

$$s \cdot \begin{bmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{bmatrix} - \begin{bmatrix} 0 & 1 & 0 & 0 & 0 & -1 & 0 \\ -1 & 0 & 0 & 0 & 0 & -1 & 0 \\ 0 & 0 & -0.811 & 1 & -1 & 0 & 0 \\ 0 & 0 & -1 & 0 & 0 & -1 & -1.273 \\ 1 & 0 & 1 & 0 & 0 & 1 & 0 \\ 0 & 1 & 0 & 1 & -1 & 0 & 0 \\ 0 & 0 & 0 & 0.637 & 0 & 0 & -1 \end{bmatrix}$$

$$\begin{bmatrix} s & -1 & 0 & 0 & 0 & 1 & 0 \\ 1 & s & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & s+0.811 & -1 & 1 & 0 & 0 \\ 0 & 0 & 1 & s & 0 & 1 & 1.273 \\ -1 & 0 & -1 & 0 & s & -1 & 0 \\ 0 & -1 & 0 & -1 & 1 & s & 0 \\ 0 & 0 & 0 & -0.637 & 0 & 0 & s+1 \end{bmatrix} \quad (1)$$

inverse  
→

$$\left[ \left[ \begin{aligned} & (-1.928322578 + 871.1796895 s^6 + 449.1990539 s^5 + 2085.904206 s^{10} + 2180.599263 s^9 \\ & + 1870.030275 s^8 + 1425.767542 s^7 + 39.49954450 s^3 + 165.2106552 s^4 - 2.220394730 s^2 \\ & - 4.751096482 s + 24.00122700 s^{17} + 68.93753576 s^{16} + s^{19} + 4.244000000 s^{18} \\ & + 205.1870126 s^{15} + 424.1511343 s^{14} + 837.2780241 s^{13} + 1281.008490 s^{12} \\ & + 1814.872372 s^{11}) / ((-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} \\ & + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 \\ & + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2) (s^5 + 0.8110000000 s^4 + 6. s^3 \\ & + 1.244000000 s^2 + 3.378000000 s - 1.189000000) (s^2 + 1.)^2), (0.3644529670 \\ & + 229.2411734 s^6 + 103.5536520 s^5 + 308.1636788 s^{10} + 356.9465718 s^9 + 403.1691961 s^8 \end{aligned} \right] \right] \quad (2)$$

$$\begin{aligned}
& + 316.1709797 s^7 - 0.9554655900 s^3 + 35.73981767 s^4 - 4.665589780 s^2 - 1.985961024 s \\
& + s^{16} + 3.244000000 s^{15} + 17.75722700 s^{14} + 40.44830876 s^{13} + 110.2230227 s^{12} \\
& + 180.5030573 s^{11}) / ((s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s \\
& - 1.189000000) (s^2 + 1.) (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} \\
& + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 \\
& + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2)), ((s + 1.) ( \\
& -4.670812566 s + 695.8307431 s^7 + 561.9961242 s^6 + 138.4919435 s^{11} + 300.3253048 s^{10} \\
& + 506.2958255 s^9 + 669.0418456 s^8 - 1.028589884 + 143.9854017 s^4 + 341.1498032 s^5 \\
& + 32.06919014 s^3 - 3.560389260 s^2 + 2. s^{14} + 11.73200000 s^{13} + 48.27453100 s^{12})) / ((s^5 \\
& + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s - 1.189000000) ( \\
& -3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} \\
& + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 \\
& + 17.36817535 s^3 - 0.03288178900 s^2) (s + 0.8110000000)^3), -((s + 1.) s ( \\
& -7.714231990 + 1099.577193 s^6 + 803.4838724 s^5 + 455.9024844 s^{10} + 764.5970826 s^9 \\
& + 1051.143716 s^8 + 1190.133975 s^7 + 167.1933115 s^3 + 449.6564863 s^4 + 26.30732346 s^2 \\
& - 10.95037340 s + s^{15} + 5.866000000 s^{14} + 27.73181500 s^{13} + 87.49304961 s^{12} \\
& + 225.0423382 s^{11})) / ((s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s
\end{aligned}$$

$$\begin{aligned}
& -1.189000000) (s^2 + 0.8110000000 s + 2.)^2 (-3.737880978 s + 54.96701558 s^7 \\
& + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 \\
& - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2), ((s + 1.) (6.140155272 s^2 + 80.36855153 s^8 \\
& + 115.5479468 s^7 + s^{12} + 4.244000000 s^{11} + 17.00122700 s^{10} + 40.85153576 s^9 \\
& - 1.316307318 s + 113.6941598 s^5 + 132.3975008 s^6 + 73.14120926 s^4 + 31.66916172 s^3 \\
& - 1.563869611)) / ((s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s \\
& - 1.189000000) (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} \\
& + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 \\
& + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2), -((1.811000000 s^2 \\
& + 2.811000000 s + 2. + s^3) (-1.202646033 s + 55.77791658 s^7 + 68.33913425 s^6 + s^{11} \\
& + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 0.9641612890 + 46.52071274 s^4 \\
& + 69.69811606 s^5 + 22.43864524 s^3 + 4.374472778 s^2)) / ((s^5 + 0.8110000000 s^4 + 6. s^3 \\
& + 1.244000000 s^2 + 3.378000000 s - 1.189000000) (-3.737880978 s + 54.96701558 s^7 \\
& + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 \\
& - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2), ((-1.621802000 + 132.8424863 s^6 + 108.4653383 s^5 \\
& + 17.65006400 s^{10} + 43.53856086 s^9 + 84.28851244 s^8 + 121.3332277 s^7 + 17.33529356 s^3
\end{aligned}$$

$$\begin{aligned}
& + 59.35723943 s^4 - 3.770762770 s^2 - 5.359682978 s + s^{12} + 4.433000000 s^{11}) \\
& (1.273000000 s + 1.032403000) s (s^2 + 0.8110000000 s + 2.) (s^2 + 0.8110000000 s \\
& + 1)) / (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} \\
& + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 \\
& + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2)^2], \\
& \left[ -((-3.856880579 + 728.1448834 s^6 + 457.9217872 s^5 + 807.6163820 s^{10} \right. \\
& + 1033.074770 s^9 + 1068.384891 s^8 + 981.3855720 s^7 + 74.52077132 s^3 + 217.7026428 s^4 \\
& + 8.869914450 s^2 - 4.360759686 s + s^{17} + 4.244000000 s^{16} + 22.00122700 s^{15} \\
& + 60.44953576 s^{14} + 165.1845586 s^{13} + 318.6060627 s^{12} + 574.9127860 s^{11}) s) / (( \\
& -3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} \\
& + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 \\
& + 17.36817535 s^3 - 0.03288178900 s^2) (s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 \\
& + 3.378000000 s - 1.189000000) (s^2 + 1.)^2), (-0.2475622930 s + 355.3368599 s^7 \\
& + 144.8004592 s^6 + 483.0036972 s^{11} + 604.2455588 s^{10} + 658.7118854 s^9 \\
& + 539.6450898 s^8 - 36.20171512 s^4 + 12.79957407 s^5 - 30.13732842 s^3 - 9.749473557 s^2 \\
& + s^{17} + 4.244000000 s^{16} + 1.563869611 + 22.00122700 s^{15} + 59.44953576 s^{14} \\
& + 157.9405585 s^{13} + 289.4948358 s^{12}) / ((s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 \\
& + 3.378000000 s - 1.189000000) (s^2 + 1.) (-3.737880978 s + 54.96701558 s^7 \\
& + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8
\end{aligned}$$

$$\begin{aligned}
& -1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2), ((s - 1.) (-4.670812566 s + 695.8307431 s^7 \\
& + 561.9961242 s^6 + 138.4919435 s^{11} + 300.3253048 s^{10} + 506.2958255 s^9 \\
& + 669.0418456 s^8 - 1.028589884 + 143.9854017 s^4 + 341.1498032 s^5 + 32.06919014 s^3 \\
& - 3.560389260 s^2 + 2. s^{14} + 11.73200000 s^{13} + 48.27453100 s^{12})) / ((s^5 \\
& + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s - 1.189000000) ( \\
& -3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} \\
& + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 \\
& + 17.36817535 s^3 - 0.03288178900 s^2) (s + 0.8110000000)^3), -((s - 1.) ( \\
& -7.714231990 + 1099.577193 s^6 + 803.4838724 s^5 + 455.9024844 s^{10} + 764.5970826 s^9 \\
& + 1051.143716 s^8 + 1190.133975 s^7 + 167.1933115 s^3 + 449.6564863 s^4 + 26.30732346 s^2 \\
& - 10.95037340 s + s^{15} + 5.866000000 s^{14} + 27.73181500 s^{13} + 87.49304961 s^{12} \\
& + 225.0423382 s^{11}) s) / ((s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s \\
& - 1.189000000) (s^2 + 0.8110000000 s + 2.)^2 (-3.737880978 s + 54.96701558 s^7 \\
& + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 \\
& - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2)), ((s - 1.) (6.140155272 s^2 + 80.36855153 s^8
\end{aligned}$$

$$\begin{aligned}
& + 115.5479468 s^7 + s^{12} + 4.244000000 s^{11} + 17.00122700 s^{10} + 40.85153576 s^9 \\
& - 1.316307318 s + 113.6941598 s^5 + 132.3975008 s^6 + 73.14120926 s^4 + 31.66916172 s^3 \\
& - 1.563869611) / ((s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s \\
& - 1.189000000) (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} \\
& + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 \\
& + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2)), -(1. (s - 1.) ( \\
& -1.202646033 s + 55.77791658 s^7 + 68.33913425 s^6 + s^{11} + 3.433000000 s^{10} \\
& + 14.21706400 s^9 + 29.32149686 s^8 - 0.9641612890 + 46.52071274 s^4 + 69.69811606 s^5 \\
& + 22.43864524 s^3 + 4.374472778 s^2) (s^2 + 0.8110000000 s + 2.)) / ((s^5 \\
& + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s - 1.189000000) ( \\
& -3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} \\
& + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 \\
& + 17.36817535 s^3 - 0.03288178900 s^2)), (1. (s - 1.) (s^2 + 0.8110000000 s + 2.) (s^2 \\
& + 0.8110000000 s + 1) s (1.273000000 s + 1.032403000)) / (-3.737880978 s \\
& + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 \\
& + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2) ], \\
& \left[ -((3.857116001 + s^{23} - 855.7596970 s^6 - 517.2703990 s^5 + 640.7984100 s^{10} \\
& - 386.1925100 s^9 - 988.7149100 s^8 - 1083.468386 s^7 - 73.30798040 s^3 - 230.8455710 s^4 \\
& - 4.505303480 s^2 + 3.911508030 s + 1207.622244 s^{17} + 1967.910919 s^{16}
\end{aligned}$$

$$\begin{aligned}
& + 29.54271600 s^{21} + 98.11589390 s^{20} + 277.0374726 s^{19} + 621.8948752 s^{18} \\
& + 5.866000000 s^{22} + 2793.411707 s^{15} + 3361.932979 s^{14} + 3472.115501 s^{13} \\
& + 2919.903810 s^{12} + 1895.056230 s^{11}) s) / ((s^2 + 0.8110000000 s + 1) (s^2 + 1.)^3 (s^5 \\
& + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s - 1.189000000) ( \\
& -3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} \\
& + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 \\
& + 17.36817535 s^3 - 0.03288178900 s^2) (s^2 + 0.8110000000 s + 2.) (s + 0.8110000000) ) \\
& , - (3.127739223 + 257.0098534 s^6 - 99.55213470 s^5 + 6218.211299 s^{10} \\
& + 4517.869891 s^9 + 2639.730793 s^8 + 1143.769664 s^7 - 70.88615286 s^3 - 127.6539248 s^4 \\
& - 13.83419248 s^2 + 0.1820309510 s + 714.2110075 s^{17} + 1537.208747 s^{16} + 3. s^{21} \\
& + 16.59800000 s^{20} + 81.95124700 s^{19} + 260.8591213 s^{18} + 2875.088389 s^{15} \\
& + 4490.689704 s^{14} + 6136.477666 s^{13} + 7143.924429 s^{12} + 7242.265311 s^{11}) / ((s^2 \\
& + 0.8110000000 s + 1) (s^2 + 1.)^2 (s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 \\
& + 3.378000000 s - 1.189000000) (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 \\
& + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 \\
& + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2) (s^2 \\
& + 0.8110000000 s + 2.) (s + 0.8110000000) ), (1.279314656 s + 987.7032330 s^7
\end{aligned}$$

$$\begin{aligned}
& - 10.27881700 s^6 + 19273.97946 s^{11} + 13991.94699 s^{10} + 8181.390190 s^9 \\
& + 3605.946769 s^8 + 1.000000000 10^{-9} - 74.74267940 s^4 - 160.1112892 s^5 \\
& - 11.96370047 s^3 + 2.840110660 s^2 + 1745.176497 s^{18} + 3950.920620 s^{17} \\
& + 8.299000000 s^{22} + 47.78785700 s^{21} + 196.6993078 s^{20} + 647.5309419 s^{19} + s^{23} \\
& + 7597.545788 s^{16} + 12498.99986 s^{15} + 17646.12985 s^{14} + 21357.72141 s^{13} \\
& + 22066.27503 s^{12}) / ((s^2 + 0.8110000000 s + 1) (s + 0.8110000000)^4 (s^5 \\
& + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s - 1.189000000) ( \\
& -3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} \\
& + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 \\
& + 17.36817535 s^3 - 0.03288178900 s^2) (s^2 + 0.8110000000 s + 2.)), ((15.42846399 \\
& + 938.0800810 s^6 - 592.8058666 s^5 + 21297.76648 s^{10} + 16614.91519 s^9 + 10353.50172 s^8 \\
& + 4678.335172 s^7 - 365.7431497 s^3 - 725.8599910 s^4 - 79.09482680 s^2 + 9.812545270 s \\
& + 1491.972130 s^{17} + 3408.510543 s^{16} + 7.488000000 s^{21} + 42.90418800 s^{20} \\
& + 170.3392450 s^{19} + 558.9836609 s^{18} + s^{22} + 6637.034756 s^{15} + 11222.01191 s^{14} \\
& + 16414.08416 s^{13} + 20847.53917 s^{12} + 22815.33922 s^{11}) s) / ((s^2 + 0.8110000000 s \\
& + 1) (s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s \\
& - 1.189000000) (s^2 + 0.8110000000 s + 2.)^3 (s + 0.8110000000) (-3.737880978 s
\end{aligned}$$



$$\begin{aligned}
& + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 \\
& + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2), - (3.127739223 + 264.1172030 s^6 - 42.27624020 s^5 \\
& + 2428.858111 s^{10} + 2205.508775 s^9 + 1584.898814 s^8 + 855.6099410 s^7 - 67.33870673 s^3 \\
& - 106.6789735 s^4 - 16.23255491 s^2 + 0.1820309600 s + 29.54271600 s^{17} \\
& + 97.11589390 s^{16} + s^{19} + 5.866000000 s^{18} + 270.3605716 s^{15} + 590.4063147 s^{14} \\
& + 1103.074635 s^{13} + 1697.546161 s^{12} + 2232.862770 s^{11}) / ((s^2 + 0.8110000000 s \\
& + 1) (s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s - 1.189000000) ( \\
& -3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} \\
& + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 \\
& + 17.36817535 s^3 - 0.03288178900 s^2) (s^2 + 0.8110000000 s + 2.) (s + 0.8110000000) ) \\
& , - ( (-0.3646883890 + 264.5787747 s^6 + 134.3356638 s^5 + 336.6118784 s^{10} \\
& + 445.1478583 s^9 + 465.9572477 s^8 + 395.5992239 s^7 + 8.211969200 s^3 + 49.02635810 s^4 \\
& - 1.127979870 s^2 - 1.716857384 s + 2. s^{15} + 9.110000000 s^{14} + 38.02032100 s^{13} \\
& + 98.09074716 s^{12} + 209.3069510 s^{11}) s) / ((s^2 + 0.8110000000 s + 1) (-3.737880978 s \\
& + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 \\
& + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3
\end{aligned}$$

$$\begin{aligned}
& -0.03288178900 s^2) (s^5 + 0.8110000000 s^4 + 6. s^3 + 1.2440000000 s^2 + 3.3780000000 s \\
& - 1.1890000000) (s + 0.8110000000), -((1.674353250 + 108.9128912 s^6 \\
& + 4.043992700 s^5 + 223.5977478 s^{10} + 301.6261929 s^9 + 304.3023710 s^8 + 230.5089702 s^7 \\
& - 29.14799056 s^3 - 35.60468078 s^4 - 7.054837220 s^2 + 2.574846981 s + 1.2730000000 s^{15} \\
& + 5.402612000 s^{14} + 24.18856197 s^{13} + 61.53622902 s^{12} + 138.1271242 s^{11}) s (s^2 \\
& + 0.8110000000 s + 2.) (s^2 + 0.8110000000 s + 1)) / ((s + 0.8110000000) ( \\
& -3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.4330000000 s^{10} \\
& + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 \\
& + 17.36817535 s^3 - 0.03288178900 s^2)^2)], \\
& \left[ (-10.52958002 s + 5658.196561 s^7 + 2935.719892 s^6 + 16483.64726 s^{11} \right. \\
& + 15341.66783 s^{10} + 12621.65858 s^9 + 9044.272532 s^8 + 383.2980285 s^4 + 1278.361077 s^5 \\
& + 74.93965323 s^3 - 17.74554003 s^2 + 821.1785365 s^{18} + 1881.860415 s^{17} + 3. s^{22} \\
& + 16.78700000 s^{21} + 86.09584000 s^{20} + 284.3754265 s^{19} - 4.756000002 \\
& + 3800.842790 s^{16} + 6517.093798 s^{15} + 9934.431969 s^{14} + 13230.11522 s^{13} \\
& + 15708.49951 s^{12}) / ((s^2 + 0.8110000000 s + 1) (s^2 + 1.)^3 (s^2 + 0.8110000000 s \\
& + 2.) (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.4330000000 s^{10} \\
& + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 \\
& + 17.36817535 s^3 - 0.03288178900 s^2) (s^5 + 0.8110000000 s^4 + 6. s^3 + 1.2440000000 s^2 \\
& + 3.3780000000 s - 1.1890000000)), -(-0.8988839981 s - 639.1973140 s^7 \\
& - 305.8210270 s^6 - 369.9081364 s^{11} - 863.2141167 s^{10} - 1043.925239 s^9
\end{aligned}$$

$$\begin{aligned}
& -916.9580763 s^8 - 2.770986297 s^4 - 121.2445025 s^5 + 2.878276433 s^3 + 8.979899229 s^2 \\
& + 209.5647332 s^{18} + 423.0740896 s^{17} + s^{22} + 5.866000000 s^{21} + 26.73181500 s^{20} \\
& + 84.24904961 s^{19} + 683.5175294 s^{16} + 2.000000000 10^{-10} + 921.9781250 s^{15} \\
& + 949.4905126 s^{14} + 737.1285352 s^{13} + 209.4797188 s^{12}) / ((s^2 + 0.8110000000 s \\
& + 1) (s^2 + 0.8110000000 s + 2.) s (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 \\
& + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 \\
& + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2) (s^5 \\
& + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s - 1.189000000) (s^2 + 1.)^2) \\
& , - (15.95991526 s + 2.536906189 - 3743.061079 s^7 - 2670.698488 s^6 \\
& + 1955.156278 s^{11} - 315.8411984 s^{10} - 2567.795370 s^9 - 3839.891289 s^8 \\
& - 481.2771307 s^4 - 1389.977159 s^5 - 70.64039225 s^3 + 25.63330220 s^2 + 142.6312449 s^{18} \\
& + 412.5390969 s^{17} + s^{21} + 7.488000000 s^{20} + 38.90418800 s^{19} + 958.2297351 s^{16} \\
& + 1820.749176 s^{15} + 2828.893661 s^{14} + 3527.165346 s^{13} + 3342.295263 s^{12}) / ((s^2 \\
& + 0.8110000000 s + 1) (s^2 + 0.8110000000 s + 2.) (s^5 + 0.8110000000 s^4 + 6. s^3 \\
& + 1.244000000 s^2 + 3.378000000 s - 1.189000000) (-3.737880978 s + 54.96701558 s^7 \\
& + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 \\
& - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3
\end{aligned}$$

$$\begin{aligned}
& -0.03288178900 s^2) (s + 0.8110000000)^3), (19.49878402 s + 2290.569576 s^7 \\
& - 1210.612711 s^6 + 35131.96199 s^{11} + 29075.81055 s^{10} + 19457.69277 s^9 \\
& + 9588.906860 s^8 - 1179.743379 s^4 - 1913.321102 s^5 - 465.5112159 s^3 - 48.46886549 s^2 \\
& + 1747.366738 s^{18} + 4182.306511 s^{17} + 7.488000000 s^{22} + 44.90418800 s^{21} \\
& + 183.5042450 s^{20} + 629.8889899 s^{19} + s^{23} + 8503.196230 s^{16} + 19.02399999 \\
& + 15088.94248 s^{15} + 23116.33667 s^{14} + 30895.31852 s^{13} + 35560.44314 s^{12}) / ((s^2 \\
& + 0.8110000000 s + 1) (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} \\
& + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 \\
& + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2) (s^2 + 0.8110000000 s + 2.)^3 (s^5 \\
& + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s - 1.189000000)), \\
& (0.8988839981 s + 1374.842581 s^7 + 681.3380049 s^6 + 2104.782018 s^{11} + 2533.794029 s^{10} \\
& + 2523.318694 s^9 + 2076.461143 s^8 + 17.25324475 s^4 + 236.2261008 s^5 - 15.20562443 s^3 \\
& - 13.73589924 s^2 + 2. s^{18} + 10.92100000 s^{17} + 52.36402500 s^{16} - 2.000000000 10^{-10} \\
& + 161.4973769 s^{15} + 421.7899132 s^{14} + 857.2821448 s^{13} + 1483.298712 s^{12}) / ((s^2 \\
& + 0.8110000000 s + 1) (s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s \\
& - 1.189000000) (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} \\
& + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 \\
& + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2) s (s^2 + 0.8110000000 s + 2.)),
\end{aligned}$$

$$\begin{aligned}
& -(-4.749953004 s + 623.9693500 s^7 + 507.1310207 s^6 + 266.9682007 s^{11} \\
& + 419.0950979 s^{10} + 560.7467039 s^9 + 640.1488407 s^8 + 168.1556310 s^4 + 334.3471484 s^5 \\
& + 55.59841659 s^3 - 2.378000000 + 5.866285581 s^2 + s^{16} + 5.055000000 s^{15} \\
& + 21.63221000 s^{14} + 61.65032730 s^{13} + 142.9341078 s^{12}) / ((s^2 + 0.8110000000 s \\
& + 1) (s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s - 1.189000000) ( \\
& -3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} \\
& + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 \\
& + 17.36817535 s^3 - 0.03288178900 s^2)), -((s^2 + 0.8110000000 s + 1) (s^2 \\
& + 0.8110000000 s + 2.) (1.273000000 s^5 + 1.032403000 s^4 + 5.092000000 s^3 \\
& + 0.5512090000 s^2 + 0.4811940000 s - 1.273000000)) / (-3.737880978 s \\
& + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 \\
& + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2) ], \\
& \left[ (-4.756000002 + 1546.223126 s^6 + 763.6450203 s^5 + 6357.087558 s^{10} \right. \\
& + 5477.538229 s^9 + 4156.104255 s^8 + 2784.804889 s^7 + 78.76026821 s^3 + 252.9102554 s^4 \\
& - 6.794784760 s^2 - 2.815348017 s + 604.0448065 s^{17} + 1274.266972 s^{16} \\
& + 5.055000000 s^{21} + 27.44311100 s^{20} + 87.59153086 s^{19} + 264.6534701 s^{18} + s^{22} \\
& + 2212.296014 s^{15} + 3525.815458 s^{14} + 4807.294427 s^{13} + 5982.016235 s^{12} \\
& + 6491.309434 s^{11}) / ((s^2 + 0.8110000000 s + 2.) (-3.737880978 s + 54.96701558 s^7 \\
& + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8
\end{aligned}$$

$$\begin{aligned}
& - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2) (s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s \\
& - 1.189000000) (s^2 + 1.)^3), (4.026623221 s + 676.0219159 s^7 + 218.7260896 s^6 \\
& + 2602.969069 s^{11} + 2499.070010 s^{10} + 1958.404588 s^9 + 1293.747877 s^8 \\
& - 47.16669391 s^4 + 42.79839281 s^5 - 10.95562631 s^3 - 12.06345971 s^2 + 45.83122200 s^{18} \\
& + 130.3309507 s^{17} + 2. s^{20} + 9.110000000 s^{19} + 353.1166513 s^{16} - 2.000000000 10^{-10} \\
& + 697.4261019 s^{15} + 1272.841640 s^{14} + 1839.010907 s^{13} + 2422.707667 s^{12}) / ((s^2 \\
& + 0.8110000000 s + 2.) s (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} \\
& + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 \\
& + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2) (s^5 + 0.8110000000 s^4 + 6. s^3 \\
& + 1.244000000 s^2 + 3.378000000 s - 1.189000000) (s^2 + 1.)^2), (-0.4797264210 \\
& + 1651.330498 s^6 + 735.6141280 s^5 + 4162.829404 s^{10} + 4330.732046 s^9 + 3819.425520 s^8 \\
& + 2798.391101 s^7 + 11.61803130 s^3 + 209.3249478 s^4 - 20.23570689 s^2 - 7.841032336 s \\
& + 33.30004200 s^{17} + 116.2090366 s^{16} + s^{19} + 6.677000000 s^{18} + 328.2558455 s^{15} \\
& + 754.7739853 s^{14} + 1464.717387 s^{13} + 2416.758030 s^{12} + 3422.012187 s^{11}) / ((s^2 \\
& + 0.8110000000 s + 2.) (s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s \\
& - 1.189000000) (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11}
\end{aligned}$$

$$\begin{aligned}
& + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 \\
& + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2) (s + 0.8110000000)^3), \\
& (19.023999999 + 252.3645783 s^6 - 473.0586454 s^5 + 5247.461414 s^{10} + 4771.591738 s^9 \\
& + 3343.673051 s^8 + 1620.880467 s^7 - 319.8340468 s^3 - 486.5208613 s^4 - 68.09395600 s^2 \\
& - 11.35814396 s + 59.54395600 s^{17} + 195.5614602 s^{16} + 2. s^{19} + 11.54300000 s^{18} \\
& + 555.6516682 s^{15} + 1219.966511 s^{14} + 2321.886057 s^{13} + 3599.236412 s^{12} \\
& + 4806.912563 s^{11}) / ((-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} \\
& + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 \\
& + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2) (s^2 + 0.8110000000 s + 2.)^3 (s^5 \\
& + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s - 1.189000000)), \\
& (4.026623221 s + 1051.923885 s^7 + 521.6277078 s^6 + 1339.254980 s^{11} + 1727.606258 s^{10} \\
& + 1793.296474 s^9 + 1557.333106 s^8 - 15.56655925 s^4 + 163.9958275 s^5 - 21.82422074 s^3 \\
& - 16.81945971 s^2 + s^{18} + 5.055000000 s^{17} + 26.44311100 s^{16} - 2.000000000 10^{-10} \\
& + 81.53653086 s^{15} + 230.1553591 s^{14} + 483.7111645 s^{13} + 902.4194346 s^{12}) / ((s^2 \\
& + 0.8110000000 s + 2.) s (s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s \\
& - 1.189000000) (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} \\
& + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 \\
& + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2)), (2.378000000
\end{aligned}$$

$$\begin{aligned}
& -144.6191971 s^6 - 148.3618220 s^5 + 35.08401577 s^{10} + 18.34023220 s^9 - 23.90518367 s^8 \\
& - 93.74258447 s^7 - 49.48878859 s^3 - 107.8547222 s^4 - 11.95353203 s^2 + 2.456706615 s \\
& + s^{14} + 3.244000000 s^{13} + 12.75722700 s^{12} + 22.85030876 s^{11}) / ((s^5 + 0.8110000000 s^4 \\
& + 6. s^3 + 1.244000000 s^2 + 3.378000000 s - 1.189000000) (-3.737880978 s \\
& + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 \\
& + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2)), -(1. (s^2 + 0.8110000000 s + 2.) (2.546000000 s^3 \\
& - 0.2405970000 s^2 + 1.513597000 s - 1.273000000) (s^2 + 0.8110000000 s + 1)) / ( \\
& -3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} \\
& + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 \\
& + 17.36817535 s^3 - 0.03288178900 s^2) ], \\
& \left[ -(-4.751096484 s + 641.7788725 s^7 + 500.7011144 s^6 + 224.3627841 s^{11} \right. \\
& + 376.3350365 s^{10} + 557.4348179 s^9 + 641.1842783 s^8 + 152.7759323 s^4 + 326.0668818 s^5 \\
& + 48.61140066 s^3 + 3.564808430 s^2 - 1.928322578 + 2. s^{15} + 8.488000000 s^{14} \\
& + 38.00245400 s^{13} + 97.05707153 s^{12}) / ((s^5 + 0.8110000000 s^4 + 6. s^3 + 1.2440000000 s^2 \\
& + 3.378000000 s - 1.189000000) (s^2 + 1.) (-3.737880978 s + 54.96701558 s^7 \\
& + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 \\
& - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2)), (-0.6120152600 s + 124.1762067 s^7 + 67.16567457 s^6 \\
& + 43.47353576 s^{11} + 90.99055153 s^{10} + 131.3664826 s^9 + 156.3084355 s^8
\end{aligned}$$



$$\begin{aligned}
& -25.91886739 s^4 + 1.919479784 s^5 - 24.85972338 s^3 - 9.327382144 s^2 + 1.563869611 \\
& + s^{14} + 4.244000000 s^{13} + 18.00122700 s^{12}) / ((s^5 + 0.8110000000 s^4 + 6. s^3 \\
& + 1.244000000 s^2 + 3.378000000 s - 1.189000000) (-3.737880978 s + 54.96701558 s^7 \\
& + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 \\
& - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2)), -((s^2 + 1.) (-4.670812566 s + 695.8307431 s^7 \\
& + 561.9961242 s^6 + 138.4919435 s^{11} + 300.3253048 s^{10} + 506.2958255 s^9 \\
& + 669.0418456 s^8 - 1.028589884 + 143.9854017 s^4 + 341.1498032 s^5 + 32.06919014 s^3 \\
& - 3.560389260 s^2 + 2. s^{14} + 11.73200000 s^{13} + 48.27453100 s^{12})) / ((s^5 \\
& + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s - 1.189000000) ( \\
& -3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} \\
& + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 \\
& + 17.36817535 s^3 - 0.03288178900 s^2) (s + 0.8110000000)^3), ((s^2 + 1.) ( \\
& -7.714231990 + 1099.577193 s^6 + 803.4838724 s^5 + 455.9024844 s^{10} + 764.5970826 s^9 \\
& + 1051.143716 s^8 + 1190.133975 s^7 + 167.1933115 s^3 + 449.6564863 s^4 + 26.30732346 s^2 \\
& - 10.95037340 s + s^{15} + 5.866000000 s^{14} + 27.73181500 s^{13} + 87.49304961 s^{12} \\
& + 225.0423382 s^{11}) s) / ((s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s
\end{aligned}$$

$$\begin{aligned}
& - 1.189000000) (s^2 + 0.8110000000 s + 2.)^2 (-3.737880978 s + 54.96701558 s^7 \\
& + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 \\
& - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2)), -((s^2 + 1.) (6.140155272 s^2 + 80.36855153 s^8 \\
& + 115.5479468 s^7 + s^{12} + 4.244000000 s^{11} + 17.00122700 s^{10} + 40.85153576 s^9 \\
& - 1.316307318 s + 113.6941598 s^5 + 132.3975008 s^6 + 73.14120926 s^4 + 31.66916172 s^3 \\
& - 1.563869611)) / ((s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 + 3.378000000 s \\
& - 1.189000000) (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} \\
& + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 \\
& + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2)), ((-1.202646033 s \\
& + 55.77791658 s^7 + 68.33913425 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 \\
& + 29.32149686 s^8 - 0.9641612890 + 46.52071274 s^4 + 69.69811606 s^5 + 22.43864524 s^3 \\
& + 4.374472778 s^2) (s^2 + 0.8110000000 s + 2.) (s^2 + 1.)) / ((s^5 + 0.8110000000 s^4 \\
& + 6. s^3 + 1.244000000 s^2 + 3.378000000 s - 1.189000000) (-3.737880978 s \\
& + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 \\
& + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2)), -((1.273000000 s + 1.032403000) s (s^2 + 0.8110000000 s \\
& + 1) (s^2 + 0.8110000000 s + 2.) (s^2 + 1.)) / (-3.737880978 s + 54.96701558 s^7 \\
& + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 \\
& - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2) ],
\end{aligned}$$

$$\begin{aligned}
& \left[ ( (1.911000000 s^8 + 9.118936554 s^6 + 2.583035000 s^7 + 7.749105000 s^5 \right. \\
& + 13.77887311 s^4 + 7.749105000 s^3 + 7.844936554 s^2 + 2.583035000 s + 1.274000000) \\
& (s^2 + 0.8110000000 s + 1) ) / ( (s^2 + 1.)^2 (-3.737880978 s + 54.96701558 s^7 \\
& + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 \\
& - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2) ), - (1. (0.6370000000 s^3 + 0.5166070000 s^2 - 1.274000000 s \\
& + 0.1203930000) (s^2 + 0.8110000000 s + 2.) (s^2 + 0.8110000000 s + 1) ) / ( \\
& -3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} \\
& + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 \\
& + 17.36817535 s^3 - 0.03288178900 s^2) ), - ( -4.761650925 s + 8.867452090 s^7 \\
& + 9.400042046 s^6 + 0.6370000000 s^{10} + 2.066428000 s^9 + 5.698809662 s^8 - 0.8379365540 \\
& - 4.963507828 s^4 + 4.186922680 s^5 - 10.47759791 s^3 - 9.815961254 s^2) ) / ( (s \\
& + 0.8110000000) ^2 (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} \\
& + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 \\
& + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2) ), ( -3.169712000 s \\
& - 2.548000000 + 30.33556621 s^7 + 33.86021858 s^6 + 0.6370000000 s^{11} + 2.066428000 s^{10} \\
& + 8.246809662 s^9 + 15.58334309 s^8 + 19.35079402 s^4 + 37.17636525 s^5 + 9.193811430 s^3 \\
& - 4.525337817 s^2) ) / ( (s^2 + 0.8110000000 s + 2.) (-3.737880978 s + 54.96701558 s^7
\end{aligned}$$

$$\begin{aligned}
& + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 \\
& - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 \\
& - 0.03288178900 s^2), (1. (1.274000000 s^3 + 0.5166070000 s^2 + 1.911000000 s \\
& - 0.1203930000) (s^2 + 0.8110000000 s + 2.) (s^2 + 0.8110000000 s + 1)) / ( \\
& -3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} + 3.433000000 s^{10} \\
& + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 + 66.47627421 s^5 \\
& + 17.36817535 s^3 - 0.03288178900 s^2), - (1. (0.6370000000 s^4 + 0.5166070000 s^3 \\
& + 0.6370000000 s^2 + 1.153607000 s + 0.6370000000) (s^2 + 0.8110000000 s + 2.) (s^2 \\
& + 0.8110000000 s + 1)) / (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 + s^{11} \\
& + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 + 41.98906408 s^4 \\
& + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2), (s (s^2 + 0.8110000000 s \\
& + 2.) (s^2 + 0.8110000000 s + 1) (s^5 + 0.8110000000 s^4 + 6. s^3 + 1.244000000 s^2 \\
& + 3.378000000 s - 1.189000000)) / (-3.737880978 s + 54.96701558 s^7 + 66.36621212 s^6 \\
& + s^{11} + 3.433000000 s^{10} + 14.21706400 s^9 + 29.32149686 s^8 - 1.621802000 \\
& + 41.98906408 s^4 + 66.47627421 s^5 + 17.36817535 s^3 - 0.03288178900 s^2) ] ]
\end{aligned}$$