Filter Summary Report: VLSI,CMMF,Automated,NA,Z2,Z3,Z5,Z6

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Contents

1 Examined $H(z)$ for VLSI CMMF Automated NA Z2 Z3 Z5 Z6: $\frac{Z_2 Z_6}{Z_5}$

$$H(z) = \frac{Z_2 Z_6}{Z_5}$$

2 AP

3 BP

3.1 BP-1 $Z(s) = \left(\infty,\ R_2,\ R_3,\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_5 C_6 R_5 R_6 s^2 + s\left(C_5 R_5 + C_6 R_6\right) + 1}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}{C_5 R_5 + C_6 R_6}$
wo: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$
bandwidth: $\frac{C_5 R_5 + C_6 R_6}{C_5 C_6 R_5 R_6}$
K-LP: 0
K-HP: 0
K-BP: $\frac{C_5 R_2 R_6}{C_5 R_5 + C_6 R_6}$
Qz: None
Wz: None

3.2 BP-2 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_5 C_6 R_5 R_6 s^2 + s\left(C_5 R_5 + C_6 R_6\right) + 1}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}{C_5 R_5 + C_6 R_6}$
wo: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$
bandwidth: $\frac{C_5 R_5 + C_6 R_6}{C_5 C_6 R_5 R_6}$
K-LP: 0
K-HP: 0
K-BP: $\frac{C_5 R_2 R_6}{C_5 R_5 + C_6 R_6}$
Qz: None
Wz: None

3.3 BP-3 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_5 C_6 R_5 R_6 s^2 + s\left(C_5 R_5 + C_6 R_6\right) + 1}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}{C_5 R_5 + C_6 R_6}$
wo: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$
bandwidth: $\frac{C_5 R_5 + C_6 R_6}{C_5 C_6 R_5 R_6}$
K-LP: 0
K-HP: 0
K-BP: $\frac{C_5 R_2 R_6}{C_5 R_5 + C_6 R_6}$
Qz: None
Wz: None

3.4 BP-4 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3R_3s+1},\ \infty,\ R_5 + \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_5R_2R_6s}{C_5C_6R_5R_6s^2 + s\left(C_5R_5 + C_6R_6\right) + 1}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}{C_5R_5+C_6R_6}$
wo: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$
bandwidth: $\frac{C_5R_5+C_6R_6}{C_5C_6R_5R_6}$
K-LP: 0
K-HP: 0
K-BP: $\frac{C_5R_2R_6}{C_5R_5+C_6R_6}$
Qz: None
Wz: None

3.5 BP-5 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ \infty,\ \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_5R_2R_6s}{C_2C_6R_2R_6s^2 + s\left(C_2R_2 + C_6R_6\right) + 1}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}{C_2R_2+C_6R_6}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$
bandwidth: $\frac{C_2R_2+C_6R_6}{C_2C_6R_2R_6}$
K-LP: 0
K-HP: 0
K-BP: $\frac{C_5R_2R_6}{C_2R_2+C_6R_6}$
Qz: None
Wz: None

3.6 BP-6 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ \infty,\ R_5 + \frac{1}{C_5s},\ R_6\right)$

$$H(s) = \frac{C_5R_2R_6s}{C_2C_5R_2R_5s^2 + s\left(C_2R_2 + C_5R_5\right) + 1}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}{C_2R_2+C_5R_5}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}$
bandwidth: $\frac{C_2R_2+C_5R_5}{C_2C_5R_2R_5}$
K-LP: 0
K-HP: 0
K-BP: $\frac{C_5R_2R_6}{C_2R_2+C_5R_5}$
Qz: None
Wz: None

3.7 BP-7 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \infty,\ \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_5R_2R_6s}{C_2C_6R_2R_6s^2 + s\left(C_2R_2 + C_6R_6\right) + 1}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}{C_2R_2+C_6R_6}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$
bandwidth: $\frac{C_2R_2+C_6R_6}{C_2C_6R_2R_6}$
K-LP: 0

K-HP: 0
K-BP: $\frac{C_5 R_2 R_6}{C_2 R_2 + C_6 R_6}$
Qz: None
Wz: None

3.8 BP-8 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_2 C_5 R_2 R_5 s^2 + s\left(C_2 R_2 + C_5 R_5\right) + 1}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}{C_2 R_2 + C_5 R_5}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}$
bandwidth: $\frac{C_2 R_2 + C_5 R_5}{C_2 C_5 R_2 R_5}$
K-LP: 0
K-HP: 0
K-BP: $\frac{C_5 R_2 R_6}{C_2 R_2 + C_5 R_5}$
Qz: None
Wz: None

3.9 BP-9 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_2 C_6 R_2 R_6 s^2 + s\left(C_2 R_2 + C_6 R_6\right) + 1}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}{C_2 R_2 + C_6 R_6}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$
bandwidth: $\frac{C_2 R_2 + C_6 R_6}{C_2 C_6 R_2 R_6}$
K-LP: 0
K-HP: 0
K-BP: $\frac{C_5 R_2 R_6}{C_2 R_2 + C_6 R_6}$
Qz: None
Wz: None

3.10 BP-10 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_2 C_5 R_2 R_5 s^2 + s\left(C_2 R_2 + C_5 R_5\right) + 1}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}{C_2 R_2 + C_5 R_5}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}$
bandwidth: $\frac{C_2 R_2 + C_5 R_5}{C_2 C_5 R_2 R_5}$
K-LP: 0
K-HP: 0
K-BP: $\frac{C_5 R_2 R_6}{C_2 R_2 + C_5 R_5}$
Qz: None
Wz: None

3.11 BP-11 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \infty,\ \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_5R_2R_6s}{C_2C_6R_2R_6s^2 + s\left(C_2R_2 + C_6R_6\right) + 1}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}{C_2R_2+C_6R_6}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$
bandwidth: $\frac{C_2R_2+C_6R_6}{C_2C_6R_2R_6}$
K-LP: 0
K-HP: 0
K-BP: $\frac{C_5R_2R_6}{C_2R_2+C_6R_6}$
Qz: None
Wz: None

3.12 BP-12 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \infty,\ R_5 + \frac{1}{C_5s},\ R_6\right)$

$$H(s) = \frac{C_5R_2R_6s}{C_2C_5R_2R_5s^2 + s\left(C_2R_2 + C_5R_5\right) + 1}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}{C_2R_2+C_5R_5}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}$
bandwidth: $\frac{C_2R_2+C_5R_5}{C_2C_5R_2R_5}$
K-LP: 0
K-HP: 0
K-BP: $\frac{C_5R_2R_6}{C_2R_2+C_5R_5}$
Qz: None
Wz: None

4 BP-UNSTABLE-ZERO

5 BS

6 GE

7 HP

8 LP

8.1 LP-1 $Z(s) = \left(\infty,\ \frac{1}{C_2s},\ R_3,\ \infty,\ R_5 + \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_5R_6}{C_2C_5C_6R_5R_6s^2 + C_2 + s\left(C_2C_5R_5 + C_2C_6R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}{C_5R_5+C_6R_6}$
wo: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$
bandwidth: $\frac{C_5R_5+C_6R_6}{C_5C_6R_5R_6}$
K-LP: $\frac{C_5R_6}{C_2}$

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

8.2 LP-2 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_6}{C_2 C_5 C_6 R_5 R_6 s^2 + C_2 + s\left(C_2 C_5 R_5 + C_2 C_6 R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}{C_5 R_5 + C_6 R_6}$
wo: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$
bandwidth: $\frac{C_5 R_5 + C_6 R_6}{C_5 C_6 R_5 R_6}$
K-LP: $\frac{C_5 R_6}{C_2}$
K-HP: 0
K-BP: 0
Qz: None
Wz: None

8.3 LP-3 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_6}{C_2 C_5 C_6 R_5 R_6 s^2 + C_2 + s\left(C_2 C_5 R_5 + C_2 C_6 R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}{C_5 R_5 + C_6 R_6}$
wo: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$
bandwidth: $\frac{C_5 R_5 + C_6 R_6}{C_5 C_6 R_5 R_6}$
K-LP: $\frac{C_5 R_6}{C_2}$
K-HP: 0
K-BP: 0
Qz: None
Wz: None

8.4 LP-4 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_6}{C_2 C_5 C_6 R_5 R_6 s^2 + C_2 + s\left(C_2 C_5 R_5 + C_2 C_6 R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}{C_5 R_5 + C_6 R_6}$
wo: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$
bandwidth: $\frac{C_5 R_5 + C_6 R_6}{C_5 C_6 R_5 R_6}$
K-LP: $\frac{C_5 R_6}{C_2}$
K-HP: 0
K-BP: 0
Qz: None
Wz: None

8.5 LP-5 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ \infty,\ R_5,\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{R_2R_6}{C_2C_6R_2R_5R_6s^2 + R_5 + s\left(C_2R_2R_5 + C_6R_5R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}{C_2R_2+C_6R_6}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$
bandwidth: $\frac{C_2R_2+C_6R_6}{C_2C_6R_2R_6}$
K-LP: $\frac{R_2R_6}{R_5}$
K-HP: 0
K-BP: 0
Qz: None
Wz: None

8.6 LP-6 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ \infty,\ R_5 + \frac{1}{C_5s},\ \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5R_2}{C_2C_5C_6R_2R_5s^2 + C_6 + s\left(C_2C_6R_2 + C_5C_6R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}{C_2R_2+C_5R_5}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}$
bandwidth: $\frac{C_2R_2+C_5R_5}{C_2C_5R_2R_5}$
K-LP: $\frac{C_5R_2}{C_6}$
K-HP: 0
K-BP: 0
Qz: None
Wz: None

8.7 LP-7 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \infty,\ R_5,\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{R_2R_6}{C_2C_6R_2R_5R_6s^2 + R_5 + s\left(C_2R_2R_5 + C_6R_5R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}{C_2R_2+C_6R_6}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$
bandwidth: $\frac{C_2R_2+C_6R_6}{C_2C_6R_2R_6}$
K-LP: $\frac{R_2R_6}{R_5}$
K-HP: 0
K-BP: 0
Qz: None
Wz: None

8.8 LP-8 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \infty,\ R_5 + \frac{1}{C_5s},\ \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5R_2}{C_2C_5C_6R_2R_5s^2 + C_6 + s\left(C_2C_6R_2 + C_5C_6R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}{C_2R_2+C_5R_5}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}$
bandwidth: $\frac{C_2R_2+C_5R_5}{C_2C_5R_2R_5}$
K-LP: $\frac{C_5R_2}{C_6}$

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

8.9 LP-9 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3+\frac{1}{C_3s},\ \infty,\ R_5,\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{R_2R_6}{C_2C_6R_2R_5R_6s^2 + R_5 + s\left(C_2R_2R_5 + C_6R_5R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}{C_2R_2+C_6R_6}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$
bandwidth: $\frac{C_2R_2+C_6R_6}{C_2C_6R_2R_6}$
K-LP: $\frac{R_2R_6}{R_5}$
K-HP: 0
K-BP: 0
Qz: None
Wz: None

8.10 LP-10 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3+\frac{1}{C_3s},\ \infty,\ R_5+\frac{1}{C_5s},\ \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5R_2}{C_2C_5C_6R_2R_5s^2 + C_6 + s\left(C_2C_6R_2 + C_5C_6R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}{C_2R_2+C_5R_5}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}$
bandwidth: $\frac{C_2R_2+C_5R_5}{C_2C_5R_2R_5}$
K-LP: $\frac{C_5R_2}{C_6}$
K-HP: 0
K-BP: 0
Qz: None
Wz: None

8.11 LP-11 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \infty,\ R_5,\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{R_2R_6}{C_2C_6R_2R_5R_6s^2 + R_5 + s\left(C_2R_2R_5 + C_6R_5R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}{C_2R_2+C_6R_6}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$
bandwidth: $\frac{C_2R_2+C_6R_6}{C_2C_6R_2R_6}$
K-LP: $\frac{R_2R_6}{R_5}$
K-HP: 0
K-BP: 0
Qz: None
Wz: None

8.12 LP-12 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \infty,\ R_5+\frac{1}{C_5s},\ \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5R_2}{C_2C_5C_6R_2R_5s^2 + C_6 + s\left(C_2C_6R_2 + C_5C_6R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}{C_2R_2+C_5R_5}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}$
bandwidth: $\frac{C_2R_2+C_5R_5}{C_2C_5R_2R_5}$
K-LP: $\frac{C_5R_2}{C_6}$
K-HP: 0
K-BP: 0
Qz: None
Wz: None

9 X-INVALID-NUMER

9.1 X-INVALID-NUMER-1 $Z(s) = \left(\infty,\ R_2+\frac{1}{C_2s},\ R_3,\ \infty,\ R_5+\frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_2C_5R_2R_6s + C_5R_6}{C_2C_5C_6R_5R_6s^2 + C_2 + s\left(C_2C_5R_5 + C_2C_6R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}{C_5R_5+C_6R_6}$
wo: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$
bandwidth: $\frac{C_5R_5+C_6R_6}{C_5C_6R_5R_6}$
K-LP: $\frac{C_5R_6}{C_2}$
K-HP: 0
K-BP: $\frac{C_5R_2R_6}{C_5R_5+C_6R_6}$
Qz: None
Wz: None

9.2 X-INVALID-NUMER-2 $Z(s) = \left(\infty,\ R_2+\frac{1}{C_2s},\ \frac{1}{C_3s},\ \infty,\ R_5+\frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_2C_5R_2R_6s + C_5R_6}{C_2C_5C_6R_5R_6s^2 + C_2 + s\left(C_2C_5R_5 + C_2C_6R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}{C_5R_5+C_6R_6}$
wo: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$
bandwidth: $\frac{C_5R_5+C_6R_6}{C_5C_6R_5R_6}$
K-LP: $\frac{C_5R_6}{C_2}$
K-HP: 0
K-BP: $\frac{C_5R_2R_6}{C_5R_5+C_6R_6}$
Qz: None
Wz: None

9.3 X-INVALID-NUMER-3 $Z(s) = \left(\infty,\ R_2+\frac{1}{C_2s},\ R_3+\frac{1}{C_3s},\ \infty,\ R_5+\frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_2C_5R_2R_6s + C_5R_6}{C_2C_5C_6R_5R_6s^2 + C_2 + s\left(C_2C_5R_5 + C_2C_6R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}{C_5R_5+C_6R_6}$

wo: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$
bandwidth: $\frac{C_5R_5+C_6R_6}{C_5C_6R_5R_6}$
K-LP: $\frac{C_5R_6}{C_2}$
K-HP: 0
K-BP: $\frac{C_5R_2R_6}{C_5R_5+C_6R_6}$
Qz: None
Wz: None

9.4 X-INVALID-NUMER-4 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3R_3s+1},\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_2C_5R_2R_6s + C_5R_6}{C_2C_5C_6R_5R_6s^2 + C_2 + s\left(C_2C_5R_5 + C_2C_6R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}{C_5R_5+C_6R_6}$
wo: $\frac{1}{\sqrt{C_5}\sqrt{C_6}\sqrt{R_5}\sqrt{R_6}}$
bandwidth: $\frac{C_5R_5+C_6R_6}{C_5C_6R_5R_6}$
K-LP: $\frac{C_5R_6}{C_2}$
K-HP: 0
K-BP: $\frac{C_5R_2R_6}{C_5R_5+C_6R_6}$
Qz: None
Wz: None

9.5 X-INVALID-NUMER-5 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5C_6R_2R_6s + C_5R_2}{C_2C_5C_6R_2R_5s^2 + C_6 + s\left(C_2C_6R_2 + C_5C_6R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}{C_2R_2+C_5R_5}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}$
bandwidth: $\frac{C_2R_2+C_5R_5}{C_2C_5R_2R_5}$
K-LP: $\frac{C_5R_2}{C_6}$
K-HP: 0
K-BP: $\frac{C_5R_2R_6}{C_2R_2+C_5R_5}$
Qz: None
Wz: None

9.6 X-INVALID-NUMER-6 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3,\ \infty,\ \frac{R_5}{C_5R_5s+1},\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_5R_2R_5R_6s + R_2R_6}{C_2C_6R_2R_5R_6s^2 + R_5 + s\left(C_2R_2R_5 + C_6R_5R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}{C_2R_2+C_6R_6}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$
bandwidth: $\frac{C_2R_2+C_6R_6}{C_2C_6R_2R_6}$
K-LP: $\frac{R_2R_6}{R_5}$
K-HP: 0
K-BP: $\frac{C_5R_2R_6}{C_2R_2+C_6R_6}$
Qz: None
Wz: None

9.7 X-INVALID-NUMER-7 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \infty,\ R_5+\frac{1}{C_5s},\ R_6+\frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5C_6R_2R_6s + C_5R_2}{C_2C_5C_6R_2R_5s^2 + C_6 + s\left(C_2C_6R_2 + C_5C_6R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}{C_2R_2+C_5R_5}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}$
bandwidth: $\frac{C_2R_2+C_5R_5}{C_2C_5R_2R_5}$
K-LP: $\frac{C_5R_2}{C_6}$
K-HP: 0
K-BP: $\frac{C_5R_2R_6}{C_2R_2+C_5R_5}$
Qz: None
Wz: None

9.8 X-INVALID-NUMER-8 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \infty,\ \frac{R_5}{C_5R_5s+1},\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_5R_2R_5R_6s + R_2R_6}{C_2C_6R_2R_5R_6s^2 + R_5 + s\left(C_2R_2R_5 + C_6R_5R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}{C_2R_2+C_6R_6}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$
bandwidth: $\frac{C_2R_2+C_6R_6}{C_2C_6R_2R_6}$
K-LP: $\frac{R_2R_6}{R_5}$
K-HP: 0
K-BP: $\frac{C_5R_2R_6}{C_2R_2+C_6R_6}$
Qz: None
Wz: None

9.9 X-INVALID-NUMER-9 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3+\frac{1}{C_3s},\ \infty,\ R_5+\frac{1}{C_5s},\ R_6+\frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5C_6R_2R_6s + C_5R_2}{C_2C_5C_6R_2R_5s^2 + C_6 + s\left(C_2C_6R_2 + C_5C_6R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}{C_2R_2+C_5R_5}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}$
bandwidth: $\frac{C_2R_2+C_5R_5}{C_2C_5R_2R_5}$
K-LP: $\frac{C_5R_2}{C_6}$
K-HP: 0
K-BP: $\frac{C_5R_2R_6}{C_2R_2+C_5R_5}$
Qz: None
Wz: None

9.10 X-INVALID-NUMER-10 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3+\frac{1}{C_3s},\ \infty,\ \frac{R_5}{C_5R_5s+1},\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_5R_2R_5R_6s + R_2R_6}{C_2C_6R_2R_5R_6s^2 + R_5 + s\left(C_2R_2R_5 + C_6R_5R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}{C_2R_2+C_6R_6}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$
bandwidth: $\frac{C_2R_2+C_6R_6}{C_2C_6R_2R_6}$
K-LP: $\frac{R_2R_6}{R_5}$

K-HP: 0
K-BP: $\frac{C_5 R_2 R_6}{C_2 R_2 + C_6 R_6}$
Qz: None
Wz: None

9.11 X-INVALID-NUMER-11 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_2 R_6 s + C_5 R_2}{C_2 C_5 C_6 R_2 R_5 s^2 + C_6 + s\left(C_2 C_6 R_2 + C_5 C_6 R_5\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}{C_2 R_2 + C_5 R_5}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_5}\sqrt{R_2}\sqrt{R_5}}$
bandwidth: $\frac{C_2 R_2 + C_5 R_5}{C_2 C_5 R_2 R_5}$
K-LP: $\frac{C_5 R_2}{C_6}$
K-HP: 0
K-BP: $\frac{C_5 R_2 R_6}{C_2 R_2 + C_5 R_5}$
Qz: None
Wz: None

9.12 X-INVALID-NUMER-12 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_2 R_5 R_6 s + R_2 R_6}{C_2 C_6 R_2 R_5 R_6 s^2 + R_5 + s\left(C_2 R_2 R_5 + C_6 R_5 R_6\right)}$$

Parameters:

Q: $\frac{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}{C_2 R_2 + C_6 R_6}$
wo: $\frac{1}{\sqrt{C_2}\sqrt{C_6}\sqrt{R_2}\sqrt{R_6}}$
bandwidth: $\frac{C_2 R_2 + C_6 R_6}{C_2 C_6 R_2 R_6}$
K-LP: $\frac{R_2 R_6}{R_5}$
K-HP: 0
K-BP: $\frac{C_5 R_2 R_6}{C_2 R_2 + C_6 R_6}$
Qz: None
Wz: None

10 X-INVALID-ORDER

10.1 X-INVALID-ORDER-1 $Z(s) = (\infty,\ R_2,\ R_3,\ \infty,\ R_5,\ R_6)$

$$H(s) = \frac{R_2 R_6}{R_5}$$

10.2 X-INVALID-ORDER-2 $Z(s) = \left(\infty,\ R_2,\ R_3,\ \infty,\ R_5,\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{R_2}{C_6 R_5 s}$$

10.3 X-INVALID-ORDER-3 $Z(s) = \left(\infty,\ R_2,\ R_3,\ \infty,\ R_5,\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6 R_2 R_6 s + R_2}{C_6 R_5 s}$$

10.4 X-INVALID-ORDER-4 $Z(s) = \left(\infty,\ R_2,\ R_3,\ \infty,\ R_5,\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{R_2 R_6}{C_6 R_5 R_6 s + R_5}$$

10.5 X-INVALID-ORDER-5 $Z(s) = \left(\infty,\ R_2,\ R_3,\ \infty,\ \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = C_5 R_2 R_6 s$$

10.6 X-INVALID-ORDER-6 $Z(s) = \left(\infty,\ R_2,\ R_3,\ \infty,\ \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2}{C_6}$$

10.7 X-INVALID-ORDER-7 $Z(s) = \left(\infty,\ R_2,\ R_3,\ \infty,\ \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_2 R_6 s + C_5 R_2}{C_6}$$

10.8 X-INVALID-ORDER-8 $Z(s) = \left(\infty,\ R_2,\ R_3,\ \infty,\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_6 R_6 s + 1}$$

10.9 X-INVALID-ORDER-9 $Z(s) = \left(\infty,\ R_2,\ R_3,\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_5 R_5 s + 1}$$

10.10 X-INVALID-ORDER-10 $Z(s) = \left(\infty,\ R_2,\ R_3,\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2}{C_5 C_6 R_5 s + C_6}$$

10.11 X-INVALID-ORDER-11 $Z(s) = \left(\infty,\ R_2,\ R_3,\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_2 R_6 s + C_5 R_2}{C_5 C_6 R_5 s + C_6}$$

10.12 X-INVALID-ORDER-12 $Z(s) = \left(\infty,\ R_2,\ R_3,\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6\right)$

$$H(s) = \frac{C_5 R_2 R_5 R_6 s + R_2 R_6}{R_5}$$

10.13 X-INVALID-ORDER-13 $Z(s) = \left(\infty,\ R_2,\ R_3,\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2 R_5 s + R_2}{C_6 R_5 s}$$

10.14 X-INVALID-ORDER-14 $Z(s) = \left(\infty,\ R_2,\ R_3,\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_2 R_5 R_6 s^2 + R_2 + s\left(C_5 R_2 R_5 + C_6 R_2 R_6\right)}{C_6 R_5 s}$$

10.15 X-INVALID-ORDER-15 $Z(s) = \left(\infty,\ R_2,\ R_3,\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_2 R_5 R_6 s + R_2 R_6}{C_6 R_5 R_6 s + R_5}$$

10.16 X-INVALID-ORDER-16 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ R_5,\ R_6\right)$

$$H(s) = \frac{R_2 R_6}{R_5}$$

10.17 X-INVALID-ORDER-17 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ R_5,\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{R_2}{C_6 R_5 s}$$

10.18 X-INVALID-ORDER-18 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ R_5,\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6 R_2 R_6 s + R_2}{C_6 R_5 s}$$

10.19 X-INVALID-ORDER-19 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ R_5,\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{R_2 R_6}{C_6 R_5 R_6 s + R_5}$$

10.20 X-INVALID-ORDER-20 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = C_5 R_2 R_6 s$$

10.21 X-INVALID-ORDER-21 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2}{C_6}$$

10.22 X-INVALID-ORDER-22 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_2 R_6 s + C_5 R_2}{C_6}$$

10.23 X-INVALID-ORDER-23 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_6 R_6 s + 1}$$

10.24 X-INVALID-ORDER-24 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_5 R_5 s + 1}$$

10.25 X-INVALID-ORDER-25 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2}{C_5 C_6 R_5 s + C_6}$$

10.26 X-INVALID-ORDER-26 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_2 R_6 s + C_5 R_2}{C_5 C_6 R_5 s + C_6}$$

10.27 X-INVALID-ORDER-27 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s + 1},\ R_6\right)$

$$H(s) = \frac{C_5 R_2 R_5 R_6 s + R_2 R_6}{R_5}$$

10.28 X-INVALID-ORDER-28 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s + 1},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2 R_5 s + R_2}{C_6 R_5 s}$$

10.29 X-INVALID-ORDER-29 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s + 1},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_2 R_5 R_6 s^2 + R_2 + s\left(C_5 R_2 R_5 + C_6 R_2 R_6\right)}{C_6 R_5 s}$$

10.30 X-INVALID-ORDER-30 $Z(s) = \left(\infty,\ R_2,\ \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s + 1},\ \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_5 R_2 R_5 R_6 s + R_2 R_6}{C_6 R_5 R_6 s + R_5}$$

10.31 X-INVALID-ORDER-31 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5,\ R_6\right)$

$$H(s) = \frac{R_2 R_6}{R_5}$$

10.32 X-INVALID-ORDER-32 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5,\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{R_2}{C_6 R_5 s}$$

10.33 X-INVALID-ORDER-33 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5,\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6 R_2 R_6 s + R_2}{C_6 R_5 s}$$

10.34 X-INVALID-ORDER-34 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5,\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{R_2 R_6}{C_6 R_5 R_6 s + R_5}$$

10.35 X-INVALID-ORDER-35 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = C_5 R_2 R_6 s$$

10.36 X-INVALID-ORDER-36 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2}{C_6}$$

10.37 X-INVALID-ORDER-37 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_2 R_6 s + C_5 R_2}{C_6}$$

10.38 X-INVALID-ORDER-38 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_6 R_6 s + 1}$$

10.39 X-INVALID-ORDER-39 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_5 R_5 s + 1}$$

10.40 X-INVALID-ORDER-40 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2}{C_5 C_6 R_5 s + C_6}$$

10.41 X-INVALID-ORDER-41 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_2 R_6 s + C_5 R_2}{C_5 C_6 R_5 s + C_6}$$

10.42 X-INVALID-ORDER-42 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6\right)$

$$H(s) = \frac{C_5 R_2 R_5 R_6 s + R_2 R_6}{R_5}$$

10.43 X-INVALID-ORDER-43 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2 R_5 s + R_2}{C_6 R_5 s}$$

10.44 X-INVALID-ORDER-44 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_2 R_5 R_6 s^2 + R_2 + s\left(C_5 R_2 R_5 + C_6 R_2 R_6\right)}{C_6 R_5 s}$$

10.45 X-INVALID-ORDER-45 $Z(s) = \left(\infty,\ R_2,\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_2 R_5 R_6 s + R_2 R_6}{C_6 R_5 R_6 s + R_5}$$

10.46 X-INVALID-ORDER-46 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5,\ R_6\right)$

$$H(s) = \frac{R_2 R_6}{R_5}$$

10.47 X-INVALID-ORDER-47 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5,\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{R_2}{C_6 R_5 s}$$

10.48 X-INVALID-ORDER-48 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5,\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6 R_2 R_6 s + R_2}{C_6 R_5 s}$$

10.49 X-INVALID-ORDER-49 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5,\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{R_2 R_6}{C_6 R_5 R_6 s + R_5}$$

10.50 X-INVALID-ORDER-50 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = C_5 R_2 R_6 s$$

10.51 X-INVALID-ORDER-51 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2}{C_6}$$

10.52 X-INVALID-ORDER-52 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_2 R_6 s + C_5 R_2}{C_6}$$

10.53 X-INVALID-ORDER-53 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_6 R_6 s + 1}$$

10.54 X-INVALID-ORDER-54 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_5 R_5 s + 1}$$

10.55 X-INVALID-ORDER-55 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2}{C_5 C_6 R_5 s + C_6}$$

10.56 X-INVALID-ORDER-56 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_2 R_6 s + C_5 R_2}{C_5 C_6 R_5 s + C_6}$$

10.57 X-INVALID-ORDER-57 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6\right)$

$$H(s) = \frac{C_5 R_2 R_5 R_6 s + R_2 R_6}{R_5}$$

10.58 X-INVALID-ORDER-58 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2 R_5 s + R_2}{C_6 R_5 s}$$

10.59 X-INVALID-ORDER-59 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_2 R_5 R_6 s^2 + R_2 + s\left(C_5 R_2 R_5 + C_6 R_2 R_6\right)}{C_6 R_5 s}$$

10.60 X-INVALID-ORDER-60 $Z(s) = \left(\infty,\ R_2,\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_2 R_5 R_6 s + R_2 R_6}{C_6 R_5 R_6 s + R_5}$$

10.61 X-INVALID-ORDER-61 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3,\ \infty,\ R_5,\ R_6\right)$

$$H(s) = \frac{R_6}{C_2 R_5 s}$$

10.62 X-INVALID-ORDER-62 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3,\ \infty,\ R_5,\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{1}{C_2 C_6 R_5 s^2}$$

10.63 X-INVALID-ORDER-63 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3,\ \infty,\ R_5,\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6 R_6 s + 1}{C_2 C_6 R_5 s^2}$$

10.64 X-INVALID-ORDER-64 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3,\ \infty,\ R_5,\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{R_6}{C_2 C_6 R_5 R_6 s^2 + C_2 R_5 s}$$

10.65 X-INVALID-ORDER-65 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_5 R_6}{C_2}$$

10.66 X-INVALID-ORDER-66 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5}{C_2 C_6 s}$$

10.67 X-INVALID-ORDER-67 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_6 s + C_5}{C_2 C_6 s}$$

10.68 X-INVALID-ORDER-68 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_6}{C_2 C_6 R_6 s + C_2}$$

10.69 X-INVALID-ORDER-69 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3,\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_5 R_6}{C_2 C_5 R_5 s + C_2}$$

10.70 X-INVALID-ORDER-70 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3,\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.71 X-INVALID-ORDER-71 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3,\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_6 s + C_5}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.72 X-INVALID-ORDER-72 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6\right)$

$$H(s) = \frac{C_5 R_5 R_6 s + R_6}{C_2 R_5 s}$$

10.73 X-INVALID-ORDER-73 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_5 s + 1}{C_2 C_6 R_5 s^2}$$

10.74 X-INVALID-ORDER-74 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_5 R_6 s^2 + s\left(C_5 R_5 + C_6 R_6\right) + 1}{C_2 C_6 R_5 s^2}$$

10.75 X-INVALID-ORDER-75 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_5 R_6 s + R_6}{C_2 C_6 R_5 R_6 s^2 + C_2 R_5 s}$$

10.76 X-INVALID-ORDER-76 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ R_5,\ R_6\right)$

$$H(s) = \frac{R_6}{C_2 R_5 s}$$

10.77 X-INVALID-ORDER-77 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ R_5,\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{1}{C_2 C_6 R_5 s^2}$$

10.78 X-INVALID-ORDER-78 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ R_5,\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6 R_6 s + 1}{C_2 C_6 R_5 s^2}$$

10.79 X-INVALID-ORDER-79 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ R_5,\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{R_6}{C_2 C_6 R_5 R_6 s^2 + C_2 R_5 s}$$

10.80 X-INVALID-ORDER-80 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_5 R_6}{C_2}$$

10.81 X-INVALID-ORDER-81 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5}{C_2 C_6 s}$$

10.82 X-INVALID-ORDER-82 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_6 s + C_5}{C_2 C_6 s}$$

10.83 X-INVALID-ORDER-83 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_6}{C_2 C_6 R_6 s + C_2}$$

10.84 X-INVALID-ORDER-84 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_5 R_6}{C_2 C_5 R_5 s + C_2}$$

10.85 X-INVALID-ORDER-85 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.86 X-INVALID-ORDER-86 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_6 s + C_5}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.87 X-INVALID-ORDER-87 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6\right)$

$$H(s) = \frac{C_5 R_5 R_6 s + R_6}{C_2 R_5 s}$$

10.88 X-INVALID-ORDER-88 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_5 s + 1}{C_2 C_6 R_5 s^2}$$

10.89 X-INVALID-ORDER-89 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_5 R_6 s^2 + s\left(C_5 R_5 + C_6 R_6\right) + 1}{C_2 C_6 R_5 s^2}$$

10.90 X-INVALID-ORDER-90 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_5 R_6 s + R_6}{C_2 C_6 R_5 R_6 s^2 + C_2 R_5 s}$$

10.91 X-INVALID-ORDER-91 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5,\ R_6\right)$

$$H(s) = \frac{R_6}{C_2 R_5 s}$$

10.92 X-INVALID-ORDER-92 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5,\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{1}{C_2 C_6 R_5 s^2}$$

10.93 X-INVALID-ORDER-93 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5,\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6 R_6 s + 1}{C_2 C_6 R_5 s^2}$$

10.94 X-INVALID-ORDER-94 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5,\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{R_6}{C_2 C_6 R_5 R_6 s^2 + C_2 R_5 s}$$

10.95 X-INVALID-ORDER-95 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_5 R_6}{C_2}$$

10.96 X-INVALID-ORDER-96 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5}{C_2 C_6 s}$$

10.97 X-INVALID-ORDER-97 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_6 s + C_5}{C_2 C_6 s}$$

10.98 X-INVALID-ORDER-98 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_6}{C_2 C_6 R_6 s + C_2}$$

10.99 X-INVALID-ORDER-99 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_5 R_6}{C_2 C_5 R_5 s + C_2}$$

10.100 X-INVALID-ORDER-100 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.101 X-INVALID-ORDER-101 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_6 s + C_5}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.102 X-INVALID-ORDER-102 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6\right)$

$$H(s) = \frac{C_5 R_5 R_6 s + R_6}{C_2 R_5 s}$$

10.103 X-INVALID-ORDER-103 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_5 s + 1}{C_2 C_6 R_5 s^2}$$

10.104 X-INVALID-ORDER-104 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_5 R_6 s^2 + s\left(C_5 R_5 + C_6 R_6\right) + 1}{C_2 C_6 R_5 s^2}$$

10.105 X-INVALID-ORDER-105 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_5 R_6 s + R_6}{C_2 C_6 R_5 R_6 s^2 + C_2 R_5 s}$$

10.106 X-INVALID-ORDER-106 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5,\ R_6\right)$

$$H(s) = \frac{R_6}{C_2 R_5 s}$$

10.107 X-INVALID-ORDER-107 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5,\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{1}{C_2 C_6 R_5 s^2}$$

10.108 X-INVALID-ORDER-108 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5,\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6 R_6 s + 1}{C_2 C_6 R_5 s^2}$$

10.109 X-INVALID-ORDER-109 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5,\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{R_6}{C_2 C_6 R_5 R_6 s^2 + C_2 R_5 s}$$

10.110 X-INVALID-ORDER-110 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_5 R_6}{C_2}$$

10.111 X-INVALID-ORDER-111 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5}{C_2 C_6 s}$$

10.112 X-INVALID-ORDER-112 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_6 s + C_5}{C_2 C_6 s}$$

10.113 X-INVALID-ORDER-113 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_6}{C_2 C_6 R_6 s + C_2}$$

10.114 X-INVALID-ORDER-114 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_5 R_6}{C_2 C_5 R_5 s + C_2}$$

10.115 X-INVALID-ORDER-115 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.116 X-INVALID-ORDER-116 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_6 s + C_5}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.117 X-INVALID-ORDER-117 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6\right)$

$$H(s) = \frac{C_5 R_5 R_6 s + R_6}{C_2 R_5 s}$$

10.118 X-INVALID-ORDER-118 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_5 s + 1}{C_2 C_6 R_5 s^2}$$

10.119 X-INVALID-ORDER-119 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_5 R_6 s^2 + s\left(C_5 R_5 + C_6 R_6\right) + 1}{C_2 C_6 R_5 s^2}$$

10.120 X-INVALID-ORDER-120 $Z(s) = \left(\infty,\ \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_5 R_6 s + R_6}{C_2 C_6 R_5 R_6 s^2 + C_2 R_5 s}$$

10.121 X-INVALID-ORDER-121 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \infty,\ R_5,\ R_6\right)$

$$H(s) = \frac{C_2 R_2 R_6 s + R_6}{C_2 R_5 s}$$

10.122 X-INVALID-ORDER-122 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \infty,\ R_5,\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 R_2 s + 1}{C_2 C_6 R_5 s^2}$$

10.123 X-INVALID-ORDER-123 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \infty,\ R_5,\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_6 R_2 R_6 s^2 + s\left(C_2 R_2 + C_6 R_6\right) + 1}{C_2 C_6 R_5 s^2}$$

10.124 X-INVALID-ORDER-124 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \infty,\ R_5,\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_2 R_2 R_6 s + R_6}{C_2 C_6 R_5 R_6 s^2 + C_2 R_5 s}$$

10.125 X-INVALID-ORDER-125 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_6 s + C_5 R_6}{C_2}$$

10.126 X-INVALID-ORDER-126 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 R_2 s + C_5}{C_2 C_6 s}$$

10.127 X-INVALID-ORDER-127 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

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

10.128 X-INVALID-ORDER-128 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_6 s + C_5 R_6}{C_2 C_6 R_6 s + C_2}$$

10.129 X-INVALID-ORDER-129 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_6 s + C_5 R_6}{C_2 C_5 R_5 s + C_2}$$

10.130 X-INVALID-ORDER-130 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 R_2 s + C_5}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.131 X-INVALID-ORDER-131 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 C_6 R_2 R_6 s^2 + C_5 + s\left(C_2 C_5 R_2 + C_5 C_6 R_6\right)}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.132 X-INVALID-ORDER-132 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6\right)$

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

10.133 X-INVALID-ORDER-133 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_5 s^2 + s\left(C_2 R_2 + C_5 R_5\right) + 1}{C_2 C_6 R_5 s^2}$$

10.134 X-INVALID-ORDER-134 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 C_6 R_2 R_5 R_6 s^3 + s^2 \left(C_2 C_5 R_2 R_5 + C_2 C_6 R_2 R_6 + C_5 C_6 R_5 R_6\right) + s \left(C_2 R_2 + C_5 R_5 + C_6 R_6\right) + 1}{C_2 C_6 R_5 s^2}$$

10.135 X-INVALID-ORDER-135 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3,\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_5 R_6 s^2 + R_6 + s \left(C_2 R_2 R_6 + C_5 R_5 R_6\right)}{C_2 C_6 R_5 R_6 s^2 + C_2 R_5 s}$$

10.136 X-INVALID-ORDER-136 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ R_5,\ R_6\right)$

$$H(s) = \frac{C_2 R_2 R_6 s + R_6}{C_2 R_5 s}$$

10.137 X-INVALID-ORDER-137 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ R_5,\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 R_2 s + 1}{C_2 C_6 R_5 s^2}$$

10.138 X-INVALID-ORDER-138 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ R_5,\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_6 R_2 R_6 s^2 + s \left(C_2 R_2 + C_6 R_6\right) + 1}{C_2 C_6 R_5 s^2}$$

10.139 X-INVALID-ORDER-139 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ R_5,\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_2 R_2 R_6 s + R_6}{C_2 C_6 R_5 R_6 s^2 + C_2 R_5 s}$$

10.140 X-INVALID-ORDER-140 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_6 s + C_5 R_6}{C_2}$$

10.141 X-INVALID-ORDER-141 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 R_2 s + C_5}{C_2 C_6 s}$$

10.142 X-INVALID-ORDER-142 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

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

10.143 X-INVALID-ORDER-143 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_6 s + C_5 R_6}{C_2 C_6 R_6 s + C_2}$$

10.144 X-INVALID-ORDER-144 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_6 s + C_5 R_6}{C_2 C_5 R_5 s + C_2}$$

10.145 X-INVALID-ORDER-145 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 R_2 s + C_5}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.146 X-INVALID-ORDER-146 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 C_6 R_2 R_6 s^2 + C_5 + s\left(C_2 C_5 R_2 + C_5 C_6 R_6\right)}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.147 X-INVALID-ORDER-147 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s + 1},\ R_6\right)$

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

10.148 X-INVALID-ORDER-148 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s + 1},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_5 s^2 + s\left(C_2 R_2 + C_5 R_5\right) + 1}{C_2 C_6 R_5 s^2}$$

10.149 X-INVALID-ORDER-149 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s + 1},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 C_6 R_2 R_5 R_6 s^3 + s^2\left(C_2 C_5 R_2 R_5 + C_2 C_6 R_2 R_6 + C_5 C_6 R_5 R_6\right) + s\left(C_2 R_2 + C_5 R_5 + C_6 R_6\right) + 1}{C_2 C_6 R_5 s^2}$$

10.150 X-INVALID-ORDER-150 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s + 1},\ \frac{R_6}{C_6 R_6 s + 1}\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_5 R_6 s^2 + R_6 + s\left(C_2 R_2 R_6 + C_5 R_5 R_6\right)}{C_2 C_6 R_5 R_6 s^2 + C_2 R_5 s}$$

10.151 X-INVALID-ORDER-151 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5,\ R_6\right)$

$$H(s) = \frac{C_2 R_2 R_6 s + R_6}{C_2 R_5 s}$$

10.152 X-INVALID-ORDER-152 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5,\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 R_2 s + 1}{C_2 C_6 R_5 s^2}$$

10.153 X-INVALID-ORDER-153 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5,\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_6 R_2 R_6 s^2 + s\left(C_2 R_2 + C_6 R_6\right) + 1}{C_2 C_6 R_5 s^2}$$

10.154 X-INVALID-ORDER-154 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5,\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_2 R_2 R_6 s + R_6}{C_2 C_6 R_5 R_6 s^2 + C_2 R_5 s}$$

10.155 X-INVALID-ORDER-155 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_6 s + C_5 R_6}{C_2}$$

10.156 X-INVALID-ORDER-156 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 R_2 s + C_5}{C_2 C_6 s}$$

10.157 X-INVALID-ORDER-157 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

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

10.158 X-INVALID-ORDER-158 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_6 s + C_5 R_6}{C_2 C_6 R_6 s + C_2}$$

10.159 X-INVALID-ORDER-159 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_6 s + C_5 R_6}{C_2 C_5 R_5 s + C_2}$$

10.160 X-INVALID-ORDER-160 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 R_2 s + C_5}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.161 X-INVALID-ORDER-161 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 C_6 R_2 R_6 s^2 + C_5 + s\left(C_2 C_5 R_2 + C_5 C_6 R_6\right)}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.162 X-INVALID-ORDER-162 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6\right)$

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

10.163 X-INVALID-ORDER-163 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_5 s^2 + s\left(C_2 R_2 + C_5 R_5\right) + 1}{C_2 C_6 R_5 s^2}$$

10.164 X-INVALID-ORDER-164 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_5C_6R_2R_5R_6s^3 + s^2\left(C_2C_5R_2R_5 + C_2C_6R_2R_6 + C_5C_6R_5R_6\right) + s\left(C_2R_2 + C_5R_5 + C_6R_6\right) + 1}{C_2C_6R_5s^2}$$

10.165 X-INVALID-ORDER-165 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ R_3 + \frac{1}{C_3 s},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_2C_5R_2R_5R_6s^2 + R_6 + s\left(C_2R_2R_6 + C_5R_5R_6\right)}{C_2C_6R_5R_6s^2 + C_2R_5s}$$

10.166 X-INVALID-ORDER-166 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5,\ R_6\right)$

$$H(s) = \frac{C_2R_2R_6s + R_6}{C_2R_5s}$$

10.167 X-INVALID-ORDER-167 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5,\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2R_2s + 1}{C_2C_6R_5s^2}$$

10.168 X-INVALID-ORDER-168 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5,\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_6R_2R_6s^2 + s\left(C_2R_2 + C_6R_6\right) + 1}{C_2C_6R_5s^2}$$

10.169 X-INVALID-ORDER-169 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5,\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_2R_2R_6s + R_6}{C_2C_6R_5R_6s^2 + C_2R_5s}$$

10.170 X-INVALID-ORDER-170 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_2C_5R_2R_6s + C_5R_6}{C_2}$$

10.171 X-INVALID-ORDER-171 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_5R_2s + C_5}{C_2C_6s}$$

10.172 X-INVALID-ORDER-172 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2C_5C_6R_2R_6s^2 + C_5 + s\left(C_2C_5R_2 + C_5C_6R_6\right)}{C_2C_6s}$$

10.173 X-INVALID-ORDER-173 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_2C_5R_2R_6s + C_5R_6}{C_2C_6R_6s + C_2}$$

10.174 X-INVALID-ORDER-174 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_6 s + C_5 R_6}{C_2 C_5 R_5 s + C_2}$$

10.175 X-INVALID-ORDER-175 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 R_2 s + C_5}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.176 X-INVALID-ORDER-176 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ R_5 + \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 C_6 R_2 R_6 s^2 + C_5 + s\left(C_2 C_5 R_2 + C_5 C_6 R_6\right)}{C_2 C_5 C_6 R_5 s^2 + C_2 C_6 s}$$

10.177 X-INVALID-ORDER-177 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6\right)$

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

10.178 X-INVALID-ORDER-178 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_5 s^2 + s\left(C_2 R_2 + C_5 R_5\right) + 1}{C_2 C_6 R_5 s^2}$$

10.179 X-INVALID-ORDER-179 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_2 C_5 C_6 R_2 R_5 R_6 s^3 + s^2\left(C_2 C_5 R_2 R_5 + C_2 C_6 R_2 R_6 + C_5 C_6 R_5 R_6\right) + s\left(C_2 R_2 + C_5 R_5 + C_6 R_6\right) + 1}{C_2 C_6 R_5 s^2}$$

10.180 X-INVALID-ORDER-180 $Z(s) = \left(\infty,\ R_2 + \frac{1}{C_2 s},\ \frac{R_3}{C_3 R_3 s+1},\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_2 C_5 R_2 R_5 R_6 s^2 + R_6 + s\left(C_2 R_2 R_6 + C_5 R_5 R_6\right)}{C_2 C_6 R_5 R_6 s^2 + C_2 R_5 s}$$

10.181 X-INVALID-ORDER-181 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ R_3,\ \infty,\ R_5,\ R_6\right)$

$$H(s) = \frac{R_2 R_6}{C_2 R_2 R_5 s + R_5}$$

10.182 X-INVALID-ORDER-182 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ R_3,\ \infty,\ R_5,\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{R_2}{C_2 C_6 R_2 R_5 s^2 + C_6 R_5 s}$$

10.183 X-INVALID-ORDER-183 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ R_3,\ \infty,\ R_5,\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6 R_2 R_6 s + R_2}{C_2 C_6 R_2 R_5 s^2 + C_6 R_5 s}$$

10.184 X-INVALID-ORDER-184 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ R_3,\ \infty,\ \frac{1}{C_5 s},\ R_6\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_2 R_2 s + 1}$$

10.185 X-INVALID-ORDER-185 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ R_3,\ \infty,\ \frac{1}{C_5 s},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2}{C_2 C_6 R_2 s + C_6}$$

10.186 X-INVALID-ORDER-186 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ R_3,\ \infty,\ \frac{1}{C_5 s},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_2 R_6 s + C_5 R_2}{C_2 C_6 R_2 s + C_6}$$

10.187 X-INVALID-ORDER-187 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ R_3,\ \infty,\ R_5 + \frac{1}{C_5 s},\ \frac{R_6}{C_6 R_6 s+1}\right)$

$$H(s) = \frac{C_5 R_2 R_6 s}{C_2 C_5 C_6 R_2 R_5 R_6 s^3 + s^2 \left(C_2 C_5 R_2 R_5 + C_2 C_6 R_2 R_6 + C_5 C_6 R_5 R_6\right) + s \left(C_2 R_2 + C_5 R_5 + C_6 R_6\right) + 1}$$

10.188 X-INVALID-ORDER-188 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ R_3,\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6\right)$

$$H(s) = \frac{C_5 R_2 R_5 R_6 s + R_2 R_6}{C_2 R_2 R_5 s + R_5}$$

10.189 X-INVALID-ORDER-189 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ R_3,\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 R_2 R_5 s + R_2}{C_2 C_6 R_2 R_5 s^2 + C_6 R_5 s}$$

10.190 X-INVALID-ORDER-190 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ R_3,\ \infty,\ \frac{R_5}{C_5 R_5 s+1},\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_5 C_6 R_2 R_5 R_6 s^2 + R_2 + s \left(C_5 R_2 R_5 + C_6 R_2 R_6\right)}{C_2 C_6 R_2 R_5 s^2 + C_6 R_5 s}$$

10.191 X-INVALID-ORDER-191 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ \frac{1}{C_3 s},\ \infty,\ R_5,\ R_6\right)$

$$H(s) = \frac{R_2 R_6}{C_2 R_2 R_5 s + R_5}$$

10.192 X-INVALID-ORDER-192 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ \frac{1}{C_3 s},\ \infty,\ R_5,\ \frac{1}{C_6 s}\right)$

$$H(s) = \frac{R_2}{C_2 C_6 R_2 R_5 s^2 + C_6 R_5 s}$$

10.193 X-INVALID-ORDER-193 $Z(s) = \left(\infty,\ \frac{R_2}{C_2 R_2 s+1},\ \frac{1}{C_3 s},\ \infty,\ R_5,\ R_6 + \frac{1}{C_6 s}\right)$

$$H(s) = \frac{C_6 R_2 R_6 s + R_2}{C_2 C_6 R_2 R_5 s^2 + C_6 R_5 s}$$

10.194 X-INVALID-ORDER-194 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \infty,\ \frac{1}{C_5s},\ R_6\right)$

$$H(s) = \frac{C_5R_2R_6s}{C_2R_2s+1}$$

10.195 X-INVALID-ORDER-195 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \infty,\ \frac{1}{C_5s},\ \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5R_2}{C_2C_6R_2s+C_6}$$

10.196 X-INVALID-ORDER-196 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \infty,\ \frac{1}{C_5s},\ R_6+\frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5C_6R_2R_6s+C_5R_2}{C_2C_6R_2s+C_6}$$

10.197 X-INVALID-ORDER-197 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \infty,\ R_5+\frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_5R_2R_6s}{C_2C_5C_6R_2R_5R_6s^3+s^2\left(C_2C_5R_2R_5+C_2C_6R_2R_6+C_5C_6R_5R_6\right)+s\left(C_2R_2+C_5R_5+C_6R_6\right)+1}$$

10.198 X-INVALID-ORDER-198 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \infty,\ \frac{R_5}{C_5R_5s+1},\ R_6\right)$

$$H(s) = \frac{C_5R_2R_5R_6s+R_2R_6}{C_2R_2R_5s+R_5}$$

10.199 X-INVALID-ORDER-199 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \infty,\ \frac{R_5}{C_5R_5s+1},\ \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5R_2R_5s+R_2}{C_2C_6R_2R_5s^2+C_6R_5s}$$

10.200 X-INVALID-ORDER-200 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{1}{C_3s},\ \infty,\ \frac{R_5}{C_5R_5s+1},\ R_6+\frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5C_6R_2R_5R_6s^2+R_2+s\left(C_5R_2R_5+C_6R_2R_6\right)}{C_2C_6R_2R_5s^2+C_6R_5s}$$

10.201 X-INVALID-ORDER-201 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3+\frac{1}{C_3s},\ \infty,\ R_5,\ R_6\right)$

$$H(s) = \frac{R_2R_6}{C_2R_2R_5s+R_5}$$

10.202 X-INVALID-ORDER-202 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3+\frac{1}{C_3s},\ \infty,\ R_5,\ \frac{1}{C_6s}\right)$

$$H(s) = \frac{R_2}{C_2C_6R_2R_5s^2+C_6R_5s}$$

10.203 X-INVALID-ORDER-203 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3+\frac{1}{C_3s},\ \infty,\ R_5,\ R_6+\frac{1}{C_6s}\right)$

$$H(s) = \frac{C_6R_2R_6s+R_2}{C_2C_6R_2R_5s^2+C_6R_5s}$$

10.204 X-INVALID-ORDER-204 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ \infty,\ \frac{1}{C_5s},\ R_6\right)$

$$H(s) = \frac{C_5R_2R_6s}{C_2R_2s+1}$$

10.205 X-INVALID-ORDER-205 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ \infty,\ \frac{1}{C_5s},\ \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5R_2}{C_2C_6R_2s+C_6}$$

10.206 X-INVALID-ORDER-206 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ \infty,\ \frac{1}{C_5s},\ R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5C_6R_2R_6s+C_5R_2}{C_2C_6R_2s+C_6}$$

10.207 X-INVALID-ORDER-207 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ \infty,\ R_5 + \frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_5R_2R_6s}{C_2C_5C_6R_2R_5R_6s^3 + s^2\left(C_2C_5R_2R_5 + C_2C_6R_2R_6 + C_5C_6R_5R_6\right) + s\left(C_2R_2 + C_5R_5 + C_6R_6\right) + 1}$$

10.208 X-INVALID-ORDER-208 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ \infty,\ \frac{R_5}{C_5R_5s+1},\ R_6\right)$

$$H(s) = \frac{C_5R_2R_5R_6s+R_2R_6}{C_2R_2R_5s+R_5}$$

10.209 X-INVALID-ORDER-209 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ \infty,\ \frac{R_5}{C_5R_5s+1},\ \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5R_2R_5s+R_2}{C_2C_6R_2R_5s^2+C_6R_5s}$$

10.210 X-INVALID-ORDER-210 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ R_3 + \frac{1}{C_3s},\ \infty,\ \frac{R_5}{C_5R_5s+1},\ R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5C_6R_2R_5R_6s^2 + R_2 + s\left(C_5R_2R_5 + C_6R_2R_6\right)}{C_2C_6R_2R_5s^2+C_6R_5s}$$

10.211 X-INVALID-ORDER-211 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \infty,\ R_5,\ R_6\right)$

$$H(s) = \frac{R_2R_6}{C_2R_2R_5s+R_5}$$

10.212 X-INVALID-ORDER-212 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \infty,\ R_5,\ \frac{1}{C_6s}\right)$

$$H(s) = \frac{R_2}{C_2C_6R_2R_5s^2+C_6R_5s}$$

10.213 X-INVALID-ORDER-213 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \infty,\ R_5,\ R_6 + \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_6R_2R_6s+R_2}{C_2C_6R_2R_5s^2+C_6R_5s}$$

10.214 X-INVALID-ORDER-214 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \infty,\ \frac{1}{C_5s},\ R_6\right)$

$$H(s) = \frac{C_5R_2R_6s}{C_2R_2s+1}$$

10.215 X-INVALID-ORDER-215 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \infty,\ \frac{1}{C_5s},\ \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5R_2}{C_2C_6R_2s+C_6}$$

10.216 X-INVALID-ORDER-216 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \infty,\ \frac{1}{C_5s},\ R_6+\frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5C_6R_2R_6s+C_5R_2}{C_2C_6R_2s+C_6}$$

10.217 X-INVALID-ORDER-217 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \infty,\ R_5+\frac{1}{C_5s},\ \frac{R_6}{C_6R_6s+1}\right)$

$$H(s) = \frac{C_5R_2R_6s}{C_2C_5C_6R_2R_5R_6s^3+s^2\left(C_2C_5R_2R_5+C_2C_6R_2R_6+C_5C_6R_5R_6\right)+s\left(C_2R_2+C_5R_5+C_6R_6\right)+1}$$

10.218 X-INVALID-ORDER-218 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \infty,\ \frac{R_5}{C_5R_5s+1},\ R_6\right)$

$$H(s) = \frac{C_5R_2R_5R_6s+R_2R_6}{C_2R_2R_5s+R_5}$$

10.219 X-INVALID-ORDER-219 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \infty,\ \frac{R_5}{C_5R_5s+1},\ \frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5R_2R_5s+R_2}{C_2C_6R_2R_5s^2+C_6R_5s}$$

10.220 X-INVALID-ORDER-220 $Z(s) = \left(\infty,\ \frac{R_2}{C_2R_2s+1},\ \frac{R_3}{C_3R_3s+1},\ \infty,\ \frac{R_5}{C_5R_5s+1},\ R_6+\frac{1}{C_6s}\right)$

$$H(s) = \frac{C_5C_6R_2R_5R_6s^2+R_2+s\left(C_5R_2R_5+C_6R_2R_6\right)}{C_2C_6R_2R_5s^2+C_6R_5s}$$

11 X-INVALID-WZ

12 X-PolynomialError