C}$$

10.127 INVALID-ORDER-127 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_L s\left(-C_5 L_5 s^2 + L_5 g_m s - 1\right)}{2C_4C_5 L_5 L_L R_L s^4 + 2C_4 L_5 L_L R_L g_m s^3 + 2C_4 L_L R_L s^2 + C_5C_L L_5 L_L R_L s^4 + 2C_5 L_5 L_L R_L g_m s^3 + C_5 L_5 L_L s^3 + C_5 L_5 R_L s^2 + C_L L_5 L_L R_L g_m s^3 + C_L L_L R_L s^2 + L_5 L_L g_m s^2 + L}$$

10.128 INVALID-ORDER-128 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{\left(C_5 L_5 s^2 - L_5 g_m s + 1\right)\left(C_L L_L R_L s\right.}{2C_4C_5C_L L_5 L_L R_L s^5 + 2C_4C_5 L_5 L_L s^4 + 2C_4C_5 L_5 R_L s^3 + 2C_4C_L L_5 L_L R_L g_m s^4 + 2C_4C_L L_L R_L s^3 + 2C_4 L_5 L_L g_m s^3 + 2C_4 L_5 R_L g_m s^2 + 2C_4 L_L s^2 + 2C_4 R_L s + 2C_5C_L L_5 L_L$$

10.129 INVALID-ORDER-129 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{R_L\left(C_L L_L s^2+1\right)\left(C_5 L_5 s^2 - L_5 g_m s + 1\right)}{2C_4C_5C_L L_5 L_L R_L s^5 + 2C_4C_5 L_5 R_L s^3 + 2C_4C_L L_5 L_L R_L g_m s^4 + 2C_4C_L L_L R_L s^3 + 2C_4 L_5 R_L g_m s^2 + 2C_4 R_L s + 2C_5C_L L_5 L_L R_L g_m s^4 + C_5C_L L_5 L_L s^4 + C_5C_L L_5 R_L s^3 + 2C}$$

10.130 INVALID-ORDER-130 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5 L_5 R_L g_m s^3 + 2C_4C_5 R_5 R_L g_m s^2 + 2C_4C_5 R_L s^2 + 2C_4 R_L g_m s + C_5 L_5 g_m s^2 + C_5 R_5 g_m s + 2C_5 R_L g_m s + C_5 s + g_m}$$

10.131 INVALID-ORDER-131 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m}{s\left(2C_4C_5 L_5 g_m s^2 + 2C_4C_5 R_5 g_m s + 2C_4C_5 s + 2C_4 g_m + C_5C_L L_5 g_m s^2 + C_5C_L R_5 g_m s + C_5C_L s + 2C_5 g_m + C_L g_m\right)}$$

10.132 INVALID-ORDER-132 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_L\left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5 L_5 R_L g_m s^3 + 2C_4C_5 R_5 R_L g_m s^2 + 2C_4C_5 R_L s^2 + 2C_4 R_L g_m s + C_5C_L L_5 R_L g_m s^3 + C_5C_L R_5 R_L g_m s^2 + C_5C_L R_L s^2 + C_5 L_5 g_m s^2 + C_5 R_5 g_m s + 2C_5 R_L g_m s + C_5 s + C_L}$$

10.133 INVALID-ORDER-133 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_L R_L s+1\right)\left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{s\left(2C_4C_5C_L L_5 R_L g_m s^3 + 2C_4C_5C_L R_5 R_L g_m s^2 + 2C_4C_5C_L R_L s^2 + 2C_4C_5 L_5 g_m s^2 + 2C_4C_5 R_5 g_m s + 2C_4C_5 s + 2C_4C_L R_L g_m s + 2C_4 g_m + C_5C_L L_5 g_m s^2 + C_5C_L R_5 g_m s + 2C\right.}$$

10.134 INVALID-ORDER-134 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_L L_L s^2 + 1\right)\left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{s\left(2C_4 C_5 C_L L_5 L_L g_m s^4 + 2C_4 C_5 C_L L_L R_5 g_m s^3 + 2C_4 C_5 C_L L_L s^3 + 2C_4 C_5 L_5 g_m s^2 + 2C_4 C_5 R_5 g_m s + 2C_4 C_5 s + 2C_4 C_L L_L g_m s^2 + 2C_4 g_m + C_5 C_L L_5 g_m s^2 + 2C_5 C_L L_L g_m s^2 +\right.}$$

10.135 INVALID-ORDER-135 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{L_L s\left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4 C_5 L_5 L_L g_m s^4 + 2C_4 C_5 L_L R_5 g_m s^3 + 2C_4 C_5 L_L s^3 + 2C_4 L_L g_m s^2 + C_5 C_L L_5 L_L g_m s^4 + C_5 C_L L_L R_5 g_m s^3 + C_5 C_L L_L s^3 + C_5 L_5 g_m s^2 + 2C_5 L_L g_m s^2 + C_5 R_5 g_m s + C_5 s + C_L}$$

10.136 INVALID-ORDER-136 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_L L_L s^2 + C_L R_L s + 1\right)\left(C_5 L_5 g_m s^2 + C_5 R_5 g_m\right.}{s\left(2C_4 C_5 C_L L_5 L_L g_m s^4 + 2C_4 C_5 C_L L_5 R_L g_m s^3 + 2C_4 C_5 C_L L_L R_5 g_m s^3 + 2C_4 C_5 C_L L_L L_5 s^3 + 2C_4 C_5 C_L R_5 R_L g_m s^2 + 2C_4 C_5 C_L R_L s^2 + 2C_4 C_5 L_5 g_m s^2 + 2C_4 C_5 R_5 g_m s + 2C_4 C_5 s\right.}$$

10.137 INVALID-ORDER-137 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_L s\left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4 C_5 L_5 L_L R_L g_m s^4 + 2C_4 C_5 L_L R_5 R_L g_m s^3 + 2C_4 C_5 L_L R_L s^3 + 2C_4 L_L R_L g_m s^2 + C_5 C_L L_5 L_L R_L g_m s^4 + C_5 C_L L_L R_5 R_L g_m s^3 + C_5 C_L L_L R_L s^3 + C_5 L_5 L_L g_m s^3 + C_5 L_5 R_L g_m}$$

10.138 INVALID-ORDER-138 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = \frac{\left(C_L L_L R_L s\right.}{2C_4 C_5 C_L L_5 L_L R_L g_m s^5 + 2C_4 C_5 C_L L_L R_5 R_L g_m s^4 + 2C_4 C_5 C_L L_L R_L s^4 + 2C_4 C_5 L_5 L_L g_m s^4 + 2C_4 C_5 L_5 R_L g_m s^3 + 2C_4 C_5 L_L R_5 g_m s^3 + 2C_4 C_5 L_L s^3 + 2C_4 C_5 R_5 R_L g_m s^2 + 2C$$

10.139 INVALID-ORDER-139 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{R_L\left(C_L L_L s^2 + 1\right.}{2C_4C_5C_LL_5L_LR_Lg_ms^5 + 2C_4C_5C_LL_LR_5R_Lg_ms^4 + 2C_4C_5C_LL_LR_Ls^4 + 2C_4C_5L_5R_Lg_ms^3 + 2C_4C_5R_5R_Lg_ms^2 + 2C_4C_5R_Ls^2 + 2C_4C_LL_LR_Lg_ms^3 + 2C_4R_Lg_ms + C_5C_LL_5}$$

10.140 INVALID-ORDER-140 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L\right)$

$$H(s) = \frac{R_L\left(-C_5L_5R_5s^2 + L_5R_5g_ms - L_5s - R_5\right)}{2C_4C_5L_5R_5R_Ls^3 + 2C_4L_5R_5R_Lg_ms^2 + 2C_4L_5R_Ls^2 + 2C_4R_5R_Ls + 2C_5L_5R_5R_Lg_ms^2 + C_5L_5R_5s^2 + L_5R_5g_ms + 2L_5R_Lg_ms + L_5s + 2R_5R_Lg_m + R_5}$$

10.141 INVALID-ORDER-141 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{-C_5L_5R_5s^2 + L_5R_5g_ms - L_5s - R_5}{2C_4C_5L_5R_5s^3 + 2C_4L_5R_5g_ms^2 + 2C_4L_5s^2 + 2C_4R_5s + C_5C_LL_5R_5s^3 + 2C_5L_5R_5g_ms^2 + C_LL_5R_5g_ms^2 + C_LL_5s^2 + C_LR_5s + 2L_5g_ms + 2R_5g_m}$$

10.142 INVALID-ORDER-142 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = \frac{R_L\left(-C_5L_5R_5s^2 + L_5R_5g_ms - L_5s - R_5\right)}{2C_4C_5L_5R_5R_Ls^3 + 2C_4L_5R_5R_Lg_ms^2 + 2C_4L_5R_Ls^2 + 2C_4R_5R_Ls + C_5C_LL_5R_5R_Ls^3 + 2C_5L_5R_5R_Lg_ms^2 + C_5L_5R_5s^2 + C_LL_5R_5R_Lg_ms^2 + C_LL_5R_Ls^2 + C_LR_5R_Ls + L_5}$$

10.143 INVALID-ORDER-143 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_LR_Ls + 1)\left(C_5L_5R_5s^2 - L_5R_5g_ms + L_5s + R_5\right)}{2C_4C_5C_LL_5R_5R_Ls^4 + 2C_4C_5L_5R_5s^3 + 2C_4C_LL_5R_5R_Lg_ms^3 + 2C_4C_LL_5R_Ls^3 + 2C_4C_LR_5R_Ls^2 + 2C_4L_5R_5g_ms^2 + 2C_4L_5s^2 + 2C_4R_5s + 2C_5C_LL_5R_5R_Lg_ms^3 + C_5C_LL_5}$$

10.144 INVALID-ORDER-144 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_L L_L s^2+1\right)\left(C_5 L_5 R_5 s^2 - L_5 R_5 g_m s + L_5 s + R_5\right)}{2C_4C_5C_L L_5 L_L R_5 s^5 + 2C_4C_5 L_5 R_5 s^3 + 2C_4C_L L_5 L_L R_5 g_m s^4 + 2C_4C_L L_5 L_L s^4 + 2C_4C_L L_L R_5 s^3 + 2C_4 L_5 R_5 g_m s^2 + 2C_4 L_5 s^2 + 2C_4 R_5 s + 2C_5 C_L L_5 L_L R_5 g_m s^4 + C_5 C_L L_5}$$

10.145 INVALID-ORDER-145 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L s\left(-C_5 L_5 R_5 s^2 + L_5 R_5 g_m s - L_5 s - R_5\right)}{2C_4C_5 L_5 L_L R_5 s^4 + 2C_4 L_5 L_L R_5 g_m s^3 + 2C_4 L_5 L_L s^3 + 2C_4 L_L R_5 s^2 + C_5 C_L L_5 L_L R_5 s^4 + 2C_5 L_5 L_L R_5 g_m s^3 + C_5 L_5 R_5 s^2 + C_L L_5 L_L R_5 g_m s^3 + C_L L_5 L_L s^3 + C_L L_L R_5 s^2 + 2L_5}$$

10.146 INVALID-ORDER-146 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_L L_5 L_L R_5 s^5 + 2C_4C_5C_L L_5 R_5 R_L s^4 + 2C_4C_5 L_5 R_5 s^3 + 2C_4C_L L_5 L_L R_5 g_m s^4 + 2C_4C_L L_5 L_L s^4 + 2C_4C_L L_5 R_5 R_L g_m s^3 + 2C_4C_L L_5 R_L s^3 + 2C_4C_L L_L R_5 s^3 + 2C_4C_L}$$

10.147 INVALID-ORDER-147 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_L s\left(-C_5 L_5 R_5 s^2 + L_5 R_5 g_m s -\right.}{2C_4C_5 L_5 L_L R_5 R_L s^4 + 2C_4 L_5 L_L R_5 R_L g_m s^3 + 2C_4 L_5 L_L R_L s^3 + 2C_4 L_L R_5 R_L s^2 + C_5 C_L L_5 L_L R_5 R_L s^4 + 2C_5 L_5 L_L R_5 R_L g_m s^3 + C_5 L_5 L_L R_5 s^3 + C_5 L_5 R_5 R_L s^2 + C_L L_5 L_L R_5}$$

10.148 INVALID-ORDER-148 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_L L_5 L_L R_5 R_L s^5 + 2C_4C_5 L_5 L_L R_5 s^4 + 2C_4C_5 L_5 R_5 R_L s^3 + 2C_4C_L L_5 L_L R_5 R_L g_m s^4 + 2C_4C_L L_5 L_L R_L s^4 + 2C_4C_L L_L R_5 R_L s^3 + 2C_4 L_5 L_L R_5 g_m s^3 + 2C_4 L_5 L_L s^3 + 2}$$

10.149 INVALID-ORDER-149 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_5R_Ls^5 + 2C_4C_5L_5R_5R_Ls^3 + 2C_4C_LL_5L_LR_5R_Lg_ms^4 + 2C_4C_LL_5L_LR_Ls^4 + 2C_4C_LL_LR_5R_Ls^3 + 2C_4L_5R_5R_Lg_ms^2 + 2C_4L_5R_Ls^2 + 2C_4R_5R_Ls + 2C_5C_L$$

10.150 INVALID-ORDER-150 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ R_L\right)$

$$H(s) = \frac{R_L\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{2C_4C_5L_5R_5R_Lg_ms^3 + 2C_4C_5L_5R_Ls^3 + 2C_4L_5R_Lg_ms^2 + 2C_4R_5R_Lg_ms + 2C_4R_Ls + C_5L_5R_5g_ms^2 + 2C_5L_5R_Lg_ms^2 + C_5L_5s^2 + L_5g_ms + R_5g_m + 2R_Lg_m + 1}$$

10.151 INVALID-ORDER-151 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1}{2C_4C_5L_5R_5g_ms^3 + 2C_4C_5L_5s^3 + 2C_4L_5g_ms^2 + 2C_4R_5g_ms + 2C_4s + C_5C_LL_5R_5g_ms^3 + C_5C_LL_5s^3 + 2C_5L_5g_ms^2 + C_LL_5g_ms^2 + C_LR_5g_ms + C_Ls + 2g_m}$$

10.152 INVALID-ORDER-152 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = \frac{R_L\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{2C_4C_5L_5R_5R_Lg_ms^3 + 2C_4C_5L_5R_Ls^3 + 2C_4L_5R_Lg_ms^2 + 2C_4R_5R_Lg_ms + 2C_4R_Ls + C_5C_LL_5R_5R_Lg_ms^3 + C_5C_LL_5R_Ls^3 + C_5L_5R_5g_ms^2 + 2C_5L_5R_Lg_ms^2 + C_5L_5s^2 + C_L$$

10.153 INVALID-ORDER-153 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(C_LR_Ls + 1)\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m\right.}{2C_4C_5C_LL_5R_5R_Lg_ms^4 + 2C_4C_5C_LL_5R_Ls^4 + 2C_4C_5L_5R_5g_ms^3 + 2C_4C_5L_5s^3 + 2C_4C_LL_5R_Lg_ms^3 + 2C_4C_LR_5R_Lg_ms^2 + 2C_4C_LR_Ls^2 + 2C_4L_5g_ms^2 + 2C_4R_5g_ms + 2C_4s +$$

10.154 INVALID-ORDER-154 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_L L_L s^2 + 1\right)\left(C_5 L_5 R_5 g_m s^2 - C_5 L_5 s^2 + L_5 g_m s + R_5 g_m \right.}{2C_4 C_5 C_L L_5 L_L R_5 g_m s^5 + 2C_4 C_5 C_L L_5 L_L s^5 + 2C_4 C_5 L_5 R_5 g_m s^3 + 2C_4 C_5 L_5 s^3 + 2C_4 C_L L_5 L_L g_m s^4 + 2C_4 C_L L_L R_5 g_m s^3 + 2C_4 C_L L_L s^3 + 2C_4 L_5 g_m s^2 + 2C_4 R_5 g_m s + 2C_4 s + }$$

10.155 INVALID-ORDER-155 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L s\left(C_5 L_5 R_5 g_m s^2 - C_5 L_5 s^2 + L_5 g_m s + R_5 g_m - 1\right)}{2C_4 C_5 L_5 L_L R_5 g_m s^4 + 2C_4 C_5 L_5 L_L s^4 + 2C_4 L_5 L_L g_m s^3 + 2C_4 L_L R_5 g_m s^2 + 2C_4 L_L s^2 + C_5 C_L L_5 L_L R_5 g_m s^4 + C_5 C_L L_5 L_L s^4 + 2C_5 L_5 L_L g_m s^3 + C_5 L_5 R_5 g_m s^2 + C_5 L_5 s^2 + C_L}$$

10.156 INVALID-ORDER-156 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4 C_5 C_L L_5 L_L R_5 g_m s^5 + 2C_4 C_5 C_L L_5 L_L s^5 + 2C_4 C_5 C_L L_5 R_5 R_L g_m s^4 + 2C_4 C_5 C_L L_5 R_L s^4 + 2C_4 C_5 L_5 R_5 g_m s^3 + 2C_4 C_5 L_5 s^3 + 2C_4 C_L L_5 L_L g_m s^4 + 2C_4 C_L L_5 R_L g_m s^3 + 2C_4}$$

10.157 INVALID-ORDER-157 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_L s\left(C_5 L_5 R_5 g_\right.}{2C_4 C_5 L_5 L_L R_5 R_L g_m s^4 + 2C_4 C_5 L_5 L_L R_L s^4 + 2C_4 L_5 L_L R_L g_m s^3 + 2C_4 L_L R_5 R_L g_m s^2 + 2C_4 L_L R_L s^2 + C_5 C_L L_5 L_L R_5 R_L g_m s^4 + C_5 C_L L_5 L_L R_L s^4 + C_5 L_5 L_L R_5 g_m s^3 + 2C_5 L}$$

10.158 INVALID-ORDER-158 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{2C_4 C_5 C_L L_5 L_L R_5 R_L g_m s^5 + 2C_4 C_5 C_L L_5 L_L R_L s^5 + 2C_4 C_5 L_5 L_L R_5 g_m s^4 + 2C_4 C_5 L_5 L_L s^4 + 2C_4 C_5 L_5 R_5 R_L g_m s^3 + 2C_4 C_5 L_5 R_L s^3 + 2C_4 C_L L_5 L_L R_L g_m s^4 + 2C_4 C_L L_L R_5 R_}$$

10.159 INVALID-ORDER-159 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_5L_LR_5R_Lg_ms^5 + 2C_4C_5C_LL_5L_LR_Ls^5 + 2C_4C_5L_5R_5R_Lg_ms^3 + 2C_4C_5L_5R_Ls^3 + 2C_4C_LL_5L_LR_Lg_ms^4 + 2C_4C_LL_LR_5R_Lg_ms^3 + 2C_4C_LL_LR_Ls^3 + 2C_4L_5R_Lg_ms}$$

10.160 INVALID-ORDER-160 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 - C_5R_5s + R_5g_m - 1\right)}{2C_4C_5L_5R_5R_Lg_ms^3 + 2C_4C_5L_5R_Ls^3 + 2C_4C_5R_5R_Ls^2 + 2C_4R_5R_Lg_ms + 2C_4R_Ls + C_5L_5R_5g_ms^2 + 2C_5L_5R_Lg_ms^2 + C_5L_5s^2 + 2C_5R_5R_Lg_ms + C_5R_5s + R_5g_m + 2R_Lg_m}$$

10.161 INVALID-ORDER-161 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{C_5L_5R_5g_ms^2 - C_5L_5s^2 - C_5R_5s + R_5g_m - 1}{2C_4C_5L_5R_5g_ms^3 + 2C_4C_5L_5s^3 + 2C_4C_5R_5s^2 + 2C_4R_5g_ms + 2C_4s + C_5C_LL_5R_5g_ms^3 + C_5C_LL_5s^3 + C_5C_LR_5s^2 + 2C_5L_5g_ms^2 + 2C_5R_5g_ms + C_LR_5g_ms + C_Ls + 2g_m}$$

10.162 INVALID-ORDER-162 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{R_L\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 - C_5R_5s + R_5g_m - 1\right)}{2C_4C_5L_5R_5R_Lg_ms^3 + 2C_4C_5L_5R_Ls^3 + 2C_4C_5R_5R_Ls^2 + 2C_4R_5R_Lg_ms + 2C_4R_Ls + C_5C_LL_5R_5R_Lg_ms^3 + C_5C_LL_5R_Ls^3 + C_5C_LR_5R_Ls^2 + C_5L_5R_5g_ms^2 + 2C_5L_5R_Lg_ms^2}$$

10.163 INVALID-ORDER-163 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_LR_Ls+1)\left(-C_5L_5R_5g_ms^2 + C_5L_5s\right.}{2C_4C_5C_LL_5R_5R_Lg_ms^4 + 2C_4C_5C_LL_5R_Ls^4 + 2C_4C_5C_LR_5R_Ls^3 + 2C_4C_5L_5R_5g_ms^3 + 2C_4C_5L_5s^3 + 2C_4C_5R_5s^2 + 2C_4C_LR_5R_Lg_ms^2 + 2C_4C_LR_Ls^2 + 2C_4R_5g_ms + 2C_4s}$$

10.164 INVALID-ORDER-164 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_L L_L s^2+1\right)\left(-C_5 L_5 R_5 g_m s^2+C_5 L_5\right.}{2C_4C_5C_L L_5 L_L R_5 g_m s^5+2C_4C_5C_L L_5 L_L s^5+2C_4C_5C_L L_L R_5 s^4+2C_4C_5 L_5 R_5 g_m s^3+2C_4C_5 L_5 s^3+2C_4C_5 R_5 s^2+2C_4C_L L_L R_5 g_m s^3+2C_4 C_L L_L s^3+2C_4 R_5 g_m s+2C_4 s+}$$

10.165 INVALID-ORDER-165 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L s\left(C_5 L_5 R_5 g_m s^2-C_5 L_5 s^2-C_5 R_5 s+R_5 g_m-1\right)}{2C_4C_5 L_5 L_L R_5 g_m s^4+2C_4C_5 L_5 L_L s^4+2C_4C_5 L_L R_5 s^3+2C_4 L_L R_5 g_m s^2+2C_4 L_L s^2+C_5 C_L L_5 L_L R_5 g_m s^4+C_5 C_L L_5 L_L s^4+C_5 C_L L_L R_5 s^3+2C_5 L_5 L_L g_m s^3+C_5 L_5 R_5 g_m s^3}$$

10.166 INVALID-ORDER-166 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s+R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_L L_5 L_L R_5 g_m s^5+2C_4C_5C_L L_5 L_L s^5+2C_4C_5C_L L_5 R_5 R_L g_m s^4+2C_4C_5C_L L_5 R_L s^4+2C_4C_5C_L L_L R_5 s^4+2C_4C_5C_L R_5 R_L s^3+2C_4C_5 L_5 R_5 g_m s^3+2C_4C_5 L_5 s^3+2C}$$

10.167 INVALID-ORDER-167 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_L s\left(}{2C_4C_5 L_5 L_L R_5 R_L g_m s^4+2C_4C_5 L_5 L_L R_L s^4+2C_4C_5 L_L R_5 R_L s^3+2C_4 L_L R_5 R_L g_m s^2+2C_4 L_L R_L s^2+C_5 C_L L_5 L_L R_5 R_L g_m s^4+C_5 C_L L_5 L_L R_L s^4+C_5 C_L L_L R_5 R_L s^3+C_5 L_5}$$

10.168 INVALID-ORDER-168 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_L L_5 L_L R_5 R_L g_m s^5+2C_4C_5C_L L_5 L_L R_L s^5+2C_4C_5C_L L_L R_5 R_L s^4+2C_4C_5 L_5 L_L R_5 g_m s^4+2C_4C_5 L_5 L_L s^4+2C_4C_5 L_5 R_5 R_L g_m s^3+2C_4C_5 L_5 R_L s^3+2C_4C_5 L_L R_5 s}$$

10.169 INVALID-ORDER-169 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_5R_Lg_ms^5 + 2C_4C_5C_LL_5L_LR_Ls^5 + 2C_4C_5C_LL_LR_5R_Ls^4 + 2C_4C_5L_5R_5R_Lg_ms^3 + 2C_4C_5L_5R_Ls^3 + 2C_4C_5R_5R_Ls^2 + 2C_4C_LL_LR_5R_Lg_ms^3 + 2C_4C_LL_LR_}$$

10.170 INVALID-ORDER-170 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5,\ R_L\right)$

$$H(s) = \frac{R_4R_L\left(R_5g_m - 1\right)}{2C_4R_4R_5R_Lg_ms + 2C_4R_4R_Ls + R_4R_5g_m + 2R_4R_Lg_m + R_4 + 2R_5R_Lg_m + 2R_L}$$

10.171 INVALID-ORDER-171 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5,\ \frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(R_5g_m - 1\right)}{2C_4R_4R_5g_ms + 2C_4R_4s + C_LR_4R_5g_ms + C_LR_4s + 2R_4g_m + 2R_5g_m + 2}$$

10.172 INVALID-ORDER-172 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5,\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{R_4R_L\left(R_5g_m - 1\right)}{2C_4R_4R_5R_Lg_ms + 2C_4R_4R_Ls + C_LR_4R_5R_Lg_ms + C_LR_4R_Ls + R_4R_5g_m + 2R_4R_Lg_m + R_4 + 2R_5R_Lg_m + 2R_L}$$

10.173 INVALID-ORDER-173 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5,\ L_Ls + \frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(R_5g_m - 1\right)\left(C_LL_Ls^2 + 1\right)}{2C_4C_LL_LR_4R_5g_ms^3 + 2C_4C_LL_LR_4s^3 + 2C_4R_4R_5g_ms + 2C_4R_4s + 2C_LL_LR_4g_ms^2 + 2C_LL_LR_5g_ms^2 + 2C_LL_Ls^2 + C_LR_4R_5g_ms + C_LR_4s + 2R_4g_m + 2R_5g_m + 2}$$

10.174 INVALID-ORDER-174 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5,\ L_Ls + R_L + \frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(R_5g_m - 1\right)\left(C_LL_Ls^2 + C_LR_Ls + 1\right)}{2C_4C_LL_LR_4R_5g_ms^3 + 2C_4C_LL_LR_4s^3 + 2C_4C_LR_4R_5R_Lg_ms^2 + 2C_4C_LR_4R_Ls^2 + 2C_4R_4R_5g_ms + 2C_4R_4s + 2C_LL_LR_4g_ms^2 + 2C_LL_LR_5g_ms^2 + 2C_LL_Ls^2 + C_LR_4R_5g_ms +}$$

10.175 INVALID-ORDER-175 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5,\ \frac{L_Ls}{C_LL_Ls^2+1} + R_L\right)$

$$H(s) = \frac{R_4\left(R_5g_m - 1\right)\left(C_LL_LR_Ls^2 + L_Ls + R_L\right)}{2C_4C_LL_LR_4R_5R_Lg_ms^3 + 2C_4C_LL_LR_4R_Ls^3 + 2C_4L_LR_4R_5g_ms^2 + 2C_4L_LR_4s^2 + 2C_4R_4R_5R_Lg_ms + 2C_4R_4R_Ls + C_LL_LR_4R_5g_ms^2 + 2C_LL_LR_4R_Lg_ms^2 + C_LL_LR_4s^2 + 2C$$

10.176 INVALID-ORDER-176 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5,\ \frac{R_L\left(L_Ls+\frac{1}{C_Ls}\right)}{L_Ls+R_L+\frac{1}{C_Ls}}\right)$

$$H(s) = \frac{R_4R_L\left(R_5g_m - 1\right)\left(C_LL_Ls^2 + 1\right)}{2C_4C_LL_LR_4R_5R_Lg_ms^3 + 2C_4C_LL_LR_4R_Ls^3 + 2C_4R_4R_5R_Lg_ms + 2C_4R_4R_Ls + C_LL_LR_4R_5g_ms^2 + 2C_LL_LR_4R_Lg_ms^2 + C_LL_LR_4s^2 + 2C_LL_LR_5R_Lg_ms^2 + 2C_LL_LR_Ls^2 +$$

10.177 INVALID-ORDER-177 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ R_L + \frac{1}{C_Ls}\right)$

$$H(s) = -\frac{R_4\left(C_5s - g_m\right)\left(C_LR_Ls + 1\right)}{2C_4C_5C_LR_4R_Ls^3 + 2C_4C_5R_4s^2 + 2C_4C_LR_4R_Lg_ms^2 + 2C_4R_4g_ms + 2C_5C_LR_4R_Lg_ms^2 + C_5C_LR_4s^2 + 2C_5C_LR_Ls^2 + 2C_5R_4g_ms + 2C_5s + C_LR_4g_ms + 2C_LR_Lg_ms + 2g_m}$$

10.178 INVALID-ORDER-178 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ L_Ls + \frac{1}{C_Ls}\right)$

$$H(s) = -\frac{R_4\left(C_5s - g_m\right)\left(C_LL_Ls^2 + 1\right)}{2C_4C_5C_LL_LR_4s^4 + 2C_4C_5R_4s^2 + 2C_4C_LL_LR_4g_ms^3 + 2C_4R_4g_ms + 2C_5C_LL_LR_4g_ms^3 + 2C_5C_LL_Ls^3 + C_5C_LR_4s^2 + 2C_5R_4g_ms + 2C_5s + 2C_LL_Lg_ms^2 + C_LR_4g_ms + 2g_m}$$

10.179 INVALID-ORDER-179 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{L_LR_4s\left(-C_5s + g_m\right)}{2C_4C_5L_LR_4s^3 + 2C_4L_LR_4g_ms^2 + C_5C_LL_LR_4s^3 + 2C_5L_LR_4g_ms^2 + 2C_5L_Ls^2 + C_5R_4s + C_LL_LR_4g_ms^2 + 2L_Lg_ms + R_4g_m}$$

10.180 INVALID-ORDER-180 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ L_Ls + R_L + \frac{1}{C_Ls}\right)$

$$H(s) = -\frac{R_4\left(C_5s - g_m\right)\left(C_LL_Ls^2 + C_LR_Ls + 1\right)}{2C_4C_5C_LL_LR_4s^4 + 2C_4C_5C_LR_4R_Ls^3 + 2C_4C_5R_4s^2 + 2C_4C_LL_LR_4g_ms^3 + 2C_4C_LR_4R_Lg_ms^2 + 2C_4R_4g_ms + 2C_5C_LL_LR_4g_ms^3 + 2C_5C_LL_Ls^3 + 2C_5C_LR_4R_Lg_ms^2 + C_5C$$

10.181 INVALID-ORDER-181 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ \frac{1}{C_Ls+\frac{1}{R_L}+\frac{1}{L_Ls}}\right)$

$$H(s) = \frac{L_LR_4R_Ls\left(-C_5s + g_m\right)}{2C_4C_5L_LR_4R_Ls^3 + 2C_4L_LR_4R_Lg_ms^2 + C_5C_LL_LR_4R_Ls^3 + 2C_5L_LR_4R_Lg_ms^2 + C_5L_LR_4s^2 + 2C_5L_LR_Ls^2 + C_5R_4R_Ls + C_LL_LR_4R_Lg_ms^2 + L_LR_4g_ms + 2L_LR_Lg_ms + R_4$$

10.182 INVALID-ORDER-182 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ \frac{L_Ls}{C_LL_Ls^2+1} + R_L\right)$

$$H(s) = -\frac{R_4\left(C_5s - g_m\right)\left(C_LL_LR_Ls^2 + L_Ls + R\right.}{2C_4C_5C_LL_LR_4R_Ls^4 + 2C_4C_5L_LR_4s^3 + 2C_4C_5R_4R_Ls^2 + 2C_4C_LL_LR_4R_Lg_ms^3 + 2C_4L_LR_4g_ms^2 + 2C_4R_4R_Lg_ms + 2C_5C_LL_LR_4R_Lg_ms^3 + C_5C_LL_LR_4s^3 + 2C_5C_LL_LR_L$$

10.183 INVALID-ORDER-183 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s},\ \frac{R_L\left(L_Ls+\frac{1}{C_Ls}\right)}{L_Ls+R_L+\frac{1}{C_Ls}}\right)$

$$H(s) = -\frac{R_4R_L\left(C_5s - g_m\right)\left(C_LL_Ls^2 + 1\right)}{2C_4C_5C_LL_LR_4R_Ls^4 + 2C_4C_5R_4R_Ls^2 + 2C_4C_LL_LR_4R_Lg_ms^3 + 2C_4R_4R_Lg_ms + 2C_5C_LL_LR_4R_Lg_ms^3 + C_5C_LL_LR_4s^3 + 2C_5C_LL_LR_Ls^3 + C_5C_LR_4R_Ls^2 + 2C_5R_4R_Lg_m$$

10.184 INVALID-ORDER-184 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ R_L + \frac{1}{C_Ls}\right)$

$$H(s) = -\frac{R_4\left(C_LR_Ls + 1\right)\left(C_5R_5s - R_5g_m + 1\right)}{2C_4C_5C_LR_4R_5R_Ls^3 + 2C_4C_5R_4R_5s^2 + 2C_4C_LR_4R_5R_Lg_ms^2 + 2C_4C_LR_4R_Ls^2 + 2C_4R_4R_5g_ms + 2C_4R_4s + 2C_5C_LR_4R_5R_Lg_ms^2 + C_5C_LR_4R_5s^2 + 2C_5C_LR_5R_Ls^2 + 2C$$

10.185 INVALID-ORDER-185 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ L_Ls + \frac{1}{C_Ls}\right)$

$$H(s) = -\frac{R_4\left(C_LL_Ls^2+1\right)\left(C_5R_5s - R_5g_m + 1\right)}{2C_4C_5C_LL_LR_4R_5s^4 + 2C_4C_5R_4R_5s^2 + 2C_4C_LL_LR_4R_5g_ms^3 + 2C_4C_LL_LR_4s^3 + 2C_4R_4R_5g_ms + 2C_4R_4s + 2C_5C_LL_LR_4R_5g_ms^3 + 2C_5C_LL_LR_5s^3 + C_5C_LR_4R_5s^2 + 2C_5}$$

10.186 INVALID-ORDER-186 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{L_LR_4s\left(-C_5R_5s + R_5g_m - 1\right)}{2C_4C_5L_LR_4R_5s^3 + 2C_4L_LR_4R_5g_ms^2 + 2C_4L_LR_4s^2 + C_5C_LL_LR_4R_5s^3 + 2C_5L_LR_4R_5g_ms^2 + 2C_5L_LR_5s^2 + C_5R_4R_5s + C_LL_LR_4R_5g_ms^2 + C_LL_LR_4s^2 + 2L_LR_4g_ms + 2L}$$

10.187 INVALID-ORDER-187 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ L_Ls + R_L + \frac{1}{C_Ls}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_LR_4R_5s^4 + 2C_4C_5C_LR_4R_5R_Ls^3 + 2C_4C_5R_4R_5s^2 + 2C_4C_LL_LR_4R_5g_ms^3 + 2C_4C_LL_LR_4s^3 + 2C_4C_LR_4R_5R_Lg_ms^2 + 2C_4C_LR_4R_Ls^2 + 2C_4R_4R_5g_ms + 2C_4R_4}$$

10.188 INVALID-ORDER-188 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ \frac{1}{C_Ls+\frac{1}{R_L}+\frac{1}{L_Ls}}\right)$

$$H(s) = \frac{L_LR_4R_Ls\left(-C_5R_5s + R_5g_m - 1\right)}{2C_4C_5L_LR_4R_5R_Ls^3 + 2C_4L_LR_4R_5R_Lg_ms^2 + 2C_4L_LR_4R_Ls^2 + C_5C_LL_LR_4R_5R_Ls^3 + 2C_5L_LR_4R_5R_Lg_ms^2 + C_5L_LR_4R_5s^2 + 2C_5L_LR_5R_Ls^2 + C_5R_4R_5R_Ls + C_LL_LR_4R_5}$$

10.189 INVALID-ORDER-189 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ \frac{L_Ls}{C_LL_Ls^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_LR_4R_5R_Ls^4 + 2C_4C_5L_LR_4R_5s^3 + 2C_4C_5R_4R_5R_Ls^2 + 2C_4C_LL_LR_4R_5R_Lg_ms^3 + 2C_4C_LL_LR_4R_Ls^3 + 2C_4L_LR_4R_5g_ms^2 + 2C_4L_LR_4s^2 + 2C_4R_4R_5R_Lg_ms + 2}$$

10.190 INVALID-ORDER-190 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5}{C_5R_5s+1},\ \frac{R_L\left(L_Ls+\frac{1}{C_Ls}\right)}{L_Ls+R_L+\frac{1}{C_Ls}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_LR_4R_5R_Ls^4 + 2C_4C_5R_4R_5R_Ls^2 + 2C_4C_LL_LR_4R_5R_Lg_ms^3 + 2C_4C_LL_LR_4R_Ls^3 + 2C_4R_4R_5R_Lg_ms + 2C_4R_4R_Ls + 2C_5C_LL_LR_4R_5R_Lg_ms^3 + C_5C_LL_LR_4R_5s^}$$

10.191 INVALID-ORDER-191 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5+\frac{1}{C_5s},\ R_L+\frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(C_LR_Ls+1\right)\left(C_5R_5g_ms - C_5s + g_m\right)}{2C_4C_5C_LR_4R_5R_Lg_ms^3 + 2C_4C_5C_LR_4R_Ls^3 + 2C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_4s^2 + 2C_4C_LR_4R_Lg_ms^2 + 2C_4R_4g_ms + C_5C_LR_4R_5g_ms^2 + 2C_5C_LR_4R_Lg_ms^2 + C_5C_LR_4s^2 + 2C}$$

10.192 INVALID-ORDER-192 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5+\frac{1}{C_5s},\ L_Ls+\frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(C_LL_Ls^2+1\right)\left(C_5R_5g_ms - C_5s + g_m\right)}{2C_4C_5C_LL_LR_4R_5g_ms^4 + 2C_4C_5C_LL_LR_4s^4 + 2C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_4s^2 + 2C_4C_LL_LR_4g_ms^3 + 2C_4R_4g_ms + 2C_5C_LL_LR_4g_ms^3 + 2C_5C_LL_LR_5g_ms^3 + 2C_5C_LL_Ls^3 + C}$$

10.193 INVALID-ORDER-193 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5+\frac{1}{C_5s},\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{L_LR_4s\left(C_5R_5g_ms - C_5s + g_m\right)}{2C_4C_5L_LR_4R_5g_ms^3 + 2C_4C_5L_LR_4s^3 + 2C_4L_LR_4g_ms^2 + C_5C_LL_LR_4R_5g_ms^3 + C_5C_LL_LR_4s^3 + 2C_5L_LR_4g_ms^2 + 2C_5L_LR_5g_ms^2 + 2C_5L_Ls^2 + C_5R_4R_5g_ms + C_5R_4s + C_L}$$

10.194 INVALID-ORDER-194 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5+\frac{1}{C_5s},\ L_Ls+R_L+\frac{1}{C_Ls}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_LR_4R_5g_ms^4 + 2C_4C_5C_LL_LR_4s^4 + 2C_4C_5C_LR_4R_5R_Lg_ms^3 + 2C_4C_5C_LR_4R_Ls^3 + 2C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_4s^2 + 2C_4C_LL_LR_4g_ms^3 + 2C_4C_LR_4R_Lg_ms^2 + 2C}$$

10.195 INVALID-ORDER-195 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5 + \frac{1}{C_5s},\ \frac{1}{C_Ls+\frac{1}{R_L}+\frac{1}{L_Ls}}\right)$

$$H(s) = \frac{L_LR_4R_Ls\left(C_5R_5g_ms - C_5s + g_m\right)}{2C_4C_5L_LR_4R_5R_Lg_ms^3 + 2C_4C_5L_LR_4R_Ls^3 + 2C_4L_LR_4R_Lg_ms^2 + C_5C_LL_LR_4R_5R_Lg_ms^3 + C_5C_LL_LR_4R_Ls^3 + C_5L_LR_4R_5g_ms^2 + 2C_5L_LR_4R_Lg_ms^2 + C_5L_LR_4s^2 + 2C_5L$$

10.196 INVALID-ORDER-196 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5 + \frac{1}{C_5s},\ \frac{L_Ls}{C_LL_Ls^2+1} + R_L\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_LR_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_LR_4R_Ls^4 + 2C_4C_5L_LR_4R_5g_ms^3 + 2C_4C_5L_LR_4s^3 + 2C_4C_5R_4R_5R_Lg_ms^2 + 2C_4C_5R_4R_Ls^2 + 2C_4C_LL_LR_4R_Lg_ms^3 + 2C_4L_LR_4g_ms}$$

10.197 INVALID-ORDER-197 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ R_5 + \frac{1}{C_5s},\ \frac{R_L\left(L_Ls+\frac{1}{C_Ls}\right)}{L_Ls+R_L+\frac{1}{C_Ls}}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_LR_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_LR_4R_Ls^4 + 2C_4C_5R_4R_5R_Lg_ms^2 + 2C_4C_5R_4R_Ls^2 + 2C_4C_LL_LR_4R_Lg_ms^3 + 2C_4R_4R_Lg_ms + C_5C_LL_LR_4R_5g_ms^3 + 2C_5C_LL_LR_4R_L}$$

10.198 INVALID-ORDER-198 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + \frac{1}{C_5s},\ R_L\right)$

$$H(s) = \frac{R_4R_L\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{2C_4C_5L_5R_4R_Lg_ms^3 + 2C_4C_5R_4R_Ls^2 + 2C_4R_4R_Lg_ms + C_5L_5R_4g_ms^2 + 2C_5L_5R_Lg_ms^2 + 2C_5R_4R_Lg_ms + C_5R_4s + 2C_5R_Ls + R_4g_m + 2R_Lg_m}$$

10.199 INVALID-ORDER-199 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + \frac{1}{C_5s},\ \frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{2C_4C_5L_5R_4g_ms^3 + 2C_4C_5R_4s^2 + 2C_4R_4g_ms + C_5C_LL_5R_4g_ms^3 + C_5C_LR_4s^2 + 2C_5L_5g_ms^2 + 2C_5R_4g_ms + 2C_5s + C_LR_4g_ms + 2g_m}$$

10.200 INVALID-ORDER-200 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + \frac{1}{C_5s},\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{R_4R_L\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{2C_4C_5L_5R_4R_Lg_ms^3 + 2C_4C_5R_4R_Ls^2 + 2C_4R_4R_Lg_ms + C_5C_LL_5R_4R_Lg_ms^3 + C_5C_LR_4R_Ls^2 + C_5L_5R_4g_ms^2 + 2C_5L_5R_Lg_ms^2 + 2C_5R_4R_Lg_ms + C_5R_4s + 2C_5R_Ls + C_LR$$

10.201 INVALID-ORDER-201 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + \frac{1}{C_5s},\ R_L + \frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(C_LR_Ls + 1\right)\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{2C_4C_5C_LL_5R_4R_Lg_ms^4 + 2C_4C_5C_LR_4R_Ls^3 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5R_4s^2 + 2C_4C_LR_4R_Lg_ms^2 + 2C_4R_4g_ms + C_5C_LL_5R_4g_ms^3 + 2C_5C_LL_5R_Lg_ms^3 + 2C_5C_LR_4R_Lg_ms$$

10.202 INVALID-ORDER-202 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + \frac{1}{C_5s},\ L_Ls + \frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(C_LL_Ls^2 + 1\right)\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{2C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_LR_4s^4 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5R_4s^2 + 2C_4C_LL_LR_4g_ms^3 + 2C_4R_4g_ms + 2C_5C_LL_5L_Lg_ms^4 + C_5C_LL_5R_4g_ms^3 + 2C_5C_LL_LR_4g_ms^3$$

10.203 INVALID-ORDER-203 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + \frac{1}{C_5s},\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{L_LR_4s\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{2C_4C_5L_5L_LR_4g_ms^4 + 2C_4C_5L_LR_4s^3 + 2C_4L_LR_4g_ms^2 + C_5C_LL_5L_LR_4g_ms^4 + C_5C_LL_LR_4s^3 + 2C_5L_5L_Lg_ms^3 + C_5L_5R_4g_ms^2 + 2C_5L_LR_4g_ms^2 + 2C_5L_Ls^2 + C_5R_4s + C_L$$

10.204 INVALID-ORDER-204 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + \frac{1}{C_5s},\ L_Ls + R_L + \frac{1}{C_Ls}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5R_4R_Lg_ms^4 + 2C_4C_5C_LL_LR_4s^4 + 2C_4C_5C_LR_4R_Ls^3 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5R_4s^2 + 2C_4C_LL_LR_4g_ms^3 + 2C_4C_LR_4R_Lg_ms^2 + 2C$$

10.205 INVALID-ORDER-205 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + \frac{1}{C_5s},\ \frac{1}{C_Ls+\frac{1}{R_L}+\frac{1}{L_Ls}}\right)$

$$H(s) = \frac{L_LR_4R_Ls\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{2C_4C_5L_5L_LR_4R_Lg_ms^4 + 2C_4C_5L_LR_4R_Ls^3 + 2C_4L_LR_4R_Lg_ms^2 + C_5C_LL_5L_LR_4R_Lg_ms^4 + C_5C_LL_LR_4R_Ls^3 + C_5L_5L_LR_4g_ms^3 + 2C_5L_5L_LR_Lg_ms^3 + C_5L_5R_4R_Lg_ms^2 + 2}$$

10.206 INVALID-ORDER-206 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + \frac{1}{C_5s},\ \frac{L_Ls}{C_LL_Ls^2+1} + R_L\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_5L_LR_4R_Lg_ms^5 + 2C_4C_5C_LL_LR_4R_Ls^4 + 2C_4C_5L_5L_LR_4g_ms^4 + 2C_4C_5L_5R_4R_Lg_ms^3 + 2C_4C_5L_LR_4s^3 + 2C_4C_5R_4R_Ls^2 + 2C_4C_LL_LR_4R_Lg_ms^3 + 2C_4L_LR_4g_ms^2}$$

10.207 INVALID-ORDER-207 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + \frac{1}{C_5s},\ \frac{R_L\left(L_Ls+\frac{1}{C_Ls}\right)}{L_Ls+R_L+\frac{1}{C_Ls}}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_5L_LR_4R_Lg_ms^5 + 2C_4C_5C_LL_LR_4R_Ls^4 + 2C_4C_5L_5R_4R_Lg_ms^3 + 2C_4C_5R_4R_Ls^2 + 2C_4C_LL_LR_4R_Lg_ms^3 + 2C_4R_4R_Lg_ms + C_5C_LL_5L_LR_4g_ms^4 + 2C_5C_LL_5L_LR_L}$$

10.208 INVALID-ORDER-208 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1},\ R_L\right)$

$$H(s) = \frac{R_4R_L\left(-C_5L_5s^2 + L_5g_ms - 1\right)}{2C_4C_5L_5R_4R_Ls^3 + 2C_4L_5R_4R_Lg_ms^2 + 2C_4R_4R_Ls + 2C_5L_5R_4R_Lg_ms^2 + C_5L_5R_4s^2 + 2C_5L_5R_Ls^2 + L_5R_4g_ms + 2L_5R_Lg_ms + 2R_4R_Lg_m + R_4 + 2R_L}$$

10.209 INVALID-ORDER-209 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1},\ \frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(-C_5L_5s^2 + L_5g_ms - 1\right)}{2C_4C_5L_5R_4s^3 + 2C_4L_5R_4g_ms^2 + 2C_4R_4s + C_5C_LL_5R_4s^3 + 2C_5L_5R_4g_ms^2 + 2C_5L_5s^2 + C_LL_5R_4g_ms^2 + C_LR_4s + 2L_5g_ms + 2R_4g_m + 2}$$

10.210 INVALID-ORDER-210 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1},\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{R_4R_L\left(-C_5L_5s^2 + L_5g_ms - 1\right)}{2C_4C_5L_5R_4R_Ls^3 + 2C_4L_5R_4R_Lg_ms^2 + 2C_4R_4R_Ls + C_5C_LL_5R_4R_Ls^3 + 2C_5L_5R_4R_Lg_ms^2 + C_5L_5R_4s^2 + 2C_5L_5R_Ls^2 + C_LL_5R_4R_Lg_ms^2 + C_LR_4R_Ls + L_5R_4g_ms + 2L_5R$$

10.211 INVALID-ORDER-211 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1},\ R_L + \frac{1}{C_Ls}\right)$

$$H(s) = -\frac{R_4\left(C_LR_Ls + 1\right)\left(C_5L_5s^2 - L_5g_ms + 1\right)}{2C_4C_5C_LL_5R_4R_Ls^4 + 2C_4C_5L_5R_4s^3 + 2C_4C_LL_5R_4R_Lg_ms^3 + 2C_4C_LR_4R_Ls^2 + 2C_4L_5R_4g_ms^2 + 2C_4R_4s + 2C_5C_LL_5R_4R_Lg_ms^3 + C_5C_LL_5R_4s^3 + 2C_5C_LL_5R_Ls^3 + 2C_5$$

10.212 INVALID-ORDER-212 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1},\ L_Ls + \frac{1}{C_Ls}\right)$

$$H(s) = -\frac{R_4\left(C_LL_Ls^2 + 1\right)\left(C_5L_5s^2 - L_5g_ms + 1\right)}{2C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5L_5R_4s^3 + 2C_4C_LL_5L_LR_4g_ms^4 + 2C_4C_LL_LR_4s^3 + 2C_4L_5R_4g_ms^2 + 2C_4R_4s + 2C_5C_LL_5L_LR_4g_ms^4 + 2C_5C_LL_5L_Ls^4 + C_5C_LL_5R_4s^3 + 2C_5$$

10.213 INVALID-ORDER-213 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1},\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{L_LR_4s\left(-C_5L_5s^2 + L_5g_ms - 1\right)}{2C_4C_5L_5L_LR_4s^4 + 2C_4L_5L_LR_4g_ms^3 + 2C_4L_LR_4s^2 + C_5C_LL_5L_LR_4s^4 + 2C_5L_5L_LR_4g_ms^3 + 2C_5L_5L_Ls^3 + C_5L_5R_4s^2 + C_LL_5L_LR_4g_ms^3 + C_LL_LR_4s^2 + 2L_5L_Lg_ms^2 + L_5$$

10.214 INVALID-ORDER-214 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1},\ L_Ls + R_L + \frac{1}{C_Ls}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5C_LL_5R_4R_Ls^4 + 2C_4C_5L_5R_4s^3 + 2C_4C_LL_5L_LR_4g_ms^4 + 2C_4C_LL_5R_4R_Lg_ms^3 + 2C_4C_LL_LR_4s^3 + 2C_4C_LR_4R_Ls^2 + 2C_4L_5R_4g_ms^2 + 2C_4R_4$$

10.215 INVALID-ORDER-215 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1},\ \frac{1}{C_Ls+\frac{1}{R_L}+\frac{1}{L_Ls}}\right)$

$$H(s) = \frac{L_LR_4R_Ls\left(-C_5L_5s^2 + L_5g_ms - 1\right)}{2C_4C_5L_5L_LR_4R_Ls^4 + 2C_4L_5L_LR_4R_Lg_ms^3 + 2C_4L_LR_4R_Ls^2 + C_5C_LL_5L_LR_4R_Ls^4 + 2C_5L_5L_LR_4R_Lg_ms^3 + C_5L_5L_LR_4s^3 + 2C_5L_5L_LR_Ls^3 + C_5L_5R_4R_Ls^2 + C_LL_5L_LR_4}$$

10.216 INVALID-ORDER-216 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1},\ \frac{L_Ls}{C_LL_Ls^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_Ls^5 + 2C_4C_5L_5L_LR_4s^4 + 2C_4C_5L_5R_4R_Ls^3 + 2C_4C_LL_5L_LR_4R_Lg_ms^4 + 2C_4C_LL_LR_4R_Ls^3 + 2C_4L_5L_LR_4g_ms^3 + 2C_4L_5R_4R_Lg_ms^2 + 2C_4L_LR_4s^2 + 2}$$

10.217 INVALID-ORDER-217 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1},\ \frac{R_L\left(L_Ls+\frac{1}{C_Ls}\right)}{L_Ls+R_L+\frac{1}{C_Ls}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_Ls^5 + 2C_4C_5L_5R_4R_Ls^3 + 2C_4C_LL_5L_LR_4R_Lg_ms^4 + 2C_4C_LL_LR_4R_Ls^3 + 2C_4L_5R_4R_Lg_ms^2 + 2C_4R_4R_Ls + 2C_5C_LL_5L_LR_4R_Lg_ms^4 + C_5C_LL_5L_LR_4s^4}$$

10.218 INVALID-ORDER-218 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + R_5 + \frac{1}{C_5s},\ R_L\right)$

$$H(s) = \frac{R_4R_L\left(C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m\right)}{2C_4C_5L_5R_4R_Lg_ms^3 + 2C_4C_5R_4R_5R_Lg_ms^2 + 2C_4C_5R_4R_Ls^2 + 2C_4R_4R_Lg_ms + C_5L_5R_4g_ms^2 + 2C_5L_5R_Lg_ms^2 + C_5R_4R_5g_ms + 2C_5R_4R_Lg_ms + C_5R_4s + 2C_5R_5R_Lg_ms +}$$

10.219 INVALID-ORDER-219 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + R_5 + \frac{1}{C_5s},\ \frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m\right)}{2C_4C_5L_5R_4g_ms^3 + 2C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_4s^2 + 2C_4R_4g_ms + C_5C_LL_5R_4g_ms^3 + C_5C_LR_4R_5g_ms^2 + C_5C_LR_4s^2 + 2C_5L_5g_ms^2 + 2C_5R_4g_ms + 2C_5R_5g_ms + 2C_5s + C_L}$$

10.220 INVALID-ORDER-220 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + R_5 + \frac{1}{C_5s},\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{R_4R_L\left(C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m\right)}{2C_4C_5L_5R_4R_Lg_ms^3 + 2C_4C_5R_4R_5R_Lg_ms^2 + 2C_4C_5R_4R_Ls^2 + 2C_4R_4R_Lg_ms + C_5C_LL_5R_4R_Lg_ms^3 + C_5C_LR_4R_5R_Lg_ms^2 + C_5C_LR_4R_Ls^2 + C_5L_5R_4g_ms^2 + 2C_5L_5R_Lg_ms$$

10.221 INVALID-ORDER-221 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + R_5 + \frac{1}{C_5s},\ R_L + \frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(C_LR_Ls +\right.}{2C_4C_5C_LL_5R_4R_Lg_ms^4 + 2C_4C_5C_LR_4R_5R_Lg_ms^3 + 2C_4C_5C_LR_4R_Ls^3 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_4s^2 + 2C_4C_LR_4R_Lg_ms^2 + 2C_4R_4g_ms + C_5C_LL_5R$$

10.222 INVALID-ORDER-222 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + R_5 + \frac{1}{C_5s},\ L_Ls + \frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(C_LL_Ls^2 +\right.}{2C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_LR_4R_5g_ms^4 + 2C_4C_5C_LL_LR_4s^4 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_4s^2 + 2C_4C_LL_LR_4g_ms^3 + 2C_4R_4g_ms + 2C_5C_LL_5L$$

10.223 INVALID-ORDER-223 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + R_5 + \frac{1}{C_5s},\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{L_LR_4s\left(C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m\right)}{2C_4C_5L_5L_LR_4g_ms^4 + 2C_4C_5L_LR_4R_5g_ms^3 + 2C_4C_5L_LR_4s^3 + 2C_4L_LR_4g_ms^2 + C_5C_LL_5L_LR_4g_ms^4 + C_5C_LL_LR_4R_5g_ms^3 + C_5C_LL_LR_4s^3 + 2C_5L_5L_Lg_ms^3 + C_5L_5R_4g_ms^2$$

10.224 INVALID-ORDER-224 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + R_5 + \frac{1}{C_5s},\ L_Ls + R_L + \frac{1}{C_Ls}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5R_4R_Lg_ms^4 + 2C_4C_5C_LL_LR_4R_5g_ms^4 + 2C_4C_5C_LL_LR_4s^4 + 2C_4C_5C_LR_4R_5R_Lg_ms^3 + 2C_4C_5C_LR_4R_Ls^3 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5$$

10.225 INVALID-ORDER-225 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + R_5 + \frac{1}{C_5s},\ \frac{1}{C_Ls+\frac{1}{R_L}+\frac{1}{L_Ls}}\right)$

$$H(s) = \frac{}{2C_4C_5L_5L_LR_4R_Lg_ms^4 + 2C_4C_5L_LR_4R_5R_Lg_ms^3 + 2C_4C_5L_LR_4R_Ls^3 + 2C_4L_LR_4R_Lg_ms^2 + C_5C_LL_5L_LR_4R_Lg_ms^4 + C_5C_LL_LR_4R_5R_Lg_ms^3 + C_5C_LL_LR_4R_Ls^3 + C_5L_5L_L}$$

10.226 INVALID-ORDER-226 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + R_5 + \frac{1}{C_5s},\ \frac{L_Ls}{C_LL_Ls^2+1} + R_L\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_5L_LR_4R_Lg_ms^5 + 2C_4C_5C_LL_LR_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_LR_4R_Ls^4 + 2C_4C_5L_5L_LR_4g_ms^4 + 2C_4C_5L_5R_4R_Lg_ms^3 + 2C_4C_5L_LR_4R_5g_ms^3 + 2C_4C_5L_LR_4s^3 + 2C_4}$$

10.227 INVALID-ORDER-227 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ L_5s + R_5 + \frac{1}{C_5s},\ \frac{R_L\left(L_Ls+\frac{1}{C_Ls}\right)}{L_Ls+R_L+\frac{1}{C_Ls}}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_5L_LR_4R_Lg_ms^5 + 2C_4C_5C_LL_LR_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_LR_4R_Ls^4 + 2C_4C_5L_5R_4R_Lg_ms^3 + 2C_4C_5R_4R_5R_Lg_ms^2 + 2C_4C_5R_4R_Ls^2 + 2C_4C_LL_LR_4R_Lg_ms^3 + 2C}$$

10.228 INVALID-ORDER-228 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s+\frac{1}{R_5}+\frac{1}{L_5s}},\ R_L\right)$

$$H(s) = \frac{R_4R_L\left(-C_5L_5R_5s^2 + L_5R_5g_ms - L_5s - R_5\right)}{2C_4C_5L_5R_4R_5R_Ls^3 + 2C_4L_5R_4R_5R_Lg_ms^2 + 2C_4L_5R_4R_Ls^2 + 2C_4R_4R_5R_Ls + 2C_5L_5R_4R_5R_Lg_ms^2 + C_5L_5R_4R_5s^2 + 2C_5L_5R_5R_Ls^2 + L_5R_4R_5g_ms + 2L_5R_4R_Lg_ms + L_5R}$$

10.229 INVALID-ORDER-229 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s+\frac{1}{R_5}+\frac{1}{L_5s}},\ \frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(-C_5L_5R_5s^2 + L_5R_5g_ms - L_5s - R_5\right)}{2C_4C_5L_5R_4R_5s^3 + 2C_4L_5R_4R_5g_ms^2 + 2C_4L_5R_4s^2 + 2C_4R_4R_5s + C_5C_LL_5R_4R_5s^3 + 2C_5L_5R_4R_5g_ms^2 + 2C_5L_5R_5s^2 + C_LL_5R_4R_5g_ms^2 + C_LL_5R_4s^2 + C_LR_4R_5s + 2L_5R}$$

10.230 INVALID-ORDER-230 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s+\frac{1}{R_5}+\frac{1}{L_5s}},\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{R_4R_L\left(-C_5L_5R_5s^2 + L_5R_5g_ms - L_5\right.}{2C_4C_5L_5R_4R_5R_Ls^3 + 2C_4L_5R_4R_5R_Lg_ms^2 + 2C_4L_5R_4R_Ls^2 + 2C_4R_4R_5R_Ls + C_5C_LL_5R_4R_5R_Ls^3 + 2C_5L_5R_4R_5R_Lg_ms^2 + C_5L_5R_4R_5s^2 + 2C_5L_5R_5R_Ls^2 + C_LL_5R_4R_5R}$$

10.231 INVALID-ORDER-231 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s+\frac{1}{R_5}+\frac{1}{L_5s}},\ R_L + \frac{1}{C_Ls}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5R_4R_5R_Ls^4 + 2C_4C_5L_5R_4R_5s^3 + 2C_4C_LL_5R_4R_5R_Lg_ms^3 + 2C_4C_LL_5R_4R_Ls^3 + 2C_4C_LR_4R_5R_Ls^2 + 2C_4L_5R_4R_5g_ms^2 + 2C_4L_5R_4s^2 + 2C_4R_4R_5s + 2C_5C_LL_5}$$

10.232 INVALID-ORDER-232 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s+\frac{1}{R_5}+\frac{1}{L_5s}},\ L_Ls + \frac{1}{C_Ls}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_5s^5 + 2C_4C_5L_5R_4R_5s^3 + 2C_4C_LL_5L_LR_4R_5g_ms^4 + 2C_4C_LL_5L_LR_4s^4 + 2C_4C_LL_LR_4R_5s^3 + 2C_4L_5R_4R_5g_ms^2 + 2C_4L_5R_4s^2 + 2C_4R_4R_5s + 2C_5C_LL_5}$$

10.233 INVALID-ORDER-233 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s+\frac{1}{R_5}+\frac{1}{L_5s}},\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{L_LR_4s\left(-C_5L_5R_5s^2 + L_5R_5g_ms -\right.}{2C_4C_5L_5L_LR_4R_5s^4 + 2C_4L_5L_LR_4R_5g_ms^3 + 2C_4L_5L_LR_4s^3 + 2C_4L_LR_4R_5s^2 + C_5C_LL_5L_LR_4R_5s^4 + 2C_5L_5L_LR_4R_5g_ms^3 + 2C_5L_5L_LR_5s^3 + C_5L_5R_4R_5s^2 + C_LL_5L_LR_4R}$$

10.234 INVALID-ORDER-234 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{1}{C_5s+\frac{1}{R_5}+\frac{1}{L_5s}},\ L_Ls + R_L + \frac{1}{C_Ls}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_5s^5 + 2C_4C_5C_LL_5R_4R_5R_Ls^4 + 2C_4C_5L_5R_4R_5s^3 + 2C_4C_LL_5L_LR_4R_5g_ms^4 + 2C_4C_LL_5L_LR_4s^4 + 2C_4C_LL_5R_4R_5R_Lg_ms^3 + 2C_4C_LL_5R_4R_Ls^3 + 2C_4C}$$

10.235 INVALID-ORDER-235 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5L_5L_LR_4R_5R_Ls^4 + 2C_4L_5L_LR_4R_5R_Lg_ms^3 + 2C_4L_5L_LR_4R_Ls^3 + 2C_4L_LR_4R_5R_Ls^2 + C_5C_LL_5L_LR_4R_5R_Ls^4 + 2C_5L_5L_LR_4R_5R_Lg_ms^3 + C_5L_5L_LR_4R_5s^3 + 2C_5L_5L$$

10.236 INVALID-ORDER-236 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_5R_Ls^5 + 2C_4C_5L_5L_LR_4R_5s^4 + 2C_4C_5L_5R_4R_5R_Ls^3 + 2C_4C_LL_5L_LR_4R_5R_Lg_ms^4 + 2C_4C_LL_5L_LR_4R_Ls^4 + 2C_4C_LL_LR_4R_5R_Ls^3 + 2C_4L_5L_LR_4R_5g_ms$$

10.237 INVALID-ORDER-237 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_5R_Ls^5 + 2C_4C_5L_5R_4R_5R_Ls^3 + 2C_4C_LL_5L_LR_4R_5R_Lg_ms^4 + 2C_4C_LL_5L_LR_4R_Ls^4 + 2C_4C_LL_LR_4R_5R_Ls^3 + 2C_4L_5R_4R_5R_Lg_ms^2 + 2C_4L_5R_4R_Ls^2 + 2$$

10.238 INVALID-ORDER-238 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ R_L\right)$

$$H(s) = \frac{R_4R_L\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{2C_4C_5L_5R_4R_5R_Lg_ms^3 + 2C_4C_5L_5R_4R_Ls^3 + 2C_4L_5R_4R_Lg_ms^2 + 2C_4R_4R_5R_Lg_ms + 2C_4R_4R_Ls + C_5L_5R_4R_5g_ms^2 + 2C_5L_5R_4R_Lg_ms^2 + C_5L_5R_4s^2 + 2C_5L_5R_5R_Lg_ms^2 +}$$

10.239 INVALID-ORDER-239 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4 R_4 s+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{2C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_4s^3 + 2C_4L_5R_4g_ms^2 + 2C_4R_4R_5g_ms + 2C_4R_4s + C_5C_LL_5R_4R_5g_ms^3 + C_5C_LL_5R_4s^3 + 2C_5L_5R_4g_ms^2 + 2C_5L_5R_5g_ms^2 + 2C_5L_5s^2 + C_LL$$

10.240 INVALID-ORDER-240 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1} + R_5,\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{R_4R_L\left(C_5L_5R_5g_ms^2\right.}{2C_4C_5L_5R_4R_5R_Lg_ms^3 + 2C_4C_5L_5R_4R_Ls^3 + 2C_4L_5R_4R_Lg_ms^2 + 2C_4R_4R_5R_Lg_ms + 2C_4R_4R_Ls + C_5C_LL_5R_4R_5R_Lg_ms^3 + C_5C_LL_5R_4R_Ls^3 + C_5L_5R_4R_5g_ms^2 + 2C_5L_5R_4}$$

10.241 INVALID-ORDER-241 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1} + R_5,\ R_L + \frac{1}{C_Ls}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_5R_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_5R_4R_Ls^4 + 2C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_4s^3 + 2C_4C_LL_5R_4R_Lg_ms^3 + 2C_4C_LR_4R_5R_Lg_ms^2 + 2C_4C_LR_4R_Ls^2 + 2C_4L_5R_4g_ms^2}$$

10.242 INVALID-ORDER-242 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1} + R_5,\ L_Ls + \frac{1}{C_Ls}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_5L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_4s^3 + 2C_4C_LL_5L_LR_4g_ms^4 + 2C_4C_LL_LR_4R_5g_ms^3 + 2C_4C_LL_LR_4s^3 + 2C_4L_5R_4g_ms^2 +}$$

10.243 INVALID-ORDER-243 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1} + R_5,\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{L_LR_4s\left(C_5L_5R_5g_m\right.}{2C_4C_5L_5L_LR_4R_5g_ms^4 + 2C_4C_5L_5L_LR_4s^4 + 2C_4L_5L_LR_4g_ms^3 + 2C_4L_LR_4R_5g_ms^2 + 2C_4L_LR_4s^2 + C_5C_LL_5L_LR_4R_5g_ms^4 + C_5C_LL_5L_LR_4s^4 + 2C_5L_5L_LR_4g_ms^3 + 2C_5L_5}$$

10.244 INVALID-ORDER-244 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1} + R_5,\ L_Ls + R_L + \frac{1}{C_Ls}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_5L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5C_LL_5R_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_5R_4R_Ls^4 + 2C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_4s^3 + 2C_4C_LL_5L_LR_4g_ms^4 + 2C_4C$$

10.245 INVALID-ORDER-245 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1} + R_5,\ \frac{1}{C_Ls+\frac{1}{R_L}+\frac{1}{L_Ls}}\right)$

$$H(s) = \frac{}{2C_4C_5L_5L_LR_4R_5R_Lg_ms^4 + 2C_4C_5L_5L_LR_4R_Ls^4 + 2C_4L_5L_LR_4R_Lg_ms^3 + 2C_4L_LR_4R_5R_Lg_ms^2 + 2C_4L_LR_4R_Ls^2 + C_5C_LL_5L_LR_4R_5R_Lg_ms^4 + C_5C_LL_5L_LR_4R_Ls^4 + C_5L_5$$

10.246 INVALID-ORDER-246 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1} + R_5,\ \frac{L_Ls}{C_LL_Ls^2+1} + R_L\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_5L_LR_4R_5R_Lg_ms^5 + 2C_4C_5C_LL_5L_LR_4R_Ls^5 + 2C_4C_5L_5L_LR_4R_5g_ms^4 + 2C_4C_5L_5L_LR_4s^4 + 2C_4C_5L_5R_4R_5R_Lg_ms^3 + 2C_4C_5L_5R_4R_Ls^3 + 2C_4C_LL_5L_LR_4R_Lg_ms$$

10.247 INVALID-ORDER-247 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{L_5s}{C_5L_5s^2+1} + R_5,\ \frac{R_L\left(L_Ls+\frac{1}{C_Ls}\right)}{L_Ls+R_L+\frac{1}{C_Ls}}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_5L_LR_4R_5R_Lg_ms^5 + 2C_4C_5C_LL_5L_LR_4R_Ls^5 + 2C_4C_5L_5R_4R_5R_Lg_ms^3 + 2C_4C_5L_5R_4R_Ls^3 + 2C_4C_LL_5L_LR_4R_Lg_ms^4 + 2C_4C_LL_LR_4R_5R_Lg_ms^3 + 2C_4C_LL_LR_4R$$

10.248 INVALID-ORDER-248 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5\left(L_5s+\frac{1}{C_5s}\right)}{L_5s+R_5+\frac{1}{C_5s}},\ R_L\right)$

$$H(s) = \frac{R_4R_L\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 - C_5R_5s + R_5g_m - 1\right)}{2C_4C_5L_5R_4R_5R_Lg_ms^3 + 2C_4C_5L_5R_4R_Ls^3 + 2C_4C_5R_4R_5R_Ls^2 + 2C_4R_4R_5R_Lg_ms + 2C_4R_4R_Ls + C_5L_5R_4R_5g_ms^2 + 2C_5L_5R_4R_Lg_ms^2 + C_5L_5R_4s^2 + 2C_5L_5R_5R_Lg_ms^2 +}$$

10.249 INVALID-ORDER-249 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5\left(L_5s+\frac{1}{C_5s}\right)}{L_5s+R_5+\frac{1}{C_5s}},\ \frac{1}{C_Ls}\right)$

$$H(s) = \frac{R_4\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 - C_5R_5s + R_5g_m - 1\right)}{2C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_4s^3 + 2C_4C_5R_4R_5s^2 + 2C_4R_4R_5g_ms + 2C_4R_4s + C_5C_LL_5R_4R_5g_ms^3 + C_5C_LL_5R_4s^3 + C_5C_LR_4R_5s^2 + 2C_5L_5R_4g_ms^2 + 2C_5L_5R_5g_ms^2 +}$$

10.250 INVALID-ORDER-250 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5\left(L_5s+\frac{1}{C_5s}\right)}{L_5s+R_5+\frac{1}{C_5s}},\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{R_4R_L\left(C_5L$$
$$2C_4C_5L_5R_4R_5R_Lg_ms^3 + 2C_4C_5L_5R_4R_Ls^3 + 2C_4C_5R_4R_5R_Ls^2 + 2C_4R_4R_5R_Lg_ms + 2C_4R_4R_Ls + C_5C_LL_5R_4R_5R_Lg_ms^3 + C_5C_LL_5R_4R_Ls^3 + C_5C_LR_4R_5R_Ls^2 + C_5L_5R_4$$

10.251 INVALID-ORDER-251 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5\left(L_5s+\frac{1}{C_5s}\right)}{L_5s+R_5+\frac{1}{C_5s}},\ R_L+\frac{1}{C_Ls}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5R_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_5R_4R_Ls^4 + 2C_4C_5C_LR_4R_5R_Ls^3 + 2C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_4s^3 + 2C_4C_5R_4R_5s^2 + 2C_4C_LR_4R_5R_Lg_ms^2 + 2C_4C_LR_4R_Ls$$

10.252 INVALID-ORDER-252 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5\left(L_5s+\frac{1}{C_5s}\right)}{L_5s+R_5+\frac{1}{C_5s}},\ L_Ls+\frac{1}{C_Ls}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5C_LL_LR_4R_5s^4 + 2C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_4s^3 + 2C_4C_5R_4R_5s^2 + 2C_4C_LL_LR_4R_5g_ms^3 + 2C_4C_LL_LR_4s^3$$

10.253 INVALID-ORDER-253 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5\left(L_5s+\frac{1}{C_5s}\right)}{L_5s+R_5+\frac{1}{C_5s}},\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{L_LR_4s\left($$
$$2C_4C_5L_5L_LR_4R_5g_ms^4 + 2C_4C_5L_5L_LR_4s^4 + 2C_4C_5L_LR_4R_5s^3 + 2C_4L_LR_4R_5g_ms^2 + 2C_4L_LR_4s^2 + C_5C_LL_5L_LR_4R_5g_ms^4 + C_5C_LL_5L_LR_4s^4 + C_5C_LL_LR_4R_5s^3 + 2C_5L_5L$$

10.254 INVALID-ORDER-254 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5\left(L_5s+\frac{1}{C_5s}\right)}{L_5s+R_5+\frac{1}{C_5s}},\ L_Ls+R_L+\frac{1}{C_Ls}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5C_LL_5R_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_5R_4R_Ls^4 + 2C_4C_5C_LL_LR_4R_5s^4 + 2C_4C_5C_LR_4R_5R_Ls^3 + 2C_4C_5L_5R_4R_5g_ms^3$$

10.255 INVALID-ORDER-255 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5\left(L_5s+\frac{1}{C_5s}\right)}{L_5s+R_5+\frac{1}{C_5s}},\ \frac{1}{C_Ls+\frac{1}{R_L}+\frac{1}{L_Ls}}\right)$

$$H(s) = \frac{}{2C_4C_5L_5L_LR_4R_5R_Lg_ms^4 + 2C_4C_5L_5L_LR_4R_Ls^4 + 2C_4C_5L_LR_4R_5R_Ls^3 + 2C_4L_LR_4R_5R_Lg_ms^2 + 2C_4L_LR_4R_Ls^2 + C_5C_LL_5L_LR_4R_5R_Lg_ms^4 + C_5C_LL_5L_LR_4R_Ls^4 + C_5C}$$

10.256 INVALID-ORDER-256 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5\left(L_5s+\frac{1}{C_5s}\right)}{L_5s+R_5+\frac{1}{C_5s}},\ \frac{L_Ls}{C_LL_Ls^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_5R_Lg_ms^5 + 2C_4C_5C_LL_5L_LR_4R_Ls^5 + 2C_4C_5C_LL_LR_4R_5R_Ls^4 + 2C_4C_5L_5L_LR_4R_5g_ms^4 + 2C_4C_5L_5L_LR_4s^4 + 2C_4C_5L_5R_4R_5R_Lg_ms^3 + 2C_4C_5L_5R_4R}$$

10.257 INVALID-ORDER-257 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4}{C_4R_4s+1},\ \frac{R_5\left(L_5s+\frac{1}{C_5s}\right)}{L_5s+R_5+\frac{1}{C_5s}},\ \frac{R_L\left(L_Ls+\frac{1}{C_Ls}\right)}{L_Ls+R_L+\frac{1}{C_Ls}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_5R_Lg_ms^5 + 2C_4C_5C_LL_5L_LR_4R_Ls^5 + 2C_4C_5C_LL_LR_4R_5R_Ls^4 + 2C_4C_5L_5R_4R_5R_Lg_ms^3 + 2C_4C_5L_5R_4R_Ls^3 + 2C_4C_5R_4R_5R_Ls^2 + 2C_4C_LL_LR_4R_5R_L}$$

10.258 INVALID-ORDER-258 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4s},\ R_5,\ R_L\right)$

$$H(s) = \frac{R_L\left(R_5g_m - 1\right)\left(C_4R_4s + 1\right)}{C_4R_4R_5g_ms + 2C_4R_4R_Lg_ms + C_4R_4s + 2C_4R_5R_Lg_ms + 2C_4R_Ls + R_5g_m + 2R_Lg_m + 1}$$

10.259 INVALID-ORDER-259 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4s},\ R_5,\ L_Ls + \frac{1}{C_Ls}\right)$

$$H(s) = \frac{\left(R_5g_m - 1\right)\left(C_4R_4s + 1\right)\left(C_LL_Ls^2 + 1\right)}{2C_4C_LL_LR_4g_ms^3 + 2C_4C_LL_LR_5g_ms^3 + 2C_4C_LL_Ls^3 + C_4C_LR_4R_5g_ms^2 + C_4C_LR_4s^2 + 2C_4R_4g_ms + 2C_4R_5g_ms + 2C_4s + 2C_LL_Lg_ms^2 + C_LR_5g_ms + C_Ls + 2g_m}$$

10.260 INVALID-ORDER-260 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L s\left(R_5 g_m - 1\right)\left(C_4 R_4 s + 1\right)}{C_4 C_L L_L R_4 R_5 g_m s^3 + C_4 C_L L_L R_4 s^3 + 2 C_4 L_L R_4 g_m s^2 + 2 C_4 L_L R_5 g_m s^2 + 2 C_4 L_L s^2 + C_4 R_4 R_5 g_m s + C_4 R_4 s + C_L L_L R_5 g_m s^2 + C_L L_L s^2 + 2 L_L g_m s + R_5 g_m + 1}$$

10.261 INVALID-ORDER-261 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(R_5 g_m - 1\right)\left(C_4 R_4 s + 1\right)\left(C_L L_L s^2 + C_L R_L s + 1\right)}{2 C_4 C_L L_L R_4 g_m s^3 + 2 C_4 C_L L_L R_5 g_m s^3 + 2 C_4 C_L L_L s^3 + C_4 C_L R_4 R_5 g_m s^2 + 2 C_4 C_L R_4 R_L g_m s^2 + C_4 C_L R_4 s^2 + 2 C_4 C_L R_5 R_L g_m s^2 + 2 C_4 C_L R_L s^2 + 2 C_4 R_4 g_m s + 2 C_4 R_5 g_m s +}$$

10.262 INVALID-ORDER-262 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_L s\left(R_5 g_m - 1\right)\left(C_4 R_4 s + 1\right)}{C_4 C_L L_L R_4 R_5 R_L g_m s^3 + C_4 C_L L_L R_4 R_L s^3 + C_4 L_L R_4 R_5 g_m s^2 + 2 C_4 L_L R_4 R_L g_m s^2 + C_4 L_L R_4 s^2 + 2 C_4 L_L R_5 R_L g_m s^2 + 2 C_4 L_L R_L s^2 + C_4 R_4 R_5 R_L g_m s + C_4 R_4 R_L s + C_L L_L}$$

10.263 INVALID-ORDER-263 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{\left(R_5 g_m - 1\right)\left(C_4 R_4 s + 1\right)\left(C_L L_L R_L s^2 + L_L s + R\right.}{C_4 C_L L_L R_4 R_5 g_m s^3 + 2 C_4 C_L L_L R_4 R_L g_m s^3 + C_4 C_L L_L R_4 s^3 + 2 C_4 C_L L_L R_5 R_L g_m s^3 + 2 C_4 C_L L_L R_L s^3 + 2 C_4 L_L R_4 g_m s^2 + 2 C_4 L_L R_5 g_m s^2 + 2 C_4 L_L s^2 + C_4 R_4 R_5 g_m s + 2 C_4 R}$$

10.264 INVALID-ORDER-264 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{R_L\left(R_5 g_m - 1\right)\left(C_4 R_4 s + 1\right)\left(C_L L_L s^2 + 1\right.}{C_4 C_L L_L R_4 R_5 g_m s^3 + 2 C_4 C_L L_L R_4 R_L g_m s^3 + C_4 C_L L_L R_4 s^3 + 2 C_4 C_L L_L R_5 R_L g_m s^3 + 2 C_4 C_L L_L R_L s^3 + C_4 C_L R_4 R_5 R_L g_m s^2 + C_4 C_L R_4 R_L s^2 + C_4 R_4 R_5 g_m s + 2 C_4 R_4 R_L g_m}$$

10.265 INVALID-ORDER-265 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_5 s - g_m)(C_4 R_4 s + 1)}{s\left(C_4 C_5 C_L R_4 s^2 + 2C_4 C_5 R_4 g_m s + 2C_4 C_5 s + C_4 C_L R_4 g_m s + 2C_4 g_m + C_5 C_L s + 2C_5 g_m + C_L g_m\right)}$$

10.266 INVALID-ORDER-266 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{R_L (C_5 s - g_m)(C_4 R_4 s + 1)}{C_4 C_5 C_L R_4 R_L s^3 + 2C_4 C_5 R_4 R_L g_m s^2 + C_4 C_5 R_4 s^2 + 2C_4 C_5 R_L s^2 + C_4 C_L R_4 R_L g_m s^2 + C_4 R_4 g_m s + 2C_4 R_L g_m s + C_5 C_L R_L s^2 + 2C_5 R_L g_m s + C_5 s + C_L R_L g_m s + g_m}$$

10.267 INVALID-ORDER-267 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_5 s - g_m)(C_4 R_4 s + 1)(C_L R_L s + 1)}{s\left(2C_4 C_5 C_L R_4 R_L g_m s^2 + C_4 C_5 C_L R_4 s^2 + 2C_4 C_5 C_L R_L s^2 + 2C_4 C_5 R_4 g_m s + 2C_4 C_5 s + C_4 C_L R_4 g_m s + 2C_4 C_L R_L g_m s + 2C_4 g_m + 2C_5 C_L R_L g_m s + C_5 C_L s + 2C_5 g_m + C_L g_m\right.}$$

10.268 INVALID-ORDER-268 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_5 s - g_m)(C_4 R_4 s + 1)\left(C_L L_L s^2 + 1\right)}{s\left(2C_4 C_5 C_L L_L R_4 g_m s^3 + 2C_4 C_5 C_L L_L s^3 + C_4 C_5 C_L R_4 s^2 + 2C_4 C_5 R_4 g_m s + 2C_4 C_5 s + 2C_4 C_L L_L g_m s^2 + C_4 C_L R_4 g_m s + 2C_4 g_m + 2C_5 C_L L_L g_m s^2 + C_5 C_L s + 2C_5 g_m + C_L g\right.}$$

10.269 INVALID-ORDER-269 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{L_L s (C_5 s - g_m)(C_4 R_4 s + 1)}{C_4 C_5 C_L L_L R_4 s^4 + 2C_4 C_5 L_L R_4 g_m s^3 + 2C_4 C_5 L_L s^3 + C_4 C_5 R_4 s^2 + C_4 C_L L_L R_4 g_m s^3 + 2C_4 L_L g_m s^2 + C_4 R_4 g_m s + C_5 C_L L_L s^3 + 2C_5 L_L g_m s^2 + C_5 s + C_L L_L g_m s^2 + g_m}$$

10.270 INVALID-ORDER-270 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_5 s - g_m)(C_4 R_4 s + 1)\left(C_L L_L s^2 + C_L R_L s + 1\right)}{s\left(2C_4 C_5 C_L L_L R_4 g_m s^3 + 2C_4 C_5 C_L L_L s^3 + 2C_4 C_5 C_L R_4 R_L g_m s^2 + C_4 C_5 C_L R_4 s^2 + 2C_4 C_5 C_L R_L s^2 + 2C_4 C_5 R_4 g_m s + 2C_4 C_5 s + 2C_4 C_L L_L g_m s^2 + C_4 C_L R_4 g_m s + 2C_4 C_L R\right.}$$

10.271 INVALID-ORDER-271 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = -\frac{L_L R_L s \left(C_5 s - g_m\right) \left(C_4 R_4 s + 1\right)}{C_4 C_5 C_L L_L R_4 R_L s^4 + 2 C_4 C_5 L_L R_4 R_L g_m s^3 + C_4 C_5 L_L R_4 s^3 + 2 C_4 C_5 L_L R_L s^3 + C_4 C_5 R_4 R_L s^2 + C_4 C_L L_L R_4 R_L g_m s^3 + C_4 L_L R_4 g_m s^2 + 2 C_4 L_L R_L g_m s^2 + C_4 R_4 R_L g_m s + C}$$

10.272 INVALID-ORDER-272 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = -\frac{\left(C_5 s - g_m\right) \left(C_4 R_4 s + 1\right) \left(C_L L_L R_L s^2\right.}{2 C_4 C_5 C_L L_L R_4 R_L g_m s^4 + C_4 C_5 C_L L_L R_4 s^4 + 2 C_4 C_5 C_L L_L R_L s^4 + 2 C_4 C_5 L_L R_4 g_m s^3 + 2 C_4 C_5 L_L s^3 + 2 C_4 C_5 R_4 R_L g_m s^2 + C_4 C_5 R_4 s^2 + 2 C_4 C_5 R_L s^2 + C_4 C_L L_L R_4 g_m s^3 + 2}$$

10.273 INVALID-ORDER-273 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{R_L \left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = -\frac{R_L \left(C_5 s - g_m\right) \left(C_4 R_4 s + 1\right) \left(C_\right.}{2 C_4 C_5 C_L L_L R_4 R_L g_m s^4 + C_4 C_5 C_L L_L R_4 s^4 + 2 C_4 C_5 C_L L_L R_L s^4 + C_4 C_5 C_L R_4 R_L s^3 + 2 C_4 C_5 R_4 R_L g_m s^2 + C_4 C_5 R_4 s^2 + 2 C_4 C_5 R_L s^2 + C_4 C_L L_L R_4 g_m s^3 + 2 C_4 C_L L_L R_L g_m}$$

10.274 INVALID-ORDER-274 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s + 1},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4 R_4 s + 1\right) \left(C_5 R_5 s - R_5 g_m + 1\right)}{C_4 C_5 C_L R_4 R_5 s^3 + 2 C_4 C_5 R_4 R_5 g_m s^2 + 2 C_4 C_5 R_5 s^2 + C_4 C_L R_4 R_5 g_m s^2 + C_4 C_L R_4 s^2 + 2 C_4 R_4 g_m s + 2 C_4 R_5 g_m s + 2 C_4 s + C_5 C_L R_5 s^2 + 2 C_5 R_5 g_m s + C_L R_5 g_m s + C_L s + 2 g}$$

10.275 INVALID-ORDER-275 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s + 1},\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = -\frac{R_L \left(C_4 R_4 s + 1\right) \left(C_5 R_5 s - R_5 g_m + 1\right)}{C_4 C_5 C_L R_4 R_5 R_L s^3 + 2 C_4 C_5 R_4 R_5 R_L g_m s^2 + C_4 C_5 R_4 R_5 s^2 + 2 C_4 C_5 R_5 R_L s^2 + C_4 C_L R_4 R_5 R_L g_m s^2 + C_4 C_L R_4 R_L s^2 + C_4 R_4 R_5 g_m s + 2 C_4 R_4 R_L g_m s + C_4 R_4 s + 2 C_4 R_5 R_L g}$$

10.276 INVALID-ORDER-276 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_4 R_4 s+1)\,(C_L R_L s+1)\,(C_5 R_5 s - R}{2C_4C_5C_LR_4R_5R_Lg_ms^3 + C_4C_5C_LR_4R_5s^3 + 2C_4C_5C_LR_5R_Ls^3 + 2C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_5s^2 + C_4C_LR_4R_5g_ms^2 + 2C_4C_LR_4R_Lg_ms^2 + C_4C_LR_4s^2 + 2C_4C_LR_5R_Lg_m}$$

10.277 INVALID-ORDER-277 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_4 R_4 s+1)\left(C_L L_L s^2+1\right)(C_5 R_5 s - R}{2C_4C_5C_LL_LR_4R_5g_ms^4 + 2C_4C_5C_LL_LR_5s^4 + C_4C_5C_LR_4R_5s^3 + 2C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_5s^2 + 2C_4C_LL_LR_4g_ms^3 + 2C_4C_LL_LR_5g_ms^3 + 2C_4C_LL_Ls^3 + C_4C_LR_4R_5g_m}$$

10.278 INVALID-ORDER-278 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{L_L s\,(C_4 R_4 s+1)\,(C_5 R_5 s - R_5 g_m + 1)}{C_4C_5C_LL_LR_4R_5s^4 + 2C_4C_5L_LR_4R_5g_ms^3 + 2C_4C_5L_LR_5s^3 + C_4C_5R_4R_5s^2 + C_4C_LL_LR_4R_5g_ms^3 + C_4C_LL_LR_4s^3 + 2C_4L_LR_4g_ms^2 + 2C_4L_LR_5g_ms^2 + 2C_4L_Ls^2 + C_4R_4}$$

10.279 INVALID-ORDER-279 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_LR_4R_5g_ms^4 + 2C_4C_5C_LL_LR_5s^4 + 2C_4C_5C_LR_4R_5R_Lg_ms^3 + C_4C_5C_LR_4R_5s^3 + 2C_4C_5C_LR_5R_Ls^3 + 2C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_5s^2 + 2C_4C_LL_LR_4g_ms^3 + 2C}$$

10.280 INVALID-ORDER-280 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_LR_4R_5R_Ls^4 + 2C_4C_5L_LR_4R_5R_Lg_ms^3 + C_4C_5L_LR_4R_5s^3 + 2C_4C_5L_LR_5R_Ls^3 + C_4C_5R_4R_5R_Ls^2 + C_4C_LL_LR_4R_5R_Lg_ms^3 + C_4C_LL_LR_4R_Ls^3 + C_4L_LR_4R_5g_m}$$

10.281 INVALID-ORDER-281 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_LR_4R_5R_Lg_ms^4 + C_4C_5C_LL_LR_4R_5s^4 + 2C_4C_5C_LL_LR_5R_Ls^4 + 2C_4C_5L_LR_4R_5g_ms^3 + 2C_4C_5L_LR_5s^3 + 2C_4C_5R_4R_5R_Lg_ms^2 + C_4C_5R_4R_5s^2 + 2C_4C_5R_5R_Ls^2}$$

10.282 INVALID-ORDER-282 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_LR_4R_5R_Lg_ms^4 + C_4C_5C_LL_LR_4R_5s^4 + 2C_4C_5C_LL_LR_5R_Ls^4 + C_4C_5C_LR_4R_5R_Ls^3 + 2C_4C_5R_4R_5R_Lg_ms^2 + C_4C_5R_4R_5s^2 + 2C_4C_5R_5R_Ls^2 + C_4C_LL_LR_4R_5g_}$$

10.283 INVALID-ORDER-283 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{(C_4R_4s+1)\left(C_5R_5g_ms - C_5s + g_m\right)}{s\left(C_4C_5C_LR_4R_5g_ms^2 + C_4C_5C_LR_4s^2 + 2C_4C_5R_4g_ms + 2C_4C_5R_5g_ms + 2C_4C_5s + C_4C_LR_4g_ms + 2C_4g_m + C_5C_LR_5g_ms + C_5C_Ls + 2C_5g_m + C_Lg_m\right)}$$

10.284 INVALID-ORDER-284 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_L\left(C_4R_4s+1\right)\left(C_5R_5g_ms - C_5s + g_m\right)}{C_4C_5C_LR_4R_5R_Lg_ms^3 + C_4C_5C_LR_4R_Ls^3 + C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_4R_Lg_ms^2 + C_4C_5R_4s^2 + 2C_4C_5R_5R_Lg_ms^2 + 2C_4C_5R_Ls^2 + C_4C_LR_4R_Lg_ms^2 + C_4R_4g_ms + 2C_4R_L}$$

10.285 INVALID-ORDER-285 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(C_4R_4s+1)\left(C_LR_Ls+1\right)\left(C_5R_5g_ms - C_5s + g_m\right)}{s\left(C_4C_5C_LR_4R_5g_ms^2 + 2C_4C_5C_LR_4R_Lg_ms^2 + C_4C_5C_LR_4s^2 + 2C_4C_5C_LR_5R_Lg_ms^2 + 2C_4C_5C_LR_Ls^2 + 2C_4C_5R_4g_ms + 2C_4C_5R_5g_ms + 2C_4C_5s + C_4C_LR_4g_ms + 2C_4C_L}$$

10.286 INVALID-ORDER-286 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(C_4R_4s+1)\left(C_LL_Ls^2+1\right)\left(C_5R_5g_ms - C_5s + g_m\right)}{s\left(2C_4C_5C_LL_LR_4g_ms^3 + 2C_4C_5C_LL_LR_5g_ms^3 + 2C_4C_5C_LL_Ls^3 + C_4C_5C_LR_4R_5g_ms^2 + C_4C_5C_LR_4s^2 + 2C_4C_5R_4g_ms + 2C_4C_5R_5g_ms + 2C_4C_5s + 2C_4C_LL_Lg_ms^2 + C_4C_L}$$

10.287 INVALID-ORDER-287 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_Ls\left(C_4R_4s+1\right)\left(C_5R_5g_ms - C_5s + g_m\right)}{C_4C_5C_LL_LR_4R_5g_ms^4 + C_4C_5C_LL_LR_4s^4 + 2C_4C_5L_LR_4g_ms^3 + 2C_4C_5L_LR_5g_ms^3 + 2C_4C_5L_Ls^3 + C_4C_5R_4R_5g_ms^2 + C_4C_5R_4s^2 + C_4C_LL_LR_4g_ms^3 + 2C_4L_Lg_ms^2 + C_4R_4g}$$

10.288 INVALID-ORDER-288 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(C_4 R_4 s + 1)\left(C_L L_L s^2 + C_L}{s\left(2C_4C_5C_L L_L R_4 g_m s^3 + 2C_4C_5C_L L_L R_5 g_m s^3 + 2C_4C_5C_L L_L s^3 + C_4C_5C_L R_4 R_5 g_m s^2 + 2C_4C_5C_L R_4 R_L g_m s^2 + C_4C_5C_L R_4 s^2 + 2C_4C_5C_L R_5 R_L g_m s^2 + 2C_4C_5C_L R_L s^2 + 2C\right.}$$

10.289 INVALID-ORDER-289 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_L L_L R_4 R_5 R_L g_m s^4 + C_4C_5C_L L_L R_4 R_L s^4 + C_4C_5L_L R_4 R_5 g_m s^3 + 2C_4C_5L_L R_4 R_L g_m s^3 + C_4C_5L_L R_4 s^3 + 2C_4C_5L_L R_5 R_L g_m s^3 + 2C_4C_5L_L R_L s^3 + C_4C_5R_4 R_5 R_L g_m s^{}}$$

10.290 INVALID-ORDER-290 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = \frac{}{C_4C_5C_L L_L R_4 R_5 g_m s^4 + 2C_4C_5C_L L_L R_4 R_L g_m s^4 + C_4C_5C_L L_L R_4 s^4 + 2C_4C_5C_L L_L R_5 R_L g_m s^4 + 2C_4C_5C_L L_L R_L s^4 + 2C_4C_5L_L R_4 g_m s^3 + 2C_4C_5L_L R_5 g_m s^3 + 2C_4C_5L_L s^3 +}$$

10.291 INVALID-ORDER-291 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_L L_L R_4 R_5 g_m s^4 + 2C_4C_5C_L L_L R_4 R_L g_m s^4 + C_4C_5C_L L_L R_4 s^4 + 2C_4C_5C_L L_L R_5 R_L g_m s^4 + 2C_4C_5C_L L_L R_L s^4 + C_4C_5C_L R_4 R_5 R_L g_m s^3 + C_4C_5C_L R_4 R_L s^3 + C_4C_5R_4 L}$$

10.292 INVALID-ORDER-292 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_4 R_4 s + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{C_4C_5L_5R_4 g_m s^3 + 2C_4C_5L_5R_L g_m s^3 + 2C_4C_5R_4R_L g_m s^2 + C_4C_5R_4 s^2 + 2C_4C_5R_L s^2 + C_4R_4 g_m s + 2C_4R_L g_m s + C_5L_5 g_m s^2 + 2C_5R_L g_m s + C_5 s + g_m}$$

10.293 INVALID-ORDER-293 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{(C_4 R_4 s + 1)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{s\left(C_4 C_5 C_L L_5 R_4 g_m s^3 + C_4 C_5 C_L R_4 s^2 + 2C_4 C_5 L_5 g_m s^2 + 2C_4 C_5 R_4 g_m s + 2C_4 C_5 s + C_4 C_L R_4 g_m s + 2C_4 g_m + C_5 C_L L_5 g_m s^2 + C_5 C_L s + 2C_5 g_m + C_L g_m\right)}$$

10.294 INVALID-ORDER-294 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = \frac{R_L\left(C_4 R_4 s + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{C_4 C_5 C_L L_5 R_4 R_L g_m s^4 + C_4 C_5 C_L R_4 R_L s^3 + C_4 C_5 L_5 R_4 g_m s^3 + 2C_4 C_5 L_5 R_L g_m s^3 + 2C_4 C_5 R_4 R_L g_m s^2 + C_4 C_5 R_4 s^2 + 2C_4 C_5 R_L s^2 + C_4 C_L R_4 R_L g_m s^2 + C_4 R_4 g_m s + 2C_4 R_L g$$

10.295 INVALID-ORDER-295 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(C_4 R_4 s + 1)\left(C_L R_L s + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{s\left(C_4 C_5 C_L L_5 R_4 g_m s^3 + 2C_4 C_5 C_L L_5 R_L g_m s^3 + 2C_4 C_5 C_L R_4 R_L g_m s^2 + C_4 C_5 C_L R_4 s^2 + 2C_4 C_5 C_L R_L s^2 + 2C_4 C_5 L_5 g_m s^2 + 2C_4 C_5 R_4 g_m s + 2C_4 C_5 s + C_4 C_L R_4 g_m s + 2C_4 C_L$$

10.296 INVALID-ORDER-296 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(C_4 R_4 s + 1)\left(C_L L_L s^2 + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{s\left(2C_4 C_5 C_L L_5 L_L g_m s^4 + C_4 C_5 C_L L_5 R_4 g_m s^3 + 2C_4 C_5 C_L L_L R_4 g_m s^3 + 2C_4 C_5 C_L L_L s^3 + C_4 C_5 C_L R_4 s^2 + 2C_4 C_5 L_5 g_m s^2 + 2C_4 C_5 R_4 g_m s + 2C_4 C_5 s + 2C_4 C_L L_L g_m s^2 + C_4 C_L$$

10.297 INVALID-ORDER-297 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{L_L s\left(C_4 R_4 s + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{C_4 C_5 C_L L_5 L_L R_4 g_m s^5 + C_4 C_5 C_L L_L R_4 s^4 + 2C_4 C_5 L_5 L_L g_m s^4 + C_4 C_5 L_5 R_4 g_m s^3 + 2C_4 C_5 L_L R_4 g_m s^3 + 2C_4 C_5 L_L s^3 + C_4 C_5 R_4 s^2 + C_4 C_L L_L R_4 g_m s^3 + 2C_4 L_L g_m s^2 + C_4 R_4 g$$

10.298 INVALID-ORDER-298 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(C_4 R_4 s + 1)\left(C_L L_L s^2 + C_L\right.}{s\left(2C_4 C_5 C_L L_5 L_L g_m s^4 + C_4 C_5 C_L L_5 R_4 g_m s^3 + 2C_4 C_5 C_L L_5 R_L g_m s^3 + 2C_4 C_5 C_L L_L R_4 g_m s^3 + 2C_4 C_5 C_L L_L s^3 + 2C_4 C_5 C_L R_4 R_L g_m s^2 + C_4 C_5 C_L R_4 s^2 + 2C_4 C_5 C_L R_L s^2 + 2C\right.}$$

10.299 INVALID-ORDER-299 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_5L_LR_4R_Lg_ms^5 + C_4C_5C_LL_LR_4R_Ls^4 + C_4C_5L_5L_LR_4g_ms^4 + 2C_4C_5L_5L_LR_Lg_ms^4 + C_4C_5L_5R_4R_Lg_ms^3 + 2C_4C_5L_LR_4R_Lg_ms^3 + C_4C_5L_LR_4s^3 + 2C_4C_5L_LR_Ls^3}$$

10.300 INVALID-ORDER-300 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = \frac{}{C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_LR_Lg_ms^5 + 2C_4C_5C_LL_LR_4R_Lg_ms^4 + C_4C_5C_LL_LR_4s^4 + 2C_4C_5C_LL_LR_Ls^4 + 2C_4C_5L_5L_Lg_ms^4 + C_4C_5L_5R_4g_ms^3 + 2C_4C_5L_5R_Lg_m}$$

10.301 INVALID-ORDER-301 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_LR_Lg_ms^5 + C_4C_5C_LL_5R_4R_Lg_ms^4 + 2C_4C_5C_LL_LR_4R_Lg_ms^4 + C_4C_5C_LL_LR_4s^4 + 2C_4C_5C_LL_LR_Ls^4 + C_4C_5C_LR_4R_Ls^3 + C_4C_5L_5R}$$

10.302 INVALID-ORDER-302 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1},\ R_L\right)$

$$H(s) = -\frac{R_L\left(C_4R_4s + 1\right)\left(C_5L_5s^2 - L_5g_ms + 1\right)}{2C_4C_5L_5R_4R_Lg_ms^3 + C_4C_5L_5R_4s^3 + 2C_4C_5L_5R_Ls^3 + C_4L_5R_4g_ms^2 + 2C_4L_5R_Lg_ms^2 + 2C_4R_4R_Lg_ms + C_4R_4s + 2C_4R_Ls + 2C_5L_5R_Lg_ms^2 + C_5L_5s^2 + L_5g_ms + 2R_Lg}$$

10.303 INVALID-ORDER-303 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4R_4s + 1\right)\left(C_5L_5s^2 - L_5g_ms + 1\right)}{C_4C_5C_LL_5R_4s^4 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5L_5s^3 + C_4C_LL_5R_4g_ms^3 + C_4C_LR_4s^2 + 2C_4L_5g_ms^2 + 2C_4R_4g_ms + 2C_4s + C_5C_LL_5s^3 + 2C_5L_5g_ms^2 + C_LL_5g_ms^2 + C_Ls +}$$

10.304 INVALID-ORDER-304 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{R_L\left(C_4 R_4 s+1\right)\left(C_5 L_5 s^2 - L_5 g_m s + 1\right)}{C_4 C_5 C_L L_5 R_4 R_L s^4 + 2C_4 C_5 L_5 R_4 R_L g_m s^3 + C_4 C_5 L_5 R_4 s^3 + 2C_4 C_5 L_5 R_L s^3 + C_4 C_L L_5 R_4 R_L g_m s^3 + C_4 C_L R_4 R_L s^2 + C_4 L_5 R_4 g_m s^2 + 2C_4 L_5 R_L g_m s^2 + 2C_4 R_4 R_L g_m s + C_4}$$

10.305 INVALID-ORDER-305 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4 R_4 s+1\right)\left(C_L R_L s+1\right)\left(C_5 L_5 s^2 - L\right.}{2C_4 C_5 C_L L_5 R_4 R_L g_m s^4 + C_4 C_5 C_L L_5 R_4 s^4 + 2C_4 C_5 C_L L_5 R_L s^4 + 2C_4 C_5 L_5 R_4 g_m s^3 + 2C_4 C_5 L_5 s^3 + C_4 C_L L_5 R_4 g_m s^3 + 2C_4 C_L L_5 R_L g_m s^3 + 2C_4 C_L R_4 R_L g_m s^2 + C_4 C_L R_4 s}$$

10.306 INVALID-ORDER-306 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4 R_4 s+1\right)\left(C_L L_L s^2+1\right)\left(C_5 L_5 s^2 - L\right.}{2C_4 C_5 C_L L_5 L_L R_4 g_m s^5 + 2C_4 C_5 C_L L_5 L_L s^5 + C_4 C_5 C_L L_5 R_4 s^4 + 2C_4 C_5 L_5 R_4 g_m s^3 + 2C_4 C_5 L_5 s^3 + 2C_4 C_L L_5 L_L g_m s^4 + C_4 C_L L_5 R_4 g_m s^3 + 2C_4 C_L L_L R_4 g_m s^3 + 2C_4 C_L L_L s}$$

10.307 INVALID-ORDER-307 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{L_L s\left(C_4 R_4 s+1\right)\left(C_5 L_5 s^2 - L_5 g_m s + 1\right)}{C_4 C_5 C_L L_5 L_L R_4 s^5 + 2C_4 C_5 L_5 L_L R_4 g_m s^4 + 2C_4 C_5 L_5 L_L s^4 + C_4 C_5 L_5 R_4 s^3 + C_4 C_L L_5 L_L R_4 g_m s^4 + C_4 C_L L_L R_4 s^3 + 2C_4 L_5 L_L g_m s^3 + C_4 L_5 R_4 g_m s^2 + 2C_4 L_L R_4 g_m s^2 + 2C}$$

10.308 INVALID-ORDER-308 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4 C_5 C_L L_5 L_L R_4 g_m s^5 + 2C_4 C_5 C_L L_5 L_L s^5 + 2C_4 C_5 C_L L_5 R_4 R_L g_m s^4 + C_4 C_5 C_L L_5 R_4 s^4 + 2C_4 C_5 C_L L_5 R_L s^4 + 2C_4 C_5 L_5 R_4 g_m s^3 + 2C_4 C_5 L_5 s^3 + 2C_4 C_L L_5 L_L g_m s^4 + C_4 C}$$

10.309 INVALID-ORDER-309 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_5L_LR_4R_Ls^5 + 2C_4C_5L_5L_LR_4R_Lg_ms^4 + C_4C_5L_5L_LR_4s^4 + 2C_4C_5L_5L_LR_Ls^4 + C_4C_5L_5R_4R_Ls^3 + C_4C_LL_5L_LR_4R_Lg_ms^4 + C_4C_LL_LR_4R_Ls^3 + C_4L_5L_LR_4g_ms^3}$$

10.310 INVALID-ORDER-310 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_Lg_ms^5 + C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5C_LL_5L_LR_Ls^5 + 2C_4C_5L_5L_LR_4g_ms^4 + 2C_4C_5L_5L_Ls^4 + 2C_4C_5L_5R_4R_Lg_ms^3 + C_4C_5L_5R_4s^3 + 2C_4C_5L_5R_Ls^3 +}$$

10.311 INVALID-ORDER-311 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_Lg_ms^5 + C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5C_LL_5L_LR_Ls^5 + C_4C_5C_LL_5R_4R_Ls^4 + 2C_4C_5L_5R_4R_Lg_ms^3 + C_4C_5L_5R_4s^3 + 2C_4C_5L_5R_Ls^3 + C_4C_LL_5L_LR_4g_m}$$

10.312 INVALID-ORDER-312 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_4R_4s+1\right)\left(C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m\right)}{C_4C_5L_5R_4g_ms^3 + 2C_4C_5L_5R_Lg_ms^3 + C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_4R_Lg_ms^2 + C_4C_5R_4s^2 + 2C_4C_5R_5R_Lg_ms^2 + 2C_4C_5R_Ls^2 + C_4R_4g_ms + 2C_4R_Lg_ms + C_5L_5g_ms^2 + C_5R_5}$$

10.313 INVALID-ORDER-313 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4R_4s+1\right)\left(C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m\right)}{s\left(C_4C_5C_LL_5R_4g_ms^3 + C_4C_5C_LR_4R_5g_ms^2 + C_4C_5C_LR_4s^2 + 2C_4C_5L_5g_ms^2 + 2C_4C_5R_4g_ms + 2C_4C_5R_5g_ms + 2C_4C_5s + C_4C_LR_4g_ms + 2C_4g_m + C_5C_LL_5g_ms^2 + C_5C_LR_5}$$

10.314 INVALID-ORDER-314 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_L \left(C_4 R_4 s + 1\right) \left(C_5}{C_4 C_5 C_L L_5 R_4 R_L g_m s^4 + C_4 C_5 C_L R_4 R_5 R_L g_m s^3 + C_4 C_5 C_L R_4 R_L s^3 + C_4 C_5 L_5 R_4 g_m s^3 + 2 C_4 C_5 L_5 R_L g_m s^3 + C_4 C_5 R_4 R_5 g_m s^2 + 2 C_4 C_5 R_4 R_L g_m s^2 + C_4 C_5 R_4 s^2 + 2 C_4 C_5 R_5 R}$$

10.315 INVALID-ORDER-315 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4 R_4 s + 1\right) \left(C_L R_L s + 1\right) \left(C_5 L_5 g_m s^2 +}{s \left(C_4 C_5 C_L L_5 R_4 g_m s^3 + 2 C_4 C_5 C_L L_5 R_L g_m s^3 + C_4 C_5 C_L R_4 R_5 g_m s^2 + 2 C_4 C_5 C_L R_4 R_L g_m s^2 + C_4 C_5 C_L R_4 s^2 + 2 C_4 C_5 C_L R_5 R_L g_m s^2 + 2 C_4 C_5 C_L R_L s^2 + 2 C_4 C_5 L_5 g_m s^2 + 2 C_4}$$

10.316 INVALID-ORDER-316 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4 R_4 s + 1\right) \left(C_L L_L s^2 + 1\right) \left(C_5 L_5 g_m s^2 +}{s \left(2 C_4 C_5 C_L L_5 L_L g_m s^4 + C_4 C_5 C_L L_5 R_4 g_m s^3 + 2 C_4 C_5 C_L L_L R_4 g_m s^3 + 2 C_4 C_5 C_L L_L R_5 g_m s^3 + 2 C_4 C_5 C_L L_L s^3 + C_4 C_5 C_L R_4 R_5 g_m s^2 + C_4 C_5 C_L R_4 s^2 + 2 C_4 C_5 L_5 g_m s^2 + 2 C_4 C}$$

10.317 INVALID-ORDER-317 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L s \left(C_4 R_4 s + 1\right) \left(C}{C_4 C_5 C_L L_5 L_L R_4 g_m s^5 + C_4 C_5 C_L L_L R_4 R_5 g_m s^4 + C_4 C_5 C_L L_L R_4 s^4 + 2 C_4 C_5 L_5 L_L g_m s^4 + C_4 C_5 L_5 R_4 g_m s^3 + 2 C_4 C_5 L_L R_4 g_m s^3 + 2 C_4 C_5 L_L R_5 g_m s^3 + 2 C_4 C_5 L_L s^3 + C_4 C_5 R_4}$$

10.318 INVALID-ORDER-318 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{s \left(2 C_4 C_5 C_L L_5 L_L g_m s^4 + C_4 C_5 C_L L_5 R_4 g_m s^3 + 2 C_4 C_5 C_L L_5 R_L g_m s^3 + 2 C_4 C_5 C_L L_L R_4 g_m s^3 + 2 C_4 C_5 C_L L_L R_5 g_m s^3 + 2 C_4 C_5 C_L L_L s^3 + C_4 C_5 C_L R_4 R_5 g_m s^2 + 2 C_4 C_5 C_L R_4 R_L}$$

10.319 INVALID-ORDER-319 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_5L_LR_4R_Lg_ms^5 + C_4C_5C_LL_LR_4R_5R_Lg_ms^4 + C_4C_5C_LL_LR_4R_Ls^4 + C_4C_5L_5L_LR_4g_ms^4 + 2C_4C_5L_5L_LR_Lg_ms^4 + C_4C_5L_5R_4R_Lg_ms^3 + C_4C_5L_LR_4R_5g_ms^3 + 2C_4C$$

10.320 INVALID-ORDER-320 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = \frac{}{C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_LR_Lg_ms^5 + C_4C_5C_LL_LR_4R_5g_ms^4 + 2C_4C_5C_LL_LR_4R_Lg_ms^4 + C_4C_5C_LL_LR_4s^4 + 2C_4C_5C_LL_LR_5R_Lg_ms^4 + 2C_4C_5C_LL_LR_Ls^4 + 2C$$

10.321 INVALID-ORDER-321 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_LR_Lg_ms^5 + C_4C_5C_LL_5R_4R_Lg_ms^4 + C_4C_5C_LL_LR_4R_5g_ms^4 + 2C_4C_5C_LL_LR_4R_Lg_ms^4 + C_4C_5C_LL_LR_4s^4 + 2C_4C_5C_LL_LR_5R_Lg_ms^4 -$$

10.322 INVALID-ORDER-322 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L\right)$

$$H(s) = -\frac{R_L\left(C_4R_4s + 1\right)\left(C_5L_5R_5s^2 - L_5R_5g_ms + L_5s + R_5\right)}{2C_4C_5L_5R_4R_5R_Lg_ms^3 + C_4C_5L_5R_4R_5s^3 + 2C_4C_5L_5R_5R_Ls^3 + C_4L_5R_4R_5g_ms^2 + 2C_4L_5R_4R_Lg_ms^2 + C_4L_5R_4s^2 + 2C_4L_5R_5R_Lg_ms^2 + 2C_4L_5R_Ls^2 + 2C_4R_4R_5R_Lg_ms +$$

10.323 INVALID-ORDER-323 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4R_4s + 1\right)\left(C_5L_5R_5s^2 - L_5R_5g_ms + L_5s + R_5\right)}{C_4C_5C_LL_5R_4R_5s^4 + 2C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_5s^3 + C_4C_LL_5R_4R_5g_ms^3 + C_4C_LL_5R_4s^3 + C_4C_LR_4R_5s^2 + 2C_4L_5R_4g_ms^2 + 2C_4L_5R_5g_ms^2 + 2C_4L_5s^2 + 2C_4R_4R$$

10.324 INVALID-ORDER-324 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_5R_4R_5R_Ls^4 + 2C_4C_5L_5R_4R_5R_Lg_ms^3 + C_4C_5L_5R_4R_5s^3 + 2C_4C_5L_5R_5R_Ls^3 + C_4C_LL_5R_4R_5R_Lg_ms^3 + C_4C_LL_5R_4R_Ls^3 + C_4C_LR_4R_5R_Ls^2 + C_4L_5R_4R_5g_ms^2}$$

10.325 INVALID-ORDER-325 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5R_4R_5R_Lg_ms^4 + C_4C_5C_LL_5R_4R_5s^4 + 2C_4C_5C_LL_5R_5R_Ls^4 + 2C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_5s^3 + C_4C_LL_5R_4R_5g_ms^3 + 2C_4C_LL_5R_4R_Lg_ms^3 + C_4C_LL_5R_4}$$

10.326 INVALID-ORDER-326 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_5L_LR_5s^5 + C_4C_5C_LL_5R_4R_5s^4 + 2C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_5s^3 + 2C_4C_LL_5L_LR_4g_ms^4 + 2C_4C_LL_5L_LR_5g_ms^4 + 2C_4C_LL_5}$$

10.327 INVALID-ORDER-327 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_5L_LR_4R_5s^5 + 2C_4C_5L_5L_LR_4R_5g_ms^4 + 2C_4C_5L_5L_LR_5s^4 + C_4C_5L_5R_4R_5s^3 + C_4C_LL_5L_LR_4R_5g_ms^4 + C_4C_LL_5L_LR_4s^4 + C_4C_LL_LR_4R_5s^3 + 2C_4L_5L_LR_4g_ms^3}$$

10.328 INVALID-ORDER-328 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_5L_LR_5s^5 + 2C_4C_5C_LL_5R_4R_5R_Lg_ms^4 + C_4C_5C_LL_5R_4R_5s^4 + 2C_4C_5C_LL_5R_5R_Ls^4 + 2C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_5s^3 + 2C_4C}$$

10.329 INVALID-ORDER-329 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_5L_LR_4R_5R_Ls^5 + 2C_4C_5L_5L_LR_4R_5R_Lg_ms^4 + C_4C_5L_5L_LR_4R_5s^4 + 2C_4C_5L_5L_LR_5R_Ls^4 + C_4C_5L_5R_4R_5R_Ls^3 + C_4C_LL_5L_LR_4R_5R_Lg_ms^4 + C_4C_LL_5L_LR_4R_Ls$$

10.330 INVALID-ORDER-330 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_5R_Lg_ms^5 + C_4C_5C_LL_5L_LR_4R_5s^5 + 2C_4C_5C_LL_5L_LR_5R_Ls^5 + 2C_4C_5L_5L_LR_4R_5g_ms^4 + 2C_4C_5L_5L_LR_5s^4 + 2C_4C_5L_5R_4R_5R_Lg_ms^3 + C_4C_5L_5R_4R_5s^3$$

10.331 INVALID-ORDER-331 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4R_5R_Lg_ms^5 + C_4C_5C_LL_5L_LR_4R_5s^5 + 2C_4C_5C_LL_5L_LR_5R_Ls^5 + C_4C_5C_LL_5R_4R_5R_Ls^4 + 2C_4C_5L_5R_4R_5R_Lg_ms^3 + C_4C_5L_5R_4R_5s^3 + 2C_4C_5L_5R_5R_Ls^3$$

10.332 INVALID-ORDER-332 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ R_L\right)$

$$H(s) = \frac{R_L\left(C_4R_4s + 1\right)\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_4R_Lg_ms^3 + C_4C_5L_5R_4s^3 + 2C_4C_5L_5R_5R_Lg_ms^3 + 2C_4C_5L_5R_Ls^3 + C_4L_5R_4g_ms^2 + 2C_4L_5R_Lg_ms^2 + C_4R_4R_5g_ms + 2C_4R_4R_Lg_ms + C_4R_4}$$

10.333 INVALID-ORDER-333 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4R_4s + 1\right)\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{C_4C_5C_LL_5R_4R_5g_ms^4 + C_4C_5C_LL_5R_4s^4 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5L_5R_5g_ms^3 + 2C_4C_5L_5s^3 + C_4C_LL_5R_4g_ms^3 + C_4C_LR_4R_5g_ms^2 + C_4C_LR_4s^2 + 2C_4L_5g_ms^2 + 2C_4R_4g$$

10.334 INVALID-ORDER-334 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_5R_4R_5R_Lg_ms^4 + C_4C_5C_LL_5R_4R_Ls^4 + C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_4R_Lg_ms^3 + C_4C_5L_5R_4s^3 + 2C_4C_5L_5R_5R_Lg_ms^3 + 2C_4C_5L_5R_Ls^3 + C_4C_LL_5R_4R_Lg_ms^3 +}$$

10.335 INVALID-ORDER-335 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_5R_4R_5g_ms^4 + 2C_4C_5C_LL_5R_4R_Lg_ms^4 + C_4C_5C_LL_5R_4s^4 + 2C_4C_5C_LL_5R_5R_Lg_ms^4 + 2C_4C_5C_LL_5R_Ls^4 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5L_5R_5g_ms^3 + 2C_4C_5L_5s^3 + C}$$

10.336 INVALID-ORDER-336 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_LR_5g_ms^5 + 2C_4C_5C_LL_5L_Ls^5 + C_4C_5C_LL_5R_4R_5g_ms^4 + C_4C_5C_LL_5R_4s^4 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5L_5R_5g_ms^3 + 2C_4C_5L_5s^3 + 2C}$$

10.337 INVALID-ORDER-337 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_5L_LR_4R_5g_ms^5 + C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5L_5L_LR_4g_ms^4 + 2C_4C_5L_5L_LR_5g_ms^4 + 2C_4C_5L_5L_Ls^4 + C_4C_5L_5R_4R_5g_ms^3 + C_4C_5L_5R_4s^3 + C_4C_LL_5L_LR_4g_ms^4 +}$$

10.338 INVALID-ORDER-338 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_LR_5g_ms^5 + 2C_4C_5C_LL_5L_Ls^5 + C_4C_5C_LL_5R_4R_5g_ms^4 + 2C_4C_5C_LL_5R_4R_Lg_ms^4 + C_4C_5C_LL_5R_4s^4 + 2C_4C_5C_LL_5R_5R_Lg_ms^4 + 2C_4}$$

10.339 INVALID-ORDER-339 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{C_4C_5C_LL_5L_LR_4R_5R_Lg_ms^5 + C_4C_5C_LL_5L_LR_4R_Ls^5 + C_4C_5L_5L_LR_4R_5g_ms^4 + 2C_4C_5L_5L_LR_4R_Lg_ms^4 + C_4C_5L_5L_LR_4s^4 + 2C_4C_5L_5L_LR_5R_Lg_ms^4 + 2C_4C_5L_5L_LR_Ls^4 +}{}$$

10.340 INVALID-ORDER-340 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{C_4C_5C_LL_5L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_5L_LR_4R_Lg_ms^5 + C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5C_LL_5L_LR_5R_Lg_ms^5 + 2C_4C_5C_LL_5L_LR_Ls^5 + 2C_4C_5L_5L_LR_4g_ms^4 + 2C_4C_5L_5L_LR_5g_m}{}$$

10.341 INVALID-ORDER-341 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{C_4C_5C_LL_5L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_5L_LR_4R_Lg_ms^5 + C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5C_LL_5L_LR_5R_Lg_ms^5 + 2C_4C_5C_LL_5L_LR_Ls^5 + C_4C_5C_LL_5R_4R_5R_Lg_ms^4 + C_4C_5C_LL_5R}{}$$

10.342 INVALID-ORDER-342 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ R_L\right)$

$$H(s) = -\frac{R_L\left(C_4R_4s+1\right)\left(-C_5L_5R_5g_ms^2 + C_5L_5s^2 +}{C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_4R_Lg_ms^3 + C_4C_5L_5R_4s^3 + 2C_4C_5L_5R_5R_Lg_ms^3 + 2C_4C_5L_5R_Ls^3 + 2C_4C_5R_4R_5R_Lg_ms^2 + C_4C_5R_4R_5s^2 + 2C_4C_5R_5R_Ls^2 + C_4R_4R_5g_ms}$$

10.343 INVALID-ORDER-343 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4R_4s+1\right)\left(-C_5L_5R_5g_ms^2 + C_5L_5s^2 + C\right.}{C_4C_5C_LL_5R_4R_5g_ms^4 + C_4C_5C_LL_5R_4s^4 + C_4C_5C_LR_4R_5s^3 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5L_5R_5g_ms^3 + 2C_4C_5L_5s^3 + 2C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_5s^2 + C_4C_LR_4R_5g_ms^2 +}$$

10.344 INVALID-ORDER-344 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_5R_4R_5R_Lg_ms^4 + C_4C_5C_LL_5R_4R_Ls^4 + C_4C_5C_LR_4R_5R_Ls^3 + C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_4R_Lg_ms^3 + C_4C_5L_5R_4s^3 + 2C_4C_5L_5R_5R_Lg_ms^3 + 2C_4C_5L_5R_Ls^3}$$

10.345 INVALID-ORDER-345 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_5R_4R_5g_ms^4 + 2C_4C_5C_LL_5R_4R_Lg_ms^4 + C_4C_5C_LL_5R_4s^4 + 2C_4C_5C_LL_5R_5R_Lg_ms^4 + 2C_4C_5C_LL_5R_Ls^4 + 2C_4C_5C_LR_4R_5R_Lg_ms^3 + C_4C_5C_LR_4R_5s^3 + 2C_4C_5C}$$

10.346 INVALID-ORDER-346 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_LR_5g_ms^5 + 2C_4C_5C_LL_5L_Ls^5 + C_4C_5C_LL_5R_4R_5g_ms^4 + C_4C_5C_LL_5R_4s^4 + 2C_4C_5C_LL_LR_4R_5g_ms^4 + 2C_4C_5C_LL_LR_5s^4 + C_4C_5C_L}$$

10.347 INVALID-ORDER-347 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_5L_LR_4R_5g_ms^5 + C_4C_5C_LL_5L_LR_4s^5 + C_4C_5C_LL_LR_4R_5s^4 + 2C_4C_5L_5L_LR_4g_ms^4 + 2C_4C_5L_5L_LR_5g_ms^4 + 2C_4C_5L_5L_Ls^4 + C_4C_5L_5R_4R_5g_ms^3 + C_4C_5L_5R_4s^3 +}$$

10.348 INVALID-ORDER-348 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_LR_5g_ms^5 + 2C_4C_5C_LL_5L_Ls^5 + C_4C_5C_LL_5R_4R_5g_ms^4 + 2C_4C_5C_LL_5R_4R_Lg_ms^4 + C_4C_5C_LL_5R_4s^4 + 2C_4C_5C_LL_5R_5R_Lg_ms^4 + 2C}$$

10.349 INVALID-ORDER-349 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4 C_5 C_L L_5 L_L R_4 R_5 R_L g_m s^5 + C_4 C_5 C_L L_5 L_L R_4 R_L s^5 + C_4 C_5 C_L L_L R_4 R_5 R_L s^4 + C_4 C_5 L_5 L_L R_4 R_5 g_m s^4 + 2C_4 C_5 L_5 L_L R_4 R_L g_m s^4 + C_4 C_5 L_5 L_L R_4 s^4 + 2C_4 C_5 L_5 L_L R_5 R_L g$$

10.350 INVALID-ORDER-350 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = -\frac{}{C_4 C_5 C_L L_5 L_L R_4 R_5 g_m s^5 + 2C_4 C_5 C_L L_5 L_L R_4 R_L g_m s^5 + C_4 C_5 C_L L_5 L_L R_4 s^5 + 2C_4 C_5 C_L L_5 L_L R_5 R_L g_m s^5 + 2C_4 C_5 C_L L_5 L_L R_L s^5 + 2C_4 C_5 C_L L_L R_4 R_5 R_L g_m s^4 + C_4 C_5 C_L L$$

10.351 INVALID-ORDER-351 $Z(s) = \left(\infty,\ \infty,\ \infty,\ R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{C_4 C_5 C_L L_5 L_L R_4 R_5 g_m s^5 + 2C_4 C_5 C_L L_5 L_L R_4 R_L g_m s^5 + C_4 C_5 C_L L_5 L_L R_4 s^5 + 2C_4 C_5 C_L L_5 L_L R_5 R_L g_m s^5 + 2C_4 C_5 C_L L_5 L_L R_L s^5 + C_4 C_5 C_L L_5 R_4 R_5 R_L g_m s^4 + C_4 C_5 C_L L_5$$

10.352 INVALID-ORDER-352 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{(R_5 g_m - 1)\left(C_4 L_4 s^2 + 1\right)}{C_4 C_L L_4 R_5 g_m s^3 + C_4 C_L L_4 s^3 + 2C_4 L_4 g_m s^2 + 2C_4 R_5 g_m s + 2C_4 s + C_L R_5 g_m s + C_L s + 2g_m}$$

10.353 INVALID-ORDER-353 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5,\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = \frac{R_L\left(R_5 g_m - 1\right)\left(C_4 L_4 s^2 + 1\right)}{C_4 C_L L_4 R_5 R_L g_m s^3 + C_4 C_L L_4 R_L s^3 + C_4 L_4 R_5 g_m s^2 + 2C_4 L_4 R_L g_m s^2 + C_4 L_4 s^2 + 2C_4 R_5 R_L g_m s + 2C_4 R_L s + C_L R_5 R_L g_m s + C_L R_L s + R_5 g_m + 2R_L g_m + 1}$$

10.354 INVALID-ORDER-354 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5,\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(R_5 g_m - 1)\left(C_4 L_4 s^2 + 1\right)(C_L R_L s + 1)}{C_4 C_L L_4 R_5 g_m s^3 + 2C_4 C_L L_4 R_L g_m s^3 + C_4 C_L L_4 s^3 + 2C_4 C_L R_5 R_L g_m s^2 + 2C_4 C_L R_L s^2 + 2C_4 L_4 g_m s^2 + 2C_4 R_5 g_m s + 2C_4 s + C_L R_5 g_m s + 2C_L R_L g_m s + C_L s + 2g_m}$$

10.355 INVALID-ORDER-355 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5,\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(R_5 g_m - 1)\left(C_4 L_4 s^2 + 1\right)\left(C_L L_L s^2 + 1\right)}{2C_4 C_L L_4 L_L g_m s^4 + C_4 C_L L_4 R_5 g_m s^3 + C_4 C_L L_4 s^3 + 2C_4 C_L L_L R_5 g_m s^3 + 2C_4 C_L L_L s^3 + 2C_4 L_4 g_m s^2 + 2C_4 R_5 g_m s + 2C_4 s + 2C_L L_L g_m s^2 + C_L R_5 g_m s + C_L s + 2g_m}$$

10.356 INVALID-ORDER-356 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5,\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{L_L s\,(R_5 g_m - 1)\left(C_4 L_4 s^2 + 1\right)}{C_4 C_L L_4 L_L R_5 g_m s^4 + C_4 C_L L_4 L_L s^4 + 2C_4 L_4 L_L g_m s^3 + C_4 L_4 R_5 g_m s^2 + C_4 L_4 s^2 + 2C_4 L_L R_5 g_m s^2 + 2C_4 L_L s^2 + C_L L_L R_5 g_m s^2 + C_L L_L s^2 + 2L_L g_m s + R_5 g_m + 1}$$

10.357 INVALID-ORDER-357 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(R_5 g_m - 1)\left(C_4 L_4 s^2 + 1\right)\left(C_L L_L s^2 + C_L R_L s + 1\right)}{2C_4 C_L L_4 L_L g_m s^4 + C_4 C_L L_4 R_5 g_m s^3 + 2C_4 C_L L_4 R_L g_m s^3 + C_4 C_L L_4 s^3 + 2C_4 C_L L_L R_5 g_m s^3 + 2C_4 C_L L_L s^3 + 2C_4 C_L R_5 R_L g_m s^2 + 2C_4 C_L R_L s^2 + 2C_4 L_4 g_m s^2 + 2C_4 R_5 g_m s +}$$

10.358 INVALID-ORDER-358 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_L s\,(R_5 g_m - 1)\left(C_4 L_4 s^2 + 1\right)}{C_4 C_L L_4 L_L R_5 R_L g_m s^4 + C_4 C_L L_4 L_L R_L s^4 + C_4 L_4 L_L R_5 g_m s^3 + 2C_4 L_4 L_L R_L g_m s^3 + C_4 L_4 L_L s^3 + C_4 L_4 R_5 R_L g_m s^2 + C_4 L_4 R_L s^2 + 2C_4 L_L R_5 R_L g_m s^2 + 2C_4 L_L R_L s^2 + C_L L_L}$$

10.359 INVALID-ORDER-359 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{(R_5 g_m - 1)\left(C_4 L_4 s^2 + 1\right)\left(C_L L_L R_L s^2 + L_L s +}{C_4 C_L L_4 L_L R_5 g_m s^4 + 2C_4 C_L L_4 L_L R_L g_m s^4 + C_4 C_L L_4 L_L s^4 + 2C_4 C_L L_L R_5 R_L g_m s^3 + 2C_4 C_L L_L R_L s^3 + 2C_4 L_4 L_L g_m s^3 + C_4 L_4 R_5 g_m s^2 + 2C_4 L_4 R_L g_m s^2 + C_4 L_4 s^2 + 2C_4 L_L}$$

10.360 INVALID-ORDER-360 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{R_L\left(R_5 g_m - 1\right)\left(C_4 L_4 s^2 + 1\right)\left(C_L L_L s^2 +}{C_4 C_L L_4 L_L R_5 g_m s^4 + 2C_4 C_L L_4 L_L R_L g_m s^4 + C_4 C_L L_4 L_L s^4 + C_4 C_L L_4 R_5 R_L g_m s^3 + C_4 C_L L_4 R_L s^3 + 2C_4 C_L L_L R_5 R_L g_m s^3 + 2C_4 C_L L_L R_L s^3 + C_4 L_4 R_5 g_m s^2 + 2C_4 L_4 R_L g_m s}$$

10.361 INVALID-ORDER-361 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = -\frac{R_L\left(C_5 s - g_m\right)\left(C_4 L_4 s^2 + 1\right)}{2C_4 C_5 L_4 R_L g_m s^3 + C_4 C_5 L_4 s^3 + 2C_4 C_5 R_L s^2 + C_4 L_4 g_m s^2 + 2C_4 R_L g_m s + 2C_5 R_L g_m s + C_5 s + g_m}$$

10.362 INVALID-ORDER-362 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_5 s - g_m\right)\left(C_4 L_4 s^2 + 1\right)}{s\left(C_4 C_5 C_L L_4 s^3 + 2C_4 C_5 L_4 g_m s^2 + 2C_4 C_5 s + C_4 C_L L_4 g_m s^2 + 2C_4 g_m + C_5 C_L s + 2C_5 g_m + C_L g_m\right)}$$

10.363 INVALID-ORDER-363 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{R_L\left(C_5 s - g_m\right)\left(C_4 L_4 s^2 + 1\right)}{C_4 C_5 C_L L_4 R_L s^4 + 2C_4 C_5 L_4 R_L g_m s^3 + C_4 C_5 L_4 s^3 + 2C_4 C_5 R_L s^2 + C_4 C_L L_4 R_L g_m s^3 + C_4 L_4 g_m s^2 + 2C_4 R_L g_m s + C_5 C_L R_L s^2 + 2C_5 R_L g_m s + C_5 s + C_L R_L g_m s + g_m}$$

10.364 INVALID-ORDER-364 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_5 s - g_m)\left(C_4 L_4 s^2 + 1\right)(C_L R_L s + 1)}{s\left(2C_4C_5C_L L_4 R_L g_m s^3 + C_4C_5C_L L_4 s^3 + 2C_4C_5C_L R_L s^2 + 2C_4C_5 L_4 g_m s^2 + 2C_4C_5 s + C_4 C_L L_4 g_m s^2 + 2C_4 C_L R_L g_m s + 2C_4 g_m + 2C_5 C_L R_L g_m s + C_5 C_L s + 2C_5 g_m + C_L g\right.}$$

10.365 INVALID-ORDER-365 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_5 s - g_m)\left(C_4 L_4 s^2 + 1\right)\left(C_L L_L s^2 + 1\right)}{s\left(2C_4C_5C_L L_4 L_L g_m s^4 + C_4C_5C_L L_4 s^3 + 2C_4C_5C_L L_L s^3 + 2C_4C_5 L_4 g_m s^2 + 2C_4C_5 s + C_4 C_L L_4 g_m s^2 + 2C_4 C_L L_L g_m s^2 + 2C_4 g_m + 2C_5 C_L L_L g_m s^2 + C_5 C_L s + 2C_5 g_m + C_L\right.}$$

10.366 INVALID-ORDER-366 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = -\frac{L_L s\,(C_5 s - g_m)\left(C_4 L_4 s^2 + 1\right)}{C_4C_5C_L L_4 L_L s^5 + 2C_4C_5 L_4 L_L g_m s^4 + C_4C_5 L_4 s^3 + 2C_4C_5 L_L s^3 + C_4 C_L L_4 L_L g_m s^4 + C_4 L_4 g_m s^2 + 2C_4 L_L g_m s^2 + C_5 C_L L_L s^3 + 2C_5 L_L g_m s^2 + C_5 s + C_L L_L g_m s^2 + g_m}$$

10.367 INVALID-ORDER-367 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_5 s - g_m)\left(C_4 L_4 s^2 + 1\right)\left(C_L L_L s^2 + C_L R_L s + 1\right)}{s\left(2C_4C_5C_L L_4 L_L g_m s^4 + 2C_4C_5C_L L_4 R_L g_m s^3 + C_4C_5C_L L_4 s^3 + 2C_4C_5C_L L_L s^3 + 2C_4C_5C_L R_L s^2 + 2C_4C_5 L_4 g_m s^2 + 2C_4C_5 s + C_4 C_L L_4 g_m s^2 + 2C_4 C_L L_L g_m s^2 + 2C_4 C_L I\right.}$$

10.368 INVALID-ORDER-368 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = -\frac{L_L R_L s\,(C_5 s - g_m)\left(C_4 L_4 s^2 + 1\right)}{C_4C_5C_L L_4 L_L R_L s^5 + 2C_4C_5 L_4 L_L R_L g_m s^4 + C_4C_5 L_4 L_L s^4 + C_4C_5 L_4 R_L s^3 + 2C_4C_5 L_L R_L s^3 + C_4 C_L L_4 L_L R_L g_m s^4 + C_4 L_4 L_L g_m s^3 + C_4 L_4 R_L g_m s^2 + 2C_4 L_L R_L g_m s^2 + C}$$

10.369 INVALID-ORDER-369 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{(C_5 s - g_m)\left(C_4 L_4 s^2 + 1\right)\left(C_L L_L R_L s}{2C_4C_5C_L L_4 L_L R_L g_m s^5 + C_4C_5C_L L_4 L_L s^5 + 2C_4C_5C_L L_L R_L s^4 + 2C_4C_5 L_4 L_L g_m s^4 + 2C_4C_5 L_4 R_L g_m s^3 + C_4C_5 L_4 s^3 + 2C_4C_5 L_L s^3 + 2C_4C_5 R_L s^2 + C_4 C_L L_4 L_L g_m s^4 + 2C}$$

10.370 INVALID-ORDER-370 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = -\frac{R_L\left(C_5 s - g_m\right)\left(C_4 L_4 s^2 + 1\right)\left(C}{2C_4C_5C_L L_4 L_L R_L g_m s^5 + C_4C_5C_L L_4 L_L s^5 + C_4C_5C_L L_4 R_L s^4 + 2C_4C_5C_L L_L R_L s^4 + 2C_4C_5 L_4 R_L g_m s^3 + C_4C_5 L_4 s^3 + 2C_4C_5 R_L s^2 + C_4 C_L L_4 L_L g_m s^4 + C_4 C_L L_4 R_L g_m s^3}$$

10.371 INVALID-ORDER-371 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ R_L\right)$

$$H(s) = -\frac{R_L\left(C_4 L_4 s^2 + 1\right)\left(C_5 R_5 s - R_5 g_m + 1\right)}{2C_4C_5 L_4 R_5 R_L g_m s^3 + C_4C_5 L_4 R_5 s^3 + 2C_4C_5 R_5 R_L s^2 + C_4 L_4 R_5 g_m s^2 + 2C_4 L_4 R_L g_m s^2 + C_4 L_4 s^2 + 2C_4 R_5 R_L g_m s + 2C_4 R_L s + 2C_5 R_5 R_L g_m s + C_5 R_5 s + R_5 g_m + 2R_L g_m}$$

10.372 INVALID-ORDER-372 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4 L_4 s^2 + 1\right)\left(C_5 R_5 s - R_5 g_m + 1\right)}{C_4C_5C_L L_4 R_5 s^4 + 2C_4C_5 L_4 R_5 g_m s^3 + 2C_4C_5 R_5 s^2 + C_4 C_L L_4 R_5 g_m s^3 + C_4 C_L L_4 s^3 + 2C_4 L_4 g_m s^2 + 2C_4 R_5 g_m s + 2C_4 s + C_5 C_L R_5 s^2 + 2C_5 R_5 g_m s + C_L R_5 g_m s + C_L s + 2g}$$

10.373 INVALID-ORDER-373 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{R_L\left(C_4 L_4 s^2 + 1\right)\left(C_5 R_5 s - R_5 g_m + 1\right)}{C_4C_5C_L L_4 R_5 R_L s^4 + 2C_4C_5 L_4 R_5 R_L g_m s^3 + C_4C_5 L_4 R_5 s^3 + 2C_4C_5 R_5 R_L s^2 + C_4 C_L L_4 R_5 R_L g_m s^3 + C_4 C_L L_4 R_L s^3 + C_4 L_4 R_5 g_m s^2 + 2C_4 L_4 R_L g_m s^2 + C_4 L_4 s^2 + 2C_4 R_5 R}$$

10.374 INVALID-ORDER-374 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4 L_4 s^2+1\right)\left(C_L R_L s+1\right)\left(C_5 R_5 s - R$$
$$2C_4C_5C_LL_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_5s^4 + 2C_4C_5C_LR_5R_Ls^3 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5R_5s^2 + C_4C_LL_4R_5g_ms^3 + 2C_4C_LL_4R_Lg_ms^3 + C_4C_LL_4s^3 + 2C_4C_LR_5R_Lg_ms$$

10.375 INVALID-ORDER-375 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4 L_4 s^2+1\right)\left(C_L L_L s^2+1\right)\left(C_5 R_5 s - R$$
$$2C_4C_5C_LL_4L_LR_5g_ms^5 + C_4C_5C_LL_4R_5s^4 + 2C_4C_5C_LL_LR_5s^4 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5R_5s^2 + 2C_4C_LL_4L_Lg_ms^4 + C_4C_LL_4R_5g_ms^3 + C_4C_LL_4s^3 + 2C_4C_LL_LR_5g_ms^3$$

10.376 INVALID-ORDER-376 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{L_L s\left(C_4 L_4 s^2+1\right)\left(C_5 R_5 s - R_5 g_m + 1\right)}{C_4C_5C_LL_4L_LR_5s^5 + 2C_4C_5L_4L_LR_5g_ms^4 + C_4C_5L_4R_5s^3 + 2C_4C_5L_LR_5s^3 + C_4C_LL_4L_LR_5g_ms^4 + C_4C_LL_4L_Ls^4 + 2C_4L_4L_Lg_ms^3 + C_4L_4R_5g_ms^2 + C_4L_4s^2 + 2C_4L_LR_5$$

10.377 INVALID-ORDER-377 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_5s^4 + 2C_4C_5C_LL_LR_5s^4 + 2C_4C_5C_LR_5R_Ls^3 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5R_5s^2 + 2C_4C_LL_4L_Lg_ms^4 + C_4$$

10.378 INVALID-ORDER-378 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_LR_5R_Ls^5 + 2C_4C_5L_4L_LR_5R_Lg_ms^4 + C_4C_5L_4L_LR_5s^4 + C_4C_5L_4R_5R_Ls^3 + 2C_4C_5L_LR_5R_Ls^3 + C_4C_LL_4L_LR_5R_Lg_ms^4 + C_4C_LL_4L_LR_Ls^4 + C_4L_4L_LR_5g_ms^3$$

10.379 INVALID-ORDER-379 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_5R_Lg_ms^5 + C_4C_5C_LL_4L_LR_5s^5 + 2C_4C_5C_LL_LR_5R_Ls^4 + 2C_4C_5L_4L_LR_5g_ms^4 + 2C_4C_5L_4R_5R_Lg_ms^3 + C_4C_5L_4R_5s^3 + 2C_4C_5L_LR_5s^3 + 2C_4C_5R_5R_Ls^2 +}$$

10.380 INVALID-ORDER-380 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_5R_Lg_ms^5 + C_4C_5C_LL_4L_LR_5s^5 + C_4C_5C_LL_4R_5R_Ls^4 + 2C_4C_5C_LL_LR_5R_Ls^4 + 2C_4C_5L_4R_5R_Lg_ms^3 + C_4C_5L_4R_5s^3 + 2C_4C_5R_5R_Ls^2 + C_4C_LL_4L_LR_5g_m}$$

10.381 INVALID-ORDER-381 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_4L_4s^2+1\right)\left(C_5R_5g_ms - C_5s + g_m\right)}{C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4R_Lg_ms^3 + C_4C_5L_4s^3 + 2C_4C_5R_5R_Lg_ms^2 + 2C_4C_5R_Ls^2 + C_4L_4g_ms^2 + 2C_4R_Lg_ms + C_5R_5g_ms + 2C_5R_Lg_ms + C_5s + g_m}$$

10.382 INVALID-ORDER-382 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4L_4s^2+1\right)\left(C_5R_5g_ms - C_5s + g_m\right)}{s\left(C_4C_5C_LL_4R_5g_ms^3 + C_4C_5C_LL_4s^3 + 2C_4C_5L_4g_ms^2 + 2C_4C_5R_5g_ms + 2C_4C_5s + C_4C_LL_4g_ms^2 + 2C_4g_m + C_5C_LR_5g_ms + C_5C_Ls + 2C_5g_m + C_Lg_m\right)}$$

10.383 INVALID-ORDER-383 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_L\left(C_4L_4s^2+1\right)\left(C_5R_5g_ms - C_5s + g_m\right)}{C_4C_5C_LL_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_Ls^4 + C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4R_Lg_ms^3 + C_4C_5L_4s^3 + 2C_4C_5R_5R_Lg_ms^2 + 2C_4C_5R_Ls^2 + C_4C_LL_4R_Lg_ms^3 + C_4L_4g_ms^2 + 2C_4R_Lg}$$

10.384 INVALID-ORDER-384 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4 L_4 s^2 + 1\right)\left(C_L R_L s + 1\right)\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{s\left(C_4 C_5 C_L L_4 R_5 g_m s^3 + 2C_4 C_5 C_L L_4 R_L g_m s^3 + C_4 C_5 C_L L_4 s^3 + 2C_4 C_5 C_L R_5 R_L g_m s^2 + 2C_4 C_5 C_L R_L s^2 + 2C_4 C_5 L_4 g_m s^2 + 2C_4 C_5 R_5 g_m s + 2C_4 C_5 s + C_4 C_L L_4 g_m s^2 + 2C_4 C_L\right.}$$

10.385 INVALID-ORDER-385 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4 L_4 s^2 + 1\right)\left(C_L L_L s^2 + 1\right)\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{s\left(2C_4 C_5 C_L L_4 L_L g_m s^4 + C_4 C_5 C_L L_4 R_5 g_m s^3 + C_4 C_5 C_L L_4 s^3 + 2C_4 C_5 C_L L_L R_5 g_m s^3 + 2C_4 C_5 C_L L_L s^3 + 2C_4 C_5 L_4 g_m s^2 + 2C_4 C_5 R_5 g_m s + 2C_4 C_5 s + C_4 C_L L_4 g_m s^2 + 2C_4 C_L\right.}$$

10.386 INVALID-ORDER-386 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{L_L s\left(C_4 L_4 s^2 + 1\right)\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{C_4 C_5 C_L L_4 L_L R_5 g_m s^5 + C_4 C_5 C_L L_4 L_L s^5 + 2C_4 C_5 L_4 L_L g_m s^4 + C_4 C_5 L_4 R_5 g_m s^3 + C_4 C_5 L_4 s^3 + 2C_4 C_5 L_L R_5 g_m s^3 + 2C_4 C_5 L_L s^3 + C_4 C_L L_4 L_L g_m s^4 + C_4 L_4 g_m s^2 + 2C_4 L_L g_m}$$

10.387 INVALID-ORDER-387 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4 L_4 s^2 + 1\right)\left(C_L L_L s^2 + C_L\right.}{s\left(2C_4 C_5 C_L L_4 L_L g_m s^4 + C_4 C_5 C_L L_4 R_5 g_m s^3 + 2C_4 C_5 C_L L_4 R_L g_m s^3 + C_4 C_5 C_L L_4 s^3 + 2C_4 C_5 C_L L_L R_5 g_m s^3 + 2C_4 C_5 C_L L_L s^3 + 2C_4 C_5 C_L R_5 R_L g_m s^2 + 2C_4 C_5 C_L R_L s^2 + 2C\right.}$$

10.388 INVALID-ORDER-388 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4 C_5 C_L L_4 L_L R_5 R_L g_m s^5 + C_4 C_5 C_L L_4 L_L R_L s^5 + C_4 C_5 L_4 L_L R_5 g_m s^4 + 2C_4 C_5 L_4 L_L R_L g_m s^4 + C_4 C_5 L_4 L_L s^4 + C_4 C_5 L_4 R_5 R_L g_m s^3 + C_4 C_5 L_4 R_L s^3 + 2C_4 C_5 L_L R_5 R_L g_m s^3 +}$$

10.389 INVALID-ORDER-389 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_LR_Lg_ms^5 + C_4C_5C_LL_4L_Ls^5 + 2C_4C_5C_LL_LR_5R_Lg_ms^4 + 2C_4C_5C_LL_LR_Ls^4 + 2C_4C_5L_4L_Lg_ms^4 + C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4R_Lg_m}$$

10.390 INVALID-ORDER-390 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_LR_Lg_ms^5 + C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_Ls^4 + 2C_4C_5C_LL_LR_5R_Lg_ms^4 + 2C_4C_5C_LL_LR_Ls^4 + C_4C_5L_4R_}$$

10.391 INVALID-ORDER-391 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_4L_4s^2+1\right)\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_4R_Lg_ms^3 + C_4C_5L_4s^3 + 2C_4C_5L_5R_Lg_ms^3 + 2C_4C_5R_Ls^2 + C_4L_4g_ms^2 + 2C_4R_Lg_ms + C_5L_5g_ms^2 + 2C_5R_Lg_ms + C_5s + g_m}$$

10.392 INVALID-ORDER-392 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4L_4s^2+1\right)\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{s\left(C_4C_5C_LL_4L_5g_ms^4 + C_4C_5C_LL_4s^3 + 2C_4C_5L_4g_ms^2 + 2C_4C_5L_5g_ms^2 + 2C_4C_5s + C_4C_LL_4g_ms^2 + 2C_4g_m + C_5C_LL_5g_ms^2 + C_5C_Ls + 2C_5g_m + C_Lg_m\right)}$$

10.393 INVALID-ORDER-393 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_L\left(C_4L_4s^2+1\right)\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4R_Ls^4 + C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_4R_Lg_ms^3 + C_4C_5L_4s^3 + 2C_4C_5L_5R_Lg_ms^3 + 2C_4C_5R_Ls^2 + C_4C_LL_4R_Lg_ms^3 + C_4L_4g_ms^2 + 2C_4R_Lg}$$

10.394 INVALID-ORDER-394 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4 L_4 s^2 + 1\right)\left(C_L R_L s + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{s\left(C_4 C_5 C_L L_4 L_5 g_m s^4 + 2C_4 C_5 C_L L_4 R_L g_m s^3 + C_4 C_5 C_L L_4 s^3 + 2C_4 C_5 C_L L_5 R_L g_m s^3 + 2C_4 C_5 C_L R_L s^2 + 2C_4 C_5 L_4 g_m s^2 + 2C_4 C_5 L_5 g_m s^2 + 2C_4 C_5 s + C_4 C_L L_4 g_m s^2 + 2C_4 C_L\right.}$$

10.395 INVALID-ORDER-395 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4 L_4 s^2 + 1\right)\left(C_L L_L s^2 + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{s\left(C_4 C_5 C_L L_4 L_5 g_m s^4 + 2C_4 C_5 C_L L_4 L_L g_m s^4 + C_4 C_5 C_L L_4 s^3 + 2C_4 C_5 C_L L_5 L_L g_m s^4 + 2C_4 C_5 C_L L_L s^3 + 2C_4 C_5 L_4 g_m s^2 + 2C_4 C_5 L_5 g_m s^2 + 2C_4 C_5 s + C_4 C_L L_4 g_m s^2 + 2C_4 C_L\right.}$$

10.396 INVALID-ORDER-396 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{L_L s\left(C_4 L_4 s^2 + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{C_4 C_5 C_L L_4 L_5 L_L g_m s^6 + C_4 C_5 C_L L_4 L_L s^5 + C_4 C_5 L_4 L_5 g_m s^4 + 2C_4 C_5 L_4 L_L g_m s^4 + C_4 C_5 L_4 s^3 + 2C_4 C_5 L_5 L_L g_m s^4 + 2C_4 C_5 L_L s^3 + C_4 C_L L_4 L_L g_m s^4 + C_4 L_4 g_m s^2 + 2C_4 L_L g_m}$$

10.397 INVALID-ORDER-397 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4 L_4 s^2 + 1\right)\left(C_L L_L s^2 + C_L\right.}{s\left(C_4 C_5 C_L L_4 L_5 g_m s^4 + 2C_4 C_5 C_L L_4 L_L g_m s^4 + 2C_4 C_5 C_L L_4 R_L g_m s^3 + C_4 C_5 C_L L_4 s^3 + 2C_4 C_5 C_L L_5 L_L g_m s^4 + 2C_4 C_5 C_L L_5 R_L g_m s^3 + 2C_4 C_5 C_L L_L s^3 + 2C_4 C_5 C_L R_L s^2 + 2C_4\right.}$$

10.398 INVALID-ORDER-398 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4 C_5 C_L L_4 L_5 L_L R_L g_m s^6 + C_4 C_5 C_L L_4 L_L R_L s^5 + C_4 C_5 L_4 L_5 L_L g_m s^5 + C_4 C_5 L_4 L_5 R_L g_m s^4 + 2C_4 C_5 L_4 L_L R_L g_m s^4 + C_4 C_5 L_4 L_L s^4 + C_4 C_5 L_4 R_L s^3 + 2C_4 C_5 L_5 L_L R_L g_m s^4 +}$$

10.399 INVALID-ORDER-399 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_Lg_ms^6 + 2C_4C_5C_LL_4L_LR_Lg_ms^5 + C_4C_5C_LL_4L_Ls^5 + 2C_4C_5C_LL_5L_LR_Lg_ms^5 + 2C_4C_5C_LL_LR_Ls^4 + C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_4L_Lg_ms^4 + 2C_4C_5L_4R_Lg_ms$$

10.400 INVALID-ORDER-400 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_Lg_ms^5 + C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_4R_Ls^4 + 2C_4C_5C_LL_5L_LR_Lg_ms^5 + 2C_4C_5C_LL_LR_Ls^4 + C_4C_5L_4L_5$$

10.401 INVALID-ORDER-401 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L\right)$

$$H(s) = -\frac{R_L\left(C_4L_4s^2+1\right)\left(C_5L_5s^2 - L_5g_ms + 1\right)}{2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4L_5s^4 + 2C_4C_5L_5R_Ls^3 + C_4L_4L_5g_ms^3 + 2C_4L_4R_Lg_ms^2 + C_4L_4s^2 + 2C_4L_5R_Lg_ms^2 + 2C_4R_Ls + 2C_5L_5R_Lg_ms^2 + C_5L_5s^2 + L_5g_ms + 2R_L}$$

10.402 INVALID-ORDER-402 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4L_4s^2+1\right)\left(C_5L_5s^2 - L_5g_ms + 1\right)}{C_4C_5C_LL_4L_5s^5 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_5s^3 + C_4C_LL_4L_5g_ms^4 + C_4C_LL_4s^3 + 2C_4L_4g_ms^2 + 2C_4L_5g_ms^2 + 2C_4s + C_5C_LL_5s^3 + 2C_5L_5g_ms^2 + C_LL_5g_ms^2 + C_Ls +}$$

10.403 INVALID-ORDER-403 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{R_L\left(C_4L_4s^2+1\right)\left(C_5L_5s^2 - L_5g_ms + 1\right)}{C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4L_5s^4 + 2C_4C_5L_5R_Ls^3 + C_4C_LL_4L_5R_Lg_ms^4 + C_4C_LL_4R_Ls^3 + C_4L_4L_5g_ms^3 + 2C_4L_4R_Lg_ms^2 + C_4L_4s^2 + 2C_4L_5R_L}$$

10.404 INVALID-ORDER-404 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4 L_4 s^2+1\right)\left(C_L R_L s+1\right)\left(C_5 L_5 s^2 - \right.}{2C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_5R_Ls^4 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_5s^3 + C_4C_LL_4L_5g_ms^4 + 2C_4C_LL_4R_Lg_ms^3 + C_4C_LL_4s^3 + 2C_4C_LL_5R_Lg_ms^3}$$

10.405 INVALID-ORDER-405 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4 L_4 s^2+1\right)\left(C_L L_L s^2+1\right)\left(C_5 L_5 s^2 - \right.}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_5L_Ls^5 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_5s^3 + C_4C_LL_4L_5g_ms^4 + 2C_4C_LL_4L_Lg_ms^4 + C_4C_LL_4s^3 + 2C_4C_LL_5L_Lg_ms^4 +}$$

10.406 INVALID-ORDER-406 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{L_L s\left(C_4 L_4 s^2+1\right)\left(C_5 L_5 s^2 - L_5 g_m s+1\right)}{C_4C_5C_LL_4L_5L_Ls^6 + 2C_4C_5L_4L_5L_Lg_ms^5 + C_4C_5L_4L_5s^4 + 2C_4C_5L_5L_Ls^4 + C_4C_LL_4L_5L_Lg_ms^5 + C_4C_LL_4L_Ls^4 + C_4L_4L_5g_ms^3 + 2C_4L_4L_Lg_ms^3 + C_4L_4s^2 + 2C_4L_5L_Lg_}$$

10.407 INVALID-ORDER-407 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_5L_Ls^5 + 2C_4C_5C_LL_5R_Ls^4 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_5s^3 + C_4C_LL_4L_5g_ms^4 + 2C_4C_}$$

10.408 INVALID-ORDER-408 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_Ls^6 + 2C_4C_5L_4L_5L_LR_Lg_ms^5 + C_4C_5L_4L_5L_Ls^5 + C_4C_5L_4L_5R_Ls^4 + 2C_4C_5L_5L_LR_Ls^4 + C_4C_LL_4L_5L_LR_Lg_ms^5 + C_4C_LL_4L_LR_Ls^4 + C_4L_4L_5L_Lg_ms^4 +}$$

10.409 INVALID-ORDER-409 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + C_4C_5C_LL_4L_5L_Ls^6 + 2C_4C_5C_LL_5L_LR_Ls^5 + 2C_4C_5L_4L_5L_Lg_ms^5 + 2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4L_5s^4 + 2C_4C_5L_5L_Ls^4 + 2C_4C_5L_5R_Ls^3 +}$$

10.410 INVALID-ORDER-410 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5C_LL_5L_LR_Ls^5 + 2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4L_5s^4 + 2C_4C_5L_5R_Ls^3 + C_4C_LL_4L_5L_Lg_ms}$$

10.411 INVALID-ORDER-411 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_4L_4s^2+1\right)\left(C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m\right)}{C_4C_5L_4L_5g_ms^4 + C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4R_Lg_ms^3 + C_4C_5L_4s^3 + 2C_4C_5L_5R_Lg_ms^3 + 2C_4C_5R_5R_Lg_ms^2 + 2C_4C_5R_Ls^2 + C_4L_4g_ms^2 + 2C_4R_Lg_ms + C_5L_5g_ms^2 + C_5R_5}$$

10.412 INVALID-ORDER-412 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4L_4s^2+1\right)\left(C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m\right)}{s\left(C_4C_5C_LL_4L_5g_ms^4 + C_4C_5C_LL_4R_5g_ms^3 + C_4C_5C_LL_4s^3 + 2C_4C_5L_4g_ms^2 + 2C_4C_5L_5g_ms^2 + 2C_4C_5R_5g_ms + 2C_4C_5s + C_4C_LL_4g_ms^2 + 2C_4g_m + C_5C_LL_5g_ms^2 + C_5C_LR\right.}$$

10.413 INVALID-ORDER-413 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_L\left(C_4L_4s^2+1\right)\left(C_5\right.}{C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_Ls^4 + C_4C_5L_4L_5g_ms^4 + C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4R_Lg_ms^3 + C_4C_5L_4s^3 + 2C_4C_5L_5R_Lg_ms^3 + 2C_4C_5R_5R_L$$

10.414 INVALID-ORDER-414 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4 L_4 s^2 + 1\right)\left(C_L R_L s + 1\right)\left(C_5 L_5 g_m s^2 +}{s\left(C_4 C_5 C_L L_4 L_5 g_m s^4 + C_4 C_5 C_L L_4 R_5 g_m s^3 + 2 C_4 C_5 C_L L_4 R_L g_m s^3 + C_4 C_5 C_L L_4 s^3 + 2 C_4 C_5 C_L L_5 R_L g_m s^3 + 2 C_4 C_5 C_L R_5 R_L g_m s^2 + 2 C_4 C_5 C_L R_L s^2 + 2 C_4 C_5 L_4 g_m s^2 + 2 C_4 C\right.}$$

10.415 INVALID-ORDER-415 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4 L_4 s^2 + 1\right)\left(C_L L_L s^2 + 1\right)\left(C_5 L_5 g_m s^2}{s\left(C_4 C_5 C_L L_4 L_5 g_m s^4 + 2 C_4 C_5 C_L L_4 L_L g_m s^4 + C_4 C_5 C_L L_4 R_5 g_m s^3 + C_4 C_5 C_L L_4 s^3 + 2 C_4 C_5 C_L L_5 L_L g_m s^4 + 2 C_4 C_5 C_L L_L R_5 g_m s^3 + 2 C_4 C_5 C_L L_L s^3 + 2 C_4 C_5 L_4 g_m s^2 + 2 C_4 C\right.}$$

10.416 INVALID-ORDER-416 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{L_L s\left(C_4 L_4 s^2 + 1\right)\left(C\right.}{C_4 C_5 C_L L_4 L_5 L_L g_m s^6 + C_4 C_5 C_L L_4 L_L R_5 g_m s^5 + C_4 C_5 C_L L_4 L_L s^5 + C_4 C_5 L_4 L_5 g_m s^4 + 2 C_4 C_5 L_4 L_L g_m s^4 + C_4 C_5 L_4 R_5 g_m s^3 + C_4 C_5 L_4 s^3 + 2 C_4 C_5 L_5 L_L g_m s^4 + 2 C_4 C_5 L_L R_5 g$$

10.417 INVALID-ORDER-417 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{s\left(C_4 C_5 C_L L_4 L_5 g_m s^4 + 2 C_4 C_5 C_L L_4 L_L g_m s^4 + C_4 C_5 C_L L_4 R_5 g_m s^3 + 2 C_4 C_5 C_L L_4 R_L g_m s^3 + C_4 C_5 C_L L_4 s^3 + 2 C_4 C_5 C_L L_5 L_L g_m s^4 + 2 C_4 C_5 C_L L_5 R_L g_m s^3 + 2 C_4 C_5 C_L L_L R_5 g_m\right.}$$

10.418 INVALID-ORDER-418 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4 C_5 C_L L_4 L_5 L_L R_L g_m s^6 + C_4 C_5 C_L L_4 L_L R_5 R_L g_m s^5 + C_4 C_5 C_L L_4 L_L R_L s^5 + C_4 C_5 L_4 L_5 L_L g_m s^5 + C_4 C_5 L_4 L_5 R_L g_m s^4 + C_4 C_5 L_4 L_L R_5 g_m s^4 + 2 C_4 C_5 L_4 L_L R_L g_m s^4 + C_4 C_5$$

10.419 INVALID-ORDER-419 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_LR_Lg_ms^5 + C_4C_5C_LL_4L_Ls^5 + 2C_4C_5C_LL_5L_LR_Lg_ms^5 + 2C_4C_5C_LL_LR_5R_Lg_ms^4 + 2C_4C_5C_LL_LR_Ls^4 + C_4C$$

10.420 INVALID-ORDER-420 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_LR_Lg_ms^5 + C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_Ls^4 + 2C_4C_5C$$

10.421 INVALID-ORDER-421 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L\right)$

$$H(s) = -\frac{R_L\left(C_4L_4s^2 + 1\right)\left(C_5L_5R_5s^2 - L_5R_5g_ms + L_5s + R_5\right)}{2C_4C_5L_4L_5R_5R_Lg_ms^4 + C_4C_5L_4L_5R_5s^4 + 2C_4C_5L_5R_5R_Ls^3 + C_4L_4L_5R_5g_ms^3 + 2C_4L_4L_5R_Lg_ms^3 + C_4L_4L_5s^3 + 2C_4L_4R_5R_Lg_ms^2 + C_4L_4R_5s^2 + 2C_4L_5R_5R_Lg_ms^2 +}$$

10.422 INVALID-ORDER-422 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4L_4s^2 + 1\right)\left(C_5L_5R_5s^2 - L_5R_5g_ms + L_5s + R_5\right)}{C_4C_5C_LL_4L_5R_5s^5 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_5R_5s^3 + C_4C_LL_4L_5R_5g_ms^4 + C_4C_LL_4L_5s^4 + C_4C_LL_4R_5s^3 + 2C_4L_4L_5g_ms^3 + 2C_4L_4R_5g_ms^2 + 2C_4L_5R_5g_ms^2 + 2C_4}$$

10.423 INVALID-ORDER-423 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_5R_Ls^5 + 2C_4C_5L_4L_5R_5R_Lg_ms^4 + C_4C_5L_4L_5R_5s^4 + 2C_4C_5L_5R_5R_Ls^3 + C_4C_LL_4L_5R_5R_Lg_ms^4 + C_4C_LL_4L_5R_Ls^4 + C_4C_LL_4R_5R_Ls^3 + C_4L_4L_5R_5g_ms^3 +}$$

10.424 INVALID-ORDER-424 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_5s^5 + 2C_4C_5C_LL_5R_5R_Ls^4 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_5R_5s^3 + C_4C_LL_4L_5R_5g_ms^4 + 2C_4C_LL_4L_5R_Lg_ms^4 + C_4C_LL_4L_5s}$$

10.425 INVALID-ORDER-425 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + C_4C_5C_LL_4L_5R_5s^5 + 2C_4C_5C_LL_5L_LR_5s^5 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_5R_5s^3 + 2C_4C_LL_4L_5L_Lg_ms^5 + C_4C_LL_4L_5R_5g_ms^4 + C_4C_LL_4L_5s}$$

10.426 INVALID-ORDER-426 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_5s^6 + 2C_4C_5L_4L_5L_LR_5g_ms^5 + C_4C_5L_4L_5R_5s^4 + 2C_4C_5L_5L_LR_5s^4 + C_4C_LL_4L_5L_LR_5g_ms^5 + C_4C_LL_4L_5L_Ls^5 + C_4C_LL_4L_LR_5s^4 + 2C_4L_4L_5L_Lg_ms^4 +}$$

10.427 INVALID-ORDER-427 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_5s^5 + 2C_4C_5C_LL_5L_LR_5s^5 + 2C_4C_5C_LL_5R_5R_Ls^4 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_5R_5s^3 + 2C_4C}$$

10.428 INVALID-ORDER-428 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_5R_Ls^6 + 2C_4C_5L_4L_5L_LR_5R_Lg_ms^5 + C_4C_5L_4L_5L_LR_5s^5 + C_4C_5L_4L_5R_5R_Ls^4 + 2C_4C_5L_5L_LR_5R_Ls^4 + C_4C_LL_4L_5L_LR_5R_Lg_ms^5 + C_4C_LL_4L_5L_LR_Ls^5}$$

10.429 INVALID-ORDER-429 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_5s^6 + 2C_4C_5C_LL_5L_LR_5R_Ls^5 + 2C_4C_5L_4L_5L_LR_5g_ms^5 + 2C_4C_5L_4L_5R_5R_Lg_ms^4 + C_4C_5L_4L_5R_5s^4 + 2C_4C_5L_5L_LR_5s^4}$$

10.430 INVALID-ORDER-430 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_5s^6 + C_4C_5C_LL_4L_5R_5R_Ls^5 + 2C_4C_5C_LL_5L_LR_5R_Ls^5 + 2C_4C_5L_4L_5R_5R_Lg_ms^4 + C_4C_5L_4L_5R_5s^4 + 2C_4C_5L_5R_5R_Ls^3 +}$$

10.431 INVALID-ORDER-431 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ R_L\right)$

$$H(s) = \frac{R_L\left(C_4L_4s^2 + 1\right)\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4L_5s^4 + 2C_4C_5L_5R_5R_Lg_ms^3 + 2C_4C_5L_5R_Ls^3 + C_4L_4L_5g_ms^3 + C_4L_4R_5g_ms^2 + 2C_4L_4R_Lg_ms^2 + C_4L_4s^2 + 2C_4L_5R_Lg_m}$$

10.432 INVALID-ORDER-432 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4L_4s^2 + 1\right)\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{C_4C_5C_LL_4L_5R_5g_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_5R_5g_ms^3 + 2C_4C_5L_5s^3 + C_4C_LL_4L_5g_ms^4 + C_4C_LL_4R_5g_ms^3 + C_4C_LL_4s^3 + 2C_4L_4g_ms^2 + 2C_4L_5g_m}$$

10.433 INVALID-ORDER-433 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_Ls^5 + C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4L_5s^4 + 2C_4C_5L_5R_5R_Lg_ms^3 + 2C_4C_5L_5R_Ls^3 + C_4C_LL_4L_5R_Lg_ms^4 +}$$

10.434 INVALID-ORDER-434 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_5R_5R_Lg_ms^4 + 2C_4C_5C_LL_5R_Ls^4 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_5R_5g_ms^3 + 2C_4C_5L_5s^3 + C_4}$$

10.435 INVALID-ORDER-435 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_5g_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_5L_LR_5g_ms^5 + 2C_4C_5C_LL_5L_Ls^5 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_5R_5g_ms^3 + 2C_4C_5L_5s^3 + C_4}$$

10.436 INVALID-ORDER-436 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_5g_ms^6 + C_4C_5C_LL_4L_5L_Ls^6 + 2C_4C_5L_4L_5L_Lg_ms^5 + C_4C_5L_4L_5R_5g_ms^4 + C_4C_5L_4L_5s^4 + 2C_4C_5L_5L_LR_5g_ms^4 + 2C_4C_5L_5L_Ls^4 + C_4C_LL_4L_5L_Lg_ms^5 + C}$$

10.437 INVALID-ORDER-437 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_5L_LR_5g_ms^5 + 2C_4C_5C_LL_5L_Ls^5 + 2C_4C_5C_LL_5R_5R_Lg_ms^4 + 2C_4C}$$

10.438 INVALID-ORDER-438 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_Ls^6 + C_4C_5L_4L_5L_LR_5g_ms^5 + 2C_4C_5L_4L_5L_LR_Lg_ms^5 + C_4C_5L_4L_5L_Ls^5 + C_4C_5L_4L_5R_5R_Lg_ms^4 + C_4C_5L_4L_5R_Ls^4 + 2C_4}$$

10.439 INVALID-ORDER-439 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + C_4C_5C_LL_4L_5L_Ls^6 + 2C_4C_5C_LL_5L_LR_5R_Lg_ms^5 + 2C_4C_5C_LL_5L_LR_Ls^5 + 2C_4C_5L_4L_5L_Lg_ms^5 + C_4C_5L_4L_5R_5g_ms^4}$$

10.440 INVALID-ORDER-440 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5C_LL_5L_LR_5R_Lg_ms^5 + 2C_4C_5C_LL_5L_L}$$

10.441 INVALID-ORDER-441 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ R_L\right)$

$$H(s) = -\frac{R_L\left(C_4L_4s^2+1\right)\left(-C_5L_5R_5g_ms^2 + C_5L_5s^2}{C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4L_5s^4 + 2C_4C_5L_4R_5R_Lg_ms^3 + C_4C_5L_4R_5s^3 + 2C_4C_5L_5R_5R_Lg_ms^3 + 2C_4C_5L_5R_Ls^3 + 2C_4C_5R_5R_Ls^2 + C_4L_4R_5g_ms^2}$$

10.442 INVALID-ORDER-442 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4L_4s^2+1\right)\left(-C_5L_5R_5g_ms^2 + C_5L_5s^2 + C\right.}{C_4C_5C_LL_4L_5R_5g_ms^5 + C_4C_5C_LL_4L_5s^5 + C_4C_5C_LL_4R_5s^4 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_5R_5g_ms^3 + 2C_4C_5L_5s^3 + 2C_4C_5R_5s^2 + C_4C_LL_4R_5g_ms^3 + C}$$

10.443 INVALID-ORDER-443 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_Ls^5 + C_4C_5C_LL_4R_5R_Ls^4 + C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4L_5s^4 + 2C_4C_5L_4R_5R_Lg_ms^3 + C_4C_5L_4R_5s^3 +}$$

10.444 INVALID-ORDER-444 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_5s^4 + 2C_4C_5C_LL_5R_5R_Lg_ms^4 + 2C_4C_5C_LL_5R_Ls^4 + 2C_4C_5C_L}$$

10.445 INVALID-ORDER-445 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_5g_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_4L_LR_5g_ms^5 + C_4C_5C_LL_4R_5s^4 + 2C_4C_5C_LL_5L_LR_5g_ms^5 + 2C_4C_5C_LL_5L_Ls^5 + 2C_4C_5C_L}$$

10.446 INVALID-ORDER-446 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_5g_ms^6 + C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_4L_LR_5s^5 + 2C_4C_5L_4L_5L_Lg_ms^5 + C_4C_5L_4L_5R_5g_ms^4 + C_4C_5L_4L_5s^4 + 2C_4C_5L_4L_LR_5g_ms^4 + C_4C_5L_4R_5s^3 + 2}$$

10.447 INVALID-ORDER-447 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_5s^4 + 2C_4}$$

10.448 INVALID-ORDER-448 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_Ls^6 + C_4C_5C_LL_4L_LR_5R_Ls^5 + C_4C_5L_4L_5L_LR_5g_ms^5 + 2C_4C_5L_4L_5L_LR_Lg_ms^5 + C_4C_5L_4L_5L_Ls^5 + C_4C_5L_4L_5R_5R_Lg_ms$$

10.449 INVALID-ORDER-449 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = -\frac{}{C_4 C_5 C_L L_4 L_5 L_L R_5 g_m s^6 + 2C_4 C_5 C_L L_4 L_5 L_L R_L g_m s^6 + C_4 C_5 C_L L_4 L_5 L_L s^6 + 2C_4 C_5 C_L L_4 L_L R_5 R_L g_m s^5 + C_4 C_5 C_L L_4 L_L R_5 s^5 + 2C_4 C_5 C_L L_5 L_L R_5 R_L g_m s^5 + 2C_4 C_5 C_L L_5$$

10.450 INVALID-ORDER-450 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{C_4 C_5 C_L L_4 L_5 L_L R_5 g_m s^6 + 2C_4 C_5 C_L L_4 L_5 L_L R_L g_m s^6 + C_4 C_5 C_L L_4 L_5 L_L s^6 + C_4 C_5 C_L L_4 L_5 R_5 R_L g_m s^5 + C_4 C_5 C_L L_4 L_5 R_L s^5 + 2C_4 C_5 C_L L_4 L_L R_5 R_L g_m s^5 + C_4 C_5 C_L L_4 L_L$$

10.451 INVALID-ORDER-451 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ R_5,\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 s \left(R_5 g_m - 1\right)\left(C_L R_L s + 1\right)}{2C_4 C_L L_4 R_5 R_L g_m s^3 + 2C_4 C_L L_4 R_L s^3 + 2C_4 L_4 R_5 g_m s^2 + 2C_4 L_4 s^2 + C_L L_4 R_5 g_m s^2 + 2C_L L_4 R_L g_m s^2 + C_L L_4 s^2 + 2C_L R_5 R_L g_m s + 2C_L R_L s + 2L_4 g_m s + 2R_5 g_m + 2}$$

10.452 INVALID-ORDER-452 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ R_5,\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 s \left(R_5 g_m - 1\right)\left(C_L L_L s^2 + 1\right)}{2C_4 C_L L_4 L_L R_5 g_m s^4 + 2C_4 C_L L_4 L_L s^4 + 2C_4 L_4 R_5 g_m s^2 + 2C_4 L_4 s^2 + 2C_L L_4 L_L g_m s^3 + C_L L_4 R_5 g_m s^2 + C_L L_4 s^2 + 2C_L L_L R_5 g_m s^2 + 2C_L L_L s^2 + 2L_4 g_m s + 2R_5 g_m + 2}$$

10.453 INVALID-ORDER-453 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2 + 1},\ R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 s \left(R_5 g_m - 1\right)\left(C_L L_L s^2 + C_L R_L s + 1\right)}{2C_4 C_L L_4 L_L R_5 g_m s^4 + 2C_4 C_L L_4 L_L s^4 + 2C_4 C_L L_4 R_5 R_L g_m s^3 + 2C_4 C_L L_4 R_L s^3 + 2C_4 L_4 R_5 g_m s^2 + 2C_4 L_4 s^2 + 2C_L L_4 L_L g_m s^3 + C_L L_4 R_5 g_m s^2 + 2C_L L_4 R_L g_m s^2 + C_L L_4 s^2 -$$

10.454 INVALID-ORDER-454 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{L_4 s \left(R_5 g_m - 1\right) \left(C_L L_L R_L s^2 + L_L s + R_L\right)}{2C_4 C_L L_4 L_L R_5 R_L g_m s^4 + 2C_4 C_L L_4 L_L R_L s^4 + 2C_4 L_4 L_L R_5 g_m s^3 + 2C_4 L_4 L_L s^3 + 2C_4 L_4 R_5 R_L g_m s^2 + 2C_4 L_4 R_L s^2 + C_L L_4 L_L R_5 g_m s^3 + 2C_L L_4 L_L R_L g_m s^3 + C_L L_4 L_L s^3 + 2}$$

10.455 INVALID-ORDER-455 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{L_4 R_L s \left(R_5 g_m - 1\right) \left(C_L L_L s^2 + 1\right)}{2C_4 C_L L_4 L_L R_5 R_L g_m s^4 + 2C_4 C_L L_4 L_L R_L s^4 + 2C_4 L_4 R_5 R_L g_m s^2 + 2C_4 L_4 R_L s^2 + C_L L_4 L_L R_5 g_m s^3 + 2C_L L_4 L_L R_L g_m s^3 + C_L L_4 L_L s^3 + C_L L_4 R_5 R_L g_m s^2 + C_L L_4 R_L s^2 + 2C}$$

10.456 INVALID-ORDER-456 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{L_4 R_L s \left(-C_5 s + g_m\right)}{2C_4 C_5 L_4 R_L s^3 + 2C_4 L_4 R_L g_m s^2 + 2C_5 L_4 R_L g_m s^2 + C_5 L_4 s^2 + 2C_5 R_L s + L_4 g_m s + 2R_L g_m}$$

10.457 INVALID-ORDER-457 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 s \left(-C_5 s + g_m\right)}{2C_4 C_5 L_4 s^3 + 2C_4 L_4 g_m s^2 + C_5 C_L L_4 s^3 + 2C_5 L_4 g_m s^2 + 2C_5 s + C_L L_4 g_m s^2 + 2g_m}$$

10.458 INVALID-ORDER-458 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{L_4 R_L s \left(-C_5 s + g_m\right)}{2C_4 C_5 L_4 R_L s^3 + 2C_4 L_4 R_L g_m s^2 + C_5 C_L L_4 R_L s^3 + 2C_5 L_4 R_L g_m s^2 + C_5 L_4 s^2 + 2C_5 R_L s + C_L L_4 R_L g_m s^2 + L_4 g_m s + 2R_L g_m}$$

10.459 INVALID-ORDER-459 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{L_4 s \left(C_5 s - g_m\right) \left(C_L R_L s + 1\right)}{2C_4 C_5 C_L L_4 R_L s^4 + 2C_4 C_5 L_4 s^3 + 2C_4 C_L L_4 R_L g_m s^3 + 2C_4 L_4 g_m s^2 + 2C_5 C_L L_4 R_L g_m s^3 + C_5 C_L L_4 s^3 + 2C_5 C_L R_L s^2 + 2C_5 L_4 g_m s^2 + 2C_5 s + C_L L_4 g_m s^2 + 2C_L R_L g_m s + 2}$$

10.460 INVALID-ORDER-460 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{L_4 s \left(C_5 s - g_m\right) \left(C_L L_L s^2 + 1\right)}{2C_4C_5C_L L_4 L_L s^5 + 2C_4C_5 L_4 s^3 + 2C_4C_L L_4 L_L g_m s^4 + 2C_4 L_4 g_m s^2 + 2C_5 C_L L_4 L_L g_m s^4 + C_5 C_L L_4 s^3 + 2C_5 C_L L_L s^3 + 2C_5 L_4 g_m s^2 + 2C_5 s + C_L L_4 g_m s^2 + 2C_L L_L g_m s^2 + 2}$$

10.461 INVALID-ORDER-461 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_4 L_L s \left(-C_5 s + g_m\right)}{2C_4C_5 L_4 L_L s^3 + 2C_4 L_4 L_L g_m s^2 + C_5 C_L L_4 L_L s^3 + 2C_5 L_4 L_L g_m s^2 + C_5 L_4 s + 2C_5 L_L s + C_L L_4 L_L g_m s^2 + L_4 g_m + 2L_L g_m}$$

10.462 INVALID-ORDER-462 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{L_4 s \left(C_5 s - g_m\right) \left(C_L L_L s^2 + C_L R_L s + 1\right)}{2C_4C_5C_L L_4 L_L s^5 + 2C_4C_5C_L L_4 R_L s^4 + 2C_4C_5 L_4 s^3 + 2C_4C_L L_4 L_L g_m s^4 + 2C_4C_L L_4 R_L g_m s^3 + 2C_4 L_4 g_m s^2 + 2C_5 C_L L_4 L_L g_m s^4 + 2C_5 C_L L_4 R_L g_m s^3 + C_5 C_L L_4 s^3 + 2C_5 C}$$

10.463 INVALID-ORDER-463 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_4 L_L R_L s \left(-C_5 s + g_m\right)}{2C_4C_5 L_4 L_L R_L s^3 + 2C_4 L_4 L_L R_L g_m s^2 + C_5 C_L L_4 L_L R_L s^3 + 2C_5 L_4 L_L R_L g_m s^2 + C_5 L_4 L_L s^2 + C_5 L_4 R_L s + 2C_5 L_L R_L s + C_L L_4 L_L R_L g_m s^2 + L_4 L_L g_m s + L_4 R_L g_m + 2L_L R_L}$$

10.464 INVALID-ORDER-464 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{L_4 s \left(C_5 s - g_m\right) \left(C_L L_L R_L s^2 + L_L s + \right.}{2C_4C_5C_L L_4 L_L R_L s^5 + 2C_4C_5 L_4 L_L s^4 + 2C_4C_5 L_4 R_L s^3 + 2C_4C_L L_4 L_L R_L g_m s^4 + 2C_4 L_4 L_L g_m s^3 + 2C_4 L_4 R_L g_m s^2 + 2C_5 C_L L_4 L_L R_L g_m s^4 + C_5 C_L L_4 L_L s^4 + 2C_5 C_L L_L R_L}$$

10.465 INVALID-ORDER-465 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{L_4 R_L s\left(C_5 s - g_m\right)\left(C_L L_L s^2+1\right)}{2C_4C_5C_L L_4 L_L R_L s^5 + 2C_4C_5 L_4 R_L s^3 + 2C_4 C_L L_4 L_L R_L g_m s^4 + 2C_4 L_4 R_L g_m s^2 + 2C_5 C_L L_4 L_L R_L g_m s^4 + C_5 C_L L_4 L_L s^4 + C_5 C_L L_4 R_L s^3 + 2C_5 C_L L_L R_L s^3 + 2C_5 L_4 R_L g_m s}$$

10.466 INVALID-ORDER-466 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ R_L\right)$

$$H(s) = \frac{L_4 R_L s\left(-C_5 R_5 s + R_5 g_m - 1\right)}{2C_4C_5 L_4 R_5 R_L s^3 + 2C_4 L_4 R_5 R_L g_m s^2 + 2C_4 L_4 R_L s^2 + 2C_5 L_4 R_5 R_L g_m s^2 + C_5 L_4 R_5 s^2 + 2C_5 R_5 R_L s + L_4 R_5 g_m s + 2L_4 R_L g_m s + L_4 s + 2R_5 R_L g_m + 2R_L}$$

10.467 INVALID-ORDER-467 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 s\left(-C_5 R_5 s + R_5 g_m - 1\right)}{2C_4C_5 L_4 R_5 s^3 + 2C_4 L_4 R_5 g_m s^2 + 2C_4 L_4 s^2 + C_5 C_L L_4 R_5 s^3 + 2C_5 L_4 R_5 g_m s^2 + 2C_5 R_5 s + C_L L_4 R_5 g_m s^2 + C_L L_4 s^2 + 2L_4 g_m s + 2R_5 g_m + 2}$$

10.468 INVALID-ORDER-468 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{L_4 R_L s\left(-C_5 R_5 s + R_5 g_m - 1\right)}{2C_4C_5 L_4 R_5 R_L s^3 + 2C_4 L_4 R_5 R_L g_m s^2 + 2C_4 L_4 R_L s^2 + C_5 C_L L_4 R_5 R_L s^3 + 2C_5 L_4 R_5 R_L g_m s^2 + C_5 L_4 R_5 s^2 + 2C_5 R_5 R_L s + C_L L_4 R_5 R_L g_m s^2 + C_L L_4 R_L s^2 + L_4 R_5 g_m s + 2L_4}$$

10.469 INVALID-ORDER-469 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{L_4 s\left(C_L R_L s+1\right)\left(C_5 R_5 s - R_5 g_m + 1\right)}{2C_4C_5C_L L_4 R_5 R_L s^4 + 2C_4C_5 L_4 R_5 s^3 + 2C_4 C_L L_4 R_5 R_L g_m s^3 + 2C_4 C_L L_4 R_L s^3 + 2C_4 L_4 R_5 g_m s^2 + 2C_4 L_4 s^2 + 2C_5 C_L L_4 R_5 R_L g_m s^3 + C_5 C_L L_4 R_5 s^3 + 2C_5 C_L R_5 R_L s^2 + 2C}$$

10.470 INVALID-ORDER-470 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{L_4 s\left(C_L L_L s^2+1\right)\left(C_5 R_5 s - R_5 g_m + 1\right)}{2C_4C_5C_L L_4 L_L R_5 s^5 + 2C_4C_5 L_4 R_5 s^3 + 2C_4 C_L L_4 L_L R_5 g_m s^4 + 2C_4 C_L L_4 L_L s^4 + 2C_4 L_4 R_5 g_m s^2 + 2C_4 L_4 s^2 + 2C_5 C_L L_4 L_L R_5 g_m s^4 + C_5 C_L L_4 R_5 s^3 + 2C_5 C_L L_L R_5 s^3 + 2C}$$

10.471 INVALID-ORDER-471 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_4 L_L s\left(-C_5 R_5 s + R_5 g_m - 1\right)}{2C_4C_5L_4L_LR_5s^3 + 2C_4L_4L_LR_5g_ms^2 + 2C_4L_4L_Ls^2 + C_5C_LL_4L_LR_5s^3 + 2C_5L_4L_LR_5g_ms^2 + C_5L_4R_5s + 2C_5L_LR_5s + C_LL_4L_LR_5g_ms^2 + C_LL_4L_Ls^2 + 2L_4L_Lg_ms + L_4R_5}$$

10.472 INVALID-ORDER-472 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_5s^5 + 2C_4C_5C_LL_4R_5R_Ls^4 + 2C_4C_5L_4R_5s^3 + 2C_4C_LL_4L_LR_5g_ms^4 + 2C_4C_LL_4L_Ls^4 + 2C_4C_LL_4R_5R_Lg_ms^3 + 2C_4C_LL_4R_Ls^3 + 2C_4L_4R_5g_ms^2 + 2C_4L_4s}$$

10.473 INVALID-ORDER-473 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_4 L_L R_L s\left(-C_5 R_5 s + R_5 g_m - 1\right)}{2C_4C_5L_4L_LR_5R_Ls^3 + 2C_4L_4L_LR_5R_Lg_ms^2 + 2C_4L_4L_LR_Ls^2 + C_5C_LL_4L_LR_5R_Ls^3 + 2C_5L_4L_LR_5R_Lg_ms^2 + C_5L_4L_LR_5s^2 + C_5L_4R_5R_Ls + 2C_5L_LR_5R_Ls + C_LL_4L_LR_5R_}$$

10.474 INVALID-ORDER-474 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_5R_Ls^5 + 2C_4C_5L_4L_LR_5s^4 + 2C_4C_5L_4R_5R_Ls^3 + 2C_4C_LL_4L_LR_5R_Lg_ms^4 + 2C_4C_LL_4L_LR_Ls^4 + 2C_4L_4L_LR_5g_ms^3 + 2C_4L_4L_Ls^3 + 2C_4L_4R_5R_Lg_ms^2 + 2}$$

10.475 INVALID-ORDER-475 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_5R_Ls^5 + 2C_4C_5L_4R_5R_Ls^3 + 2C_4C_LL_4L_LR_5R_Lg_ms^4 + 2C_4C_LL_4L_LR_Ls^4 + 2C_4L_4R_5R_Lg_ms^2 + 2C_4L_4R_Ls^2 + 2C_5C_LL_4L_LR_5R_Lg_ms^4 + C_5C_LL_4L_LR_5s}$$

10.476 INVALID-ORDER-476 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{L_4 R_L s\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5L_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_Ls^3 + 2C_4L_4R_Lg_ms^2 + C_5L_4R_5g_ms^2 + 2C_5L_4R_Lg_ms^2 + C_5L_4s^2 + 2C_5R_5R_Lg_ms + 2C_5R_Ls + L_4g_ms + 2R_Lg_m}$$

10.477 INVALID-ORDER-477 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 s\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4s^3 + 2C_4L_4g_ms^2 + C_5C_LL_4R_5g_ms^3 + C_5C_LL_4s^3 + 2C_5L_4g_ms^2 + 2C_5R_5g_ms + 2C_5s + C_LL_4g_ms^2 + 2g_m}$$

10.478 INVALID-ORDER-478 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{L_4 R_L s\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5L_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_Ls^3 + 2C_4L_4R_Lg_ms^2 + C_5C_LL_4R_5R_Lg_ms^3 + C_5C_LL_4R_Ls^3 + C_5L_4R_5g_ms^2 + 2C_5L_4R_Lg_ms^2 + C_5L_4s^2 + 2C_5R_5R_Lg_ms + 2C_5R_Ls + C_L$$

10.479 INVALID-ORDER-479 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 s\left(C_L R_L s + 1\right)\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5C_LL_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_4R_Ls^4 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4s^3 + 2C_4C_LL_4R_Lg_ms^3 + 2C_4L_4g_ms^2 + C_5C_LL_4R_5g_ms^3 + 2C_5C_LL_4R_Lg_ms^3 + C_5C_LL_4s^3 + 2C$$

10.480 INVALID-ORDER-480 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 s\left(C_L L_L s^2 + 1\right)\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_Ls^5 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4s^3 + 2C_4C_LL_4L_Lg_ms^4 + 2C_4L_4g_ms^2 + 2C_5C_LL_4L_Lg_ms^4 + C_5C_LL_4R_5g_ms^3 + C_5C_LL_4s^3 + 2C_5$$

10.481 INVALID-ORDER-481 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_4 L_L s\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5L_4L_LR_5g_ms^3 + 2C_4C_5L_4L_Ls^3 + 2C_4L_4L_Lg_ms^2 + C_5C_LL_4L_LR_5g_ms^3 + C_5C_LL_4L_Ls^3 + 2C_5L_4L_Lg_ms^2 + C_5L_4R_5g_ms + C_5L_4s + 2C_5L_LR_5g_ms + 2C_5L_Ls + C_LL_4L$$

10.482 INVALID-ORDER-482 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_Ls^5 + 2C_4C_5C_LL_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_4R_Ls^4 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4s^3 + 2C_4C_LL_4L_Lg_ms^4 + 2C_4C_LL_4R_Lg_ms^3 + 2C_4}$$

10.483 INVALID-ORDER-483 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_4L_LR_Ls\left(C_5R_5g_ms - C_5s + g_m\right)}{2C_4C_5L_4L_LR_5R_Lg_ms^3 + 2C_4C_5L_4L_LR_Ls^3 + 2C_4L_4L_LR_Lg_ms^2 + C_5C_LL_4L_LR_5R_Lg_ms^3 + C_5C_LL_4L_LR_Ls^3 + C_5L_4L_LR_5g_ms^2 + 2C_5L_4L_LR_Lg_ms^2 + C_5L_4L_Ls^2 + C_5L_4R}$$

10.484 INVALID-ORDER-484 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_LR_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_Ls^5 + 2C_4C_5L_4L_LR_5g_ms^4 + 2C_4C_5L_4L_Ls^4 + 2C_4C_5L_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_Ls^3 + 2C_4C_LL_4L_LR_Lg_ms^4 + 2C_4L_4L_Lg_ms^3}$$

10.485 INVALID-ORDER-485 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_LR_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_Ls^5 + 2C_4C_5L_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_Ls^3 + 2C_4C_LL_4L_LR_Lg_ms^4 + 2C_4L_4R_Lg_ms^2 + C_5C_LL_4L_LR_5g_ms^4 + 2C_5C_LL_4L_LR_L}$$

10.486 INVALID-ORDER-486 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{L_4R_Ls\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{2C_4C_5L_4L_5R_Lg_ms^4 + 2C_4C_5L_4R_Ls^3 + 2C_4L_4R_Lg_ms^2 + C_5L_4L_5g_ms^3 + 2C_5L_4R_Lg_ms^2 + C_5L_4s^2 + 2C_5L_5R_Lg_ms^2 + 2C_5R_Ls + L_4g_ms + 2R_Lg_m}$$

10.487 INVALID-ORDER-487 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 s \left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{2C_4C_5L_4L_5g_m s^4 + 2C_4C_5L_4 s^3 + 2C_4L_4g_m s^2 + C_5C_LL_4L_5g_m s^4 + C_5C_LL_4 s^3 + 2C_5L_4g_m s^2 + 2C_5L_5g_m s^2 + 2C_5 s + C_LL_4g_m s^2 + 2g_m}$$

10.488 INVALID-ORDER-488 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{L_4 R_L s \left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{2C_4C_5L_4L_5R_Lg_m s^4 + 2C_4C_5L_4R_L s^3 + 2C_4L_4R_Lg_m s^2 + C_5C_LL_4L_5R_Lg_m s^4 + C_5C_LL_4R_L s^3 + C_5L_4L_5g_m s^3 + 2C_5L_4R_Lg_m s^2 + C_5L_4 s^2 + 2C_5L_5R_Lg_m s^2 + 2C_5R_L s + C_L}$$

10.489 INVALID-ORDER-489 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 s \left(C_L R_L s + 1\right) \left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{2C_4C_5C_LL_4L_5R_Lg_m s^5 + 2C_4C_5C_LL_4R_L s^4 + 2C_4C_5L_4L_5g_m s^4 + 2C_4C_5L_4 s^3 + 2C_4C_LL_4R_Lg_m s^3 + 2C_4L_4g_m s^2 + C_5C_LL_4L_5g_m s^4 + 2C_5C_LL_4R_Lg_m s^3 + C_5C_LL_4 s^3 + 2C_5}$$

10.490 INVALID-ORDER-490 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 s \left(C_L L_L s^2 + 1\right) \left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{2C_4C_5C_LL_4L_5L_Lg_m s^6 + 2C_4C_5C_LL_4L_L s^5 + 2C_4C_5L_4L_5g_m s^4 + 2C_4C_5L_4 s^3 + 2C_4C_LL_4L_Lg_m s^4 + 2C_4L_4g_m s^2 + C_5C_LL_4L_5g_m s^4 + 2C_5C_LL_4L_Lg_m s^4 + C_5C_LL_4 s^3 + 2C_5C}$$

10.491 INVALID-ORDER-491 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_4 L_L s \left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{2C_4C_5L_4L_5L_Lg_m s^4 + 2C_4C_5L_4L_L s^3 + 2C_4L_4L_Lg_m s^2 + C_5C_LL_4L_5L_Lg_m s^4 + C_5C_LL_4L_L s^3 + C_5L_4L_5g_m s^2 + 2C_5L_4L_Lg_m s^2 + C_5L_4 s + 2C_5L_5L_Lg_m s^2 + 2C_5L_L s + C_LL_4}$$

10.492 INVALID-ORDER-492 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_Lg_m s^6 + 2C_4C_5C_LL_4L_5R_Lg_m s^5 + 2C_4C_5C_LL_4L_L s^5 + 2C_4C_5C_LL_4R_L s^4 + 2C_4C_5L_4L_5g_m s^4 + 2C_4C_5L_4 s^3 + 2C_4C_LL_4L_Lg_m s^4 + 2C_4C_LL_4R_Lg_m s^3 + 2C_4}$$

10.493 INVALID-ORDER-493 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_4 L_L R_L s \left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{2C_4C_5L_4L_5L_LR_Lg_ms^4 + 2C_4C_5L_4L_LR_Ls^3 + 2C_4L_4L_LR_Lg_ms^2 + C_5C_LL_4L_5L_LR_Lg_ms^4 + C_5C_LL_4L_LR_Ls^3 + C_5L_4L_5L_Lg_ms^3 + C_5L_4L_5R_Lg_ms^2 + 2C_5L_4L_LR_Lg_ms^2 + C_5}$$

10.494 INVALID-ORDER-494 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + 2C_4C_5C_LL_4L_LR_Ls^5 + 2C_4C_5L_4L_5L_Lg_ms^5 + 2C_4C_5L_4L_5R_Lg_ms^4 + 2C_4C_5L_4L_Ls^4 + 2C_4C_5L_4R_Ls^3 + 2C_4C_LL_4L_LR_Lg_ms^4 + 2C_4L_4L_Lg_ms^3 +}$$

10.495 INVALID-ORDER-495 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + 2C_4C_5C_LL_4L_LR_Ls^5 + 2C_4C_5L_4L_5R_Lg_ms^4 + 2C_4C_5L_4R_Ls^3 + 2C_4C_LL_4L_LR_Lg_ms^4 + 2C_4L_4R_Lg_ms^2 + C_5C_LL_4L_5L_Lg_ms^5 + C_5C_LL_4L_5R_Lg_m}$$

10.496 INVALID-ORDER-496 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L\right)$

$$H(s) = \frac{L_4 R_L s \left(-C_5 L_5 s^2 + L_5 g_m s - 1\right)}{2C_4C_5L_4L_5R_Ls^4 + 2C_4L_4L_5R_Lg_ms^3 + 2C_4L_4R_Ls^2 + 2C_5L_4L_5R_Lg_ms^3 + C_5L_4L_5s^3 + 2C_5L_5R_Ls^2 + L_4L_5g_ms^2 + 2L_4R_Lg_ms + L_4s + 2L_5R_Lg_ms + 2R_L}$$

10.497 INVALID-ORDER-497 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 s \left(-C_5 L_5 s^2 + L_5 g_m s - 1\right)}{2C_4C_5L_4L_5s^4 + 2C_4L_4L_5g_ms^3 + 2C_4L_4s^2 + C_5C_LL_4L_5s^4 + 2C_5L_4L_5g_ms^3 + 2C_5L_5s^2 + C_LL_4L_5g_ms^3 + C_LL_4s^2 + 2L_4g_ms + 2L_5g_ms + 2}$$

10.498 INVALID-ORDER-498 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{L_4 R_L s \left(-C_5 L_5 s^2 + L_5 g_m s - 1\right)}{2C_4C_5L_4L_5R_Ls^4 + 2C_4L_4L_5R_Lg_ms^3 + 2C_4L_4R_Ls^2 + C_5C_LL_4L_5R_Ls^4 + 2C_5L_4L_5R_Lg_ms^3 + C_5L_4L_5s^3 + 2C_5L_5R_Ls^2 + C_LL_4L_5R_Lg_ms^3 + C_LL_4R_Ls^2 + L_4L_5g_ms^2 + 2L_4}$$

10.499 INVALID-ORDER-499 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{L_4 s \left(C_L R_L s + 1\right)\left(C_5 L_5 s^2 - L_5 g_m s + 1\right)}{2C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5L_4L_5s^4 + 2C_4C_LL_4L_5R_Lg_ms^4 + 2C_4C_LL_4R_Ls^3 + 2C_4L_4L_5g_ms^3 + 2C_4L_4s^2 + 2C_5C_LL_4L_5R_Lg_ms^4 + C_5C_LL_4L_5s^4 + 2C_5C_LL_5R_Ls^3 + 2C_5}$$

10.500 INVALID-ORDER-500 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{L_4 s \left(C_L L_L s^2 + 1\right)\left(C_5 L_5 s^2 - L_5 g_m s + 1\right)}{2C_4C_5C_LL_4L_5L_Ls^6 + 2C_4C_5L_4L_5s^4 + 2C_4C_LL_4L_5L_Lg_ms^5 + 2C_4C_LL_4L_Ls^4 + 2C_4L_4L_5g_ms^3 + 2C_4L_4s^2 + 2C_5C_LL_4L_5L_Lg_ms^5 + C_5C_LL_4L_5s^4 + 2C_5C_LL_5L_Ls^4 + 2C_5L}$$

10.501 INVALID-ORDER-501 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_4 L_L s \left(-C_5 L_5 s^2 + L_5 g_m s - 1\right)}{2C_4C_5L_4L_5L_Ls^4 + 2C_4L_4L_5L_Lg_ms^3 + 2C_4L_4L_Ls^2 + C_5C_LL_4L_5L_Ls^4 + 2C_5L_4L_5L_Lg_ms^3 + C_5L_4L_5s^2 + 2C_5L_5L_Ls^2 + C_LL_4L_5L_Lg_ms^3 + C_LL_4L_Ls^2 + L_4L_5g_ms + 2L_4L_L}$$

10.502 INVALID-ORDER-502 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_Ls^6 + 2C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5L_4L_5s^4 + 2C_4C_LL_4L_5L_Lg_ms^5 + 2C_4C_LL_4L_5R_Lg_ms^4 + 2C_4C_LL_4L_Ls^4 + 2C_4C_LL_4R_Ls^3 + 2C_4L_4L_5g_ms^3 + 2C_4L_4s^2}$$

10.503 INVALID-ORDER-503 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_4 L_L R_L s \left(-C_5 L_5 s^2 + L_5 g_m s - 1\right)}{2C_4C_5L_4L_5L_LR_Ls^4 + 2C_4L_4L_5L_LR_Lg_ms^3 + 2C_4L_4L_LR_Ls^2 + C_5C_LL_4L_5L_LR_Ls^4 + 2C_5L_4L_5L_LR_Lg_ms^3 + C_5L_4L_5L_Ls^3 + C_5L_4L_5R_Ls^2 + 2C_5L_5L_LR_Ls^2 + C_LL_4L_5L_LR$$

10.504 INVALID-ORDER-504 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_Ls^6 + 2C_4C_5L_4L_5L_Ls^5 + 2C_4C_5L_4L_5R_Ls^4 + 2C_4C_LL_4L_5L_LR_Lg_ms^5 + 2C_4C_LL_4L_LR_Ls^4 + 2C_4L_4L_5L_Lg_ms^4 + 2C_4L_4L_5R_Lg_ms^3 + 2C_4L_4L_Ls^3 + 2C$$

10.505 INVALID-ORDER-505 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_Ls^6 + 2C_4C_5L_4L_5R_Ls^4 + 2C_4C_LL_4L_5L_LR_Lg_ms^5 + 2C_4C_LL_4L_LR_Ls^4 + 2C_4L_4L_5R_Lg_ms^3 + 2C_4L_4R_Ls^2 + 2C_5C_LL_4L_5L_LR_Lg_ms^5 + C_5C_LL_4L_5L_Ls^5$$

10.506 INVALID-ORDER-506 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{L_4 R_L s \left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5L_4L_5R_Lg_ms^4 + 2C_4C_5L_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_Ls^3 + 2C_4L_4R_Lg_ms^2 + C_5L_4L_5g_ms^3 + C_5L_4R_5g_ms^2 + 2C_5L_4R_Lg_ms^2 + C_5L_4s^2 + 2C_5L_5R_Lg_ms^2 + 2C_5R_5R_Lg_ms$$

10.507 INVALID-ORDER-507 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 s \left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4s^3 + 2C_4L_4g_ms^2 + C_5C_LL_4L_5g_ms^4 + C_5C_LL_4R_5g_ms^3 + C_5C_LL_4s^3 + 2C_5L_4g_ms^2 + 2C_5L_5g_ms^2 + 2C_5R_5g_ms + 2C_5s + C$$

10.508 INVALID-ORDER-508 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{L_4 R_L s \left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5L_4L_5R_Lg_ms^4 + 2C_4C_5L_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_Ls^3 + 2C_4L_4R_Lg_ms^2 + C_5C_LL_4L_5R_Lg_ms^4 + C_5C_LL_4R_5R_Lg_ms^3 + C_5C_LL_4R_Ls^3 + C_5L_4L_5g_ms^3 + C_5L_4R_5g_ms^2 +}$$

10.509 INVALID-ORDER-509 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 s \left(C_L R_L s +\right.}{2C_4C_5C_LL_4L_5R_Lg_ms^5 + 2C_4C_5C_LL_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_4R_Ls^4 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4s^3 + 2C_4C_LL_4R_Lg_ms^3 + 2C_4L_4g_ms^2 + C_5C_LL_4L_{5}}$$

10.510 INVALID-ORDER-510 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 s \left(C_L L_L s^2 +\right.}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + 2C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_Ls^5 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4s^3 + 2C_4C_LL_4L_Lg_ms^4 + 2C_4L_4g_ms^2 + C_5C_LL_4L_{5}}$$

10.511 INVALID-ORDER-511 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_4 L_L s \left(C_5 L_5 g_m s^2 + C_5 R_5 g_m s - C_5 s + g_m\right)}{2C_4C_5L_4L_5L_Lg_ms^4 + 2C_4C_5L_4L_LR_5g_ms^3 + 2C_4C_5L_4L_Ls^3 + 2C_4L_4L_Lg_ms^2 + C_5C_LL_4L_5L_Lg_ms^4 + C_5C_LL_4L_LR_5g_ms^3 + C_5C_LL_4L_Ls^3 + C_5L_4L_5g_ms^2 + 2C_5L_4L_Lg_ms^2 +}$$

10.512 INVALID-ORDER-512 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_Ls^5 + 2C_4C_5C_LL_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_4R_Ls^4 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L}$$

10.513 INVALID-ORDER-513 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5L_LR_Lg_ms^4 + 2C_4C_5L_4L_LR_5R_Lg_ms^3 + 2C_4C_5L_4L_LR_Ls^3 + 2C_4L_4L_LR_Lg_ms^2 + C_5C_LL_4L_5L_LR_Lg_ms^4 + C_5C_LL_4L_LR_5R_Lg_ms^3 + C_5C_LL_4L_LR_Ls^3 + C_5L_4L_5L$$

10.514 INVALID-ORDER-514 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + 2C_4C_5C_LL_4L_LR_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_Ls^5 + 2C_4C_5L_4L_5L_Lg_ms^5 + 2C_4C_5L_4L_5R_Lg_ms^4 + 2C_4C_5L_4L_LR_5g_ms^4 + 2C_4C_5L_4L_Ls^4 + 2C_4C$$

10.515 INVALID-ORDER-515 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + 2C_4C_5C_LL_4L_LR_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_Ls^5 + 2C_4C_5L_4L_5R_Lg_ms^4 + 2C_4C_5L_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_Ls^3 + 2C_4C_LL_4L_LR_Lg_ms^4 + 2C_4$$

10.516 INVALID-ORDER-516 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ R_L\right)$

$$H(s) = \frac{L_4R_Ls\left(-C_5L_5R_5s^2 + L_5R_5g_ms - L_5s - R_5\right)}{2C_4C_5L_4L_5R_5R_Ls^4 + 2C_4L_4L_5R_5R_Lg_ms^3 + 2C_4L_4L_5R_Ls^3 + 2C_4L_4R_5R_Ls^2 + 2C_5L_4L_5R_5R_Lg_ms^3 + C_5L_4L_5R_5s^3 + 2C_5L_5R_5R_Ls^2 + L_4L_5R_5g_ms^2 + 2L_4L_5R_Lg_ms^2 + L$$

10.517 INVALID-ORDER-517 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4s\left(-C_5L_5R_5s^2 + L_5R_5g_ms - L_5s - R_5\right)}{2C_4C_5L_4L_5R_5s^4 + 2C_4L_4L_5R_5g_ms^3 + 2C_4L_4L_5s^3 + 2C_4L_4R_5s^2 + C_5C_LL_4L_5R_5s^4 + 2C_5L_4L_5R_5g_ms^3 + 2C_5L_5R_5s^2 + C_LL_4L_5R_5g_ms^3 + C_LL_4L_5s^3 + C_LL_4R_5s^2 + 2L_4L$$

10.518 INVALID-ORDER-518 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{L_4 R_L s \left(-C_5 L_5 R_5 s^2 + L_5 R_5 g_m s -}{2C_4 C_5 L_4 L_5 R_5 R_L s^4 + 2C_4 L_4 L_5 R_5 R_L g_m s^3 + 2C_4 L_4 L_5 R_L s^3 + 2C_4 L_4 R_5 R_L s^2 + C_5 C_L L_4 L_5 R_5 R_L s^4 + 2C_5 L_4 L_5 R_5 R_L g_m s^3 + C_5 L_4 L_5 R_5 s^3 + 2C_5 L_5 R_5 R_L s^2 + C_L L_4 L_5 R_5 R}$$

10.519 INVALID-ORDER-519 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4 C_5 C_L L_4 L_5 R_5 R_L s^5 + 2C_4 C_5 L_4 L_5 R_5 s^4 + 2C_4 C_L L_4 L_5 R_5 R_L g_m s^4 + 2C_4 C_L L_4 L_5 R_L s^4 + 2C_4 C_L L_4 R_5 R_L s^3 + 2C_4 L_4 L_5 R_5 g_m s^3 + 2C_4 L_4 L_5 s^3 + 2C_4 L_4 R_5 s^2 + 2C_5 C_L L_4}$$

10.520 INVALID-ORDER-520 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4 C_5 C_L L_4 L_5 L_L R_5 s^6 + 2C_4 C_5 L_4 L_5 R_5 s^4 + 2C_4 C_L L_4 L_5 L_L R_5 g_m s^5 + 2C_4 C_L L_4 L_5 L_L s^5 + 2C_4 C_L L_4 L_L R_5 s^4 + 2C_4 L_4 L_5 R_5 g_m s^3 + 2C_4 L_4 L_5 s^3 + 2C_4 L_4 R_5 s^2 + 2C_5 C_L L_4}$$

10.521 INVALID-ORDER-521 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_4 L_L s \left(-C_5 L_5 R_5 s^2 + L_5 R_5 g_m s - L_5}{2C_4 C_5 L_4 L_5 L_L R_5 s^4 + 2C_4 L_4 L_5 L_L R_5 g_m s^3 + 2C_4 L_4 L_5 L_L s^3 + 2C_4 L_4 L_L R_5 s^2 + C_5 C_L L_4 L_5 L_L R_5 s^4 + 2C_5 L_4 L_5 L_L R_5 g_m s^3 + C_5 L_4 L_5 R_5 s^2 + 2C_5 L_5 L_L R_5 s^2 + C_L L_4 L_5 L_L R_5}$$

10.522 INVALID-ORDER-522 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4 C_5 C_L L_4 L_5 L_L R_5 s^6 + 2C_4 C_5 C_L L_4 L_5 R_5 R_L s^5 + 2C_4 C_5 L_4 L_5 R_5 s^4 + 2C_4 C_L L_4 L_5 L_L R_5 g_m s^5 + 2C_4 C_L L_4 L_5 L_L s^5 + 2C_4 C_L L_4 L_5 R_5 R_L g_m s^4 + 2C_4 C_L L_4 L_5 R_L s^4 + 2C_4 C_L}$$

10.523 INVALID-ORDER-523 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5L_LR_5R_Ls^4 + 2C_4L_4L_5L_LR_5R_Lg_ms^3 + 2C_4L_4L_5L_LR_Ls^3 + 2C_4L_4L_LR_5R_Ls^2 + C_5C_LL_4L_5L_LR_5R_Ls^4 + 2C_5L_4L_5L_LR_5R_Lg_ms^3 + C_5L_4L_5L_LR_5s^3 + C_5L_4L_5R$$

10.524 INVALID-ORDER-524 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_5R_Ls^6 + 2C_4C_5L_4L_5L_LR_5s^5 + 2C_4C_5L_4L_5R_5R_Ls^4 + 2C_4C_LL_4L_5L_LR_5R_Lg_ms^5 + 2C_4C_LL_4L_5L_LR_Ls^5 + 2C_4C_LL_4L_LR_5R_Ls^4 + 2C_4L_4L_5L_LR_5g_ms^4$$

10.525 INVALID-ORDER-525 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_5R_Ls^6 + 2C_4C_5L_4L_5R_5R_Ls^4 + 2C_4C_LL_4L_5L_LR_5R_Lg_ms^5 + 2C_4C_LL_4L_5L_LR_Ls^5 + 2C_4C_LL_4L_LR_5R_Ls^4 + 2C_4L_4L_5R_5R_Lg_ms^3 + 2C_4L_4L_5R_Ls^3 + 2C$$

10.526 INVALID-ORDER-526 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ R_L\right)$

$$H(s) = \frac{L_4R_Ls\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{2C_4C_5L_4L_5R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_Ls^4 + 2C_4L_4L_5R_Lg_ms^3 + 2C_4L_4R_5R_Lg_ms^2 + 2C_4L_4R_Ls^2 + C_5L_4L_5R_5g_ms^3 + 2C_5L_4L_5R_Lg_ms^3 + C_5L_4L_5s^3 + 2C_5L_5R_5R_Lg_ms^2 +$$

10.527 INVALID-ORDER-527 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4s\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 + L_5g_ms + R_5g_m - 1\right)}{2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5s^4 + 2C_4L_4L_5g_ms^3 + 2C_4L_4R_5g_ms^2 + 2C_4L_4s^2 + C_5C_LL_4L_5R_5g_ms^4 + C_5C_LL_4L_5s^4 + 2C_5L_4L_5g_ms^3 + 2C_5L_5R_5g_ms^2 + 2C_5L_5s^2 + C_L$$

10.528 INVALID-ORDER-528 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{L_4 R_L s \left(C_5 L_5 R_5 g_m$$
$$2C_4C_5L_4L_5R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_Ls^4 + 2C_4L_4L_5R_Lg_ms^3 + 2C_4L_4R_5R_Lg_ms^2 + 2C_4L_4R_Ls^2 + C_5C_LL_4L_5R_5R_Lg_ms^4 + C_5C_LL_4L_5R_Ls^4 + C_5L_4L_5R_5g_ms^3 + 2C_5L_4L$$

10.529 INVALID-ORDER-529 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5s^4 + 2C_4C_LL_4L_5R_Lg_ms^4 + 2C_4C_LL_4R_5R_Lg_ms^3 + 2C_4C_LL_4R_Ls^3 + 2C_4L_4L_5g_ms^3 +$$

10.530 INVALID-ORDER-530 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_Ls^6 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5s^4 + 2C_4C_LL_4L_5L_Lg_ms^5 + 2C_4C_LL_4L_LR_5g_ms^4 + 2C_4C_LL_4L_Ls^4 + 2C_4L_4L_5g_ms^3 +$$

10.531 INVALID-ORDER-531 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_4 L_L s \left(C_5 L_5 R_5 g_m s^2$$
$$2C_4C_5L_4L_5L_LR_5g_ms^4 + 2C_4C_5L_4L_5L_Ls^4 + 2C_4L_4L_5L_Lg_ms^3 + 2C_4L_4L_LR_5g_ms^2 + 2C_4L_4L_Ls^2 + C_5C_LL_4L_5L_LR_5g_ms^4 + C_5C_LL_4L_5L_Ls^4 + 2C_5L_4L_5L_Lg_ms^3 + C_5L_4L_5$$

10.532 INVALID-ORDER-532 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_Ls^6 + 2C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5s^4 + 2C_4C_LL_4L_5L_Lg_ms^5 + 2C_4C_$$

10.533 INVALID-ORDER-533 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5L_LR_5R_Lg_ms^4 + 2C_4C_5L_4L_5L_LR_Ls^4 + 2C_4L_4L_5L_LR_Lg_ms^3 + 2C_4L_4L_LR_5R_Lg_ms^2 + 2C_4L_4L_LR_Ls^2 + C_5C_LL_4L_5L_LR_5R_Lg_ms^4 + C_5C_LL_4L_5L_LR_Ls^4 + C_5L_4$$

10.534 INVALID-ORDER-534 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + 2C_4C_5L_4L_5L_LR_5g_ms^5 + 2C_4C_5L_4L_5L_Ls^5 + 2C_4C_5L_4L_5R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_Ls^4 + 2C_4C_LL_4L_5L_LR_Lg_ms^5$$

10.535 INVALID-ORDER-535 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + 2C_4C_5L_4L_5R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_Ls^4 + 2C_4C_LL_4L_5L_LR_Lg_ms^5 + 2C_4C_LL_4L_LR_5R_Lg_ms^4 + 2C_4C_LL_4L_LR_L$$

10.536 INVALID-ORDER-536 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L\right)$

$$H(s) = \frac{L_4R_Ls\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 - C_5R_5s + R_5g_m - 1\right)}{2C_4C_5L_4L_5R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_Ls^4 + 2C_4C_5L_4R_5R_Ls^3 + 2C_4L_4R_5R_Lg_ms^2 + 2C_4L_4R_Ls^2 + C_5L_4L_5R_5g_ms^3 + 2C_5L_4L_5R_Lg_ms^3 + C_5L_4L_5s^3 + 2C_5L_4R_5R_Lg_ms^2 +$$

10.537 INVALID-ORDER-537 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4s\left(C_5L_5R_5g_ms^2 - C_5L_5s^2 - C_5R_5s + R_5g_m - 1\right)}{2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5s^4 + 2C_4C_5L_4R_5s^3 + 2C_4L_4R_5g_ms^2 + 2C_4L_4s^2 + C_5C_LL_4L_5R_5g_ms^4 + C_5C_LL_4L_5s^4 + C_5C_LL_4R_5s^3 + 2C_5L_4L_5g_ms^3 + 2C_5L_4R_5g_ms^2 -$$

10.538 INVALID-ORDER-538 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{L_4 R_L s\ (}{2C_4C_5L_4L_5R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_Ls^4 + 2C_4C_5L_4R_5R_Ls^3 + 2C_4L_4R_5R_Lg_ms^2 + 2C_4L_4R_Ls^2 + C_5C_LL_4L_5R_5R_Lg_ms^4 + C_5C_LL_4L_5R_Ls^4 + C_5C_LL_4R_5R_Ls^3 + C_5L_4L_5}$$

10.539 INVALID-ORDER-539 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5C_LL_4R_5R_Ls^4 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5s^4 + 2C_4C_5L_4R_5s^3 + 2C_4C_LL_4R_5R_Lg_ms^3 + 2C_4C_LL_4R_Ls^3}$$

10.540 INVALID-ORDER-540 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_Ls^6 + 2C_4C_5C_LL_4L_LR_5s^5 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5s^4 + 2C_4C_5L_4R_5s^3 + 2C_4C_LL_4L_LR_5g_ms^4 + 2C_4C_LL_4L_Ls^4 +}$$

10.541 INVALID-ORDER-541 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_4 L_L s\ (C_5}{2C_4C_5L_4L_5L_LR_5g_ms^4 + 2C_4C_5L_4L_5L_Ls^4 + 2C_4C_5L_4L_LR_5s^3 + 2C_4L_4L_LR_5g_ms^2 + 2C_4L_4L_Ls^2 + C_5C_LL_4L_5L_LR_5g_ms^4 + C_5C_LL_4L_5L_Ls^4 + C_5C_LL_4L_LR_5s^3 + 2C_5L_4L_5}$$

10.542 INVALID-ORDER-542 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s+R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_Ls^6 + 2C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5C_LL_4L_LR_5s^5 + 2C_4C_5C_LL_4R_5R_Ls^4 + 2C_4C_5L_4L_5R_5g_ms^4}$$

10.543 INVALID-ORDER-543 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5L_LR_5R_Lg_ms^4 + 2C_4C_5L_4L_5L_LR_Ls^4 + 2C_4C_5L_4L_LR_5R_Ls^3 + 2C_4L_4L_LR_5R_Lg_ms^2 + 2C_4L_4L_LR_Ls^2 + C_5C_LL_4L_5L_LR_5R_Lg_ms^4 + C_5C_LL_4L_5L_LR_Ls^4 + C_5C_L$$

10.544 INVALID-ORDER-544 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + 2C_4C_5C_LL_4L_LR_5R_Ls^5 + 2C_4C_5L_4L_5L_LR_5g_ms^5 + 2C_4C_5L_4L_5L_Ls^5 + 2C_4C_5L_4L_5R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_L$$

10.545 INVALID-ORDER-545 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + 2C_4C_5C_LL_4L_LR_5R_Ls^5 + 2C_4C_5L_4L_5R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_Ls^4 + 2C_4C_5L_4R_5R_Ls^3 + 2C_4C_LL_4L_LR_5R_Lg_$$

10.546 INVALID-ORDER-546 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s+R_4+\frac{1}{C_4 s},\ R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{(R_5 g_m - 1)\left(C_4 L_4 s^2 + C_4 R_4 s + 1\right)}{C_4C_LL_4R_5g_ms^3 + C_4C_LL_4s^3 + C_4C_LR_4R_5g_ms^2 + C_4C_LR_4s^2 + 2C_4L_4g_ms^2 + 2C_4R_4g_ms + 2C_4R_5g_ms + 2C_4s + C_LR_5g_ms + C_Ls + 2g_m}$$

10.547 INVALID-ORDER-547 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s+R_4+\frac{1}{C_4 s},\ R_5,\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_L\left(R_5 g_m - 1\right)\left(C_4 L_4 s^2 + C_4 R_4 s + 1\right)}{C_4C_LL_4R_5R_Lg_ms^3 + C_4C_LL_4R_Ls^3 + C_4C_LR_4R_5R_Lg_ms^2 + C_4C_LR_4R_Ls^2 + C_4L_4R_5g_ms^2 + 2C_4L_4R_Lg_ms^2 + C_4L_4s^2 + C_4R_4R_5g_ms + 2C_4R_4R_Lg_ms + C_4R_4s + 2C_4R_5R$$

10.548 INVALID-ORDER-548 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5,\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(R_5 g_m - 1)\,(C_L R_L s + 1)\left(C_4 L_4 s^2 + C_4 R_4 s + 1\right)}{C_4 C_L L_4 R_5 g_m s^3 + 2C_4 C_L L_4 R_L g_m s^3 + C_4 C_L L_4 s^3 + C_4 C_L R_4 R_5 g_m s^2 + 2C_4 C_L R_4 R_L g_m s^2 + C_4 C_L R_4 s^2 + 2C_4 C_L R_5 R_L g_m s^2 + 2C_4 C_L R_L s^2 + 2C_4 L_4 g_m s^2 + 2C_4 R_4 g_m s + 2}$$

10.549 INVALID-ORDER-549 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5,\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(R_5 g_m - 1)\left(C_L L_L s^2 + 1\right)\left(C_4 L_4 s^2 + C_4 R_4 s + 1\right)}{2C_4 C_L L_4 L_L g_m s^4 + C_4 C_L L_4 R_5 g_m s^3 + C_4 C_L L_4 s^3 + 2C_4 C_L L_L R_4 g_m s^3 + 2C_4 C_L L_L R_5 g_m s^3 + 2C_4 C_L L_L s^3 + C_4 C_L R_4 R_5 g_m s^2 + C_4 C_L R_4 s^2 + 2C_4 L_4 g_m s^2 + 2C_4 R_4 g_m s + 2C}$$

10.550 INVALID-ORDER-550 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5,\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{L_L s\,(R_5 g_m - 1)\left(C_4 L_4 s^2 + C_4 R_4 s + 1\right)}{C_4 C_L L_4 L_L R_5 g_m s^4 + C_4 C_L L_4 L_L s^4 + C_4 C_L L_L R_4 R_5 g_m s^3 + C_4 C_L L_L R_4 s^3 + 2C_4 L_4 L_L g_m s^3 + C_4 L_4 R_5 g_m s^2 + C_4 L_4 s^2 + 2C_4 L_L R_4 g_m s^2 + 2C_4 L_L R_5 g_m s^2 + 2C_4 L_L s^2 + C_4 R}$$

10.551 INVALID-ORDER-551 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(R_5 g_m - 1)\left(C_4 L_4 s^2 + C_4 R_4 s + 1\right)\left(C_L L\right.}{2C_4 C_L L_4 L_L g_m s^4 + C_4 C_L L_4 R_5 g_m s^3 + 2C_4 C_L L_4 R_L g_m s^3 + C_4 C_L L_4 s^3 + 2C_4 C_L L_L R_4 g_m s^3 + 2C_4 C_L L_L R_5 g_m s^3 + 2C_4 C_L L_L s^3 + C_4 C_L R_4 R_5 g_m s^2 + 2C_4 C_L R_4 R_L g_m s^2 + C_4}$$

10.552 INVALID-ORDER-552 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R}{C_4 C_L L_4 L_L R_5 R_L g_m s^4 + C_4 C_L L_4 L_L R_L s^4 + C_4 C_L L_L R_4 R_5 R_L g_m s^3 + C_4 C_L L_L R_4 R_L s^3 + C_4 L_4 L_L R_5 g_m s^3 + 2C_4 L_4 L_L R_L g_m s^3 + C_4 L_4 L_L s^3 + C_4 L_4 R_5 R_L g_m s^2 + C_4 L_4 R_L s}$$

10.553 INVALID-ORDER-553 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{C_4 C_L L_4 L_L R_5 g_m s^4 + 2C_4 C_L L_4 L_L R_L g_m s^4 + C_4 C_L L_4 L_L s^4 + C_4 C_L L_L R_4 R_5 g_m s^3 + 2C_4 C_L L_L R_4 R_L g_m s^3 + C_4 C_L L_L R_4 s^3 + 2C_4 C_L L_L R_5 R_L g_m s^3 + 2C_4 C_L L_L R_L s^3 + 2C_4 L$$

10.554 INVALID-ORDER-554 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4 C_L L_4 L_L R_5 g_m s^4 + 2C_4 C_L L_4 L_L R_L g_m s^4 + C_4 C_L L_4 L_L s^4 + C_4 C_L L_4 R_5 R_L g_m s^3 + C_4 C_L L_4 R_L s^3 + C_4 C_L L_L R_4 R_5 g_m s^3 + 2C_4 C_L L_L R_4 R_L g_m s^3 + C_4 C_L L_L R_4 s^3 + 2C_4 C_L L$$

10.555 INVALID-ORDER-555 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = -\frac{R_L\left(C_5 s - g_m\right)\left(C_4 L_4 s^2 + C_4 R_4 s + 1\right)}{2C_4 C_5 L_4 R_L g_m s^3 + C_4 C_5 L_4 s^3 + 2C_4 C_5 R_4 R_L g_m s^2 + C_4 C_5 R_4 s^2 + 2C_4 C_5 R_L s^2 + C_4 L_4 g_m s^2 + C_4 R_4 g_m s + 2C_4 R_L g_m s + 2C_5 R_L g_m s + C_5 s + g_m}$$

10.556 INVALID-ORDER-556 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_5 s - g_m\right)\left(C_4 L_4 s^2 + C_4 R_4 s + 1\right)}{s\left(C_4 C_5 C_L L_4 s^3 + C_4 C_5 C_L R_4 s^2 + 2C_4 C_5 L_4 g_m s^2 + 2C_4 C_5 R_4 g_m s + 2C_4 C_5 s + C_4 C_L L_4 g_m s^2 + C_4 C_L R_4 g_m s + 2C_4 g_m + C_5 C_L s + 2C_5 g_m + C_L g_m\right)}$$

10.557 INVALID-ORDER-557 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{R_L\left(C_5 s - g_m\right)\left(C_4 L_4 s^2 + C_4 R_4 s + 1\right)}{C_4 C_5 C_L L_4 R_L s^4 + C_4 C_5 C_L R_4 R_L s^3 + 2C_4 C_5 L_4 R_L g_m s^3 + C_4 C_5 L_4 s^3 + 2C_4 C_5 R_4 R_L g_m s^2 + C_4 C_5 R_4 s^2 + 2C_4 C_5 R_L s^2 + C_4 C_L L_4 R_L g_m s^3 + C_4 C_L R_4 R_L g_m s^2 + C_4 L_4 g_m s^2}$$

10.558 INVALID-ORDER-558 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_5 s - g_m)\,(C_L R_L s + 1)\left(C_4 L_4 s^2 + C_4 R_4 s + 1\right)}{s\,(2C_4C_5C_L L_4 R_L g_m s^3 + C_4C_5C_L L_4 s^3 + 2C_4C_5C_L R_4 R_L g_m s^2 + C_4C_5C_L R_4 s^2 + 2C_4C_5C_L R_L s^2 + 2C_4C_5 L_4 g_m s^2 + 2C_4C_5 R_4 g_m s + 2C_4C_5 s + C_4C_L L_4 g_m s^2 + C_4C_L R_4 g_m$$

10.559 INVALID-ORDER-559 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_5 s - g_m)\left(C_L L_L s^2 + 1\right)\left(C_4 L_4 s^2 + C_4 R_4 s + 1\right)}{s\,(2C_4C_5C_L L_4 L_L g_m s^4 + C_4C_5C_L L_4 s^3 + 2C_4C_5C_L L_L R_4 g_m s^3 + 2C_4C_5C_L L_L s^3 + C_4C_5C_L R_4 s^2 + 2C_4C_5 L_4 g_m s^2 + 2C_4C_5 R_4 g_m s + 2C_4C_5 s + C_4C_L L_4 g_m s^2 + 2C_4C_L L_L g$$

10.560 INVALID-ORDER-560 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = -\frac{L_L s\,(C_5 s - g_m)\left(C_4 L_4 s^2 + C_4 R_4 s + 1\right)}{C_4C_5C_L L_4 L_L s^5 + C_4C_5C_L L_L R_4 s^4 + 2C_4C_5 L_4 L_L g_m s^4 + C_4C_5 L_4 s^3 + 2C_4C_5 L_L R_4 g_m s^3 + 2C_4C_5 L_L s^3 + C_4C_5 R_4 s^2 + C_4C_L L_4 L_L g_m s^4 + C_4C_L L_L R_4 g_m s^3 + C_4 L_4 g_m s^2 -$$

10.561 INVALID-ORDER-561 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_5 s - g_m)\left(C_4 L_4 s^2 + C_4 R\right.}{s\,(2C_4C_5C_L L_4 L_L g_m s^4 + 2C_4C_5C_L L_4 R_L g_m s^3 + C_4C_5C_L L_4 s^3 + 2C_4C_5C_L L_L R_4 g_m s^3 + 2C_4C_5C_L L_L s^3 + 2C_4C_5C_L R_4 R_L g_m s^2 + C_4C_5C_L R_4 s^2 + 2C_4C_5C_L R_L s^2 + 2C_4C_5$$

10.562 INVALID-ORDER-562 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_L L_4 L_L R_L s^5 + C_4C_5C_L L_L R_4 R_L s^4 + 2C_4C_5 L_4 L_L R_L g_m s^4 + C_4C_5 L_4 L_L s^4 + C_4C_5 L_4 R_L s^3 + 2C_4C_5 L_L R_4 R_L g_m s^3 + C_4C_5 L_L R_4 s^3 + 2C_4C_5 L_L R_L s^3 + C_4C_5 R_4 R_L s$$

10.563 INVALID-ORDER-563 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{2C_4C_5C_LL_4L_LR_Lg_ms^5 + C_4C_5C_LL_4L_Ls^5 + 2C_4C_5C_LL_LR_4R_Lg_ms^4 + C_4C_5C_LL_LR_4s^4 + 2C_4C_5C_LL_LR_Ls^4 + 2C_4C_5L_4L_Lg_ms^4 + 2C_4C_5L_4R_Lg_ms^3 + C_4C_5L_4s^3 + 2C_4C}{}$$

10.564 INVALID-ORDER-564 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = -\frac{2C_4C_5C_LL_4L_LR_Lg_ms^5 + C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_4R_Ls^4 + 2C_4C_5C_LL_LR_4R_Lg_ms^4 + C_4C_5C_LL_LR_4s^4 + 2C_4C_5C_LL_LR_Ls^4 + C_4C_5C_LR_4R_Ls^3 + 2C_4C_5L_4R_Lg_ms^3 +}{}$$

10.565 INVALID-ORDER-565 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ R_L\right)$

$$H(s) = -\frac{R_L\left(C_4L_4s^2 + C_4R_4s + 1\right)\left(C_5R_5s - R_5g_m + 1\right)}{2C_4C_5L_4R_5R_Lg_ms^3 + C_4C_5L_4R_5s^3 + 2C_4C_5R_4R_5R_Lg_ms^2 + C_4C_5R_4R_5s^2 + 2C_4C_5R_5R_Ls^2 + C_4L_4R_5g_ms^2 + 2C_4L_4R_Lg_ms^2 + C_4L_4s^2 + C_4R_4R_5g_ms + 2C_4R_4R_Lg_ms -}$$

10.566 INVALID-ORDER-566 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4L_4s^2 + C_4R_4s + 1\right)\left(C_5R_5s - R_5g_m + 1\right)}{C_4C_5C_LL_4R_5s^4 + C_4C_5C_LR_4R_5s^3 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_5s^2 + C_4C_LL_4R_5g_ms^3 + C_4C_LL_4s^3 + C_4C_LR_4R_5g_ms^2 + C_4C_LR_4s^2 + 2C_4L_4g_ms^2}$$

10.567 INVALID-ORDER-567 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{C_4C_5C_LL_4R_5R_Ls^4 + C_4C_5C_LR_4R_5R_Ls^3 + 2C_4C_5L_4R_5R_Lg_ms^3 + C_4C_5L_4R_5s^3 + 2C_4C_5R_4R_5R_Lg_ms^2 + C_4C_5R_4R_5s^2 + 2C_4C_5R_5R_Ls^2 + C_4C_LL_4R_5R_Lg_ms^3 + C_4C_LL}{}$$

10.568 INVALID-ORDER-568 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_5s^4 + 2C_4C_5C_LR_4R_5R_Lg_ms^3 + C_4C_5C_LR_4R_5s^3 + 2C_4C_5C_LR_5R_Ls^3 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_5s^2 + C_4C}$$

10.569 INVALID-ORDER-569 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_5g_ms^5 + C_4C_5C_LL_4R_5s^4 + 2C_4C_5C_LL_LR_4R_5g_ms^4 + 2C_4C_5C_LL_LR_5s^4 + C_4C_5C_LR_4R_5s^3 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_5s^2 + 2C_4C}$$

10.570 INVALID-ORDER-570 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_LR_5s^5 + C_4C_5C_LL_LR_4R_5s^4 + 2C_4C_5L_4L_LR_5g_ms^4 + C_4C_5L_4R_5s^3 + 2C_4C_5L_LR_4R_5g_ms^3 + 2C_4C_5L_LR_5s^3 + C_4C_5R_4R_5s^2 + C_4C_LL_4L_LR_5g_ms^4 + C_4C_LL_4}$$

10.571 INVALID-ORDER-571 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_5s^4 + 2C_4C_5C_LL_LR_4R_5g_ms^4 + 2C_4C_5C_LL_LR_5s^4 + 2C_4C_5C_LR_4R_5R_Lg_ms^3 + C_4C_5C_LR_4R_5s^3 + 2C_4C_5}$$

10.572 INVALID-ORDER-572 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_LR_5R_Ls^5 + C_4C_5C_LL_LR_4R_5R_Ls^4 + 2C_4C_5L_4L_LR_5R_Lg_ms^4 + C_4C_5L_4L_LR_5s^4 + C_4C_5L_4R_5R_Ls^3 + 2C_4C_5L_LR_4R_5R_Lg_ms^3 + C_4C_5L_LR_4R_5s^3 + 2C_4C_5L_L}$$

10.573 INVALID-ORDER-573 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_5R_Lg_ms^5 + C_4C_5C_LL_4L_LR_5s^5 + 2C_4C_5C_LL_LR_4R_5R_Lg_ms^4 + C_4C_5C_LL_LR_4R_5s^4 + 2C_4C_5C_LL_LR_5R_Ls^4 + 2C_4C_5L_4L_LR_5g_ms^4 + 2C_4C_5L_4R_5R_Lg_ms^3 +}$$

10.574 INVALID-ORDER-574 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_5R_Lg_ms^5 + C_4C_5C_LL_4L_LR_5s^5 + C_4C_5C_LL_4R_5R_Ls^4 + 2C_4C_5C_LL_LR_4R_5R_Lg_ms^4 + C_4C_5C_LL_LR_4R_5s^4 + 2C_4C_5C_LL_LR_5R_Ls^4 + C_4C_5C_LR_4R_5R_Ls^3 +}$$

10.575 INVALID-ORDER-575 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_4L_4s^2 + C_4R_4s + 1\right)\left(C_5R_5g_ms - C_5s + g_m\right)}{C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4R_Lg_ms^3 + C_4C_5L_4s^3 + C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_4R_Lg_ms^2 + C_4C_5R_4s^2 + 2C_4C_5R_5R_Lg_ms^2 + 2C_4C_5R_Ls^2 + C_4L_4g_ms^2 + C_4R_4g_ms + 2C_4R_}$$

10.576 INVALID-ORDER-576 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4L_4s^2 + C_4R_4s + 1\right)\left(C_5R_5g_ms - C_5s + g_m\right)}{s\left(C_4C_5C_LL_4R_5g_ms^3 + C_4C_5C_LL_4s^3 + C_4C_5C_LR_4R_5g_ms^2 + C_4C_5C_LR_4s^2 + 2C_4C_5L_4g_ms^2 + 2C_4C_5R_4g_ms + 2C_4C_5R_5g_ms + 2C_4C_5s + C_4C_LL_4g_ms^2 + C_4C_LR_4g_ms + 2}$$

10.577 INVALID-ORDER-577 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_}{C_4C_5C_LL_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_Ls^4 + C_4C_5C_LR_4R_5R_Lg_ms^3 + C_4C_5C_LR_4R_Ls^3 + C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4R_Lg_ms^3 + C_4C_5L_4s^3 + C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_4R_}$$

10.578 INVALID-ORDER-578 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(C_L R_L s + 1)\left(C_4 L_4 s^2 + C_4 R_4}{s\left(C_4 C_5 C_L L_4 R_5 g_m s^3 + 2 C_4 C_5 C_L L_4 R_L g_m s^3 + C_4 C_5 C_L L_4 s^3 + C_4 C_5 C_L R_4 R_5 g_m s^2 + 2 C_4 C_5 C_L R_4 R_L g_m s^2 + C_4 C_5 C_L R_4 s^2 + 2 C_4 C_5 C_L R_5 R_L g_m s^2 + 2 C_4 C_5 C_L R_L s^2 + 2 C_4 C\right.}$$

10.579 INVALID-ORDER-579 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_L L_L s^2 + 1\right)\left(C_4 L_4 s^2 + C_4 R\right.}{s\left(2 C_4 C_5 C_L L_4 L_L g_m s^4 + C_4 C_5 C_L L_4 R_5 g_m s^3 + C_4 C_5 C_L L_4 s^3 + 2 C_4 C_5 C_L L_L R_4 g_m s^3 + 2 C_4 C_5 C_L L_L R_5 g_m s^3 + 2 C_4 C_5 C_L L_L s^3 + C_4 C_5 C_L R_4 R_5 g_m s^2 + C_4 C_5 C_L R_4 s^2 + 2 C_4 C_5\right.}$$

10.580 INVALID-ORDER-580 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{L_L}{C_4 C_5 C_L L_4 L_L R_5 g_m s^5 + C_4 C_5 C_L L_4 L_L s^5 + C_4 C_5 C_L L_L R_4 R_5 g_m s^4 + C_4 C_5 C_L L_L R_4 s^4 + 2 C_4 C_5 L_4 L_L g_m s^4 + C_4 C_5 L_4 R_5 g_m s^3 + C_4 C_5 L_4 s^3 + 2 C_4 C_5 L_L R_4 g_m s^3 + 2 C_4 C_5 L_L R_{\cdot}}$$

10.581 INVALID-ORDER-581 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{s\left(2 C_4 C_5 C_L L_4 L_L g_m s^4 + C_4 C_5 C_L L_4 R_5 g_m s^3 + 2 C_4 C_5 C_L L_4 R_L g_m s^3 + C_4 C_5 C_L L_4 s^3 + 2 C_4 C_5 C_L L_L R_4 g_m s^3 + 2 C_4 C_5 C_L L_L R_5 g_m s^3 + 2 C_4 C_5 C_L L_L s^3 + C_4 C_5 C_L R_4 R_5 g_m s^2 +\right.}$$

10.582 INVALID-ORDER-582 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4 C_5 C_L L_4 L_L R_5 R_L g_m s^5 + C_4 C_5 C_L L_4 L_L R_L s^5 + C_4 C_5 C_L L_L R_4 R_5 R_L g_m s^4 + C_4 C_5 C_L L_L R_4 R_L s^4 + C_4 C_5 L_4 L_L R_5 g_m s^4 + 2 C_4 C_5 L_4 L_L R_L g_m s^4 + C_4 C_5 L_4 L_L s^4 + C_4 C_5 L_4 R_{\cdot}}$$

10.583 INVALID-ORDER-583 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = \frac{}{C_4 C_5 C_L L_4 L_L R_5 g_m s^5 + 2C_4 C_5 C_L L_4 L_L R_L g_m s^5 + C_4 C_5 C_L L_4 L_L s^5 + C_4 C_5 C_L L_L R_4 R_5 g_m s^4 + 2C_4 C_5 C_L L_L R_4 R_L g_m s^4 + C_4 C_5 C_L L_L R_4 s^4 + 2C_4 C_5 C_L L_L R_5 R_L g_m s^4 + 2C_4 C$$

10.584 INVALID-ORDER-584 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4 C_5 C_L L_4 L_L R_5 g_m s^5 + 2C_4 C_5 C_L L_4 L_L R_L g_m s^5 + C_4 C_5 C_L L_4 L_L s^5 + C_4 C_5 C_L L_4 R_5 R_L g_m s^4 + C_4 C_5 C_L L_4 R_L s^4 + C_4 C_5 C_L L_L R_4 R_5 g_m s^4 + 2C_4 C_5 C_L L_L R_4 R_L g_m s^4 + C_4 C_5$$

10.585 INVALID-ORDER-585 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_4 L_4 s^2 + C_4 R_4 s + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{C_4 C_5 L_4 L_5 g_m s^4 + 2C_4 C_5 L_4 R_L g_m s^3 + C_4 C_5 L_4 s^3 + C_4 C_5 L_5 R_4 g_m s^3 + 2C_4 C_5 L_5 R_L g_m s^3 + 2C_4 C_5 R_4 R_L g_m s^2 + C_4 C_5 R_4 s^2 + 2C_4 C_5 R_L s^2 + C_4 L_4 g_m s^2 + C_4 R_4 g_m s + 2C_4 R_L$$

10.586 INVALID-ORDER-586 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4 L_4 s^2 + C_4 R_4 s + 1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{s\left(C_4 C_5 C_L L_4 L_5 g_m s^4 + C_4 C_5 C_L L_4 s^3 + C_4 C_5 C_L L_5 R_4 g_m s^3 + C_4 C_5 C_L R_4 s^2 + 2C_4 C_5 L_4 g_m s^2 + 2C_4 C_5 L_5 g_m s^2 + 2C_4 C_5 R_4 g_m s + 2C_4 C_5 s + C_4 C_L L_4 g_m s^2 + C_4 C_L R_4 g_m s + 2\right.}$$

10.587 INVALID-ORDER-587 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = \frac{R_L}{C_4 C_5 C_L L_4 L_5 R_L g_m s^5 + C_4 C_5 C_L L_4 R_L s^4 + C_4 C_5 C_L L_5 R_4 R_L g_m s^4 + C_4 C_5 C_L R_4 R_L s^3 + C_4 C_5 L_4 L_5 g_m s^4 + 2C_4 C_5 L_4 R_L g_m s^3 + C_4 C_5 L_4 s^3 + C_4 C_5 L_5 R_4 g_m s^3 + 2C_4 C_5 L_5 R_L$$

10.588 INVALID-ORDER-588 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(C_L R_L s + 1)\left(C_4 L_4 s^2 + C_4 R_4}{s\left(C_4 C_5 C_L L_4 L_5 g_m s^4 + 2 C_4 C_5 C_L L_4 R_L g_m s^3 + C_4 C_5 C_L L_4 s^3 + C_4 C_5 C_L L_5 R_4 g_m s^3 + 2 C_4 C_5 C_L L_5 R_L g_m s^3 + 2 C_4 C_5 C_L R_4 R_L g_m s^2 + C_4 C_5 C_L R_4 s^2 + 2 C_4 C_5 C_L R_L s^2 + 2 C_4 C\right.}$$

10.589 INVALID-ORDER-589 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_L L_L s^2 + 1\right)\left(C_4 L_4 s^2 + C_4 R\right.}{s\left(C_4 C_5 C_L L_4 L_5 g_m s^4 + 2 C_4 C_5 C_L L_4 L_L g_m s^4 + C_4 C_5 C_L L_4 s^3 + 2 C_4 C_5 C_L L_5 L_L g_m s^4 + C_4 C_5 C_L L_5 R_4 g_m s^3 + 2 C_4 C_5 C_L L_L R_4 g_m s^3 + 2 C_4 C_5 C_L L_L s^3 + C_4 C_5 C_L R_4 s^2 + 2 C_4 C_5\right.}$$

10.590 INVALID-ORDER-590 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{L_L}{C_4 C_5 C_L L_4 L_5 L_L g_m s^6 + C_4 C_5 C_L L_4 L_L s^5 + C_4 C_5 C_L L_5 L_L R_4 g_m s^5 + C_4 C_5 C_L L_L R_4 s^4 + C_4 C_5 L_4 L_5 g_m s^4 + 2 C_4 C_5 L_4 L_L g_m s^4 + C_4 C_5 L_4 s^3 + 2 C_4 C_5 L_5 L_L g_m s^4 + C_4 C_5 L_5 R_4 g_m}$$

10.591 INVALID-ORDER-591 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{s\left(C_4 C_5 C_L L_4 L_5 g_m s^4 + 2 C_4 C_5 C_L L_4 L_L g_m s^4 + 2 C_4 C_5 C_L L_4 R_L g_m s^3 + C_4 C_5 C_L L_4 s^3 + 2 C_4 C_5 C_L L_5 L_L g_m s^4 + C_4 C_5 C_L L_5 R_4 g_m s^3 + 2 C_4 C_5 C_L L_5 R_L g_m s^3 + 2 C_4 C_5 C_L L_L R_4 g_\right.}$$

10.592 INVALID-ORDER-592 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4 C_5 C_L L_4 L_5 L_L R_L g_m s^6 + C_4 C_5 C_L L_4 L_L R_L s^5 + C_4 C_5 C_L L_5 L_L R_4 R_L g_m s^5 + C_4 C_5 C_L L_L R_4 R_L s^4 + C_4 C_5 L_4 L_5 L_L g_m s^5 + C_4 C_5 L_4 L_5 R_L g_m s^4 + 2 C_4 C_5 L_4 L_L R_L g_m s^4 + C_4 C_5$$

10.593 INVALID-ORDER-593 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_Lg_ms^6 + 2C_4C_5C_LL_4L_LR_Lg_ms^5 + C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_LR_Lg_ms^5 + 2C_4C_5C_LL_LR_4R_Lg_ms^4 + C_4C_5C_LL_LR_4s^4 + 2C_4C}$$

10.594 INVALID-ORDER-594 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_Lg_ms^5 + C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_4R_Ls^4 + C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_LR_Lg_ms^5 + C_4C_5C}$$

10.595 INVALID-ORDER-595 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L\right)$

$$H(s) = -\frac{R_L\left(C_4L_4s^2 + C_4R_4s + 1\right)\left(C_5L_5s^2 - L_5g_ms + 1\right)}{2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4L_5s^4 + 2C_4C_5L_5R_4R_Lg_ms^3 + C_4C_5L_5R_4s^3 + 2C_4C_5L_5R_Ls^3 + C_4L_4L_5g_ms^3 + 2C_4L_4R_Lg_ms^2 + C_4L_4s^2 + C_4L_5R_4g_ms^2 + 2C_4L_5R_Lg_ms^2}$$

10.596 INVALID-ORDER-596 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_4L_4s^2 + C_4R_4s + 1\right)\left(C_5L_5s^2 - L_5g_ms + 1\right)}{C_4C_5C_LL_4L_5s^5 + C_4C_5C_LL_5R_4s^4 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5L_5s^3 + C_4C_LL_4L_5g_ms^4 + C_4C_LL_4s^3 + C_4C_LL_5R_4g_ms^3 + C_4C_LR_4s^2 + 2C_4L_4g_ms^2 +}$$

10.597 INVALID-ORDER-597 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_Ls^5 + C_4C_5C_LL_5R_4R_Ls^4 + 2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4L_5s^4 + 2C_4C_5L_5R_4R_Lg_ms^3 + C_4C_5L_5R_4s^3 + 2C_4C_5L_5R_Ls^3 + C_4C_LL_4L_5R_Lg_ms^4 + C_4C_LL_4}$$

10.598 INVALID-ORDER-598 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_5R_4R_Lg_ms^4 + C_4C_5C_LL_5R_4s^4 + 2C_4C_5C_LL_5R_Ls^4 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5L_5s^3 + C_4C_L}$$

10.599 INVALID-ORDER-599 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_Ls^5 + C_4C_5C_LL_5R_4s^4 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5L_5s^3 + C_4C_L}$$

10.600 INVALID-ORDER-600 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5L_4L_5L_Lg_ms^5 + C_4C_5L_4L_5s^4 + 2C_4C_5L_5L_LR_4g_ms^4 + 2C_4C_5L_5L_Ls^4 + C_4C_5L_5R_4s^3 + C_4C_LL_4L_5L_Lg_ms^5 + C_4C_LL_4L}$$

10.601 INVALID-ORDER-601 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_Ls^5 + 2C_4C_5C_LL_5R_4R_Lg_ms^4 + C_4C_5C_LL_5R_4s^4 + 2C_4C_5C}$$

10.602 INVALID-ORDER-602 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_Ls^6 + C_4C_5C_LL_5L_LR_4R_Ls^5 + 2C_4C_5L_4L_5L_LR_Lg_ms^5 + C_4C_5L_4L_5L_Ls^5 + C_4C_5L_4L_5R_Ls^4 + 2C_4C_5L_5L_LR_4R_Lg_ms^4 + C_4C_5L_5L_LR_4s^4 + 2C_4C_5L_5L_L}$$

10.603 INVALID-ORDER-603 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + C_4C_5C_LL_4L_5L_Ls^6 + 2C_4C_5C_LL_5L_LR_4R_Lg_ms^5 + C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5C_LL_5L_LR_Ls^5 + 2C_4C_5L_4L_5L_Lg_ms^5 + 2C_4C_5L_4L_5R_Lg_ms^4 +}$$

10.604 INVALID-ORDER-604 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5C_LL_5L_LR_4R_Lg_ms^5 + C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5C_LL_5L_LR_Ls^5 + C_4C_5C_LL_5R_4R_Ls^4 + 2}$$

10.605 INVALID-ORDER-605 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_4L_4s^2 + C_4R_4s + 1\right)\left(C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g\right.}{C_4C_5L_4L_5g_ms^4 + C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4R_Lg_ms^3 + C_4C_5L_4s^3 + C_4C_5L_5R_4g_ms^3 + 2C_4C_5L_5R_Lg_ms^3 + C_4C_5R_4R_5g_ms^2 + 2C_4C_5R_4R_Lg_ms^2 + C_4C_5R_4s^2 + 2C_4C_5R_5}$$

10.606 INVALID-ORDER-606 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4L_4s^2 + C_4R_4s + 1\right)\left(C_5L_5g_ms^2 + C_5R_5g_ms - C_5\right.}{s\left(C_4C_5C_LL_4L_5g_ms^4 + C_4C_5C_LL_4R_5g_ms^3 + C_4C_5C_LL_4s^3 + C_4C_5C_LL_5R_4g_ms^3 + C_4C_5C_LR_4R_5g_ms^2 + C_4C_5C_LR_4s^2 + 2C_4C_5L_4g_ms^2 + 2C_4C_5L_5g_ms^2 + 2C_4C_5R_4g_ms +\right.}$$

10.607 INVALID-ORDER-607 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_Ls^4 + C_4C_5C_LL_5R_4R_Lg_ms^4 + C_4C_5C_LR_4R_5R_Lg_ms^3 + C_4C_5C_LR_4R_Ls^3 + C_4C_5L_4L_5g_ms^4 + C_4C_5L_4R_5g_ms}$$

10.608 INVALID-ORDER-608 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{s\left(C_4C_5C_LL_4L_5g_ms^4 + C_4C_5C_LL_4R_5g_ms^3 + 2C_4C_5C_LL_4R_Lg_ms^3 + C_4C_5C_LL_4s^3 + C_4C_5C_LL_5R_4g_ms^3 + 2C_4C_5C_LL_5R_Lg_ms^3 + C_4C_5C_LR_4R_5g_ms^2 + 2C_4C_5C_LR_4R_Lg_ms\right.}$$

10.609 INVALID-ORDER-609 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{s\left(C_4C_5C_LL_4L_5g_ms^4 + 2C_4C_5C_LL_4L_Lg_ms^4 + C_4C_5C_LL_4R_5g_ms^3 + C_4C_5C_LL_4s^3 + 2C_4C_5C_LL_5L_Lg_ms^4 + C_4C_5C_LL_5R_4g_ms^3 + 2C_4C_5C_LL_LR_4g_ms^3 + 2C_4C_5C_LL_LR_5g_m\right.}$$

10.610 INVALID-ORDER-610 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_LR_5g_ms^5 + C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_5L_LR_4g_ms^5 + C_4C_5C_LL_LR_4R_5g_ms^4 + C_4C_5C_LL_LR_4s^4 + C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_4L_Lg_ms}$$

10.611 INVALID-ORDER-611 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{s\left(C_4C_5C_LL_4L_5g_ms^4 + 2C_4C_5C_LL_4L_Lg_ms^4 + C_4C_5C_LL_4R_5g_ms^3 + 2C_4C_5C_LL_4R_Lg_ms^3 + C_4C_5C_LL_4s^3 + 2C_4C_5C_LL_5L_Lg_ms^4 + C_4C_5C_LL_5R_4g_ms^3 + 2C_4C_5C_LL_5R_Lg_m\right.}$$

10.612 INVALID-ORDER-612 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + C_4C_5C_LL_4L_LR_5R_Lg_ms^5 + C_4C_5C_LL_4L_LR_Ls^5 + C_4C_5C_LL_5L_LR_4R_Lg_ms^5 + C_4C_5C_LL_LR_4R_5R_Lg_ms^4 + C_4C_5C_LL_LR_4R_Ls^4 + C_4C_5L_4L_5L_Lg_m}$$

10.613 INVALID-ORDER-613 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_LR_Lg_ms^5 + C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_LR_Lg_ms^5 + C_4C_5C_LL_LR_4R_5g_ms^4 + 2}$$

10.614 INVALID-ORDER-614 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_LR_Lg_ms^5 + C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_Ls^4 + C_4C_5C_L}$$

10.615 INVALID-ORDER-615 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L\right)$

$$H(s) = -\frac{}{2C_4C_5L_4L_5R_5R_Lg_ms^4 + C_4C_5L_4L_5R_5s^4 + 2C_4C_5L_5R_4R_5R_Lg_ms^3 + C_4C_5L_5R_4R_5s^3 + 2C_4C_5L_5R_5R_Ls^3 + C_4L_4L_5R_5g_ms^3 + 2C_4L_4L_5R_Lg_ms^3 + C_4L_4L_5s^3 + 2C_4L_4R_5}$$

10.616 INVALID-ORDER-616 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_5s^5 + C_4C_5C_LL_5R_4R_5s^4 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_5s^3 + C_4C_LL_4L_5R_5g_ms^4 + C_4C_LL_4L_5s^4 + C_4C_LL_4R_5s^3 + C_4C_LL_5R}$$

10.617 INVALID-ORDER-617 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_5R_Ls^5 + C_4C_5C_LL_5R_4R_5R_Ls^4 + 2C_4C_5L_4L_5R_5R_Lg_ms^4 + C_4C_5L_4L_5R_5s^4 + 2C_4C_5L_5R_4R_5R_Lg_ms^3 + C_4C_5L_5R_4R_5s^3 + 2C_4C_5L_5R_5R_Ls^3 + C_4C_LL_4L_5-}$$

10.618 INVALID-ORDER-618 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_5s^5 + 2C_4C_5C_LL_5R_4R_5R_Lg_ms^4 + C_4C_5C_LL_5R_4R_5s^4 + 2C_4C_5C_LL_5R_5R_Ls^4 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_5R_4R_5g_ms^3 + 2}$$

10.619 INVALID-ORDER-619 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + C_4C_5C_LL_4L_5R_5s^5 + 2C_4C_5C_LL_5L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_5L_LR_5s^5 + C_4C_5C_LL_5R_4R_5s^4 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_5R_4R_5g_ms^3 + 2}$$

10.620 INVALID-ORDER-620 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_5s^6 + C_4C_5C_LL_5L_LR_4R_5s^5 + 2C_4C_5L_4L_5L_LR_5g_ms^5 + C_4C_5L_4L_5R_5s^4 + 2C_4C_5L_5L_LR_4R_5g_ms^4 + 2C_4C_5L_5L_LR_5s^4 + C_4C_5L_5R_4R_5s^3 + C_4C_LL_4L_5L}$$

10.621 INVALID-ORDER-621 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_5s^5 + 2C_4C_5C_LL_5L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_5L_LR_5s^5 + 2C_4C_5C_LL_5R_4R_5R_Lg_ms^4 + C_4C_5C_LL_}$$

10.622 INVALID-ORDER-622 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_5R_Ls^6 + C_4C_5C_LL_5L_LR_4R_5R_Ls^5 + 2C_4C_5L_4L_5L_LR_5R_Lg_ms^5 + C_4C_5L_4L_5L_LR_5s^5 + C_4C_5L_4L_5R_5R_Ls^4 + 2C_4C_5L_5L_LR_4R_5R_Lg_ms^4 + C_4C_5L_5L_LR_4}$$

10.623 INVALID-ORDER-623 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_5s^6 + 2C_4C_5C_LL_5L_LR_4R_5R_Lg_ms^5 + C_4C_5C_LL_5L_LR_4R_5s^5 + 2C_4C_5C_LL_5L_LR_5R_Ls^5 + 2C_4C_5L_4L_5L_LR_5g_ms^5 + 2C_4C$$

10.624 INVALID-ORDER-624 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_5s^6 + C_4C_5C_LL_4L_5R_5R_Ls^5 + 2C_4C_5C_LL_5L_LR_4R_5R_Lg_ms^5 + C_4C_5C_LL_5L_LR_4R_5s^5 + 2C_4C_5C_LL_5L_LR_5R_Ls^5 + C_4C_5C$$

10.625 INVALID-ORDER-625 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ R_L\right)$

$$H(s) = \frac{R_L\left(C_4L_4s\right.}{C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4L_5s^4 + C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_4R_Lg_ms^3 + C_4C_5L_5R_4s^3 + 2C_4C_5L_5R_5R_Lg_ms^3 + 2C_4C_5L_5R_Ls^3 + C_4L_4L_5g_m}$$

10.626 INVALID-ORDER-626 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(}{C_4C_5C_LL_4L_5R_5g_ms^5 + C_4C_5C_LL_4L_5s^5 + C_4C_5C_LL_5R_4R_5g_ms^4 + C_4C_5C_LL_5R_4s^4 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5L_5R_5g_ms^3 + 2C_4C_5L_5s^3 + C_4C_LL_4L_5}$$

10.627 INVALID-ORDER-627 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2 + 1} + R_5,\ \frac{R_L}{C_L R_L s + 1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_Ls^5 + C_4C_5C_LL_5R_4R_5R_Lg_ms^4 + C_4C_5C_LL_5R_4R_Ls^4 + C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4L_5s^4 + C_4C_5L_5R_4R$$

10.628 INVALID-ORDER-628 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4L_5s^5 + C_4C_5C_LL_5R_4R_5g_ms^4 + 2C_4C_5C_LL_5R_4R_Lg_ms^4 + C_4C_5C_LL_5R_4s^4 + 2C_4C_5C_LL_5R_5R_Lg_ms^4 + 2C_4C_5$$

10.629 INVALID-ORDER-629 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_5g_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_LR_5g_ms^5 + 2C_4C_5C_LL_5L_Ls^5 + C_4C_5C_LL_5R_4R_5g_ms^4 + C_4C_5C$$

10.630 INVALID-ORDER-630 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_5g_ms^6 + C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_5L_LR_4R_5g_ms^5 + C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5L_4L_5L_Lg_ms^5 + C_4C_5L_4L_5R_5g_ms^4 + C_4C_5L_4L_5s^4 + 2C_4C_5L_5L_LR$$

10.631 INVALID-ORDER-631 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_LR_5g_ms^5 + 2C_4C_5C_LL_5L_Ls^5 + C_4C_5$$

10.632 INVALID-ORDER-632 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_Ls^6 + C_4C_5C_LL_5L_LR_4R_5R_Lg_ms^5 + C_4C_5C_LL_5L_LR_4R_Ls^5 + C_4C_5L_4L_5L_LR_5g_ms^5 + 2C_4C_5L_4L_5L_LR_Lg_ms^5 + C_4C_5L_4L_$$

10.633 INVALID-ORDER-633 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_5L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_5L_LR_4R_Lg_ms^5 + C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5C_LL_5L_L}$$

10.634 INVALID-ORDER-634 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_Ls^5 + C_4C_5C_LL_5L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_5L_LR}$$

10.635 INVALID-ORDER-635 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ R_L\right)$

$$H(s) = -\frac{}{C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4L_5s^4 + 2C_4C_5L_4R_5R_Lg_ms^3 + C_4C_5L_4R_5s^3 + C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_4R_Lg_ms^3 + C_4C_5L_5R_4s^3 + 2C_4C_5L_5R}$$

10.636 INVALID-ORDER-636 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_5g_ms^5 + C_4C_5C_LL_4L_5s^5 + C_4C_5C_LL_4R_5s^4 + C_4C_5C_LL_5R_4R_5g_ms^4 + C_4C_5C_LL_5R_4s^4 + C_4C_5C_LR_4R_5s^3 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C}$$

10.637 INVALID-ORDER-637 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_Ls^5 + C_4C_5C_LL_4R_5R_Ls^4 + C_4C_5C_LL_5R_4R_5R_Lg_ms^4 + C_4C_5C_LL_5R_4R_Ls^4 + C_4C_5C_LR_4R_5R_Ls^3 + C_4C_5L_4L_5R_5g_ms^4 + 2C_4C}$$

10.638 INVALID-ORDER-638 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_5s^4 + C_4C_5C_LL_5R_4R_5g_ms^4 + 2C_4C_5C_LL_5R_4R_Lg_ms^4 + C_4C_5$$

10.639 INVALID-ORDER-639 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_5g_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_4L_LR_5g_ms^5 + C_4C_5C_LL_4R_5s^4 + 2C_4C_5C_LL_5L_LR_4g_ms^5 + 2C_4C_5C_LL_5L_LR_5g_ms^5 + 2C_4C$$

10.640 INVALID-ORDER-640 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_5g_ms^6 + C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_4L_LR_5s^5 + C_4C_5C_LL_5L_LR_4R_5g_ms^5 + C_4C_5C_LL_5L_LR_4s^5 + C_4C_5C_LL_LR_4R_5s^4 + 2C_4C_5L_4L_5L_Lg_ms^5 + C_4C$$

10.641 INVALID-ORDER-641 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4L_5s^5 + 2C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_5s^4 + 2C_4$$

10.642 INVALID-ORDER-642 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_Ls^6 + C_4C_5C_LL_4L_LR_5R_Ls^5 + C_4C_5C_LL_5L_LR_4R_5R_Lg_ms^5 + C_4C_5C_LL_5L_LR_4R_Ls^5 + C_4C_5C_LL_LR_4R_5R_Ls^4 + C_4C_5L_4$$

10.643 INVALID-ORDER-643 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2 + 1} + R_L\right)$

$$H(s) = -\frac{}{C_4 C_5 C_L L_4 L_5 L_L R_5 g_m s^6 + 2C_4 C_5 C_L L_4 L_5 L_L R_L g_m s^6 + C_4 C_5 C_L L_4 L_5 L_L s^6 + 2C_4 C_5 C_L L_4 L_L R_5 R_L g_m s^5 + C_4 C_5 C_L L_4 L_L R_5 s^5 + C_4 C_5 C_L L_5 L_L R_4 R_5 g_m s^5 + 2C_4 C_5 C_L L_5$$

10.644 INVALID-ORDER-644 $Z(s) = \left(\infty,\ \infty,\ \infty,\ L_4 s + R_4 + \frac{1}{C_4 s},\ \frac{R_5\left(L_5 s + \frac{1}{C_5 s}\right)}{L_5 s + R_5 + \frac{1}{C_5 s}},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{C_4 C_5 C_L L_4 L_5 L_L R_5 g_m s^6 + 2C_4 C_5 C_L L_4 L_5 L_L R_L g_m s^6 + C_4 C_5 C_L L_4 L_5 L_L s^6 + C_4 C_5 C_L L_4 L_5 R_5 R_L g_m s^5 + C_4 C_5 C_L L_4 L_5 R_L s^5 + 2C_4 C_5 C_L L_4 L_L R_5 R_L g_m s^5 + C_4 C_5 C_L L_4 L_$$

10.645 INVALID-ORDER-645 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s + \frac{1}{R_4} + \frac{1}{L_4 s}},\ R_5,\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 R_4 s\left(R_5 g_m - 1\right)\left(C_L R_L s + 1\right)}{2C_4 C_L L_4 R_4 R_5 R_L g_m s^3 + 2C_4 C_L L_4 R_4 R_L s^3 + 2C_4 L_4 R_4 R_5 g_m s^2 + 2C_4 L_4 R_4 s^2 + C_L L_4 R_4 R_5 g_m s^2 + 2C_L L_4 R_4 R_L g_m s^2 + C_L L_4 R_4 s^2 + 2C_L L_4 R_5 R_L g_m s^2 + 2C_L L_4 R_L s^2 + 2$$

10.646 INVALID-ORDER-646 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s + \frac{1}{R_4} + \frac{1}{L_4 s}},\ R_5,\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4 R_4 s\left(R_5 g_m - 1\right)\left(C_L L_L s^2 + 1\right)}{2C_4 C_L L_4 L_L R_4 R_5 g_m s^4 + 2C_4 C_L L_4 L_L R_4 s^4 + 2C_4 L_4 R_4 R_5 g_m s^2 + 2C_4 L_4 R_4 s^2 + 2C_L L_4 L_L R_4 g_m s^3 + 2C_L L_4 L_L R_5 g_m s^3 + 2C_L L_4 L_L s^3 + C_L L_4 R_4 R_5 g_m s^2 + C_L L_4 R_4 s^2 + 2C$$

10.647 INVALID-ORDER-647 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s + \frac{1}{R_4} + \frac{1}{L_4 s}},\ R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4 C_L L_4 L_L R_4 R_5 g_m s^4 + 2C_4 C_L L_4 L_L R_4 s^4 + 2C_4 C_L L_4 R_4 R_5 R_L g_m s^3 + 2C_4 C_L L_4 R_4 R_L s^3 + 2C_4 L_4 R_4 R_5 g_m s^2 + 2C_4 L_4 R_4 s^2 + 2C_L L_4 L_L R_4 g_m s^3 + 2C_L L_4 L_L R_5 g_m s^3 + 2C_L$$

10.648 INVALID-ORDER-648 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{2C_4C_LL_4L_LR_4R_5R_Lg_ms^4 + 2C_4C_LL_4L_LR_4R_Ls^4 + 2C_4L_4L_LR_4R_5g_ms^3 + 2C_4L_4L_LR_4s^3 + 2C_4L_4R_4R_5R_Lg_ms^2 + 2C_4L_4R_4R_Ls^2 + C_LL_4L_LR_4R_5g_ms^3 + 2C_LL_4L_LR_4R_L}$$

10.649 INVALID-ORDER-649 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = \frac{L_4R_4}{2C_4C_LL_4L_LR_4R_5R_Lg_ms^4 + 2C_4C_LL_4L_LR_4R_Ls^4 + 2C_4L_4R_4R_5R_Lg_ms^2 + 2C_4L_4R_4R_Ls^2 + C_LL_4L_LR_4R_5g_ms^3 + 2C_LL_4L_LR_4R_Lg_ms^3 + C_LL_4L_LR_4s^3 + 2C_LL_4L_LR_5R_L}$$

10.650 INVALID-ORDER-650 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{L_4R_4R_Ls\left(-C_5s+g_m\right)}{2C_4C_5L_4R_4R_Ls^3 + 2C_4L_4R_4R_Lg_ms^2 + 2C_5L_4R_4R_Lg_ms^2 + C_5L_4R_4s^2 + 2C_5L_4R_Ls^2 + 2C_5R_4R_Ls + L_4R_4g_ms + 2L_4R_Lg_ms + 2R_4R_Lg_m}$$

10.651 INVALID-ORDER-651 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4R_4s\left(-C_5s+g_m\right)}{2C_4C_5L_4R_4s^3 + 2C_4L_4R_4g_ms^2 + C_5C_LL_4R_4s^3 + 2C_5L_4R_4g_ms^2 + 2C_5L_4s^2 + 2C_5R_4s + C_LL_4R_4g_ms^2 + 2L_4g_ms + 2R_4g_m}$$

10.652 INVALID-ORDER-652 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{L_4R_4R_Ls\left(-C_5s+g_m\right)}{2C_4C_5L_4R_4R_Ls^3 + 2C_4L_4R_4R_Lg_ms^2 + C_5C_LL_4R_4R_Ls^3 + 2C_5L_4R_4R_Lg_ms^2 + C_5L_4R_4s^2 + 2C_5L_4R_Ls^2 + 2C_5R_4R_Ls + C_LL_4R_4R_Lg_ms^2 + L_4R_4g_ms + 2L_4R_Lg_ms + 2R_4}$$

10.653 INVALID-ORDER-653 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{L_4 R_4 s\left(C_5 s - g_m\right)\left(C_L R_L s + 1\right)}{2C_4C_5C_L L_4 R_4 R_L s^4 + 2C_4C_5 L_4 R_4 s^3 + 2C_4C_L L_4 R_4 R_L g_m s^3 + 2C_4 L_4 R_4 g_m s^2 + 2C_5C_L L_4 R_4 R_L g_m s^3 + C_5C_L L_4 R_4 s^3 + 2C_5C_L L_4 R_L s^3 + 2C_5C_L R_4 R_L s^2 + 2C_5 L_4 R_4 g_m s^2}$$

10.654 INVALID-ORDER-654 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ L_L s+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{L_4 R_4 s\left(C_5 s - g_m\right)\left(C_L L_L s^2 + 1\right)}{2C_4C_5C_L L_4 L_L R_4 s^5 + 2C_4C_5 L_4 R_4 s^3 + 2C_4C_L L_4 L_L R_4 g_m s^4 + 2C_4 L_4 R_4 g_m s^2 + 2C_5C_L L_4 L_L R_4 g_m s^4 + 2C_5C_L L_4 L_L s^4 + C_5C_L L_4 R_4 s^3 + 2C_5C_L L_L R_4 s^3 + 2C_5 L_4 R_4 g_m s^2}$$

10.655 INVALID-ORDER-655 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_4 L_L R_4 s\left(-C_5 s + g_m\right)}{2C_4C_5 L_4 L_L R_4 s^3 + 2C_4 L_4 L_L R_4 g_m s^2 + C_5C_L L_4 L_L R_4 s^3 + 2C_5 L_4 L_L R_4 g_m s^2 + 2C_5 L_4 L_L s^2 + C_5 L_4 R_4 s + 2C_5 L_L R_4 s + C_L L_4 L_L R_4 g_m s^2 + 2L_4 L_L g_m s + L_4 R_4 g_m + 2L_L R_4 g}$$

10.656 INVALID-ORDER-656 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ L_L s+R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{L_4 L_L R_4 s\left(C_5 s - g_m\right)\left(C_L R_L s^2 + C_L L_L s^2 + 1\right)}{2C_4C_5C_L L_4 L_L R_4 R_L s^5 + 2C_4C_5 L_4 L_L R_4 s^4 + 2C_4C_5 L_4 R_4 R_L s^4 + 2C_4C_5 L_4 R_4 s^3 + 2C_4C_L L_4 L_L R_4 g_m s^4 + 2C_4C_L L_4 R_4 R_L g_m s^3 + 2C_4 L_4 R_4 g_m s^2 + 2C_5C_L L_4 L_L R_4 g_m s^4 + 2C_5C_L L_4 L_L s^4 + 2C}$$

10.657 INVALID-ORDER-657 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_4 L_L R_4 R_L s\left(-C_5 s + g_m\right)}{2C_4C_5 L_4 L_L R_4 R_L s^3 + 2C_4 L_4 L_L R_4 R_L g_m s^2 + C_5C_L L_4 L_L R_4 R_L s^3 + 2C_5 L_4 L_L R_4 R_L g_m s^2 + C_5 L_4 L_L R_4 s^2 + 2C_5 L_4 L_L R_L s^2 + C_5 L_4 R_4 R_L s + 2C_5 L_L R_4 R_L s + C_L L_4 L_L R_4 R_L}$$

10.658 INVALID-ORDER-658 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_4R_Ls^5 + 2C_4C_5L_4L_LR_4s^4 + 2C_4C_5L_4R_4R_Ls^3 + 2C_4C_LL_4L_LR_4R_Lg_ms^4 + 2C_4L_4L_LR_4g_ms^3 + 2C_4L_4R_4R_Lg_ms^2 + 2C_5C_LL_4L_LR_4R_Lg_ms^4 + C_5C_LL_4L$$

10.659 INVALID-ORDER-659 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_4R_Ls^5 + 2C_4C_5L_4R_4R_Ls^3 + 2C_4C_LL_4L_LR_4R_Lg_ms^4 + 2C_4L_4R_4R_Lg_ms^2 + 2C_5C_LL_4L_LR_4R_Lg_ms^4 + C_5C_LL_4L_LR_4s^4 + 2C_5C_LL_4L_LR_Ls^4 + C_5C_LL_4R$$

10.660 INVALID-ORDER-660 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5R_5s+1},\ R_L\right)$

$$H(s) = \frac{L_4R_4R_Ls\left(-C_5R_5s + R_5g_m - 1\right)}{2C_4C_5L_4R_4R_5R_Ls^3 + 2C_4L_4R_4R_5R_Lg_ms^2 + 2C_4L_4R_4R_Ls^2 + 2C_5L_4R_4R_5R_Lg_ms^2 + C_5L_4R_4R_5s^2 + 2C_5L_4R_5R_Ls^2 + 2C_5R_4R_5R_Ls + L_4R_4R_5g_ms + 2L_4R_4R_Lg_ms + L_4R$$

10.661 INVALID-ORDER-661 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5R_5s+1},\ \frac{1}{C_Ls}\right)$

$$H(s) = \frac{L_4R_4s\left(-C_5R_5s + R_5g_m - 1\right)}{2C_4C_5L_4R_4R_5s^3 + 2C_4L_4R_4R_5g_ms^2 + 2C_4L_4R_4s^2 + C_5C_LL_4R_4R_5s^3 + 2C_5L_4R_4R_5g_ms^2 + 2C_5L_4R_5s^2 + 2C_5R_4R_5s + C_LL_4R_4R_5g_ms^2 + C_LL_4R_4s^2 + 2L_4R_4g_ms + 2L_4R$$

10.662 INVALID-ORDER-662 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5R_5s+1},\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = \frac{L_4R_4R_Ls\left(-C_5R_5s + R_5g_m - 1\right)}{2C_4C_5L_4R_4R_5R_Ls^3 + 2C_4L_4R_4R_5R_Lg_ms^2 + 2C_4L_4R_4R_Ls^2 + C_5C_LL_4R_4R_5R_Ls^3 + 2C_5L_4R_4R_5R_Lg_ms^2 + C_5L_4R_4R_5s^2 + 2C_5L_4R_5R_Ls^2 + 2C_5R_4R_5R_Ls + C_LL_4R_4R_5R$$

10.663 INVALID-ORDER-663 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4R_4R_5R_Ls^4 + 2C_4C_5L_4R_4R_5s^3 + 2C_4C_LL_4R_4R_5R_Lg_ms^3 + 2C_4C_LL_4R_4R_Ls^3 + 2C_4L_4R_4R_5g_ms^2 + 2C_4L_4R_4s^2 + 2C_5C_LL_4R_4R_5R_Lg_ms^3 + C_5C_LL_4R_4R_5s^3}$$

10.664 INVALID-ORDER-664 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ L_Ls+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_4R_5s^5 + 2C_4C_5L_4R_4R_5s^3 + 2C_4C_LL_4L_LR_4R_5g_ms^4 + 2C_4C_LL_4L_LR_4s^4 + 2C_4L_4R_4R_5g_ms^2 + 2C_4L_4R_4s^2 + 2C_5C_LL_4L_LR_4R_5g_ms^4 + 2C_5C_LL_4L_LR_5s^4}$$

10.665 INVALID-ORDER-665 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{L_4L_LR_4s\left(-C_5R_5s + R_5g_m - 1\right)}{2C_4C_5L_4L_LR_4R_5s^3 + 2C_4L_4L_LR_4R_5g_ms^2 + 2C_4L_4L_LR_4s^2 + C_5C_LL_4L_LR_4R_5s^3 + 2C_5L_4L_LR_4R_5g_ms^2 + 2C_5L_4L_LR_5s^2 + C_5L_4R_4R_5s + 2C_5L_LR_4R_5s + C_LL_4L_LR_4R_5g}$$

10.666 INVALID-ORDER-666 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ L_Ls+R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_4R_5s^5 + 2C_4C_5C_LL_4R_4R_5R_Ls^4 + 2C_4C_5L_4R_4R_5s^3 + 2C_4C_LL_4L_LR_4R_5g_ms^4 + 2C_4C_LL_4L_LR_4s^4 + 2C_4C_LL_4R_4R_5R_Lg_ms^3 + 2C_4C_LL_4R_4R_Ls^3 + 2C_4L}$$

10.667 INVALID-ORDER-667 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_LR_4R_5R_Ls^3 + 2C_4L_4L_LR_4R_5R_Lg_ms^2 + 2C_4L_4L_LR_4R_Ls^2 + C_5C_LL_4L_LR_4R_5R_Ls^3 + 2C_5L_4L_LR_4R_5R_Lg_ms^2 + C_5L_4L_LR_4R_5s^2 + 2C_5L_4L_LR_5R_Ls^2 + C_5L_4R_4}$$

10.668 INVALID-ORDER-668 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_4R_5R_Ls^5 + 2C_4C_5L_4L_LR_4R_5s^4 + 2C_4C_5L_4R_4R_5R_Ls^3 + 2C_4C_LL_4L_LR_4R_5R_Lg_ms^4 + 2C_4C_LL_4L_LR_4R_Ls^4 + 2C_4L_4L_LR_4R_5g_ms^3 + 2C_4L_4L_LR_4s^3 + 2C$$

10.669 INVALID-ORDER-669 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_4R_5R_Ls^5 + 2C_4C_5L_4R_4R_5R_Ls^3 + 2C_4C_LL_4L_LR_4R_5R_Lg_ms^4 + 2C_4C_LL_4L_LR_4R_Ls^4 + 2C_4L_4R_4R_5R_Lg_ms^2 + 2C_4L_4R_4R_Ls^2 + 2C_5C_LL_4L_LR_4R_5R_Lg_m$$

10.670 INVALID-ORDER-670 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{L_4R_4R_Ls\left(C_5R_5g_ms - C_5s + g_m\right)}{2C_4C_5L_4R_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_4R_Ls^3 + 2C_4L_4R_4R_Lg_ms^2 + C_5L_4R_4R_5g_ms^2 + 2C_5L_4R_4R_Lg_ms^2 + C_5L_4R_4s^2 + 2C_5L_4R_5R_Lg_ms^2 + 2C_5L_4R_Ls^2 + 2C_5R_4R_5R_Lg_ms +$$

10.671 INVALID-ORDER-671 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4R_4s\left(C_5R_5g_ms - C_5s + g_m\right)}{2C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_4s^3 + 2C_4L_4R_4g_ms^2 + C_5C_LL_4R_4R_5g_ms^3 + C_5C_LL_4R_4s^3 + 2C_5L_4R_4g_ms^2 + 2C_5L_4R_5g_ms^2 + 2C_5L_4s^2 + 2C_5R_4R_5g_ms + 2C_5R_4s + C_L$$

10.672 INVALID-ORDER-672 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{L_4R_4R_Ls\left(C_5R_5g_ms - C_5s + g_m\right)}{2C_4C_5L_4R_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_4R_Ls^3 + 2C_4L_4R_4R_Lg_ms^2 + C_5C_LL_4R_4R_5R_Lg_ms^3 + C_5C_LL_4R_4R_Ls^3 + C_5L_4R_4R_5g_ms^2 + 2C_5L_4R_4R_Lg_ms^2 + C_5L_4R_4s^2 + 2C_5L_4R$$

10.673 INVALID-ORDER-673 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4R_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_4R_4R_Ls^4 + 2C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_4s^3 + 2C_4C_LL_4R_4R_Lg_ms^3 + 2C_4L_4R_4g_ms^2 + C_5C_LL_4R_4R_5g_ms^3 + 2C_5C_LL_4R_4R_Lg_m}$$

10.674 INVALID-ORDER-674 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ L_Ls+\frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_4s^3 + 2C_4C_LL_4L_LR_4g_ms^4 + 2C_4L_4R_4g_ms^2 + 2C_5C_LL_4L_LR_4g_ms^4 + 2C_5C_LL_4L_LR_5g}$$

10.675 INVALID-ORDER-675 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{L_4L_LR_4s\left(C_5R_5g_ms - C_5s + g_m\right)}{2C_4C_5L_4L_LR_4R_5g_ms^3 + 2C_4C_5L_4L_LR_4s^3 + 2C_4L_4L_LR_4g_ms^2 + C_5C_LL_4L_LR_4R_5g_ms^3 + C_5C_LL_4L_LR_4s^3 + 2C_5L_4L_LR_4g_ms^2 + 2C_5L_4L_LR_5g_ms^2 + 2C_5L_4L_Ls^2 + C_5L_4R}$$

10.676 INVALID-ORDER-676 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ L_Ls+R_L+\frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_LL_4R_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_4R_4R_Ls^4 + 2C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_4s^3 + 2C_4C_LL_4L_LR_4g_ms^4 + 2C_4C}$$

10.677 INVALID-ORDER-677 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{1}{C_Ls+\frac{1}{R_L}+\frac{1}{L_Ls}}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_LR_4R_5R_Lg_ms^3 + 2C_4C_5L_4L_LR_4R_Ls^3 + 2C_4L_4L_LR_4R_Lg_ms^2 + C_5C_LL_4L_LR_4R_5R_Lg_ms^3 + C_5C_LL_4L_LR_4R_Ls^3 + C_5L_4L_LR_4R_5g_ms^2 + 2C_5L_4L_LR_4R_Lg_ms^2 + C}$$

10.678 INVALID-ORDER-678 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_LR_4R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_4R_LR_5s^5 + 2C_4C_5L_4L_LR_4R_5g_ms^4 + 2C_4C_5L_4L_LR_4s^4 + 2C_4C_5L_4R_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_4R_Ls^3 + 2C_4C_LL_4L_LR_4R_Lg_m$$

10.679 INVALID-ORDER-679 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_LR_4R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_4R_LR_5s^5 + 2C_4C_5L_4R_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_4R_Ls^3 + 2C_4C_LL_4L_LR_4R_Lg_ms^4 + 2C_4L_4R_4R_Lg_ms^2 + C_5C_LL_4L_LR_4R_5g_ms$$

10.680 INVALID-ORDER-680 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+\frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{L_4R_4R_Ls\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{2C_4C_5L_4L_5R_4R_Lg_ms^4 + 2C_4C_5L_4R_4R_Ls^3 + 2C_4L_4R_4R_Lg_ms^2 + C_5L_4L_5R_4g_ms^3 + 2C_5L_4L_5R_Lg_ms^3 + 2C_5L_4R_4R_Lg_ms^2 + C_5L_4R_4s^2 + 2C_5L_4R_Ls^2 + 2C_5L_5R_4R_Lg_ms^2 +$$

10.681 INVALID-ORDER-681 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4R_4s\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4R_4s^3 + 2C_4L_4R_4g_ms^2 + C_5C_LL_4L_5R_4g_ms^4 + C_5C_LL_4R_4s^3 + 2C_5L_4L_5g_ms^3 + 2C_5L_4R_4g_ms^2 + 2C_5L_4s^2 + 2C_5L_5R_4g_ms^2 + 2C_5R_4s + C_L$$

10.682 INVALID-ORDER-682 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{L_4R_4R_Ls\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{2C_4C_5L_4L_5R_4R_Lg_ms^4 + 2C_4C_5L_4R_4R_Ls^3 + 2C_4L_4R_4R_Lg_ms^2 + C_5C_LL_4L_5R_4R_Lg_ms^4 + C_5C_LL_4R_4R_Ls^3 + C_5L_4L_5R_4g_ms^3 + 2C_5L_4L_5R_Lg_ms^3 + 2C_5L_4R_4R_Lg_ms^2 + C_5$$

10.683 INVALID-ORDER-683 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + 2C_4C_5C_LL_4R_4R_Ls^4 + 2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4R_4s^3 + 2C_4C_LL_4R_4R_Lg_ms^3 + 2C_4L_4R_4g_ms^2 + C_5C_LL_4L_5R_4g_ms^4 + 2C_5C_LL_4L_5R_Lg_m}$$

10.684 INVALID-ORDER-684 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4R_4s^3 + 2C_4C_LL_4L_LR_4g_ms^4 + 2C_4L_4R_4g_ms^2 + 2C_5C_LL_4L_5L_Lg_ms^5 + C_5C_LL_4L_5R_4g_m}$$

10.685 INVALID-ORDER-685 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_4L_LR_4s\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{2C_4C_5L_4L_5L_LR_4g_ms^4 + 2C_4C_5L_4L_LR_4s^3 + 2C_4L_4L_LR_4g_ms^2 + C_5C_LL_4L_5L_LR_4g_ms^4 + C_5C_LL_4L_LR_4s^3 + 2C_5L_4L_5L_Lg_ms^3 + C_5L_4L_5R_4g_ms^2 + 2C_5L_4L_LR_4g_ms^2 + 2C_5}$$

10.686 INVALID-ORDER-686 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_LL_4R_4R_Ls^4 + 2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4R_4s^3 + 2C_4C_LL_4L_LR_4g_ms^4 + 2C_4C}$$

10.687 INVALID-ORDER-687 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5L_LR_4R_Lg_ms^4 + 2C_4C_5L_4L_LR_4R_Ls^3 + 2C_4L_4L_LR_4R_Lg_ms^2 + C_5C_LL_4L_5L_LR_4R_Lg_ms^4 + C_5C_LL_4L_LR_4R_Ls^3 + C_5L_4L_5L_LR_4g_ms^3 + 2C_5L_4L_5L_LR_Lg_ms^3 + C}$$

10.688 INVALID-ORDER-688 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + 2C_4C_5C_LL_4L_LR_4R_Ls^5 + 2C_4C_5L_4L_5L_LR_4g_ms^5 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + 2C_4C_5L_4L_LR_4s^4 + 2C_4C_5L_4R_4R_Ls^3 + 2C_4C_LL_4L_LR_4R_Lg_ms$$

10.689 INVALID-ORDER-689 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + 2C_4C_5C_LL_4L_LR_4R_Ls^5 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + 2C_4C_5L_4R_4R_Ls^3 + 2C_4C_LL_4L_LR_4R_Lg_ms^4 + 2C_4L_4R_4R_Lg_ms^2 + C_5C_LL_4L_5L_LR_4g_ms^5}$$

10.690 INVALID-ORDER-690 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L\right)$

$$H(s) = \frac{L_4R_4R_Ls\left(-C_5L_5s^2 + L_5g_ms - 1\right)}{2C_4C_5L_4L_5R_4R_Ls^4 + 2C_4L_4L_5R_4R_Lg_ms^3 + 2C_4L_4R_4R_Ls^2 + 2C_5L_4L_5R_4R_Lg_ms^3 + C_5L_4L_5R_4s^3 + 2C_5L_4L_5R_Ls^3 + 2C_5L_5R_4R_Ls^2 + L_4L_5R_4g_ms^2 + 2L_4L_5R_Lg_ms^2 + 2L}$$

10.691 INVALID-ORDER-691 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4R_4s\left(-C_5L_5s^2 + L_5g_ms - 1\right)}{2C_4C_5L_4L_5R_4s^4 + 2C_4L_4L_5R_4g_ms^3 + 2C_4L_4R_4s^2 + C_5C_LL_4L_5R_4s^4 + 2C_5L_4L_5R_4g_ms^3 + 2C_5L_4L_5s^3 + 2C_5L_5R_4s^2 + C_LL_4L_5R_4g_ms^3 + C_LL_4R_4s^2 + 2L_4L_5g_ms^2 + 2L_4}$$

10.692 INVALID-ORDER-692 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{L_4R_4R_Ls\left(-C_5L_5s^2 + L_5g_ms - 1\right)}{2C_4C_5L_4L_5R_4R_Ls^4 + 2C_4L_4L_5R_4R_Lg_ms^3 + 2C_4L_4R_4R_Ls^2 + C_5C_LL_4L_5R_4R_Ls^4 + 2C_5L_4L_5R_4R_Lg_ms^3 + C_5L_4L_5R_4s^3 + 2C_5L_4L_5R_Ls^3 + 2C_5L_5R_4R_Ls^2 + C_LL_4L_5R_4R}$$

10.693 INVALID-ORDER-693 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5R_4R_Ls^5 + 2C_4C_5L_4L_5R_4s^4 + 2C_4C_LL_4L_5R_4R_Lg_ms^4 + 2C_4C_LL_4R_4R_Ls^3 + 2C_4L_4L_5R_4g_ms^3 + 2C_4L_4R_4s^2 + 2C_5C_LL_4L_5R_4R_Lg_ms^4 + C_5C_LL_4L_5R_4s^4 +$$

10.694 INVALID-ORDER-694 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5L_4L_5R_4s^4 + 2C_4C_LL_4L_5L_LR_4g_ms^5 + 2C_4C_LL_4L_LR_4s^4 + 2C_4L_4L_5R_4g_ms^3 + 2C_4L_4R_4s^2 + 2C_5C_LL_4L_5L_LR_4g_ms^5 + 2C_5C_LL_4L_5L_Ls^5 +$$

10.695 INVALID-ORDER-695 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_4L_LR_4s\left(-C_5L_5s^2 + L_5g_ms - 1\right)}{2C_4C_5L_4L_5L_LR_4s^4 + 2C_4L_4L_5L_LR_4g_ms^3 + 2C_4L_4L_LR_4s^2 + C_5C_LL_4L_5L_LR_4s^4 + 2C_5L_4L_5L_LR_4g_ms^3 + 2C_5L_4L_5L_Ls^3 + C_5L_4L_5R_4s^2 + 2C_5L_5L_LR_4s^2 + C_LL_4L_5L_LR_4}$$

10.696 INVALID-ORDER-696 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s+R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_5R_4R_Ls^5 + 2C_4C_5L_4L_5R_4s^4 + 2C_4C_LL_4L_5L_LR_4g_ms^5 + 2C_4C_LL_4L_5R_4R_Lg_ms^4 + 2C_4C_LL_4L_LR_4s^4 + 2C_4C_LL_4R_4R_Ls^3 + 2C_4L_4$$

10.697 INVALID-ORDER-697 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5L_LR_4R_Ls^4 + 2C_4L_4L_5L_LR_4R_Lg_ms^3 + 2C_4L_4L_LR_4R_Ls^2 + C_5C_LL_4L_5L_LR_4R_Ls^4 + 2C_5L_4L_5L_LR_4R_Lg_ms^3 + C_5L_4L_5L_LR_4s^3 + 2C_5L_4L_5L_LR_Ls^3 + C_5L_4L_5R$$

10.698 INVALID-ORDER-698 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_Ls^6 + 2C_4C_5L_4L_5L_LR_4s^5 + 2C_4C_5L_4L_5R_4R_Ls^4 + 2C_4C_LL_4L_5L_LR_4R_Lg_ms^5 + 2C_4C_LL_4L_LR_4R_Ls^4 + 2C_4L_4L_5L_LR_4g_ms^4 + 2C_4L_4L_5R_4R_Lg_ms^3}$$

10.699 INVALID-ORDER-699 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_Ls^6 + 2C_4C_5L_4L_5R_4R_Ls^4 + 2C_4C_LL_4L_5L_LR_4R_Lg_ms^5 + 2C_4C_LL_4L_LR_4R_Ls^4 + 2C_4L_4L_5R_4R_Lg_ms^3 + 2C_4L_4R_4R_Ls^2 + 2C_5C_LL_4L_5L_LR_4R_Lg_ms$$

10.700 INVALID-ORDER-700 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+R_5+\frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{L_4R_4R_Ls\left(C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + \right.}{2C_4C_5L_4L_5R_4R_Lg_ms^4 + 2C_4C_5L_4R_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_4R_Ls^3 + 2C_4L_4R_4R_Lg_ms^2 + C_5L_4L_5R_4g_ms^3 + 2C_5L_4L_5R_Lg_ms^3 + C_5L_4R_4R_5g_ms^2 + 2C_5L_4R_4R_Lg_ms^2 + C}$$

10.701 INVALID-ORDER-701 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+R_5+\frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4R_4s\left(C_5L_5g_ms^2 + C_5R_5g_ms - C_5s + g_m\right)}{2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_4s^3 + 2C_4L_4R_4g_ms^2 + C_5C_LL_4L_5R_4g_ms^4 + C_5C_LL_4R_4R_5g_ms^3 + C_5C_LL_4R_4s^3 + 2C_5L_4L_5g_ms^3 + 2C_5L_4R_4g_ms^2 +}$$

10.702 INVALID-ORDER-702 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s+R_5+\frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5R_4R_Lg_ms^4 + 2C_4C_5L_4R_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_4R_Ls^3 + 2C_4L_4R_4R_Lg_ms^2 + C_5C_LL_4L_5R_4R_Lg_ms^4 + C_5C_LL_4R_4R_5R_Lg_ms^3 + C_5C_LL_4R_4R_Ls^3 + C_5L_4L_5R_4}$$

10.703 INVALID-ORDER-703 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + 2C_4C_5C_LL_4R_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_4R_4R_Ls^4 + 2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_4s^3 + 2C_4C_LL_4R_4R_Lg_ms^3 + 2C_4L}$$

10.704 INVALID-ORDER-704 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_4s^3 + 2C_4C_LL_4L_LR_4g_ms^4 + 2C_4L_}$$

10.705 INVALID-ORDER-705 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5L_LR_4g_ms^4 + 2C_4C_5L_4L_LR_4R_5g_ms^3 + 2C_4C_5L_4L_LR_4s^3 + 2C_4L_4L_LR_4g_ms^2 + C_5C_LL_4L_5L_LR_4g_ms^4 + C_5C_LL_4L_LR_4R_5g_ms^3 + C_5C_LL_4L_LR_4s^3 + 2C_5L_4L_5L_L}$$

10.706 INVALID-ORDER-706 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_LL_4R_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_4R_4R_Ls^4 + 2C_4C_5L_4L}$$

10.707 INVALID-ORDER-707 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5L_LR_4R_Lg_ms^4 + 2C_4C_5L_4L_LR_4R_5R_Lg_ms^3 + 2C_4C_5L_4L_LR_4R_Ls^3 + 2C_4L_4L_LR_4R_Lg_ms^2 + C_5C_LL_4L_5L_LR_4R_Lg_ms^4 + C_5C_LL_4L_LR_4R_5R_Lg_ms^3 + C_5C_LL_4L_L}$$

10.708 INVALID-ORDER-708 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + 2C_4C_5C_LL_4L_LR_4R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_4R_LR_5s^5 + 2C_4C_5L_4L_5L_LR_4g_ms^5 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + 2C_4C_5L_4L_LR_4R_5g_ms^4 + 2C_4C$$

10.709 INVALID-ORDER-709 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + 2C_4C_5C_LL_4L_LR_4R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_4R_LR_5s^5 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + 2C_4C_5L_4R_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_4R_LR_5s^3 + 2C_4C_LL_4$$

10.710 INVALID-ORDER-710 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ R_L\right)$

$$H(s) = \frac{L_4R_4R_Ls\left(-C_5L_5R\right.}{2C_4C_5L_4L_5R_4R_5R_Ls^4 + 2C_4L_4L_5R_4R_5R_Lg_ms^3 + 2C_4L_4L_5R_4R_Ls^3 + 2C_4L_4R_4R_5R_Ls^2 + 2C_5L_4L_5R_4R_5R_Lg_ms^3 + C_5L_4L_5R_4R_5s^3 + 2C_5L_4L_5R_5R_Ls^3 + 2C_5L_5R_4R_5R_L}$$

10.711 INVALID-ORDER-711 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4R_4s\left(-C_5L_5R_5s^2 + L_5R_5g_ms - \right.}{2C_4C_5L_4L_5R_4R_5s^4 + 2C_4L_4L_5R_4R_5g_ms^3 + 2C_4L_4L_5R_4s^3 + 2C_4L_4R_4R_5s^2 + C_5C_LL_4L_5R_4R_5s^4 + 2C_5L_4L_5R_4R_5g_ms^3 + 2C_5L_4L_5R_5s^3 + 2C_5L_5R_4R_5s^2 + C_LL_4L_5R_4R_5}$$

10.712 INVALID-ORDER-712 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5R_4R_5R_Ls^4 + 2C_4L_4L_5R_4R_5R_Lg_ms^3 + 2C_4L_4L_5R_4R_Ls^3 + 2C_4L_4R_4R_5R_Ls^2 + C_5C_LL_4L_5R_4R_5R_Ls^4 + 2C_5L_4L_5R_4R_5R_Lg_ms^3 + C_5L_4L_5R_4R_5s^3 + 2C_5L_4L_5R$$

10.713 INVALID-ORDER-713 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5R_4R_5R_Ls^5 + 2C_4C_5L_4L_5R_4R_5s^4 + 2C_4C_LL_4L_5R_4R_5R_Lg_ms^4 + 2C_4C_LL_4L_5R_4R_Ls^4 + 2C_4C_LL_4R_4R_5R_Ls^3 + 2C_4L_4L_5R_4R_5g_ms^3 + 2C_4L_4L_5R_4s^3 + 2C_4}$$

10.714 INVALID-ORDER-714 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_Ls+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5s^6 + 2C_4C_5L_4L_5R_4R_5s^4 + 2C_4C_LL_4L_5L_LR_4R_5g_ms^5 + 2C_4C_LL_4L_5L_LR_4s^5 + 2C_4C_LL_4L_LR_4R_5s^4 + 2C_4L_4L_5R_4R_5g_ms^3 + 2C_4L_4L_5R_4s^3 + 2C_4L}$$

10.715 INVALID-ORDER-715 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5L_LR_4R_5s^4 + 2C_4L_4L_5L_LR_4R_5g_ms^3 + 2C_4L_4L_5L_LR_4s^3 + 2C_4L_4L_LR_4R_5s^2 + C_5C_LL_4L_5L_LR_4R_5s^4 + 2C_5L_4L_5L_LR_4R_5g_ms^3 + 2C_5L_4L_5L_LR_5s^3 + C_5L_4L_5R_4}$$

10.716 INVALID-ORDER-716 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_Ls+R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5s^6 + 2C_4C_5C_LL_4L_5R_4R_5R_Ls^5 + 2C_4C_5L_4L_5R_4R_5s^4 + 2C_4C_LL_4L_5L_LR_4R_5g_ms^5 + 2C_4C_LL_4L_5L_LR_4s^5 + 2C_4C_LL_4L_5R_4R_5R_Lg_ms^4 + 2C_4C_LL_4}$$

10.717 INVALID-ORDER-717 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5L_LR_4R_5R_Ls^4 + 2C_4L_4L_5L_LR_4R_5R_Lg_ms^3 + 2C_4L_4L_5L_LR_4R_Ls^3 + 2C_4L_4L_LR_4R_5R_Ls^2 + C_5C_LL_4L_5L_LR_4R_5R_Ls^4 + 2C_5L_4L_5L_LR_4R_5R_Lg_ms^3 + C_5L_4L_5L_L}$$

10.718 INVALID-ORDER-718 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5R_Ls^6 + 2C_4C_5L_4L_5L_LR_4R_5s^5 + 2C_4C_5L_4L_5R_4R_5R_Ls^4 + 2C_4C_LL_4L_5L_LR_4R_5R_Lg_ms^5 + 2C_4C_LL_4L_5L_LR_4R_Ls^5 + 2C_4C_LL_4L_LR_4R_5R_Ls^4 + 2C}$$

10.719 INVALID-ORDER-719 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5R_Ls^6 + 2C_4C_5L_4L_5R_4R_5R_Ls^4 + 2C_4C_LL_4L_5L_LR_4R_5R_Lg_ms^5 + 2C_4C_LL_4L_5L_LR_4R_Ls^5 + 2C_4C_LL_4L_LR_4R_5R_Ls^4 + 2C_4L_4L_5R_4R_5R_Lg_ms^3 + 2C}$$

10.720 INVALID-ORDER-720 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ R_L\right)$

$$H(s) = \frac{L}{2C_4C_5L_4L_5R_4R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_4R_Ls^4 + 2C_4L_4L_5R_4R_Lg_ms^3 + 2C_4L_4R_4R_5R_Lg_ms^2 + 2C_4L_4R_4R_Ls^2 + C_5L_4L_5R_4R_5g_ms^3 + 2C_5L_4L_5R_4R_Lg_ms^3 + C_5L_4L_5R_4s^3}$$

10.721 INVALID-ORDER-721 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4R_4s\left(C_5L_5R_5g_m\right.}{2C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_4s^4 + 2C_4L_4L_5R_4g_ms^3 + 2C_4L_4R_4R_5g_ms^2 + 2C_4L_4R_4s^2 + C_5C_LL_4L_5R_4R_5g_ms^4 + C_5C_LL_4L_5R_4s^4 + 2C_5L_4L_5R_4g_ms^3 + 2C_5L_4L_5}$$

10.722 INVALID-ORDER-722 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5R_4R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_4R_Ls^4 + 2C_4L_4L_5R_4R_Lg_ms^3 + 2C_4L_4R_4R_5R_Lg_ms^2 + 2C_4L_4R_4R_Ls^2 + C_5C_LL_4L_5R_4R_5R_Lg_ms^4 + C_5C_LL_4L_5R_4R_Ls^4 + C_5L_4L}$$

10.723 INVALID-ORDER-723 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5R_4R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_5R_4R_Ls^5 + 2C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_4s^4 + 2C_4C_LL_4L_5R_4R_Lg_ms^4 + 2C_4C_LL_4R_4R_5R_Lg_ms^3 + 2C_4C_LL_4R_4R_Ls^3}$$

10.724 INVALID-ORDER-724 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_4s^4 + 2C_4C_LL_4L_5L_LR_4g_ms^5 + 2C_4C_LL_4L_LR_4R_5g_ms^4 + 2C_4C_LL_4L_LR_4s^4}$$

10.725 INVALID-ORDER-725 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5L_LR_4R_5g_ms^4 + 2C_4C_5L_4L_5L_LR_4s^4 + 2C_4L_4L_5L_LR_4g_ms^3 + 2C_4L_4L_LR_4R_5g_ms^2 + 2C_4L_4L_LR_4s^2 + C_5C_LL_4L_5L_LR_4R_5g_ms^4 + C_5C_LL_4L_5L_LR_4s^4 + 2C_5L_4L_5}$$

10.726 INVALID-ORDER-726 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_5R_4R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_5R_4R_Ls^5 + 2C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_4s^4 + 2C_4C_LL_4L_5}$$

10.727 INVALID-ORDER-727 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5L_LR_4R_5R_Lg_ms^4 + 2C_4C_5L_4L_5L_LR_4R_Ls^4 + 2C_4L_4L_5L_LR_4R_Lg_ms^3 + 2C_4L_4L_LR_4R_5R_Lg_ms^2 + 2C_4L_4L_LR_4R_Ls^2 + C_5C_LL_4L_5L_LR_4R_5R_Lg_ms^4 + C_5C_LL_4L_5$$

10.728 INVALID-ORDER-728 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4R_Ls^6 + 2C_4C_5L_4L_5L_LR_4R_5g_ms^5 + 2C_4C_5L_4L_5L_LR_4s^5 + 2C_4C_5L_4L_5R_4R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_4R_Ls^4 + 2C_4C_$$

10.729 INVALID-ORDER-729 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4R_Ls^6 + 2C_4C_5L_4L_5R_4R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_4R_Ls^4 + 2C_4C_LL_4L_5L_LR_4R_Lg_ms^5 + 2C_4C_LL_4L_LR_4R_5R_Lg_ms^4 +$$

10.730 INVALID-ORDER-730 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5R_4R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_4R_Ls^4 + 2C_4C_5L_4R_4R_5R_Ls^3 + 2C_4L_4R_4R_5R_Lg_ms^2 + 2C_4L_4R_4R_Ls^2 + C_5L_4L_5R_4R_5g_ms^3 + 2C_5L_4L_5R_4R_Lg_ms^3 + C_5L_4L_5R_4s^3}$$

10.731 INVALID-ORDER-731 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{L_4R_4s\ (}{2C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_4s^4 + 2C_4C_5L_4R_4R_5s^3 + 2C_4L_4R_4R_5g_ms^2 + 2C_4L_4R_4s^2 + C_5C_LL_4L_5R_4R_5g_ms^4 + C_5C_LL_4L_5R_4s^4 + C_5C_LL_4R_4R_5s^3 + 2C_5L_4L_5R$$

10.732 INVALID-ORDER-732 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5R_4R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_4R_Ls^4 + 2C_4C_5L_4R_4R_5R_Ls^3 + 2C_4L_4R_4R_5R_Lg_ms^2 + 2C_4L_4R_4R_Ls^2 + C_5C_LL_4L_5R_4R_5R_Lg_ms^4 + C_5C_LL_4L_5R_4R_Ls^4 + C_5C_L$$

10.733 INVALID-ORDER-733 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5R_4R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_5R_4R_Ls^5 + 2C_4C_5C_LL_4R_4R_5R_Ls^4 + 2C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_4s^4 + 2C_4C_5L_4R_4R_5s^3 + 2C_4C_LL_4R_4R_5R_Lg_m$$

10.734 INVALID-ORDER-734 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_Ls+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_LR_4R_5s^5 + 2C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_4s^4 + 2C_4C_5L_4R_4R_5s^3 + 2C_4C_LL_4L_LR_4R_5g_ms$$

10.735 INVALID-ORDER-735 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_Ls}{C_LL_Ls^2+1}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5L_LR_4R_5g_ms^4 + 2C_4C_5L_4L_5L_LR_4s^4 + 2C_4C_5L_4L_LR_4R_5s^3 + 2C_4L_4L_LR_4R_5g_ms^2 + 2C_4L_4L_LR_4s^2 + C_5C_LL_4L_5L_LR_4R_5g_ms^4 + C_5C_LL_4L_5L_LR_4s^4 + C_5C_LL_4$$

10.736 INVALID-ORDER-736 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_Ls+R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_5R_4R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_5R_4R_Ls^5 + 2C_4C_5C_LL_4L_LR_4R_5s^5 + 2C_4C_5C_LL_4R_4R_5R_Ls^4 + 2C_4$$

10.737 INVALID-ORDER-737 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{2C_4C_5L_4L_5L_LR_4R_5R_Lg_ms^4 + 2C_4C_5L_4L_5L_LR_4R_Ls^4 + 2C_4C_5L_4L_LR_4R_5R_Ls^3 + 2C_4L_4L_LR_4R_5R_Lg_ms^2 + 2C_4L_4L_LR_4R_Ls^2 + C_5C_LL_4L_5L_LR_4R_5R_Lg_ms^4 + C_5C_LL_4L_5$$

10.738 INVALID-ORDER-738 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4R_Ls^6 + 2C_4C_5C_LL_4L_LR_4R_5R_Ls^5 + 2C_4C_5L_4L_5L_LR_4R_5g_ms^5 + 2C_4C_5L_4L_5L_LR_4s^5 + 2C_4C_5L_4L_5R_4R_5R_Lg_ms^4 +$$

10.739 INVALID-ORDER-739 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{1}{C_4 s+\frac{1}{R_4}+\frac{1}{L_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4R_Ls^6 + 2C_4C_5C_LL_4L_LR_4R_5R_Ls^5 + 2C_4C_5L_4L_5R_4R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_4R_Ls^4 + 2C_4C_5L_4R_4R_5R_Ls^3 + 2C$$

10.740 INVALID-ORDER-740 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1}+R_4,\ R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{(R_5g_m - 1)\left(C_4L_4R_4s^2 + L_4s + R_4\right)}{C_4C_LL_4R_4R_5g_ms^3 + C_4C_LL_4R_4s^3 + 2C_4L_4R_4g_ms^2 + 2C_4L_4R_5g_ms^2 + 2C_4L_4s^2 + C_LL_4R_5g_ms^2 + C_LL_4s^2 + C_LR_4R_5g_ms + C_LR_4s + 2L_4g_ms + 2R_4g_m + 2R_5g_m + 2}$$

10.741 INVALID-ORDER-741 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1}+R_4,\ R_5,\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_L\left(R_5g_m - 1\right)\left(C_4L_4R_4s^2 + L_4s + R_4\right)}{C_4C_LL_4R_4R_5R_Lg_ms^3 + C_4C_LL_4R_4R_Ls^3 + C_4L_4R_4R_5g_ms^2 + 2C_4L_4R_4R_Lg_ms^2 + C_4L_4R_4s^2 + 2C_4L_4R_5R_Lg_ms^2 + 2C_4L_4R_Ls^2 + C_LL_4R_5R_Lg_ms^2 + C_LL_4R_Ls^2 + C_LR_4$$

10.742 INVALID-ORDER-742 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1}+R_4,\ R_5,\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(R_5g_m - 1\right)\left(C_LR_Ls + 1\right)\left(C_4L_4R_4s^2 + L_4s + R_4\right.}{C_4C_LL_4R_4R_5g_ms^3 + 2C_4C_LL_4R_4R_Lg_ms^3 + C_4C_LL_4R_4s^3 + 2C_4C_LL_4R_5R_Lg_ms^3 + 2C_4C_LL_4R_Ls^3 + 2C_4L_4R_4g_ms^2 + 2C_4L_4R_5g_ms^2 + 2C_4L_4s^2 + C_LL_4R_5g_ms^2 + 2C_LL_4$$

10.743 INVALID-ORDER-743 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5,\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{(R_5 g_m - 1)\left(C_L L_L s^2 + 1\right)\left(C_4 L_4 R_4 s^2 + L_4 s + R}{2C_4 C_L L_4 L_L R_4 g_m s^4 + 2C_4 C_L L_4 L_L R_5 g_m s^4 + 2C_4 C_L L_4 L_L s^4 + C_4 C_L L_4 R_4 R_5 g_m s^3 + C_4 C_L L_4 R_4 s^3 + 2C_4 L_4 R_4 g_m s^2 + 2C_4 L_4 R_5 g_m s^2 + 2C_4 L_4 s^2 + 2C_L L_4 L_L g_m s^3 + C_L L_4}$$

10.744 INVALID-ORDER-744 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L s\left(R_5 g_m - 1\right)\left(C_4 L_4 R_4 s^2 + L_4 s + R_4\right)}{C_4 C_L L_4 L_L R_4 R_5 g_m s^4 + C_4 C_L L_4 L_L R_4 s^4 + 2C_4 L_4 L_L R_4 g_m s^3 + 2C_4 L_4 L_L R_5 g_m s^3 + 2C_4 L_4 L_L s^3 + C_4 L_4 R_4 R_5 g_m s^2 + C_4 L_4 R_4 s^2 + C_L L_4 L_L R_5 g_m s^3 + C_L L_4 L_L s^3 + C_L L_L R}$$

10.745 INVALID-ORDER-745 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4 C_L L_4 L_L R_4 g_m s^4 + 2C_4 C_L L_4 L_L R_5 g_m s^4 + 2C_4 C_L L_4 L_L s^4 + C_4 C_L L_4 R_4 R_5 g_m s^3 + 2C_4 C_L L_4 R_4 R_L g_m s^3 + C_4 C_L L_4 R_4 s^3 + 2C_4 C_L L_4 R_5 R_L g_m s^3 + 2C_4 C_L L_4 R_L s^3 + 2C_4 L}$$

10.746 INVALID-ORDER-746 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4 C_L L_4 L_L R_4 R_5 R_L g_m s^4 + C_4 C_L L_4 L_L R_4 R_L s^4 + C_4 L_4 L_L R_4 R_5 g_m s^3 + 2C_4 L_4 L_L R_4 R_L g_m s^3 + C_4 L_4 L_L R_4 s^3 + 2C_4 L_4 L_L R_5 R_L g_m s^3 + 2C_4 L_4 L_L R_L s^3 + C_4 L_4 R_4 R_5 R_L g_m s^2}$$

10.747 INVALID-ORDER-747 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{C_4 C_L L_4 L_L R_4 R_5 g_m s^4 + 2C_4 C_L L_4 L_L R_4 R_L g_m s^4 + C_4 C_L L_4 L_L R_4 s^4 + 2C_4 C_L L_4 L_L R_5 R_L g_m s^4 + 2C_4 C_L L_4 L_L R_L s^4 + 2C_4 L_4 L_L R_4 g_m s^3 + 2C_4 L_4 L_L R_5 g_m s^3 + 2C_4 L_4 L_L s^3 +}$$

10.748 INVALID-ORDER-748 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_LL_4L_LR_4R_5g_ms^4 + 2C_4C_LL_4L_LR_4R_Lg_ms^4 + C_4C_LL_4L_LR_4s^4 + 2C_4C_LL_4L_LR_5R_Lg_ms^4 + 2C_4C_LL_4L_LR_Ls^4 + C_4C_LL_4R_4R_5R_Lg_ms^3 + C_4C_LL_4R_4R_Ls^3 + C_4L_4R_4R}$$

10.749 INVALID-ORDER-749 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = -\frac{R_L\left(C_5 s - g_m\right)\left(C_4L_4R_4s^2 + L_4s + R_4\right)}{2C_4C_5L_4R_4R_Lg_ms^3 + C_4C_5L_4R_4s^3 + 2C_4C_5L_4R_Ls^3 + C_4L_4R_4g_ms^2 + 2C_4L_4R_Lg_ms^2 + 2C_5L_4R_Lg_ms^2 + C_5L_4s^2 + 2C_5R_4R_Lg_ms + C_5R_4s + 2C_5R_Ls + L_4g_ms + R_4g_m}$$

10.750 INVALID-ORDER-750 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_5 s - g_m\right)\left(C_4L_4R_4s^2 + L_4s + R_4\right)}{C_4C_5C_LL_4R_4s^4 + 2C_4C_5L_4R_4g_ms^3 + 2C_4C_5L_4s^3 + C_4C_LL_4R_4g_ms^3 + 2C_4L_4g_ms^2 + C_5C_LL_4s^3 + C_5C_LR_4s^2 + 2C_5L_4g_ms^2 + 2C_5R_4g_ms + 2C_5s + C_LL_4g_ms^2 + C_LR_4g}$$

10.751 INVALID-ORDER-751 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{R_L\left(C_5 s - g_m\right)\left(C_4L_4R_4s^2 + L_4s + R_4\right)}{C_4C_5C_LL_4R_4R_Ls^4 + 2C_4C_5L_4R_4R_Lg_ms^3 + C_4C_5L_4R_4s^3 + 2C_4C_5L_4R_Ls^3 + C_4C_LL_4R_4R_Lg_ms^3 + C_4L_4R_4g_ms^2 + 2C_4L_4R_Lg_ms^2 + C_5C_LL_4R_Ls^3 + C_5C_LR_4R_Ls^2 + 2C}$$

10.752 INVALID-ORDER-752 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_5 s - g_m\right)\left(C_LR_Ls+1\right)\left(C_4L_4R_4s^2}{2C_4C_5C_LL_4R_4R_Lg_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5C_LL_4R_Ls^4 + 2C_4C_5L_4R_4g_ms^3 + 2C_4C_5L_4s^3 + C_4C_LL_4R_4g_ms^3 + 2C_4C_LL_4R_Lg_ms^3 + 2C_4L_4g_ms^2 + 2C_5C_LL_4R_Lg_ms}$$

10.753 INVALID-ORDER-753 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{(C_5 s - g_m)\left(C_L L_L s^2 + 1\right)\left(C_4 L_4 R_4 s$$
$$2C_4C_5C_L L_4 L_L R_4 g_m s^5 + 2C_4C_5C_L L_4 L_L s^5 + C_4C_5C_L L_4 R_4 s^4 + 2C_4C_5 L_4 R_4 g_m s^3 + 2C_4C_5 L_4 s^3 + 2C_4C_L L_4 L_L g_m s^4 + C_4C_L L_4 R_4 g_m s^3 + 2C_4 L_4 g_m s^2 + 2C_5 C_L L_4 L_L g_m s$$

10.754 INVALID-ORDER-754 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{L_L s\,(C_5 s - g_m)\left(C_4 L_4 R_4 s^2 + L_4 s + R_4\right)}{C_4C_5C_L L_4 L_L R_4 s^5 + 2C_4C_5 L_4 L_L R_4 g_m s^4 + 2C_4C_5 L_4 L_L s^4 + C_4C_5 L_4 R_4 s^3 + C_4C_L L_4 L_L R_4 g_m s^4 + 2C_4 L_4 L_L g_m s^3 + C_4 L_4 R_4 g_m s^2 + C_5 C_L L_4 L_L s^4 + C_5 C_L L_L R_4 s^3 + 2C_5$$

10.755 INVALID-ORDER-755 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_L L_4 L_L R_4 g_m s^5 + 2C_4C_5C_L L_4 L_L s^5 + 2C_4C_5C_L L_4 R_4 R_L g_m s^4 + C_4C_5C_L L_4 R_4 s^4 + 2C_4C_5C_L L_4 R_L s^4 + 2C_4C_5 L_4 R_4 g_m s^3 + 2C_4C_5 L_4 s^3 + 2C_4C_L L_4 L_L g_m s^4 + C_4C$$

10.756 INVALID-ORDER-756 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_L L_4 L_L R_4 R_L s^5 + 2C_4C_5 L_4 L_L R_4 R_L g_m s^4 + C_4C_5 L_4 L_L R_4 s^4 + 2C_4C_5 L_4 L_L R_L s^4 + C_4C_5 L_4 R_4 R_L s^3 + C_4C_L L_4 L_L R_4 R_L g_m s^4 + C_4 L_4 L_L R_4 g_m s^3 + 2C_4 L_4 L_L R_L g_m s$$

10.757 INVALID-ORDER-757 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_L L_4 L_L R_4 R_L g_m s^5 + C_4C_5C_L L_4 L_L R_4 s^5 + 2C_4C_5C_L L_4 L_L R_L s^5 + 2C_4C_5 L_4 L_L R_4 g_m s^4 + 2C_4C_5 L_4 L_L s^4 + 2C_4C_5 L_4 R_4 R_L g_m s^3 + C_4C_5 L_4 R_4 s^3 + 2C_4C_5 L_4 R_L s^3 +$$

10.758 INVALID-ORDER-758 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_4R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_LL_4L_LR_Ls^5 + C_4C_5C_LL_4R_4R_Ls^4 + 2C_4C_5L_4R_4R_Lg_ms^3 + C_4C_5L_4R_4s^3 + 2C_4C_5L_4R_Ls^3 + C_4C_LL_4L_LR_4g_m}$$

10.759 INVALID-ORDER-759 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ R_L\right)$

$$H(s) = -\frac{R_L\left(C_5R_5s - R_5g_m + 1\right)\left(C_4L_4R_4s^2 +\right.}{2C_4C_5L_4R_4R_5R_Lg_ms^3 + C_4C_5L_4R_4R_5s^3 + 2C_4C_5L_4R_5R_Ls^3 + C_4L_4R_4R_5g_ms^2 + 2C_4L_4R_4R_Lg_ms^2 + C_4L_4R_4s^2 + 2C_4L_4R_5R_Lg_ms^2 + 2C_4L_4R_Ls^2 + 2C_5L_4R_5R_Lg_ms^2}$$

10.760 INVALID-ORDER-760 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_5R_5s - R_5g_m + 1\right)\left(C_4L_4R_4s^2 + L_4s\right.}{C_4C_5C_LL_4R_4R_5s^4 + 2C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_5s^3 + C_4C_LL_4R_4R_5g_ms^3 + C_4C_LL_4R_4s^3 + 2C_4L_4R_4g_ms^2 + 2C_4L_4R_5g_ms^2 + 2C_4L_4s^2 + C_5C_LL_4R_5s^3 + C_5C_LR_4}$$

10.761 INVALID-ORDER-761 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4R_4R_5R_Ls^4 + 2C_4C_5L_4R_4R_5R_Lg_ms^3 + C_4C_5L_4R_4R_5s^3 + 2C_4C_5L_4R_5R_Ls^3 + C_4C_LL_4R_4R_5R_Lg_ms^3 + C_4C_LL_4R_4R_Ls^3 + C_4L_4R_4R_5g_ms^2 + 2C_4L_4R_4R_Lg_ms^2}$$

10.762 INVALID-ORDER-762 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4R_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_4R_5s^4 + 2C_4C_5C_LL_4R_5R_Ls^4 + 2C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_5s^3 + C_4C_LL_4R_4R_5g_ms^3 + 2C_4C_LL_4R_4R_Lg_ms^3 + C_4C_LL_4R_4}$$

10.763 INVALID-ORDER-763 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4L_LR_5s^5 + C_4C_5C_LL_4R_4R_5s^4 + 2C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_5s^3 + 2C_4C_LL_4L_LR_4g_ms^4 + 2C_4C_LL_4L_LR_5g_ms^4 + 2C_4C_LL_4$$

10.764 INVALID-ORDER-764 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_LR_4R_5s^5 + 2C_4C_5L_4L_LR_4R_5g_ms^4 + 2C_4C_5L_4L_LR_5s^4 + C_4C_5L_4R_4R_5s^3 + C_4C_LL_4L_LR_4R_5g_ms^4 + C_4C_LL_4L_LR_4s^4 + 2C_4L_4L_LR_4g_ms^3 + 2C_4L_4L_LR_5g_ms^3$$

10.765 INVALID-ORDER-765 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4L_LR_5s^5 + 2C_4C_5C_LL_4R_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_4R_5s^4 + 2C_4C_5C_LL_4R_5R_Ls^4 + 2C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_5s^3 + 2C_4C$$

10.766 INVALID-ORDER-766 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_LR_4R_5R_Ls^5 + 2C_4C_5L_4L_LR_4R_5R_Lg_ms^4 + C_4C_5L_4L_LR_4R_5s^4 + 2C_4C_5L_4L_LR_5R_Ls^4 + C_4C_5L_4R_4R_5R_Ls^3 + C_4C_LL_4L_LR_4R_5R_Lg_ms^4 + C_4C_LL_4L_LR_4R_Ls$$

10.767 INVALID-ORDER-767 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4R_5s^5 + 2C_4C_5C_LL_4L_LR_5R_Ls^5 + 2C_4C_5L_4L_LR_4R_5g_ms^4 + 2C_4C_5L_4L_LR_5s^4 + 2C_4C_5L_4R_4R_5R_Lg_ms^3 + C_4C_5L_4R_4R_5s^3$$

10.768 INVALID-ORDER-768 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4R_5s^5 + 2C_4C_5C_LL_4L_LR_5R_Ls^5 + C_4C_5C_LL_4R_4R_5R_Ls^4 + 2C_4C_5L_4R_4R_5R_Lg_ms^3 + C_4C_5L_4R_4R_5s^3 + 2C_4C_5L_4R_5R_Ls^3}$$

10.769 INVALID-ORDER-769 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_4L_4R_4s^2 + L_4s + R_4\right)\left(C_5R_5g_ms - C_5s + g_m\right)}{C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_4R_Lg_ms^3 + C_4C_5L_4R_4s^3 + 2C_4C_5L_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_Ls^3 + C_4L_4R_4g_ms^2 + 2C_4L_4R_Lg_ms^2 + C_5L_4R_5g_ms^2 + 2C_5L_4R_Lg_ms^2 + C_5L}$$

10.770 INVALID-ORDER-770 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4L_4R_4s^2 + L_4s + R_4\right)\left(C_5R_5g_ms - C_5s + g_m\right)}{C_4C_5C_LL_4R_4R_5g_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5L_4R_4g_ms^3 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4s^3 + C_4C_LL_4R_4g_ms^3 + 2C_4L_4g_ms^2 + C_5C_LL_4R_5g_ms^3 + C_5C_LL_4s^3 + C_5C_LR_4}$$

10.771 INVALID-ORDER-771 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4R_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_4R_Ls^4 + C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_4R_Lg_ms^3 + C_4C_5L_4R_4s^3 + 2C_4C_5L_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_Ls^3 + C_4C_LL_4R_4R_Lg_ms^3 +}$$

10.772 INVALID-ORDER-772 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4R_4R_5g_ms^4 + 2C_4C_5C_LL_4R_4R_Lg_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5C_LL_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_4R_Ls^4 + 2C_4C_5L_4R_4g_ms^3 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4s^3 + C}$$

10.773 INVALID-ORDER-773 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_LR_4g_ms^5 + 2C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_4R_4R_5g_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5L_4R_4g_ms^3 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4s^3 + 2C}$$

10.774 INVALID-ORDER-774 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_LR_4R_5g_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5L_4L_LR_4g_ms^4 + 2C_4C_5L_4L_LR_5g_ms^4 + 2C_4C_5L_4L_Ls^4 + C_4C_5L_4R_4R_5g_ms^3 + C_4C_5L_4R_4s^3 + C_4C_LL_4L_LR_4g_ms^4 +}$$

10.775 INVALID-ORDER-775 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_LR_4g_ms^5 + 2C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_4R_4R_5g_ms^4 + 2C_4C_5C_LL_4R_4R_Lg_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5C_LL_4R_5R_Lg_ms^4 + 2C_4}$$

10.776 INVALID-ORDER-776 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_LR_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4R_Ls^5 + C_4C_5L_4L_LR_4R_5g_ms^4 + 2C_4C_5L_4L_LR_4R_Lg_ms^4 + C_4C_5L_4L_LR_4s^4 + 2C_4C_5L_4L_LR_5R_Lg_ms^4 + 2C_4C_5L_4L_LR_Ls^4 +}$$

10.777 INVALID-ORDER-777 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4L_LR_4R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_LL_4L_LR_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_Ls^5 + 2C_4C_5L_4L_LR_4g_ms^4 + 2C_4C_5L_4L_LR_5g_m}$$

10.778 INVALID-ORDER-778 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4L_LR_4R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_LL_4L_LR_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_Ls^5 + C_4C_5C_LL_4R_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R}$$

10.779 INVALID-ORDER-779 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_4L_4R_4s^2 + L_4s + R_4\right)\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5R_Lg_ms^4 + 2C_4C_5L_4R_4R_Lg_ms^3 + C_4C_5L_4R_4s^3 + 2C_4C_5L_4R_Ls^3 + C_4L_4R_4g_ms^2 + 2C_4L_4R_Lg_ms^2 + C_5L_4L_5g_ms^3 + 2C_5L_4R_Lg_ms^2 + C_5L}$$

10.780 INVALID-ORDER-780 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4L_4R_4s^2 + L_4s + R_4\right)\left(C_5L_5g_ms^2 - C_5s + g_m\right)}{C_4C_5C_LL_4L_5R_4g_ms^5 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_4R_4g_ms^3 + 2C_4C_5L_4s^3 + C_4C_LL_4R_4g_ms^3 + 2C_4L_4g_ms^2 + C_5C_LL_4L_5g_ms^4 + C_5C_LL_4s^3 + C_5C_LL_5}$$

10.781 INVALID-ORDER-781 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4R_4R_Ls^4 + C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5R_Lg_ms^4 + 2C_4C_5L_4R_4R_Lg_ms^3 + C_4C_5L_4R_4s^3 + 2C_4C_5L_4R_Ls^3 + C_4C_LL_4R_4R_Lg_ms^3 +}$$

10.782 INVALID-ORDER-782 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5R_4g_ms^5 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + 2C_4C_5C_LL_4R_4R_Lg_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5C_LL_4R_Ls^4 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_4R_4g_ms^3 + 2C_4C_5L_4s^3 + C_}$$

10.783 INVALID-ORDER-783 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_4g_ms^5 + 2C_4C_5C_LL_4L_LR_4g_ms^5 + 2C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_4R_4g_ms^3 + 2C_4C_5L_4s^3 + 2C}$$

10.784 INVALID-ORDER-784 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4g_ms^6 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5L_4L_5L_Lg_ms^5 + C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_LR_4g_ms^4 + 2C_4C_5L_4L_Ls^4 + C_4C_5L_4R_4s^3 + C_4C_LL_4L_LR_4g_ms^4 + 2}$$

10.785 INVALID-ORDER-785 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_4g_ms^5 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_4g_ms^5 + 2C_4C_5C_LL_4L_Ls^5 + 2C_4C_5C_LL_4R_4R_Lg_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C}$$

10.786 INVALID-ORDER-786 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_LR_4R_Ls^5 + C_4C_5L_4L_5L_LR_4g_ms^5 + 2C_4C_5L_4L_5L_LR_Lg_ms^5 + C_4C_5L_4L_5R_4R_Lg_ms^4 + 2C_4C_5L_4L_LR_4R_Lg_ms^4 + C_4C_5L_4L_LR_4s^}$$

10.787 INVALID-ORDER-787 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + 2C_4C_5C_LL_4L_LR_4R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_LL_4L_LR_Ls^5 + 2C_4C_5L_4L_5L_Lg_ms^5 + C_4C_5L_4L_5R_4g_ms^4}$$

10.788 INVALID-ORDER-788 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_4R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_LL_4L_LR_Ls^5 + C_4C_5C_LL_4R_4}$$

10.789 INVALID-ORDER-789 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L\right)$

$$H(s) = -\frac{R_L\left(C_5L_5s^2 - L_5g_ms + 1\right)\left(C_4L_4R_4s^2\right.}{2C_4C_5L_4L_5R_4R_Lg_ms^4 + C_4C_5L_4L_5R_4s^4 + 2C_4C_5L_4L_5R_Ls^4 + C_4L_4L_5R_4g_ms^3 + 2C_4L_4L_5R_Lg_ms^3 + 2C_4L_4R_4R_Lg_ms^2 + C_4L_4R_4s^2 + 2C_4L_4R_Ls^2 + 2C_5L_4L_5R_Lg_ms^3 +}$$

10.790 INVALID-ORDER-790 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{\left(C_5L_5s^2 - L_5g_ms + 1\right)\left(C_4L_4R_4s^2 + L_4\right.}{C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5s^4 + C_4C_LL_4L_5R_4g_ms^4 + C_4C_LL_4R_4s^3 + 2C_4L_4L_5g_ms^3 + 2C_4L_4R_4g_ms^2 + 2C_4L_4s^2 + C_5C_LL_4L_5s^4 + C_5C_LL_5I}$$

10.791 INVALID-ORDER-791 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_4R_Ls^5 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + C_4C_5L_4L_5R_4s^4 + 2C_4C_5L_4L_5R_Ls^4 + C_4C_LL_4L_5R_4R_Lg_ms^4 + C_4C_LL_4R_4R_Ls^3 + C_4L_4L_5R_4g_ms^3 + 2C_4L_4L_5R_Lg_ms^3 +}$$

10.792 INVALID-ORDER-792 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5s^4 + C_4C_LL_4L_5R_4g_ms^4 + 2C_4C_LL_4L_5R_Lg_ms^4 + 2C_4C_LL_4R_4}$$

10.793 INVALID-ORDER-793 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5s^4 + 2C_4C_LL_4L_5L_Lg_ms^5 + C_4C_LL_4L_5R_4g_ms^4 + 2C_4C_LL_4L_L}$$

10.794 INVALID-ORDER-794 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5L_4L_5L_LR_4g_ms^5 + 2C_4C_5L_4L_5L_Ls^5 + C_4C_5L_4L_5R_4s^4 + C_4C_LL_4L_5L_LR_4g_ms^5 + C_4C_LL_4L_LR_4s^4 + 2C_4L_4L_5L_Lg_ms^4 + C_4L_4L_5R_4g_ms^3 +}$$

10.795 INVALID-ORDER-795 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_Ls^6 + 2C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5s^4 + 2C_4C}$$

10.796 INVALID-ORDER-796 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4R_Ls^6 + 2C_4C_5L_4L_5L_LR_4R_Lg_ms^5 + C_4C_5L_4L_5L_LR_4s^5 + 2C_4C_5L_4L_5L_LR_Ls^5 + C_4C_5L_4L_5R_4R_Ls^4 + C_4C_LL_4L_5L_LR_4R_Lg_ms^5 + C_4C_LL_4L_LR_4R_Ls^4}$$

10.797 INVALID-ORDER-797 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + 2C_4C_5L_4L_5L_LR_4g_ms^5 + 2C_4C_5L_4L_5L_Ls^5 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + C_4C_5L_4L_5R_4s^4 +}$$

10.798 INVALID-ORDER-798 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + C_4C_5C_LL_4L_5R_4R_Ls^5 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + C_4C_5L_4L_5R_4s^4 + 2C_4C_5L_4L_5R_Ls^4 +$$

10.799 INVALID-ORDER-799 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_L\left(C_4L_4R_4s^2 + L_4s\right.}{C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_4R_Lg_ms^3 + C_4C_5L_4R_4s^3 + 2C_4C_5L_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_Ls^3 + C_4L_4R_4g_ms^2 + 2C_4L_4R_Lg}$$

10.800 INVALID-ORDER-800 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{\left(C_4L_4R_4s^2 + L_4\right.}{C_4C_5C_LL_4L_5R_4g_ms^5 + C_4C_5C_LL_4R_4R_5g_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_4R_4g_ms^3 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4s^3 + C_4C_LL_4R_4g_ms^3 + 2C_4L_4g_ms^2}$$

10.801 INVALID-ORDER-801 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4R_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_4R_Ls^4 + C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_4R_Lg_ms^3 + C_4C_5$$

10.802 INVALID-ORDER-802 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5R_4g_ms^5 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4R_4R_5g_ms^4 + 2C_4C_5C_LL_4R_4R_Lg_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5C_LL_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_4R_Ls^4 + 2C_4C$$

10.803 INVALID-ORDER-803 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_4g_ms^5 + 2C_4C_5C_LL_4L_LR_4g_ms^5 + 2C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_4R_4R_5g_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5$$

10.804 INVALID-ORDER-804 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4g_ms^6 + C_4C_5C_LL_4L_LR_4R_5g_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5L_4L_5L_Lg_ms^5 + C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_LR_4g_ms^4 + 2C_4C_5L_4L_LR_5g_ms^4 + 2C_4C$$

10.805 INVALID-ORDER-805 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_4g_ms^5 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_4g_ms^5 + 2C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_4R_4R_5g_ms^4 +$$

10.806 INVALID-ORDER-806 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_LR_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4R_Ls^5 + C_4C_5L_4L_5L_LR_4g_ms^5 + 2C_4C_5L_4L_5L_LR_Lg_ms^5 + C_4C_5L_4L_5R_4R_Lg_ms^4 + C_4C_5L_4L_L$$

10.807 INVALID-ORDER-807 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4L_LR_4R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_LL_4L_LR_5R_Lg_ms^5 + 2C_4C_5C$$

10.808 INVALID-ORDER-808 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s + \frac{1}{C_L s}\right)}{L_L s + R_L + \frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4L_LR_4R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_L$$

10.809 INVALID-ORDER-809 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L\right)$

$$H(s) = -\frac{}{2C_4C_5L_4L_5R_4R_5R_Lg_ms^4 + C_4C_5L_4L_5R_4R_5s^4 + 2C_4C_5L_4L_5R_5R_Ls^4 + C_4L_4L_5R_4R_5g_ms^3 + 2C_4L_4L_5R_4R_Lg_ms^3 + C_4L_4L_5R_4s^3 + 2C_4L_4L_5R_5R_Lg_ms^3 + 2C_4L_4L_5R_Ls^3}$$

10.810 INVALID-ORDER-810 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_4R_5s^5 + 2C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_5s^4 + C_4C_LL_4L_5R_4R_5g_ms^4 + C_4C_LL_4L_5R_4s^4 + C_4C_LL_4R_4R_5s^3 + 2C_4L_4L_5R_4g_ms^3 + 2C_4L_4L_5R_5g_ms^3 +$$

10.811 INVALID-ORDER-811 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_4R_5R_Ls^5 + 2C_4C_5L_4L_5R_4R_5R_Lg_ms^4 + C_4C_5L_4L_5R_4R_5s^4 + 2C_4C_5L_4L_5R_5R_Ls^4 + C_4C_LL_4L_5R_4R_5R_Lg_ms^4 + C_4C_LL_4L_5R_4R_Ls^4 + C_4C_LL_4R_4R_5R_Ls^3 +$$

10.812 INVALID-ORDER-812 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s + \frac{1}{R_5} + \frac{1}{L_5 s}},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5R_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4R_5s^5 + 2C_4C_5C_LL_4L_5R_5R_Ls^5 + 2C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_5s^4 + C_4C_LL_4L_5R_4R_5g_ms^4 + 2C_4C_LL_4L_5R_4R_L$$

10.813 INVALID-ORDER-813 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_5s^6 + C_4C_5C_LL_4L_5R_4R_5s^5 + 2C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_5s^4 + 2C_4C_LL_4L_5L_LR_4g_ms^5 + 2C_4C_LL_4L_5L_LR_5$$

10.814 INVALID-ORDER-814 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4R_5s^6 + 2C_4C_5L_4L_5L_LR_4R_5g_ms^5 + 2C_4C_5L_4L_5L_LR_5s^5 + C_4C_5L_4L_5R_4R_5s^4 + C_4C_LL_4L_5L_LR_4R_5g_ms^5 + C_4C_LL_4L_5L_LR_4s^5 + C_4C_LL_4L_LR_4R_5s^4 +$$

10.815 INVALID-ORDER-815 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_5s^6 + 2C_4C_5C_LL_4L_5R_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4R_5s^5 + 2C_4C_5C_LL_4L_5R_5R_Ls^5 + 2C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C$$

10.816 INVALID-ORDER-816 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4R_5R_Ls^6 + 2C_4C_5L_4L_5L_LR_4R_5R_Lg_ms^5 + C_4C_5L_4L_5L_LR_4R_5s^5 + 2C_4C_5L_4L_5L_LR_5R_Ls^5 + C_4C_5L_4L_5R_4R_5R_Ls^4 + C_4C_LL_4L_5L_LR_4R_5R_Lg_ms^5 + C_4$$

10.817 INVALID-ORDER-817 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4R_5s^6 + 2C_4C_5C_LL_4L_5L_LR_5R_Ls^6 + 2C_4C_5L_4L_5L_LR_4R_5g_ms^5 + 2C_4C_5L_4L_5L_LR_5s^5 + 2C_4C_5L_4L_5R_4R_5R_Lg_ms^4 +$$

10.818 INVALID-ORDER-818 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4R_5s^6 + 2C_4C_5C_LL_4L_5L_LR_5R_Ls^6 + C_4C_5C_LL_4L_5R_4R_5R_Ls^5 + 2C_4C_5L_4L_5R_4R_5R_Lg_ms^4 + C_4C_5L_4L_5R_4R_5s^4 + 2C}$$

10.819 INVALID-ORDER-819 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ R_L\right)$

$$H(s) = \frac{}{C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + C_4C_5L_4L_5R_4s^4 + 2C_4C_5L_4L_5R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_Ls^4 + C_4L_4L_5R_4g_ms^3 + 2C_4L_4L_5R_Lg_ms^3 + C_4L_4R_4R_5g_ms^2 +}$$

10.820 INVALID-ORDER-820 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5R_4R_5g_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5s^4 + C_4C_LL_4L_5R_4g_ms^4 + C_4C_LL_4R_4R_5g_ms^3 + C_4C_LL_4R_4s^3 + 2}$$

10.821 INVALID-ORDER-821 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5R_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4R_Ls^5 + C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + C_4C_5L_4L_5R_4s^4 + 2C_4C_5L_4L_5R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_Ls^4 + C_4}$$

10.822 INVALID-ORDER-822 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5R_4R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5R_5g_ms^4}$$

10.823 INVALID-ORDER-823 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_4L_5R_4R_5g_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5R_5g_ms^4}$$

10.824 INVALID-ORDER-824 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5L_4L_5L_LR_4g_ms^5 + 2C_4C_5L_4L_5L_LR_5g_ms^5 + 2C_4C_5L_4L_5L_Ls^5 + C_4C_5L_4L_5R_4R_5g_ms^4 + C_4C_5L_4L_5R_4s^4 + C_4C}$$

10.825 INVALID-ORDER-825 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_4L_5R_4R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5C_LL_4L_}$$

10.826 INVALID-ORDER-826 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{1}{C_L s + \frac{1}{R_L} + \frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4R_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4R_Ls^6 + C_4C_5L_4L_5L_LR_4R_5g_ms^5 + 2C_4C_5L_4L_5L_LR_4R_Lg_ms^5 + C_4C_5L_4L_5L_LR_4s^5 + 2C_4C_5L_4L_5L_LR_5R_Lg_ms^5 + 2C_4C}$$

10.827 INVALID-ORDER-827 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + 2C_4C_5L_4L_5L_LR_4g_ms^5 + 2C}$$

10.828 INVALID-ORDER-828 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{L_5 s}{C_5 L_5 s^2+1} + R_5,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + C_4C_5C_LL_4L_5R_4R_5R_Lg_ms^5}$$

10.829 INVALID-ORDER-829 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L\right)$

$$H(s) = -\frac{}{C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + C_4C_5L_4L_5R_4s^4 + 2C_4C_5L_4L_5R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_Ls^4 + 2C_4C_5L_4R_4R_5R_Lg_ms^3 + C_4C_5L_4R_4R_5s^3 + 2C_4C_5L_4R_}$$

10.830 INVALID-ORDER-830 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_4R_5g_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + C_4C_5C_LL_4R_4R_5s^4 + 2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5s^4 + 2C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_5s^3}$$

10.831 INVALID-ORDER-831 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4R_Ls^5 + C_4C_5C_LL_4R_4R_5R_Ls^4 + C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + C_4C_5L_4L_5R_4s^4 + 2C_4C_5L_4L_5R_5R_Lg_ms}$$

10.832 INVALID-ORDER-832 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_4R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5C_LL_4R_4R_5R_Lg_ms^4 + C_4C_5C_LL_4$$

10.833 INVALID-ORDER-833 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_4L_5R_4R_5g_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4$$

10.834 INVALID-ORDER-834 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + C_4C_5C_LL_4L_LR_4R_5s^5 + 2C_4C_5L_4L_5L_LR_4g_ms^5 + 2C_4C_5L_4L_5L_LR_5g_ms^5 + 2C_4C_5L_4L_5L_Ls^5 + C_4C_5L_4L_5R_4R_5g_ms$$

10.835 INVALID-ORDER-835 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_4L_5R_4R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5C_LL_4$$

10.836 INVALID-ORDER-836 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4R_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4R_Ls^6 + C_4C_5C_LL_4L_LR_4R_5R_Ls^5 + C_4C_5L_4L_5L_LR_4R_5g_ms^5 + 2C_4C_5L_4L_5L_LR_4R_Lg_ms^5 + C_4C_5L_4L_5L_LR_4s^5 + 2C_4$$

10.837 INVALID-ORDER-837 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + 2C_4C_5C_LL_4L_LR_4R_5R_Lg_m$$

10.838 INVALID-ORDER-838 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{L_4 s}{C_4 L_4 s^2+1} + R_4,\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + C_4C_5C_LL_4L_5R_4R_5R_Lg_m}$$

10.839 INVALID-ORDER-839 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(R_5 g_m - 1\right)\left(C_4 L_4 s^2 + 1\right)}{C_4C_LL_4R_4R_5g_ms^3 + C_4C_LL_4R_4s^3 + 2C_4L_4R_4g_ms^2 + 2C_4L_4R_5g_ms^2 + 2C_4L_4s^2 + 2C_4R_4R_5g_ms + 2C_4R_4s + C_LR_4R_5g_ms + C_LR_4s + 2R_4g_m + 2R_5g_m + 2}$$

10.840 INVALID-ORDER-840 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{R_4R_L\left(R_5 g_m - 1\right)\left(C_4 L_4 s^2 + 1\right)}{C_4C_LL_4R_4R_5R_Lg_ms^3 + C_4C_LL_4R_4R_Ls^3 + C_4L_4R_4R_5g_ms^2 + 2C_4L_4R_4R_Lg_ms^2 + C_4L_4R_4s^2 + 2C_4L_4R_5R_Lg_ms^2 + 2C_4L_4R_Ls^2 + 2C_4R_4R_5R_Lg_ms + 2C_4R_4R_Ls + C_LR_4}$$

10.841 INVALID-ORDER-841 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(R_5 g_m - 1\right)\left(C_4 L_4 s^2 + 1\right)\left(C_L R_L s -}{C_4C_LL_4R_4R_5g_ms^3 + 2C_4C_LL_4R_4R_Lg_ms^3 + C_4C_LL_4R_4s^3 + 2C_4C_LL_4R_5R_Lg_ms^3 + 2C_4C_LL_4R_Ls^3 + 2C_4C_LR_4R_5R_Lg_ms^2 + 2C_4C_LR_4R_Ls^2 + 2C_4L_4R_4g_ms^2 + 2C_4L_4R_5g}$$

10.842 INVALID-ORDER-842 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ L_L s+\frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4\left(R_5 g_m - 1\right)\left(C_4 L_4 s^2 + 1\right)\left(C_L L_L s^2}{2C_4C_LL_4L_LR_4g_ms^4 + 2C_4C_LL_4L_LR_5g_ms^4 + 2C_4C_LL_4L_Ls^4 + C_4C_LL_4R_4R_5g_ms^3 + C_4C_LL_4R_4s^3 + 2C_4C_LL_LR_4R_5g_ms^3 + 2C_4C_LL_LR_4s^3 + 2C_4L_4R_4g_ms^2 + 2C_4L_4R_5g_m}$$

10.843 INVALID-ORDER-843 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{L_L R_4 s\left(R_5 g_m - 1\right)\left(C_4 L_4 s^2 + 1\right)}{C_4 C_L L_4 L_L R_4 R_5 g_m s^4 + C_4 C_L L_4 L_L R_4 s^4 + 2C_4 L_4 L_L R_4 g_m s^3 + 2C_4 L_4 L_L R_5 g_m s^3 + 2C_4 L_4 L_L s^3 + C_4 L_4 R_4 R_5 g_m s^2 + C_4 L_4 R_4 s^2 + 2C_4 L_L R_4 R_5 g_m s^2 + 2C_4 L_L R_4 s^2 + C_L L_L$$

10.844 INVALID-ORDER-844 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4 C_L L_4 L_L R_4 g_m s^4 + 2C_4 C_L L_4 L_L R_5 g_m s^4 + 2C_4 C_L L_4 L_L s^4 + C_4 C_L L_4 R_4 R_5 g_m s^3 + 2C_4 C_L L_4 R_4 R_L g_m s^3 + C_4 C_L L_4 R_4 s^3 + 2C_4 C_L L_4 R_5 R_L g_m s^3 + 2C_4 C_L L_4 R_L s^3 + 2C_4 C$$

10.845 INVALID-ORDER-845 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{L_L R_4 R_I}{C_4 C_L L_4 L_L R_4 R_5 R_L g_m s^4 + C_4 C_L L_4 L_L R_4 R_L s^4 + C_4 L_4 L_L R_4 R_5 g_m s^3 + 2C_4 L_4 L_L R_4 R_L g_m s^3 + C_4 L_4 L_L R_4 s^3 + 2C_4 L_4 L_L R_5 R_L g_m s^3 + 2C_4 L_4 L_L R_L s^3 + C_4 L_4 R_4 R_5 R_L g_m s^2}$$

10.846 INVALID-ORDER-846 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = \frac{}{C_4 C_L L_4 L_L R_4 R_5 g_m s^4 + 2C_4 C_L L_4 L_L R_4 R_L g_m s^4 + C_4 C_L L_4 L_L R_4 s^4 + 2C_4 C_L L_4 L_L R_5 R_L g_m s^4 + 2C_4 C_L L_4 L_L R_L s^4 + 2C_4 C_L L_L R_4 R_5 R_L g_m s^3 + 2C_4 C_L L_L R_4 R_L s^3 + 2C_4 L_4$$

10.847 INVALID-ORDER-847 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4 C_L L_4 L_L R_4 R_5 g_m s^4 + 2C_4 C_L L_4 L_L R_4 R_L g_m s^4 + C_4 C_L L_4 L_L R_4 s^4 + 2C_4 C_L L_4 L_L R_5 R_L g_m s^4 + 2C_4 C_L L_4 L_L R_L s^4 + C_4 C_L L_4 R_4 R_5 R_L g_m s^3 + C_4 C_L L_4 R_4 R_L s^3 + 2C_4 C_L L_L$$

10.848 INVALID-ORDER-848 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = -\frac{R_4 R_L \left(C_5 s - g_m\right)\left(C_4 L_4 s^2+1\right)}{2C_4C_5L_4R_4R_Lg_ms^3 + C_4C_5L_4R_4s^3 + 2C_4C_5L_4R_Ls^3 + 2C_4C_5R_4R_Ls^2 + C_4L_4R_4g_ms^2 + 2C_4L_4R_Lg_ms^2 + 2C_4R_4R_Lg_ms + 2C_5R_4R_Lg_ms + C_5R_4s + 2C_5R_Ls + R_4g_m +$$

10.849 INVALID-ORDER-849 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4 \left(C_5 s - g_m\right)\left(C_4 L_4 s^2+1\right)}{C_4C_5C_LL_4R_4s^4 + 2C_4C_5L_4R_4g_ms^3 + 2C_4C_5L_4s^3 + 2C_4C_5R_4s^2 + C_4C_LL_4R_4g_ms^3 + 2C_4L_4g_ms^2 + 2C_4R_4g_ms + C_5C_LR_4s^2 + 2C_5R_4g_ms + 2C_5s + C_LR_4g_ms + 2g_m}$$

10.850 INVALID-ORDER-850 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{R_4 R_L \left(C_5 s - g_m\right)\left(C_4 L_4 s^2+1\right)}{C_4C_5C_LL_4R_4R_Ls^4 + 2C_4C_5L_4R_4R_Lg_ms^3 + C_4C_5L_4R_4s^3 + 2C_4C_5L_4R_Ls^3 + 2C_4C_5R_4R_Ls^2 + C_4C_LL_4R_4R_Lg_ms^3 + C_4L_4R_4g_ms^2 + 2C_4L_4R_Lg_ms^2 + 2C_4R_4R_Lg_ms + C$$

10.851 INVALID-ORDER-851 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4 \left(C_5 s - g_m\right)\left(C_4 L_4 s^2+1\right)}{2C_4C_5C_LL_4R_4R_Lg_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5C_LL_4R_Ls^4 + 2C_4C_5C_LR_4R_Ls^3 + 2C_4C_5L_4R_4g_ms^3 + 2C_4C_5L_4s^3 + 2C_4C_5R_4s^2 + C_4C_LL_4R_4g_ms^3 + 2C_4C_LL_4R_Lg_ms$$

10.852 INVALID-ORDER-852 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ L_L s+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4 \left(C_5 s - g_m\right)\left(C_4 L_4 s^2+1\right)}{2C_4C_5C_LL_4L_LR_4g_ms^5 + 2C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5C_LL_LR_4s^4 + 2C_4C_5L_4R_4g_ms^3 + 2C_4C_5L_4s^3 + 2C_4C_5R_4s^2 + 2C_4C_LL_4L_Lg_ms^4 + C_4C_LL_4R_4g_ms$$

10.853 INVALID-ORDER-853 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{L_L R_4 s\left(C_5 s - g_m\right)\left(C_4 L_4 s^2+1\right)}{C_4 C_5 C_L L_4 L_L R_4 s^5 + 2C_4 C_5 L_4 L_L R_4 g_m s^4 + 2C_4 C_5 L_4 L_L s^4 + C_4 C_5 L_4 R_4 s^3 + 2C_4 C_5 L_L R_4 s^3 + C_4 C_L L_4 L_L R_4 g_m s^4 + 2C_4 L_4 L_L g_m s^3 + C_4 L_4 R_4 g_m s^2 + 2C_4 L_L R_4 g_m s^2 + C}$$

10.854 INVALID-ORDER-854 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4 C_5 C_L L_4 L_L R_4 g_m s^5 + 2C_4 C_5 C_L L_4 L_L s^5 + 2C_4 C_5 C_L L_4 R_4 R_L g_m s^4 + C_4 C_5 C_L L_4 R_4 s^4 + 2C_4 C_5 C_L L_4 R_L s^4 + 2C_4 C_5 C_L L_L R_4 s^4 + 2C_4 C_5 C_L R_4 R_L s^3 + 2C_4 C_5 L_4 R_4 g_m s^3}$$

10.855 INVALID-ORDER-855 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = -\frac{L_}{C_4 C_5 C_L L_4 L_L R_4 R_L s^5 + 2C_4 C_5 L_4 L_L R_4 R_L g_m s^4 + C_4 C_5 L_4 L_L R_4 s^4 + 2C_4 C_5 L_4 L_L R_L s^4 + C_4 C_5 L_4 R_4 R_L s^3 + 2C_4 C_5 L_L R_4 R_L s^3 + C_4 C_L L_4 L_L R_4 R_L g_m s^4 + C_4 L_4 L_L R_4 g_m s}$$

10.856 INVALID-ORDER-856 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4 C_5 C_L L_4 L_L R_4 R_L g_m s^5 + C_4 C_5 C_L L_4 L_L R_4 s^5 + 2C_4 C_5 C_L L_4 L_L R_L s^5 + 2C_4 C_5 C_L L_L R_4 R_L s^4 + 2C_4 C_5 L_4 L_L R_4 g_m s^4 + 2C_4 C_5 L_4 L_L s^4 + 2C_4 C_5 L_4 R_4 R_L g_m s^3 + C_4 C_5 L_4}$$

10.857 INVALID-ORDER-857 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4 C_5 C_L L_4 L_L R_4 R_L g_m s^5 + C_4 C_5 C_L L_4 L_L R_4 s^5 + 2C_4 C_5 C_L L_4 L_L R_L s^5 + C_4 C_5 C_L L_4 R_4 R_L s^4 + 2C_4 C_5 C_L L_L R_4 R_L s^4 + 2C_4 C_5 L_4 R_4 R_L g_m s^3 + C_4 C_5 L_4 R_4 s^3 + 2C_4 C_5 L_4 R}$$

10.858 INVALID-ORDER-858 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ R_L\right)$

$$H(s) = -\frac{R_4 R_L \left(C_4 L_4 s^2+1\right)\left(C_5 R_5 s - R_5 g_m + 1\right)}{2C_4C_5L_4R_4R_5R_L g_m s^3 + C_4C_5L_4R_4R_5 s^3 + 2C_4C_5L_4R_5R_L s^3 + 2C_4C_5R_4R_5R_L s^2 + C_4L_4R_4R_5 g_m s^2 + 2C_4L_4R_4R_L g_m s^2 + C_4L_4R_4 s^2 + 2C_4L_4R_5R_L g_m s^2 + 2C_4L_4R_L s^2}$$

10.859 INVALID-ORDER-859 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4\left(C_4 L_4 s^2+1\right)\left(C_5 R_5 s - R_5 g_m + 1\right)}{C_4C_5C_LL_4R_4R_5 s^4 + 2C_4C_5L_4R_4R_5 g_m s^3 + 2C_4C_5L_4R_4R_5 s^3 + 2C_4C_5R_4R_5 s^2 + C_4C_LL_4R_4R_5 g_m s^3 + C_4C_LL_4R_4 s^3 + 2C_4L_4R_4 g_m s^2 + 2C_4L_4R_5 g_m s^2 + 2C_4L_4 s^2 + 2C_4R_4}$$

10.860 INVALID-ORDER-860 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4R_4R_5R_L s^4 + 2C_4C_5L_4R_4R_5R_L g_m s^3 + C_4C_5L_4R_4R_5 s^3 + 2C_4C_5L_4R_5R_L s^3 + 2C_4C_5R_4R_5R_L s^2 + C_4C_LL_4R_4R_5R_L g_m s^3 + C_4C_LL_4R_4R_L s^3 + C_4L_4R_4R_5 g_m s^2}$$

10.861 INVALID-ORDER-861 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4R_4R_5R_L g_m s^4 + C_4C_5C_LL_4R_4R_5 s^4 + 2C_4C_5C_LL_4R_5R_L s^4 + 2C_4C_5C_LR_4R_5R_L s^3 + 2C_4C_5L_4R_4R_5 g_m s^3 + 2C_4C_5L_4R_5 s^3 + 2C_4C_5R_4R_5 s^2 + C_4C_LL_4R_4R_5 g_m}$$

10.862 INVALID-ORDER-862 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_4R_5 g_m s^5 + 2C_4C_5C_LL_4L_LR_5 s^5 + C_4C_5C_LL_4R_4R_5 s^4 + 2C_4C_5C_LL_LR_4R_5 s^4 + 2C_4C_5L_4R_4R_5 g_m s^3 + 2C_4C_5L_4R_5 s^3 + 2C_4C_5R_4R_5 s^2 + 2C_4C_LL_4L_LR_4 g}$$

10.863 INVALID-ORDER-863 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_LR_4R_5s^5 + 2C_4C_5L_4L_LR_4R_5g_ms^4 + 2C_4C_5L_4L_LR_5s^4 + C_4C_5L_4R_4R_5s^3 + 2C_4C_5L_LR_4R_5s^3 + C_4C_LL_4L_LR_4R_5g_ms^4 + C_4C_LL_4L_LR_4s^4 + 2C_4L_4L_LR_4g_ms^$$

10.864 INVALID-ORDER-864 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4L_LR_5s^5 + 2C_4C_5C_LL_4R_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_4R_5s^4 + 2C_4C_5C_LL_4R_5R_Ls^4 + 2C_4C_5C_LL_LR_4R_5s^4 + 2C_4C_5C_LR_4R_5R_Ls^3$$

10.865 INVALID-ORDER-865 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_LR_4R_5R_Ls^5 + 2C_4C_5L_4L_LR_4R_5R_Lg_ms^4 + C_4C_5L_4L_LR_4R_5s^4 + 2C_4C_5L_4L_LR_5R_Ls^4 + C_4C_5L_4R_4R_5R_Ls^3 + 2C_4C_5L_LR_4R_5R_Ls^3 + C_4C_LL_4L_LR_4R_5R_Lg_m$$

10.866 INVALID-ORDER-866 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4R_5s^5 + 2C_4C_5C_LL_4L_LR_5R_Ls^5 + 2C_4C_5C_LL_LR_4R_5R_Ls^4 + 2C_4C_5L_4L_LR_4R_5g_ms^4 + 2C_4C_5L_4L_LR_5s^4 + 2C_4C_5L_4R_4R_5$$

10.867 INVALID-ORDER-867 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_LR_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4R_5s^5 + 2C_4C_5C_LL_4L_LR_5R_Ls^5 + C_4C_5C_LL_4R_4R_5R_Ls^4 + 2C_4C_5C_LL_LR_4R_5R_Ls^4 + 2C_4C_5L_4R_4R_5R_Lg_ms^3 + C_4C_5L_4R$$

10.868 INVALID-ORDER-868 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_4 R_L \left(C_4 L_4 s^2+1\right)\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{C_4 C_5 L_4 R_4 R_5 g_m s^3 + 2C_4 C_5 L_4 R_4 R_L g_m s^3 + C_4 C_5 L_4 R_4 s^3 + 2C_4 C_5 L_4 R_5 R_L g_m s^3 + 2C_4 C_5 L_4 R_L s^3 + 2C_4 C_5 R_4 R_5 R_L g_m s^2 + 2C_4 C_5 R_4 R_L s^2 + C_4 L_4 R_4 g_m s^2 + 2C_4 L_4 R_L g_m s^2}$$

10.869 INVALID-ORDER-869 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(C_4 L_4 s^2+1\right)\left(C_5 R_5 g_m s - C_5 s + g_m\right)}{C_4 C_5 C_L L_4 R_4 R_5 g_m s^4 + C_4 C_5 C_L L_4 R_4 s^4 + 2C_4 C_5 L_4 R_4 g_m s^3 + 2C_4 C_5 L_4 R_5 g_m s^3 + 2C_4 C_5 L_4 s^3 + 2C_4 C_5 R_4 R_5 g_m s^2 + 2C_4 C_5 R_4 s^2 + C_4 C_L L_4 R_4 g_m s^3 + 2C_4 L_4 g_m s^2 + 2C_4 R_4}$$

10.870 INVALID-ORDER-870 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{}{C_4 C_5 C_L L_4 R_4 R_5 R_L g_m s^4 + C_4 C_5 C_L L_4 R_4 R_L s^4 + C_4 C_5 L_4 R_4 R_5 g_m s^3 + 2C_4 C_5 L_4 R_4 R_L g_m s^3 + C_4 C_5 L_4 R_4 s^3 + 2C_4 C_5 L_4 R_5 R_L g_m s^3 + 2C_4 C_5 L_4 R_L s^3 + 2C_4 C_5 R_4 R_5 R_L g_m s^2}$$

10.871 INVALID-ORDER-871 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = \frac{}{C_4 C_5 C_L L_4 R_4 R_5 g_m s^4 + 2C_4 C_5 C_L L_4 R_4 R_L g_m s^4 + C_4 C_5 C_L L_4 R_4 s^4 + 2C_4 C_5 C_L L_4 R_5 R_L g_m s^4 + 2C_4 C_5 C_L L_4 R_L s^4 + 2C_4 C_5 C_L R_4 R_5 R_L g_m s^3 + 2C_4 C_5 C_L R_4 R_L s^3 + 2C_4 C_5 L_4}$$

10.872 INVALID-ORDER-872 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ L_L s+\frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4 C_5 C_L L_4 L_L R_4 g_m s^5 + 2C_4 C_5 C_L L_4 L_L R_5 g_m s^5 + 2C_4 C_5 C_L L_4 L_L s^5 + C_4 C_5 C_L L_4 R_4 R_5 g_m s^4 + C_4 C_5 C_L L_4 R_4 s^4 + 2C_4 C_5 C_L L_L R_4 R_5 g_m s^4 + 2C_4 C_5 C_L L_L R_4 s^4 + 2C_4 C_5 L_4}$$

10.873 INVALID-ORDER-873 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_LR_4R_5g_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5L_4L_LR_4g_ms^4 + 2C_4C_5L_4L_LR_5g_ms^4 + 2C_4C_5L_4L_Ls^4 + C_4C_5L_4R_4R_5g_ms^3 + C_4C_5L_4R_4s^3 + 2C_4C_5L_LR_4R_5g_ms^3 +$$

10.874 INVALID-ORDER-874 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ L_L s+R_L+\frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_LR_4g_ms^5 + 2C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_4R_4R_5g_ms^4 + 2C_4C_5C_LL_4R_4R_Lg_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5C_LL_4R_5R_Lg_ms^4 + 2C_4$$

10.875 INVALID-ORDER-875 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_LR_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4R_Ls^5 + C_4C_5L_4L_LR_4R_5g_ms^4 + 2C_4C_5L_4L_LR_4R_Lg_ms^4 + C_4C_5L_4L_LR_4s^4 + 2C_4C_5L_4L_LR_5R_Lg_ms^4 + 2C_4C_5L_4L_LR_Ls^4 +$$

10.876 INVALID-ORDER-876 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4L_LR_4R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_LL_4L_LR_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_Ls^5 + 2C_4C_5C_LL_LR_4R_5R_Lg_ms^4 + 2C_4C_5C_LL$$

10.877 INVALID-ORDER-877 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ R_5+\frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4L_LR_4R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_LL_4L_LR_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_Ls^5 + C_4C_5C_LL_4R_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R$$

10.878 INVALID-ORDER-878 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_4 R_L \left(C_4 L_4 s^2+1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{C_4 C_5 L_4 L_5 R_4 g_m s^4 + 2C_4 C_5 L_4 L_5 R_L g_m s^4 + 2C_4 C_5 L_4 R_4 R_L g_m s^3 + C_4 C_5 L_4 R_4 s^3 + 2C_4 C_5 L_4 R_L s^3 + 2C_4 C_5 L_5 R_4 R_L g_m s^3 + 2C_4 C_5 R_4 R_L s^2 + C_4 L_4 R_4 g_m s^2 + 2C_4 L_4 R_L g_m s^2}$$

10.879 INVALID-ORDER-879 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(C_4 L_4 s^2+1\right)\left(C_5 L_5 g_m s^2 - C_5 s + g_m\right)}{C_4 C_5 C_L L_4 L_5 R_4 g_m s^5 + C_4 C_5 C_L L_4 R_4 s^4 + 2C_4 C_5 L_4 L_5 g_m s^4 + 2C_4 C_5 L_4 R_4 g_m s^3 + 2C_4 C_5 L_4 s^3 + 2C_4 C_5 L_5 R_4 g_m s^3 + 2C_4 C_5 R_4 s^2 + C_4 C_L L_4 R_4 g_m s^3 + 2C_4 L_4 g_m s^2 + 2C_4 R_4}$$

10.880 INVALID-ORDER-880 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{}{C_4 C_5 C_L L_4 L_5 R_4 R_L g_m s^5 + C_4 C_5 C_L L_4 R_4 R_L s^4 + C_4 C_5 L_4 L_5 R_4 g_m s^4 + 2C_4 C_5 L_4 L_5 R_L g_m s^4 + 2C_4 C_5 L_4 R_4 R_L g_m s^3 + C_4 C_5 L_4 R_4 s^3 + 2C_4 C_5 L_4 R_L s^3 + 2C_4 C_5 L_5 R_4 R_L g_m s^3 -}$$

10.881 INVALID-ORDER-881 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = \frac{}{C_4 C_5 C_L L_4 L_5 R_4 g_m s^5 + 2C_4 C_5 C_L L_4 L_5 R_L g_m s^5 + 2C_4 C_5 C_L L_4 R_4 R_L g_m s^4 + C_4 C_5 C_L L_4 R_4 s^4 + 2C_4 C_5 C_L L_4 R_L s^4 + 2C_4 C_5 C_L L_5 R_4 R_L g_m s^4 + 2C_4 C_5 C_L R_4 R_L s^3 + 2C_4 C_5 L_4}$$

10.882 INVALID-ORDER-882 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ L_L s+\frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4 C_5 C_L L_4 L_5 L_L g_m s^6 + C_4 C_5 C_L L_4 L_5 R_4 g_m s^5 + 2C_4 C_5 C_L L_4 L_L R_4 g_m s^5 + 2C_4 C_5 C_L L_4 L_L s^5 + C_4 C_5 C_L L_4 R_4 s^4 + 2C_4 C_5 C_L L_5 L_L R_4 g_m s^5 + 2C_4 C_5 C_L L_L R_4 s^4 + 2C_4 C_5 L_4 L}$$

10.883 INVALID-ORDER-883 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4g_ms^6 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5L_4L_5L_Lg_ms^5 + C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_LR_4g_ms^4 + 2C_4C_5L_4L_Ls^4 + C_4C_5L_4R_4s^3 + 2C_4C_5L_5L_LR_4g_ms^4 +}$$

10.884 INVALID-ORDER-884 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ L_L s+R_L+\frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_4g_ms^5 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_4g_ms^5 + 2C_4C_5C_LL_4L_Ls^5 + 2C_4C_5C_LL_4R_4R_Lg_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C}$$

10.885 INVALID-ORDER-885 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_LR_4R_Ls^5 + C_4C_5L_4L_5L_LR_4g_ms^5 + 2C_4C_5L_4L_5L_LR_Lg_ms^5 + C_4C_5L_4L_5R_4R_Lg_ms^4 + 2C_4C_5L_4L_LR_4R_Lg_ms^4 + C_4C_5L_4L_LR_4s^{4}}$$

10.886 INVALID-ORDER-886 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + 2C_4C_5C_LL_4L_LR_4R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_LL_4L_LR_Ls^5 + 2C_4C_5C_LL_5L_LR_4R_Lg_ms^5 + 2C_4C_5C_LL_{L}}$$

10.887 INVALID-ORDER-887 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s+\frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_4R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_LL_4L_LR_Ls^5 + C_4C_5C_LL_4R_{4}}$$

10.888 INVALID-ORDER-888 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L\right)$

$$H(s) = -\frac{R_4 R_L \left(C_4 L_4 s^2+1\right)\left(C_5 L_5 s^2 - L_5 g_m s +$$
$$2C_4C_5L_4L_5R_4R_L g_m s^4 + C_4C_5L_4L_5R_4 s^4 + 2C_4C_5L_4L_5R_L s^4 + 2C_4C_5L_5R_4R_L s^3 + C_4L_4L_5R_4 g_m s^3 + 2C_4L_4L_5R_L g_m s^3 + 2C_4L_4R_4R_L g_m s^2 + C_4L_4R_4 s^2 + 2C_4L_4R_L s^2 +$$

10.889 INVALID-ORDER-889 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{R_4 \left(C_4 L_4 s^2+1\right)\left(C_5 L_5 s^2 - L_5 g_m s + 1\right)}{C_4C_5C_LL_4L_5R_4 s^5 + 2C_4C_5L_4L_5R_4 g_m s^4 + 2C_4C_5L_4L_5 s^4 + 2C_4C_5L_5R_4 s^3 + C_4C_LL_4L_5R_4 g_m s^4 + C_4C_LL_4R_4 s^3 + 2C_4L_4L_5 g_m s^3 + 2C_4L_4R_4 g_m s^2 + 2C_4L_4 s^2 + 2C_4L_5R$$

10.890 INVALID-ORDER-890 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_4R_L s^5 + 2C_4C_5L_4L_5R_4R_L g_m s^4 + C_4C_5L_4L_5R_4 s^4 + 2C_4C_5L_4L_5R_L s^4 + 2C_4C_5L_5R_4R_L s^3 + C_4C_LL_4L_5R_4R_L g_m s^4 + C_4C_LL_4R_4R_L s^3 + C_4L_4L_5R_4 g_m s^3$$

10.891 INVALID-ORDER-891 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5R_4R_L g_m s^5 + C_4C_5C_LL_4L_5R_4 s^5 + 2C_4C_5C_LL_4L_5R_L s^5 + 2C_4C_5C_LL_5R_4R_L s^4 + 2C_4C_5L_4L_5R_4 g_m s^4 + 2C_4C_5L_4L_5 s^4 + 2C_4C_5L_5R_4 s^3 + C_4C_LL_4L_5R_4 g_m$$

10.892 INVALID-ORDER-892 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4 g_m s^6 + 2C_4C_5C_LL_4L_5L_L s^6 + C_4C_5C_LL_4L_5R_4 s^5 + 2C_4C_5C_LL_5L_LR_4 s^5 + 2C_4C_5L_4L_5R_4 g_m s^4 + 2C_4C_5L_4L_5 s^4 + 2C_4C_5L_5R_4 s^3 + 2C_4C_LL_4L_5L_L g_m$$

10.893 INVALID-ORDER-893 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5L_4L_5L_LR_4g_ms^5 + 2C_4C_5L_4L_5L_Ls^5 + C_4C_5L_4L_5R_4s^4 + 2C_4C_5L_5L_LR_4s^4 + C_4C_LL_4L_5L_LR_4g_ms^5 + C_4C_LL_4L_LR_4s^4 + 2C_4L_4L_5L_Lg_ms^4}$$

10.894 INVALID-ORDER-894 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_Ls^6 + 2C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5C_LL_5L_LR_4s^5 + 2C_4C_5C_LL_5R_4R_Ls^4 +}$$

10.895 INVALID-ORDER-895 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4R_Ls^6 + 2C_4C_5L_4L_5L_LR_4R_Lg_ms^5 + C_4C_5L_4L_5L_LR_4s^5 + 2C_4C_5L_4L_5L_LR_Ls^5 + C_4C_5L_4L_5R_4R_Ls^4 + 2C_4C_5L_5L_LR_4R_Ls^4 + C_4C_LL_4L_5L_LR_4R_Lg_ms^5}$$

10.896 INVALID-ORDER-896 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + 2C_4C_5C_LL_5L_LR_4R_Ls^5 + 2C_4C_5L_4L_5L_LR_4g_ms^5 + 2C_4C_5L_4L_5L_Ls^5 + 2C_4C_5L_4L_5R_4R}$$

10.897 INVALID-ORDER-897 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + C_4C_5C_LL_4L_5R_4R_Ls^5 + 2C_4C_5C_LL_5L_LR_4R_Ls^5 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + C_4C_5L_4L_5$$

10.898 INVALID-ORDER-898 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L\right)$

$$H(s) = \frac{R_4 R_L \left(C_4 L$$
$$C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_4R_Lg_ms^3 + C_4C_5L_4R_4s^3 + 2C_4C_5L_4R_5R_Lg_ms^3 + 2C_4C_5L_4R_Ls^3 + 2C_4C_5L_5R_4R_Lg_ms^3 + 2C_4$$

10.899 INVALID-ORDER-899 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s}\right)$

$$H(s) = \frac{R_4 \left(C_4 L_4 s^2+1\right) \left($$
$$C_4C_5C_LL_4L_5R_4g_ms^5 + C_4C_5C_LL_4R_4R_5g_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5L_4L_5g_ms^4 + 2C_4C_5L_4R_4g_ms^3 + 2C_4C_5L_4R_5g_ms^3 + 2C_4C_5L_4s^3 + 2C_4C_5L_5R_4g_ms^3 + 2C_4C_5R_4L$$

10.900 INVALID-ORDER-900 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4R_4R_5R_Lg_ms^4 + C_4C_5C_LL_4R_4R_Ls^4 + C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5R_Lg_ms^4 + C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_4R_Lg_ms^3 + C_4C_5$$

10.901 INVALID-ORDER-901 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ R_L + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{C_4C_5C_LL_4L_5R_4g_ms^5 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + C_4C_5C_LL_4R_4R_5g_ms^4 + 2C_4C_5C_LL_4R_4R_Lg_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5C_LL_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_4R_Ls^4 + 2C_4C$$

10.902 INVALID-ORDER-902 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + \frac{1}{C_L s}\right)$

$$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_4g_ms^5 + 2C_4C_5C_LL_4L_LR_4g_ms^5 + 2C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_4R_4R_5g_ms^4 + C_4C_5C_LL_4R_4s^4 + 2C_4C_5$$

10.903 INVALID-ORDER-903 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$H(s) = \frac{C_4C_5C_LL_4L_5L_LR_4g_ms^6 + C_4C_5C_LL_4L_LR_4R_5g_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5L_4L_5L_Lg_ms^5 + C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_LR_4g_ms^4 + 2C_4C_5L_4L_LR_5g_ms^4 + 2C_4C$

10.904 INVALID-ORDER-904 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$H(s) = \frac{2C_4C_5C_LL_4L_5L_Lg_ms^6 + C_4C_5C_LL_4L_5R_4g_ms^5 + 2C_4C_5C_LL_4L_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_LR_4g_ms^5 + 2C_4C_5C_LL_4L_LR_5g_ms^5 + 2C_4C_5C_LL_4L_Ls^5 + C_4C_5C_LL_4R_4R_5g_ms^4 +$

10.905 INVALID-ORDER-905 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$H(s) = \frac{C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_LR_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4R_Ls^5 + C_4C_5L_4L_5L_LR_4g_ms^5 + 2C_4C_5L_4L_5L_LR_Lg_ms^5 + C_4C_5L_4L_5R_4R_Lg_ms^4 + C_4C_5L_4L_L$

10.906 INVALID-ORDER-906 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$H(s) = \frac{C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4L_LR_4R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_LL_4L_LR_5R_Lg_ms^5 + 2C_4C_5C$

10.907 INVALID-ORDER-907 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ L_5 s + R_5 + \frac{1}{C_5 s},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$H(s) = \frac{C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Lg_ms^6 + C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4L_LR_4R_Lg_ms^5 + C_4C_5C_LL_4L_LR_4s^5 + 2C_4C_5C_L$

10.908 INVALID-ORDER-908 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ R_L\right)$

$$H(s) = -\frac{}{2C_4C_5L_4L_5R_4R_5R_Lg_ms^4 + C_4C_5L_4L_5R_4R_5s^4 + 2C_4C_5L_4L_5R_5R_Ls^4 + 2C_4C_5L_5R_4R_5R_Ls^3 + C_4L_4L_5R_4R_5g_ms^3 + 2C_4L_4L_5R_4R_Lg_ms^3 + C_4L_4L_5R_4s^3 + 2C_4L_4L_5R_5R_$$

10.909 INVALID-ORDER-909 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_4R_5s^5 + 2C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_5s^4 + 2C_4C_5L_5R_4R_5s^3 + C_4C_LL_4L_5R_4R_5g_ms^4 + C_4C_LL_4L_5R_4s^4 + C_4C_LL_4R_4R_5s^3 + 2C_4L_4L_5R_4g_ms^3 -$$

10.910 INVALID-ORDER-910 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{R_L}{C_LR_Ls+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_4R_5R_Ls^5 + 2C_4C_5L_4L_5R_4R_5R_Lg_ms^4 + C_4C_5L_4L_5R_4R_5s^4 + 2C_4C_5L_4L_5R_5R_Ls^4 + 2C_4C_5L_5R_4R_5R_Ls^3 + C_4C_LL_4L_5R_4R_5R_Lg_ms^4 + C_4C_LL_4L_5R_4R_Ls^4$$

10.911 INVALID-ORDER-911 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5R_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4R_5s^5 + 2C_4C_5C_LL_4L_5R_5R_Ls^5 + 2C_4C_5C_LL_5R_4R_5R_Ls^4 + 2C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_5s^4 + 2C_4C_5L_5R_4R_5s^3$$

10.912 INVALID-ORDER-912 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_Ls+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_5s^6 + C_4C_5C_LL_4L_5R_4R_5s^5 + 2C_4C_5C_LL_5L_LR_4R_5s^5 + 2C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_5s^4 + 2C_4C_5L_5R_4R_5s^3$$

10.913 INVALID-ORDER-913 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4R_5s^6 + 2C_4C_5L_4L_5L_LR_4R_5g_ms^5 + 2C_4C_5L_4L_5L_LR_5s^5 + C_4C_5L_4L_5R_4R_5s^4 + 2C_4C_5L_5L_LR_4R_5s^4 + C_4C_LL_4L_5L_LR_4R_5g_ms^5 + C_4C_LL_4L_5L_LR_4s^5 +$$

10.914 INVALID-ORDER-914 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_5s^6 + 2C_4C_5C_LL_4L_5R_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4R_5s^5 + 2C_4C_5C_LL_4L_5R_5R_Ls^5 + 2C_4C_5C_LL_5L_LR_4R_5s^5 + 2C_4C$$

10.915 INVALID-ORDER-915 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4R_5R_Ls^6 + 2C_4C_5L_4L_5L_LR_4R_5R_Lg_ms^5 + C_4C_5L_4L_5L_LR_4R_5s^5 + 2C_4C_5L_4L_5L_LR_5R_Ls^5 + C_4C_5L_4L_5R_4R_5R_Ls^4 + 2C_4C_5L_5L_LR_4R_5R_Ls^4 + C_4C_LL$$

10.916 INVALID-ORDER-916 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4R_5s^6 + 2C_4C_5C_LL_4L_5L_LR_5R_Ls^6 + 2C_4C_5C_LL_5L_LR_4R_5R_Ls^5 + 2C_4C_5L_4L_5L_LR_4R_5g_ms^5 + 2C_4C_5L_4L_5L_LR_5s^5 +$$

10.917 INVALID-ORDER-917 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{1}{C_5 s+\frac{1}{R_5}+\frac{1}{L_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4R_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4R_5s^6 + 2C_4C_5C_LL_4L_5L_LR_5R_Ls^6 + C_4C_5C_LL_4L_5R_4R_5R_Ls^5 + 2C_4C_5C_LL_5L_LR_4R_5R_Ls^5 + 2C_4C_5L_4L_5R_4R_5R_Lg_m$$

10.918 INVALID-ORDER-918 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ R_L\right)$

$H(s) = \frac{}{C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + C_4C_5L_4L_5R_4s^4 + 2C_4C_5L_4L_5R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_Ls^4 + 2C_4C_5L_5R_4R_5R_Lg_ms^3 + 2C_4C_5L_5R_4R_Ls^3 + C_4L_4L_5R_4g}$

10.919 INVALID-ORDER-919 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{1}{C_L s}\right)$

$H(s) = \frac{}{C_4C_5C_LL_4L_5R_4R_5g_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5s^4 + 2C_4C_5L_5R_4R_5g_ms^3 + 2C_4C_5L_5R_4s^3 + C_4C_LL_4L_5R_4g_ms^4 +}$

10.920 INVALID-ORDER-920 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{R_L}{C_L R_L s+1}\right)$

$H(s) = \frac{}{C_4C_5C_LL_4L_5R_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4R_Ls^5 + C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + C_4C_5L_4L_5R_4s^4 + 2C_4C_5L_4L_5R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_Ls^4 + 2C}$

10.921 INVALID-ORDER-921 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ R_L+\frac{1}{C_L s}\right)$

$H(s) = \frac{}{C_4C_5C_LL_4L_5R_4R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5C_LL_5R_4R_5R_Lg_ms^4 + 2C_4C_5C_LL_5F}$

10.922 INVALID-ORDER-922 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ L_L s+\frac{1}{C_L s}\right)$

$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_4L_5R_4R_5g_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5C_LL_5L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_5L$

10.923 INVALID-ORDER-923 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5L_4L_5L_LR_4g_ms^5 + 2C_4C_5L_4L_5L_LR_5g_ms^5 + 2C_4C_5L_4L_5L_Ls^5 + C_4C_5L_4L_5R_4R_5g_ms^4 + C_4C_5L_4L_5R_4s^4 + 2C_4}$

10.924 INVALID-ORDER-924 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ L_L s+R_L+\frac{1}{C_L s}\right)$

$H(s) = \frac{}{2C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_4L_5R_4R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5C_LL_4L_5}$

10.925 INVALID-ORDER-925 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4R_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4R_Ls^6 + C_4C_5L_4L_5L_LR_4R_5g_ms^5 + 2C_4C_5L_4L_5L_LR_4R_Lg_ms^5 + C_4C_5L_4L_5L_LR_4s^5 + 2C_4C_5L_4L_5L_LR_5R_Lg_ms^5 + 2C_4C}$

10.926 INVALID-ORDER-926 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{L_L s}{C_L L_L s^2+1}+R_L\right)$

$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + 2C_4C_5C_LL_5L_LR_4R_5R_Lg_ms$

10.927 INVALID-ORDER-927 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{L_5 s}{C_5 L_5 s^2+1}+R_5,\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$H(s) = \frac{}{C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + C_4C_5C_LL_4L_5R_4R_5R_Lg_ms^5$

10.928 INVALID-ORDER-928 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L\right)$

$$H(s) = -\frac{}{C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + C_4C_5L_4L_5R_4s^4 + 2C_4C_5L_4L_5R_5R_Lg_ms^4 + 2C_4C_5L_4L_5R_Ls^4 + 2C_4C_5L_4R_4R_5R_Lg_ms^3 + C_4C_5L_4R_4R_5s^3 + 2C_4C_5L_4R_}$$

10.929 INVALID-ORDER-929 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_4R_5g_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + C_4C_5C_LL_4R_4R_5s^4 + 2C_4C_5L_4L_5R_4g_ms^4 + 2C_4C_5L_4L_5R_5g_ms^4 + 2C_4C_5L_4L_5s^4 + 2C_4C_5L_4R_4R_5g_ms^3 + 2C_4C_5L_4R_5s^3}$$

10.930 INVALID-ORDER-930 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L}{C_L R_L s+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_4R_5R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4R_Ls^5 + C_4C_5C_LL_4R_4R_5R_Ls^4 + C_4C_5L_4L_5R_4R_5g_ms^4 + 2C_4C_5L_4L_5R_4R_Lg_ms^4 + C_4C_5L_4L_5R_4s^4 + 2C_4C_5L_4L_5R_5R_Lg_ms}$$

10.931 INVALID-ORDER-931 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ R_L+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5R_4R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5C_LL_4L_5R_5R_Lg_ms^5 + 2C_4C_5C_LL_4L_5R_Ls^5 + 2C_4C_5C_LL_4R_4R_5R_Lg_ms^4 + C_4C_5C_LL_4}$$

10.932 INVALID-ORDER-932 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s+\frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_4L_5R_4R_5g_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5C_LL_4L_LR_4R_5g_ms^5 + 2C_4C_5C_LL_4}$$

10.933 INVALID-ORDER-933 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + C_4C_5C_LL_4L_LR_4R_5s^5 + 2C_4C_5L_4L_5L_LR_4g_ms^5 + 2C_4C_5L_4L_5L_LR_5g_ms^5 + 2C_4C_5L_4L_5L_Ls^5 + C_4C_5L_4L_5R_4R_5g_m$$

10.934 INVALID-ORDER-934 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ L_L s + R_L + \frac{1}{C_L s}\right)$

$$H(s) = -\frac{}{2C_4C_5C_LL_4L_5L_LR_4g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_5g_ms^6 + 2C_4C_5C_LL_4L_5L_Ls^6 + C_4C_5C_LL_4L_5R_4R_5g_ms^5 + 2C_4C_5C_LL_4L_5R_4R_Lg_ms^5 + C_4C_5C_LL_4L_5R_4s^5 + 2C_4C_5C_LL_4$$

10.935 INVALID-ORDER-935 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{1}{C_L s+\frac{1}{R_L}+\frac{1}{L_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4R_5R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4R_Ls^6 + C_4C_5C_LL_4L_LR_4R_5R_Ls^5 + C_4C_5L_4L_5L_LR_4R_5g_ms^5 + 2C_4C_5L_4L_5L_LR_4R_Lg_ms^5 + C_4C_5L_4L_5L_LR_4s^5 + 2C_4$$

10.936 INVALID-ORDER-936 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{L_L s}{C_L L_L s^2+1} + R_L\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + 2C_4C_5C_LL_4L_LR_4R_5R_Lg_$$

10.937 INVALID-ORDER-937 $Z(s) = \left(\infty,\ \infty,\ \infty,\ \frac{R_4\left(L_4 s+\frac{1}{C_4 s}\right)}{L_4 s+R_4+\frac{1}{C_4 s}},\ \frac{R_5\left(L_5 s+\frac{1}{C_5 s}\right)}{L_5 s+R_5+\frac{1}{C_5 s}},\ \frac{R_L\left(L_L s+\frac{1}{C_L s}\right)}{L_L s+R_L+\frac{1}{C_L s}}\right)$

$$H(s) = -\frac{}{C_4C_5C_LL_4L_5L_LR_4R_5g_ms^6 + 2C_4C_5C_LL_4L_5L_LR_4R_Lg_ms^6 + C_4C_5C_LL_4L_5L_LR_4s^6 + 2C_4C_5C_LL_4L_5L_LR_5R_Lg_ms^6 + 2C_4C_5C_LL_4L_5L_LR_Ls^6 + C_4C_5C_LL_4L_5R_4R_5R_Lg_m$$