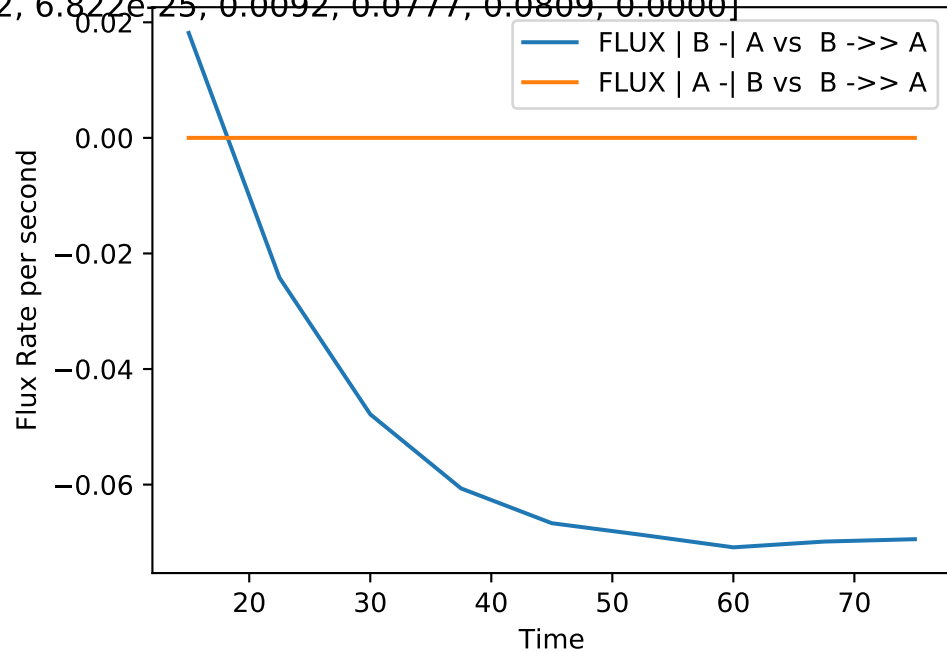
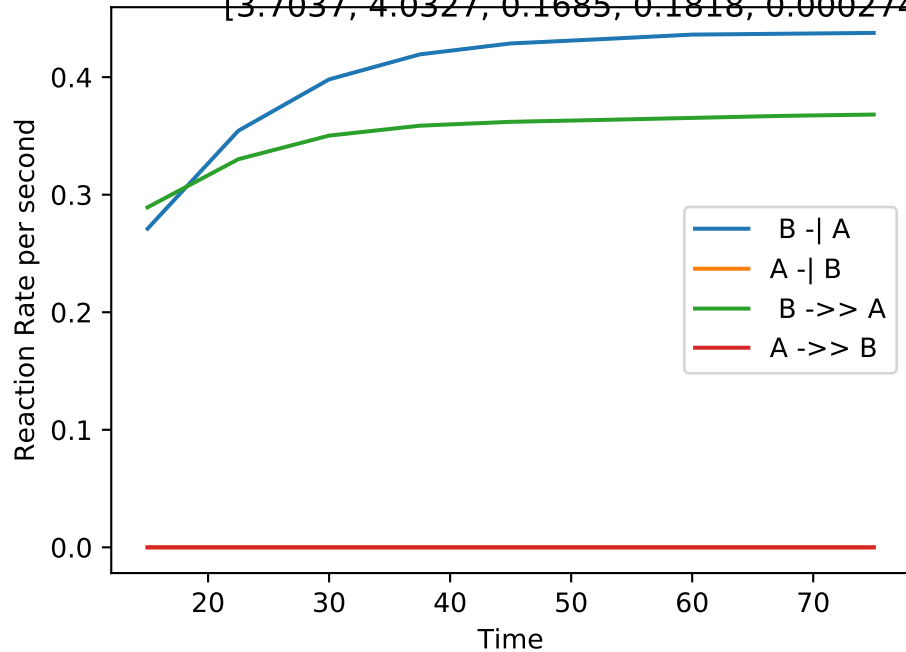


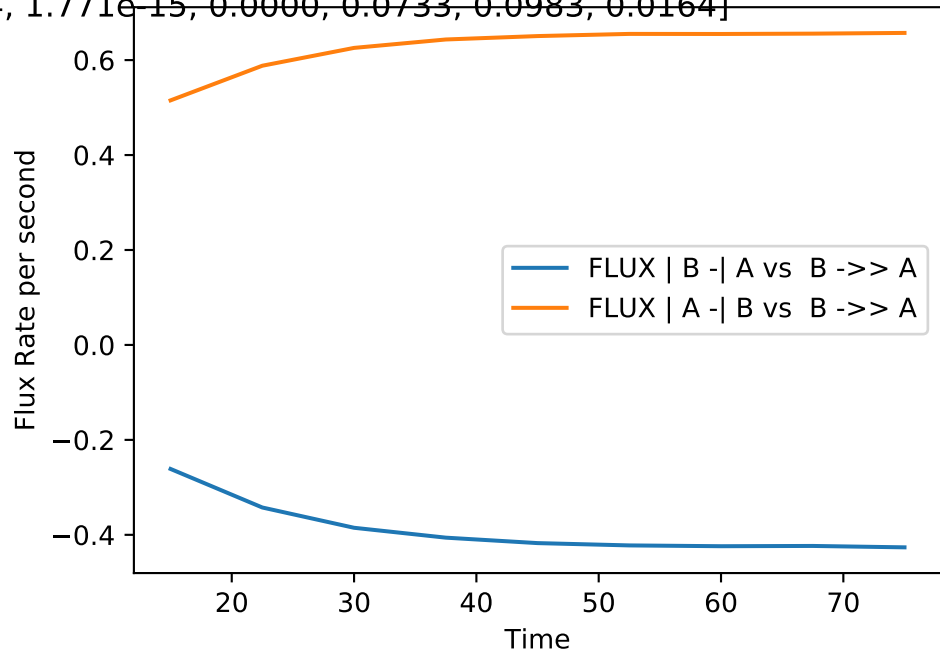
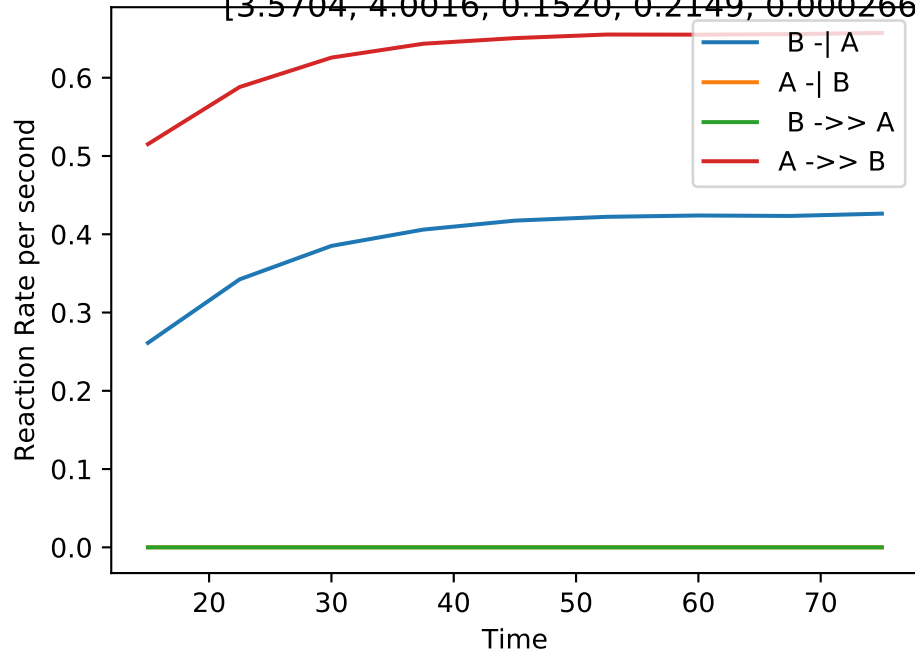
No_up | NLLA No_up(#0):

[3.7037, 4.0327, 0.1685, 0.1818, 0.0002742, 6.822e-25, 0.0092, 0.0777, 0.0809, 0.0000]



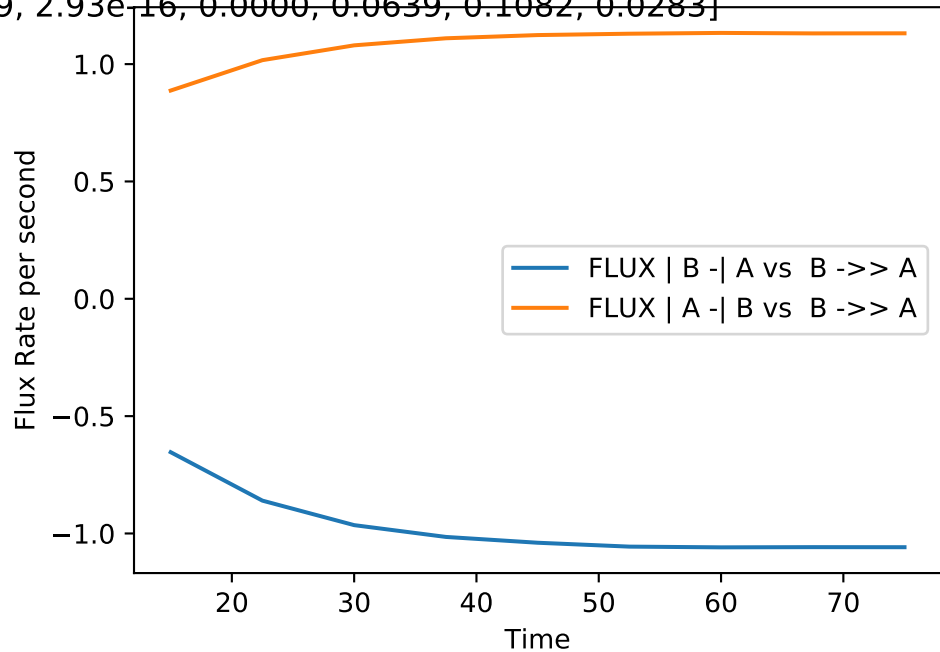
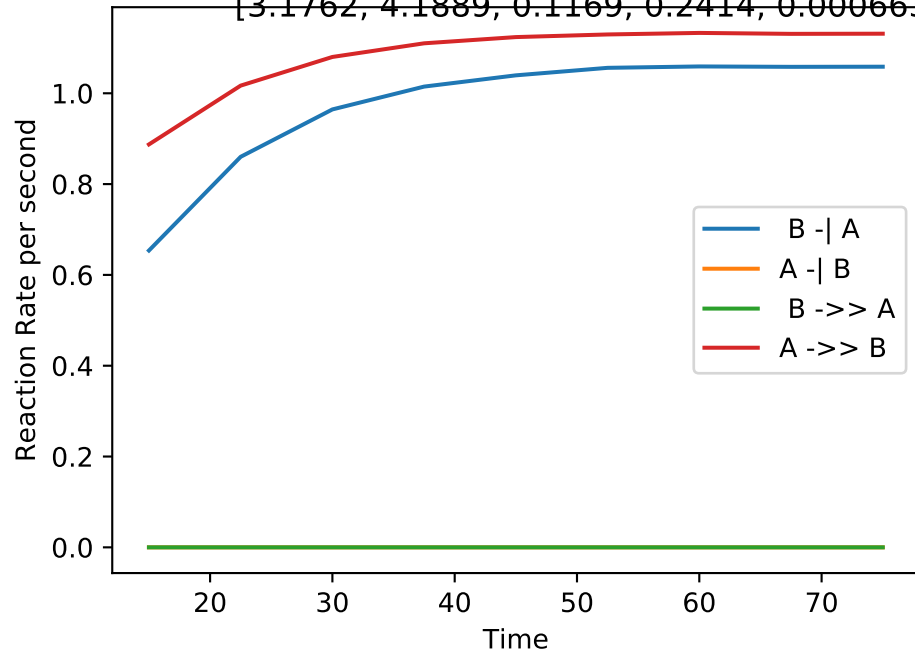
No_up | NLLA No_up(#1):

[3.5704, 4.0016, 0.1520, 0.2149, 0.0002664, 1.771e-15, 0.0000, 0.0733, 0.0983, 0.0164]



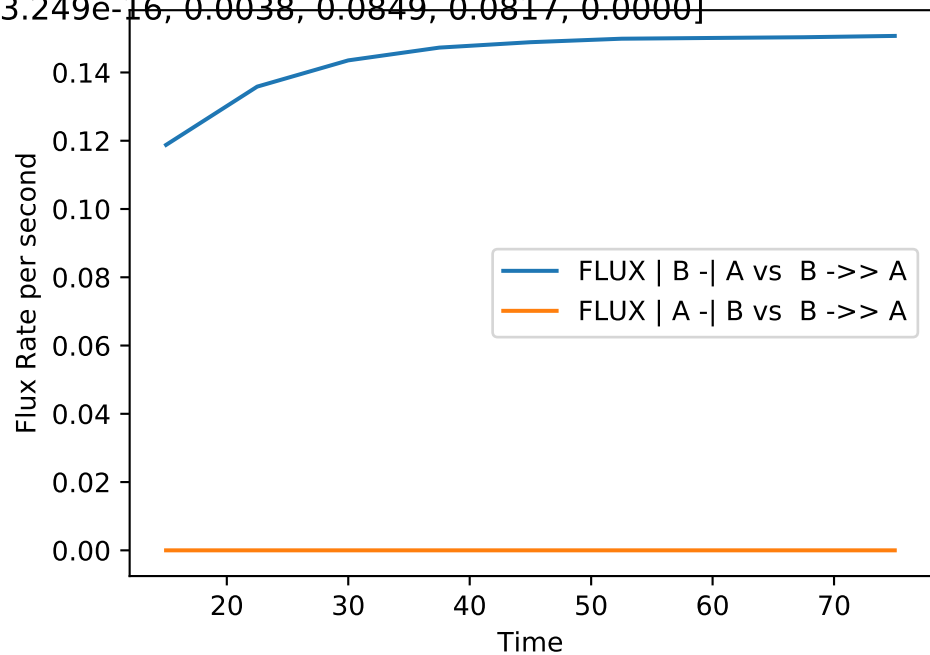
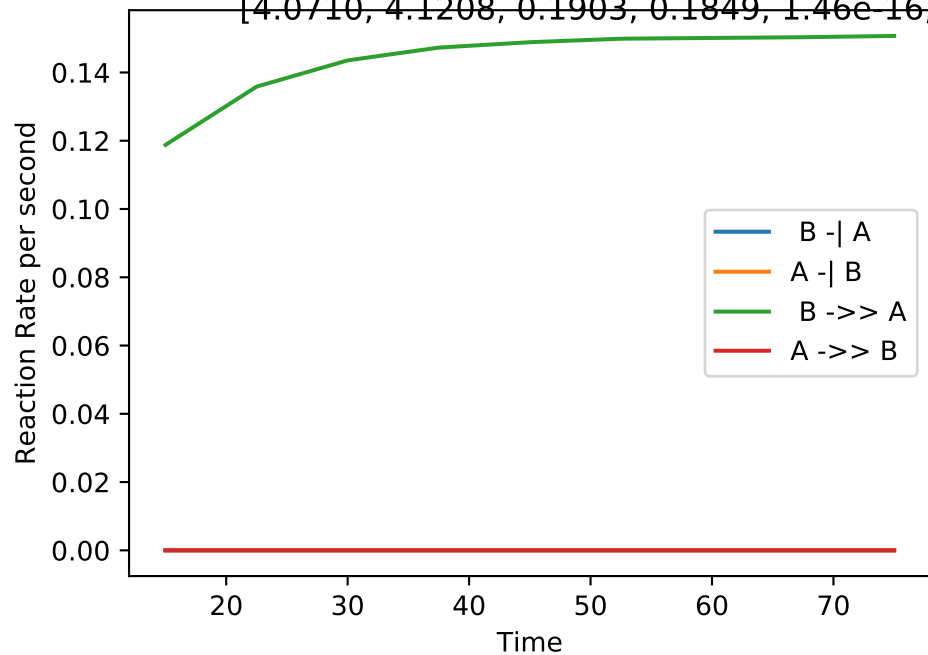
No_up | NLLA No_up(#2):

[3.1762, 4.1889, 0.1169, 0.2414, 0.0006639, 2.93e-16, 0.0000, 0.0639, 0.1082, 0.0283]



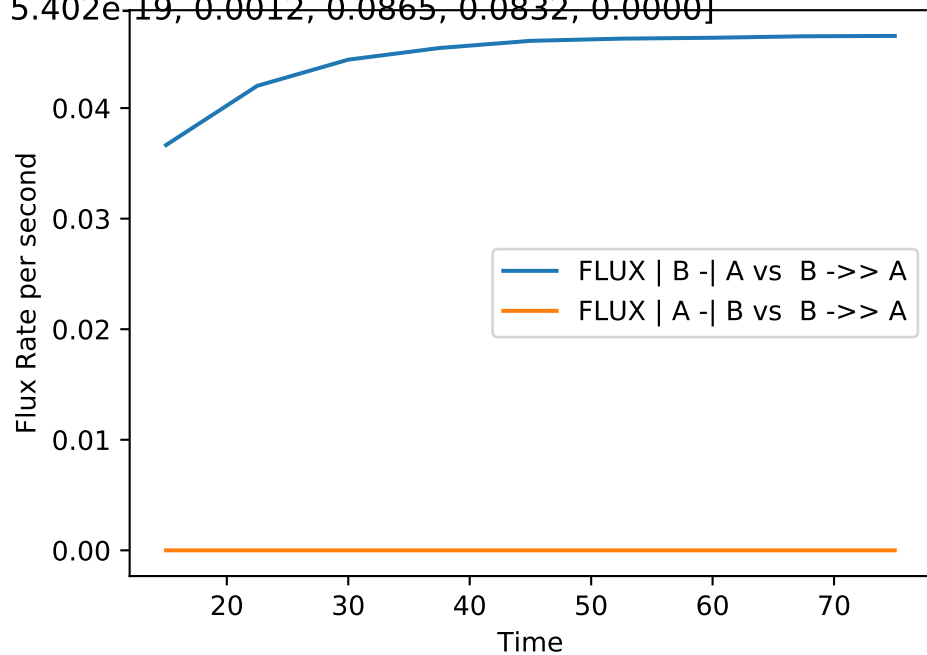
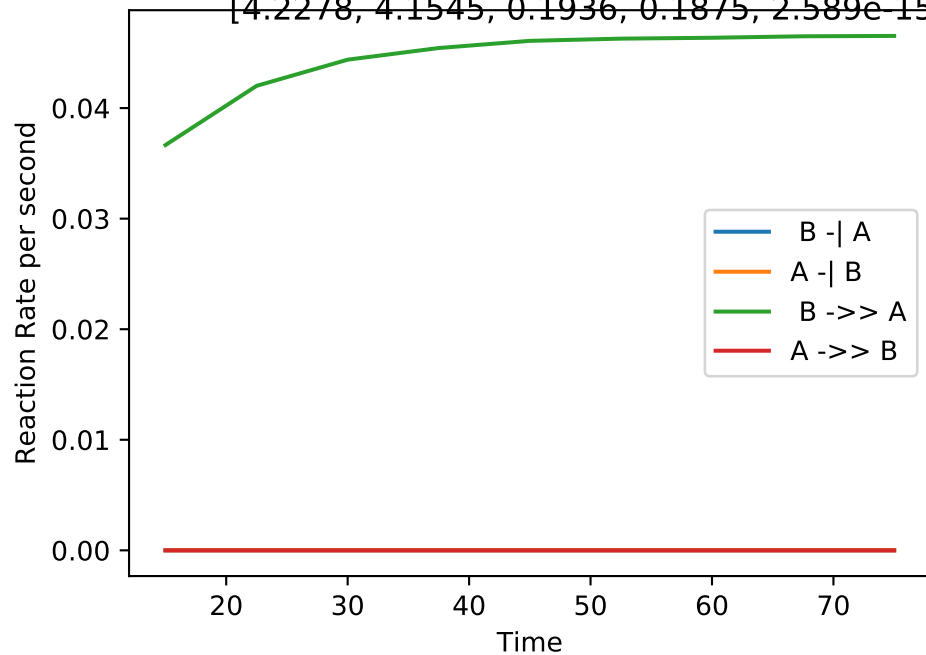
No_up | NLLA No_up(#3):

[4.0710, 4.1208, 0.1903, 0.1849, 1.46e-16, 3.249e-16, 0.0038, 0.0849, 0.0817, 0.0000]



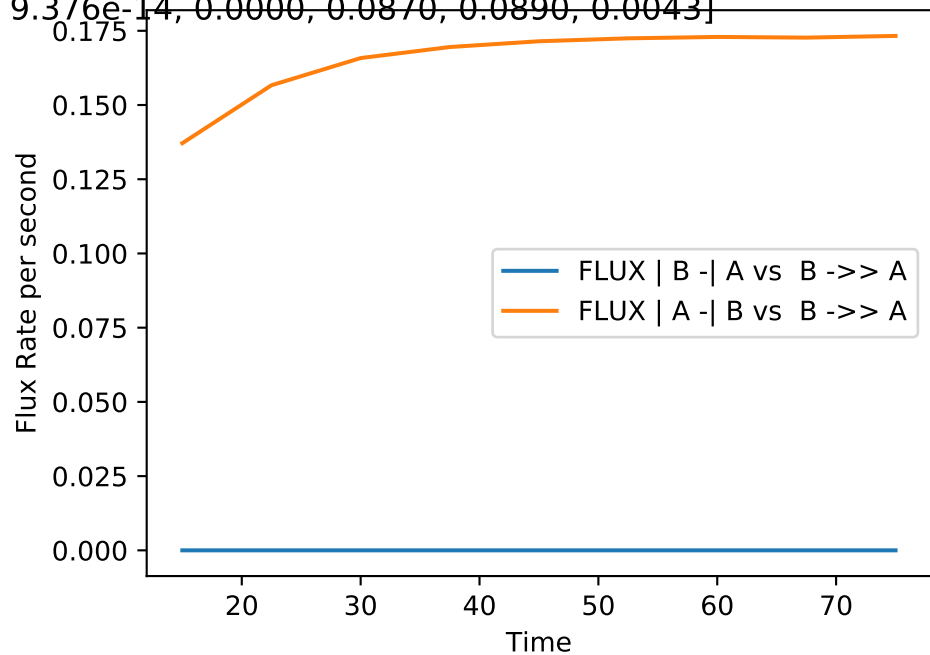
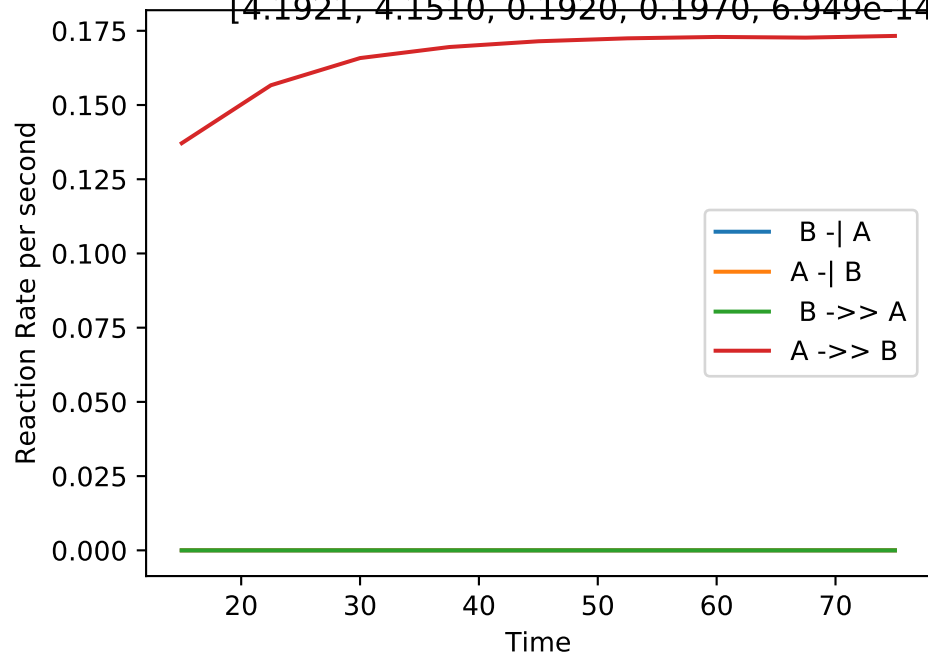
No_up | NLLA No_up(#4):

[4.2278, 4.1545, 0.1936, 0.1875, 2.589e-15, 5.402e-19, 0.0012, 0.0865, 0.0832, 0.0000]



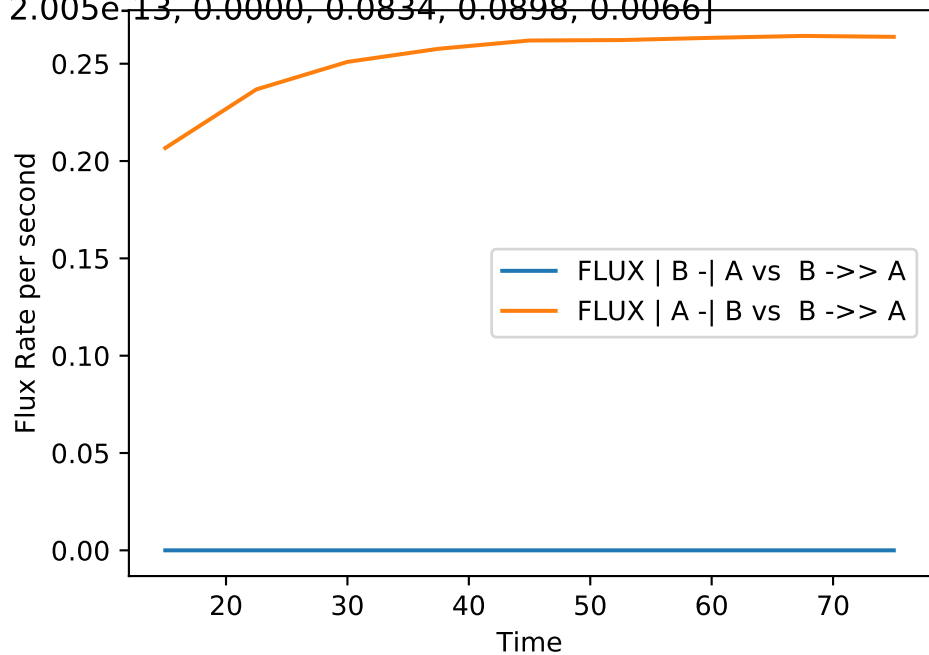
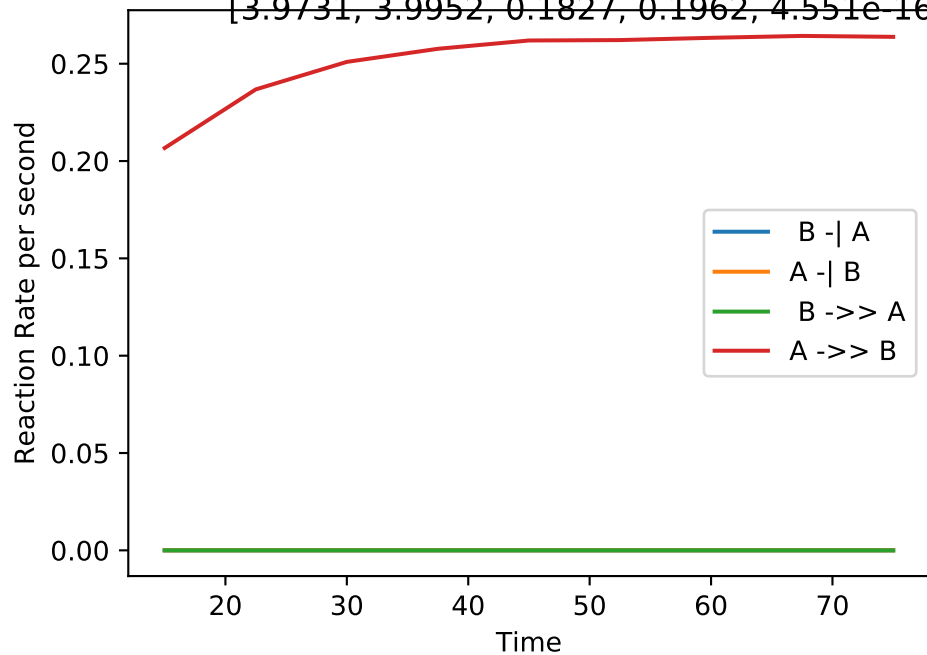
No_up | NLLA No_up(#5):

[4.1921, 4.1510, 0.1920, 0.1970, 6.949e-14, 9.376e-14, 0.0000, 0.0870, 0.0890, 0.0043]



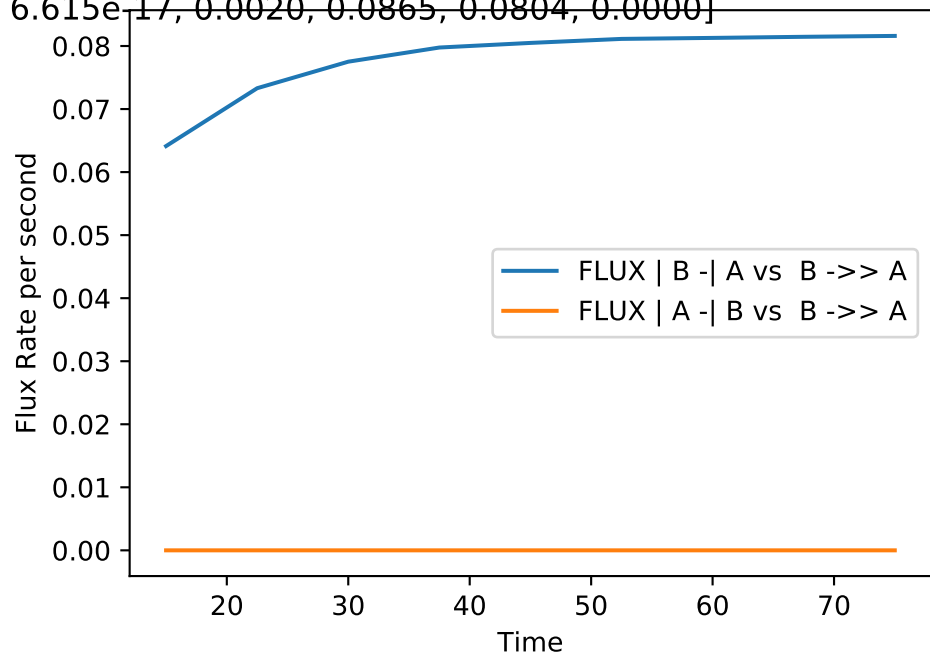
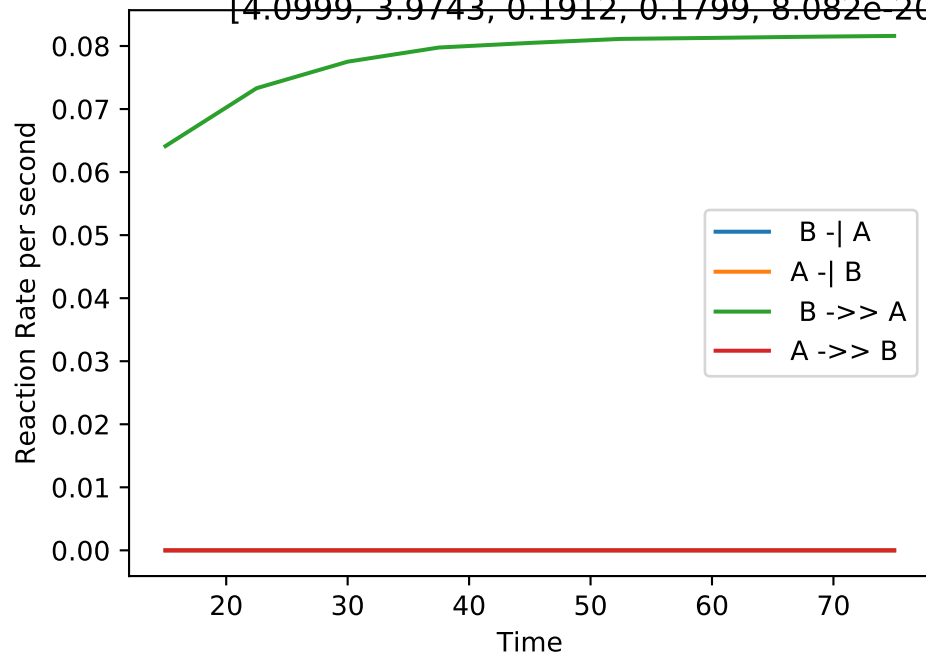
No_up | NLLA No_up(#6):

[3.9731, 3.9952, 0.1827, 0.1962, 4.551e-16, 2.005e-13, 0.0000, 0.0834, 0.0898, 0.0066]



No_up | NLLA No_up(#7):

[4.0999, 3.9743, 0.1912, 0.1799, 8.082e-20, 6.615e-17, 0.0020, 0.0865, 0.0804, 0.0000]



No_up | NLLA No_up(#8):

[4.1262, 3.9680, 0.1919, 0.1798, 1.072e-15, 5.042e-19, 0.0026, 0.0859, 0.0806, 0.0000]

Reaction Rate per second

0.10
0.08
0.06
0.04
0.02
0.00

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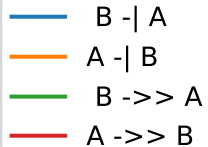
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Time



Flux Rate per second

0.10
0.08
0.06
0.04
0.02
0.00

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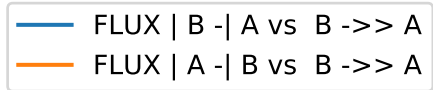
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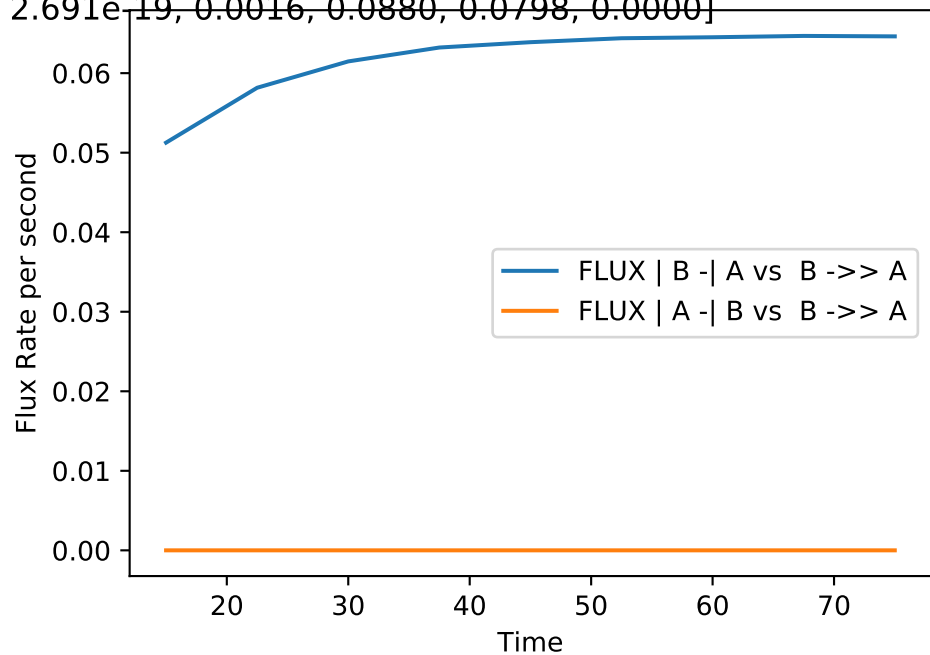
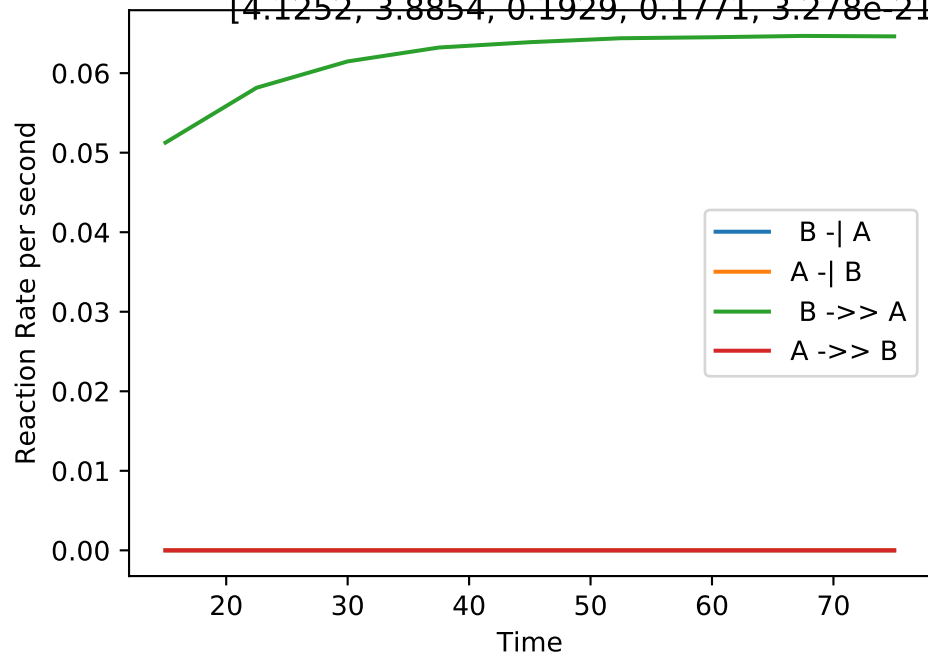
70

Time



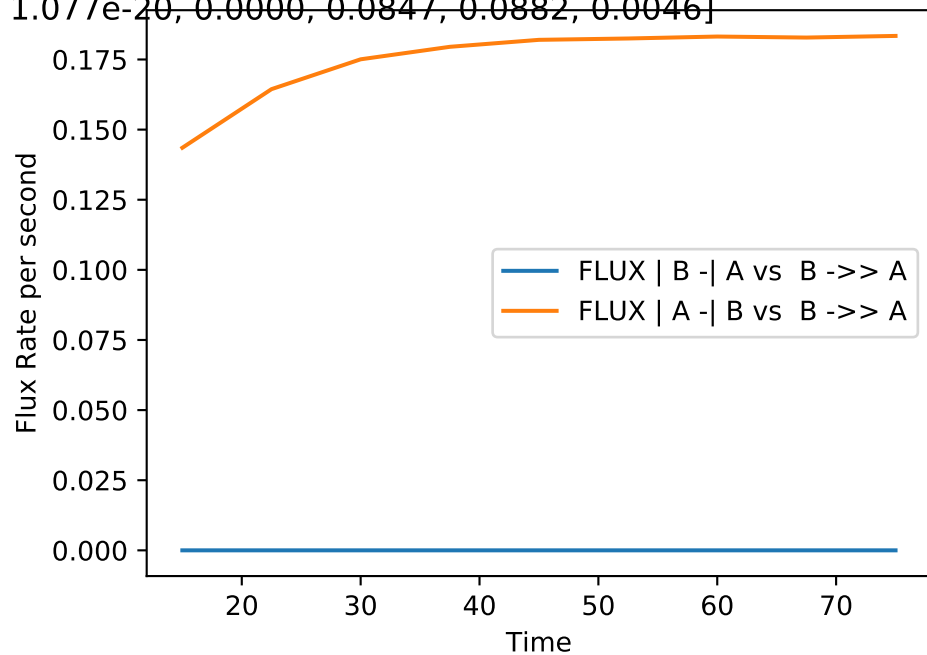
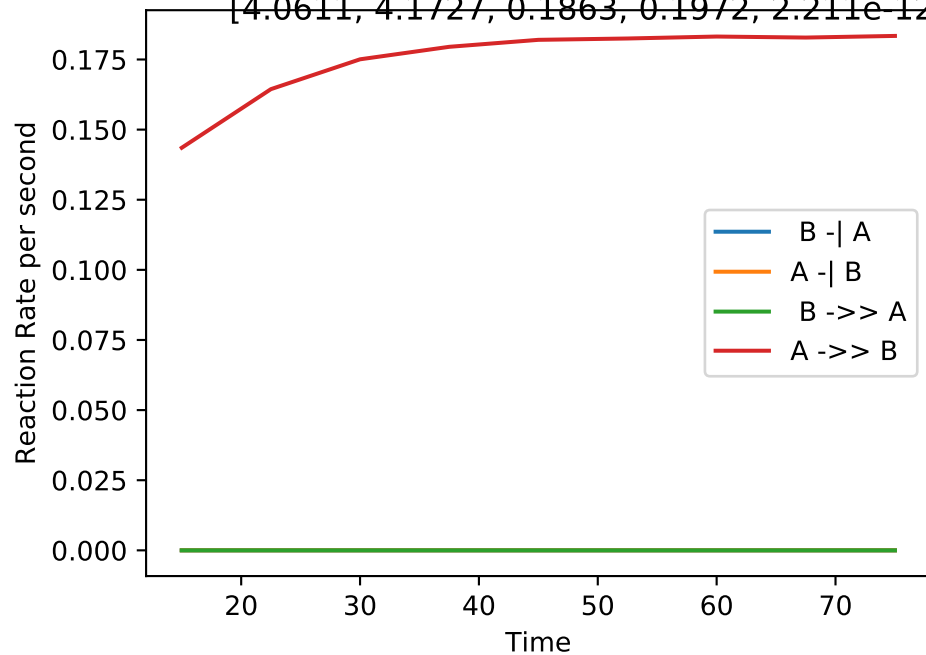
No_up | NLLA No_up(#9):

[4.1252, 3.8854, 0.1929, 0.1771, 3.278e-21, 2.691e-19, 0.0016, 0.0880, 0.0798, 0.0000]



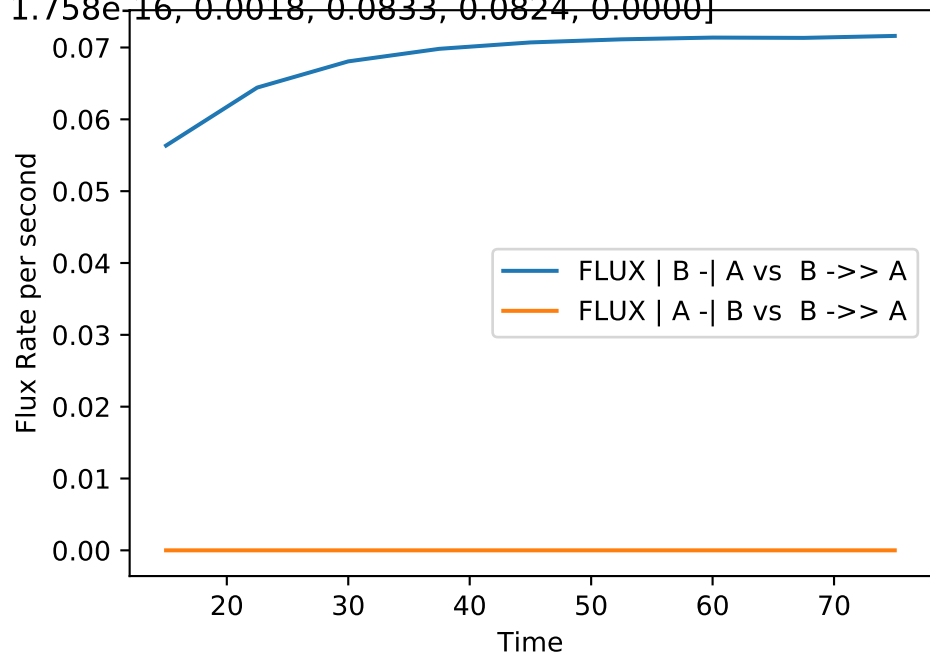
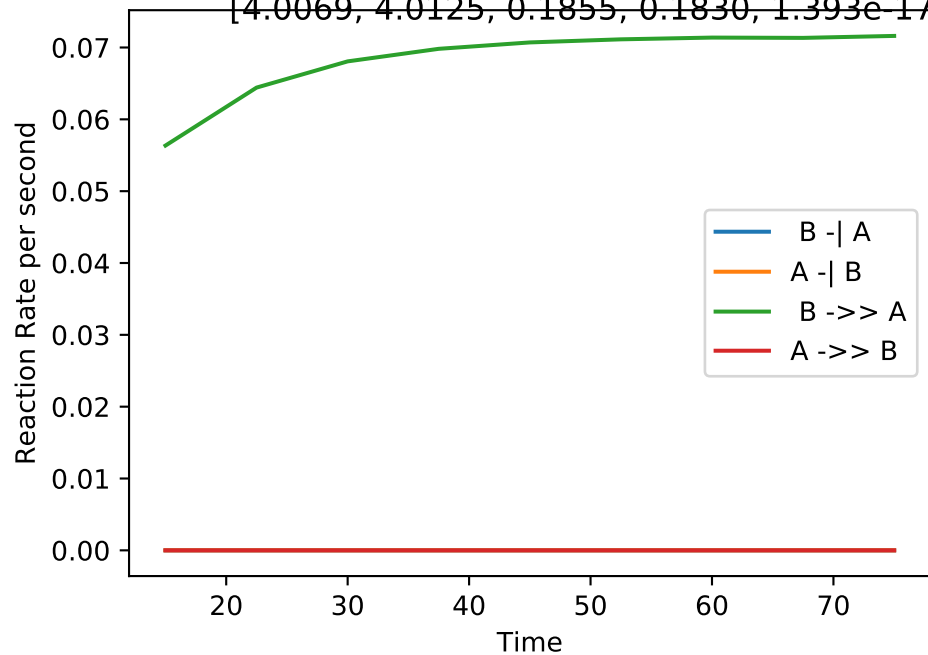
No_up | NLLA No_up(#10):

[4.0611, 4.1727, 0.1863, 0.1972, 2.211e-12, 1.077e-20, 0.0000, 0.0847, 0.0882, 0.0046]



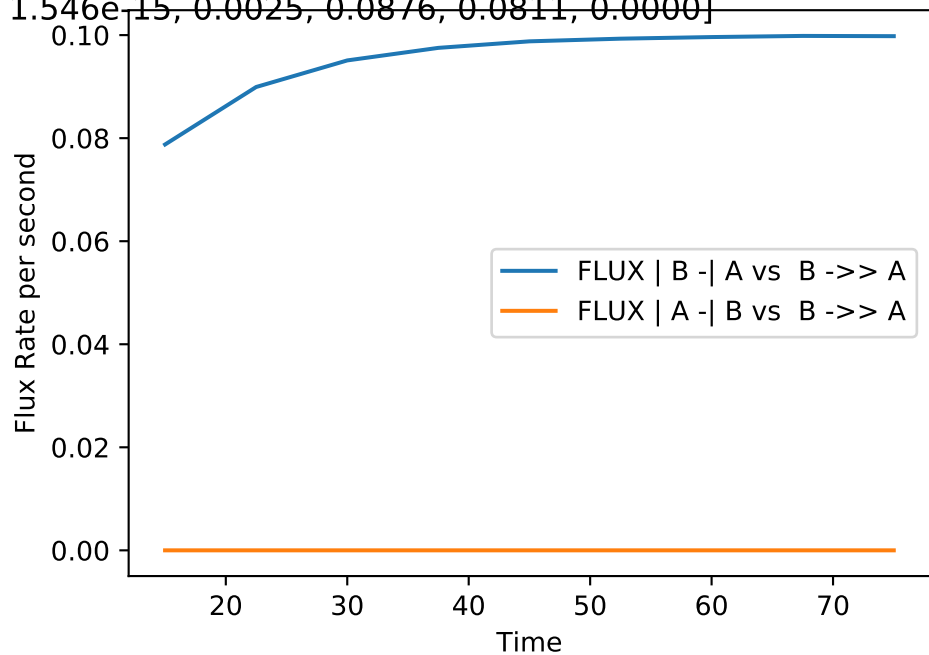
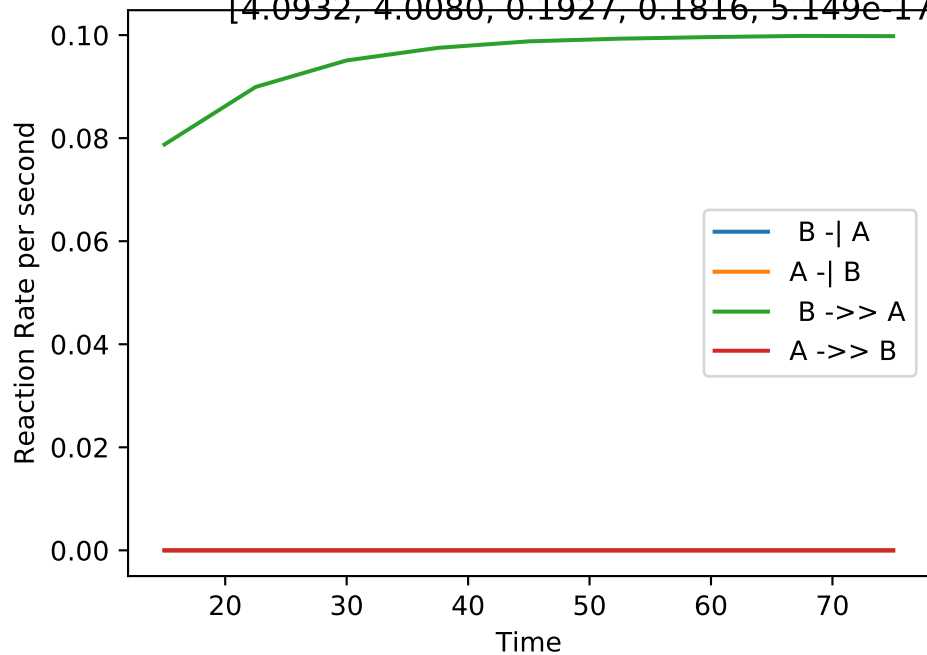
No_up | NLLA No_up(#11):

[4.0069, 4.0125, 0.1855, 0.1830, 1.393e-17, 1.758e-16, 0.0018, 0.0833, 0.0824, 0.0000]



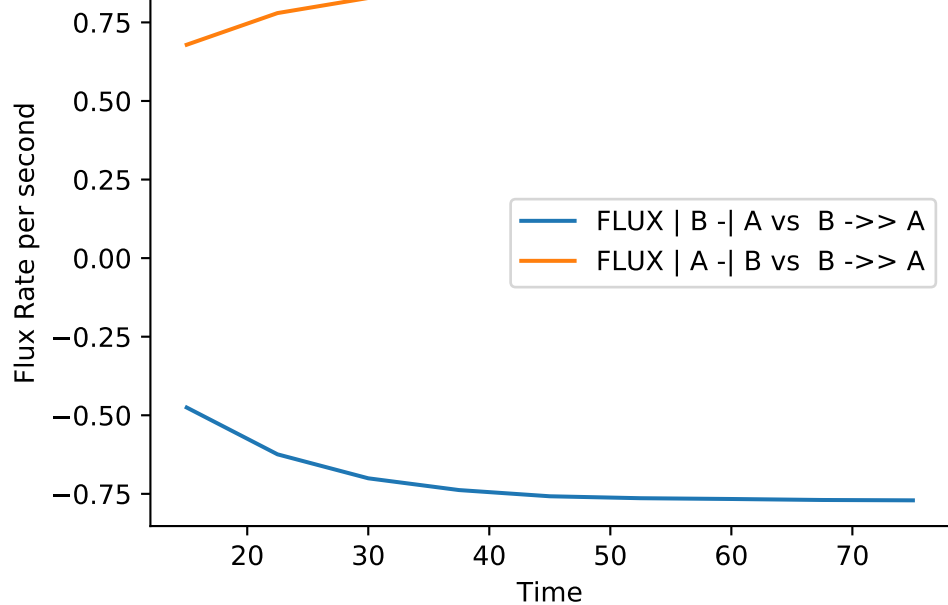
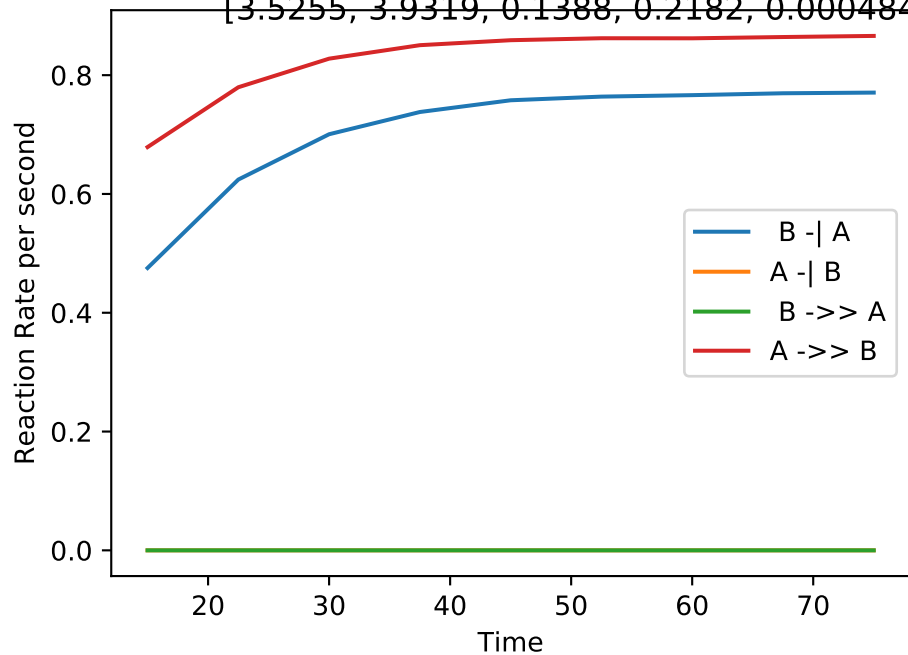
No_up | NLLA No_up(#12):

[4.0932, 4.0080, 0.1927, 0.1816, 5.149e-17, 1.546e-15, 0.0025, 0.0876, 0.0811, 0.0000]



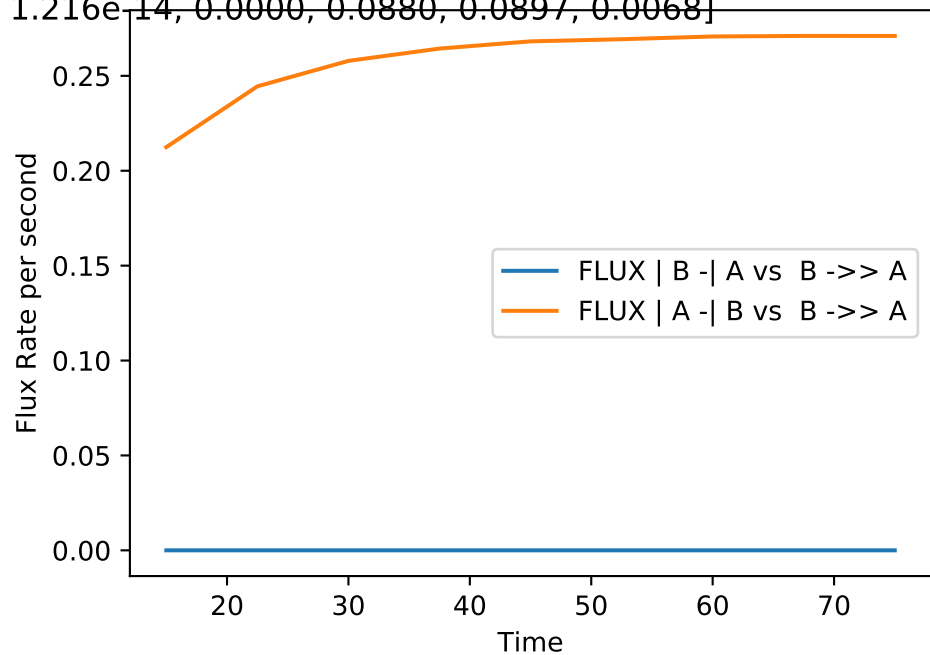
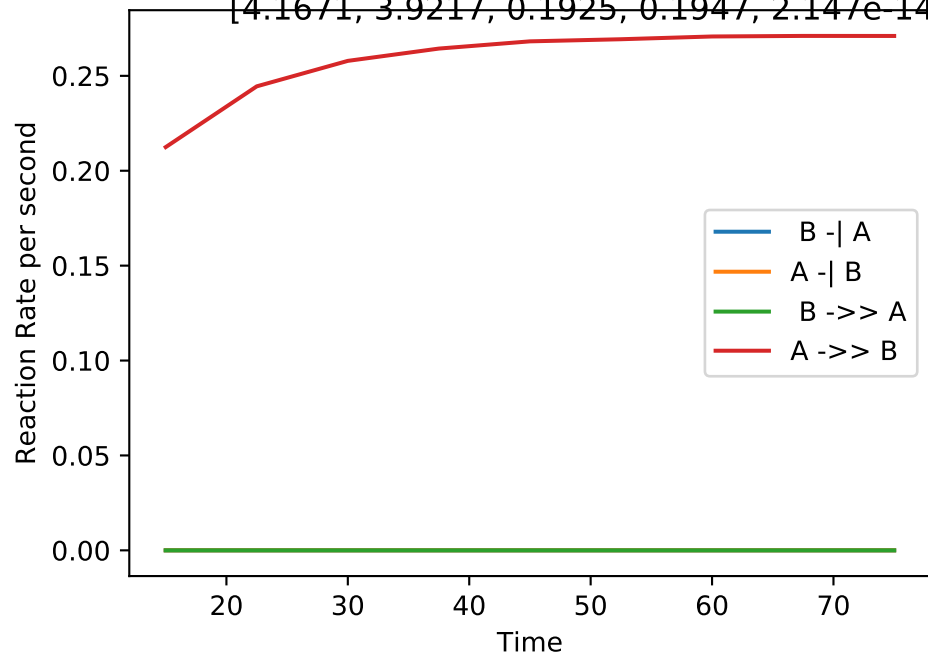
No_up | NLLA No_up(#13):

[3.5255, 3.9319, 0.1388, 0.2182, 0.0004841, 3.972e-15, 0.0000, 0.0697, 0.0979, 0.0217]



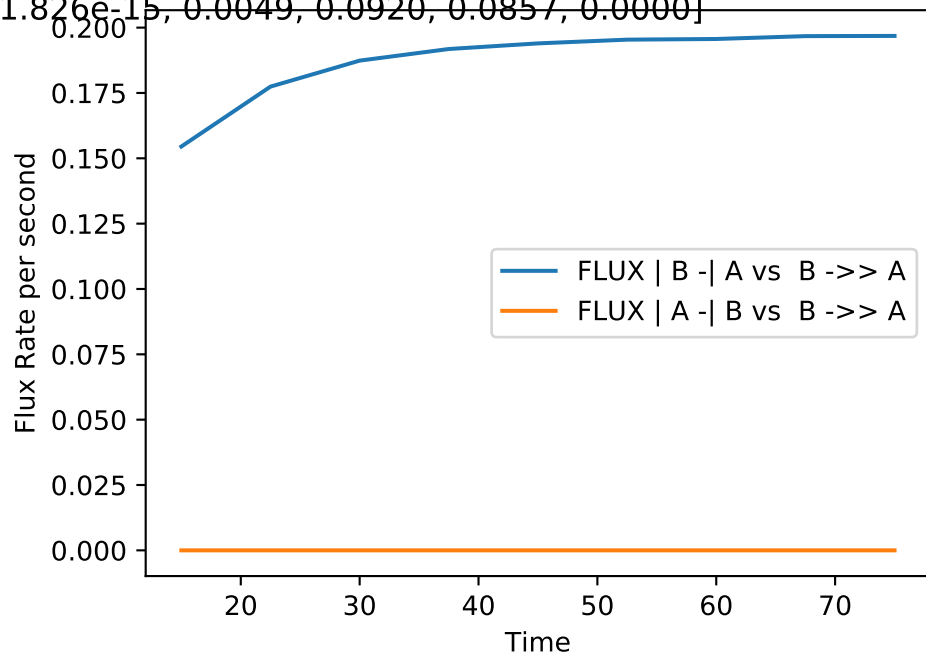
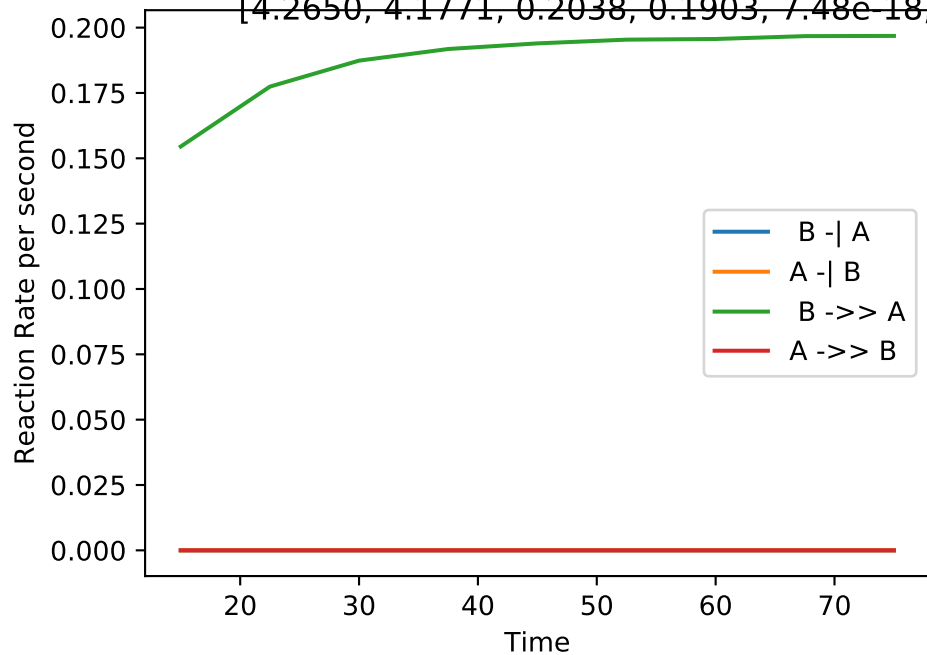
No_up | NLLA No_up(#14):

[4.1671, 3.9217, 0.1925, 0.1947, 2.147e-14, 1.216e-14, 0.0000, 0.0880, 0.0897, 0.0068]



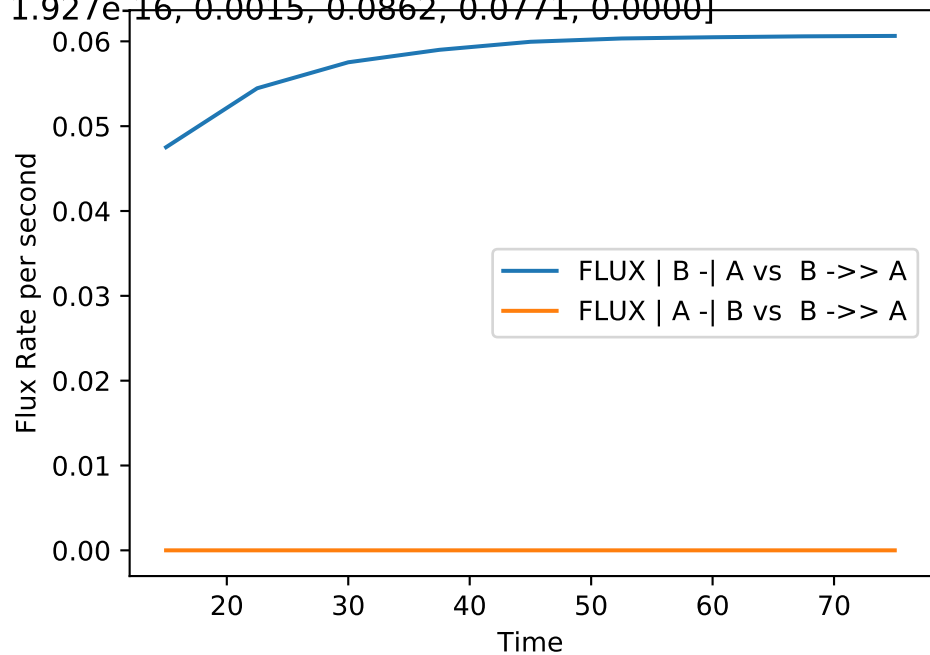
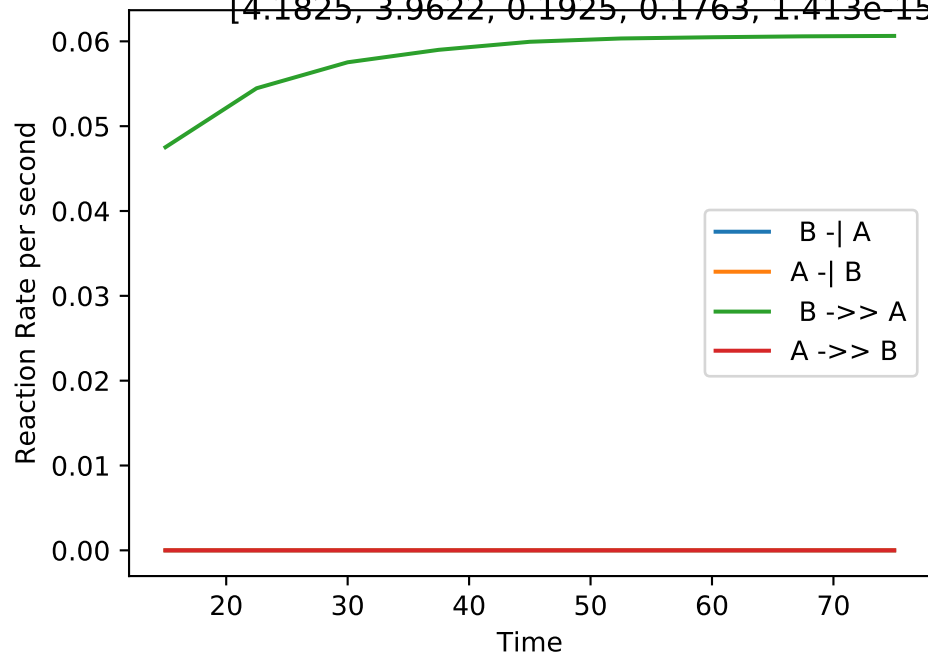
No_up | NLLA No_up(#15):

[4.2650, 4.1771, 0.2038, 0.1903, 7.48e-18, 1.826e-15, 0.0049, 0.0920, 0.0857, 0.0000]



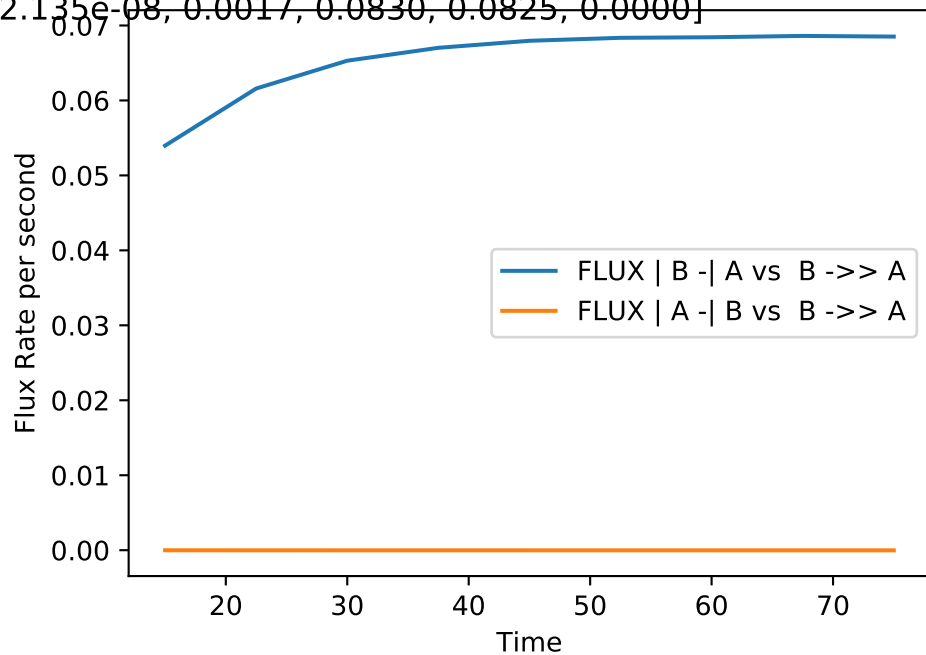
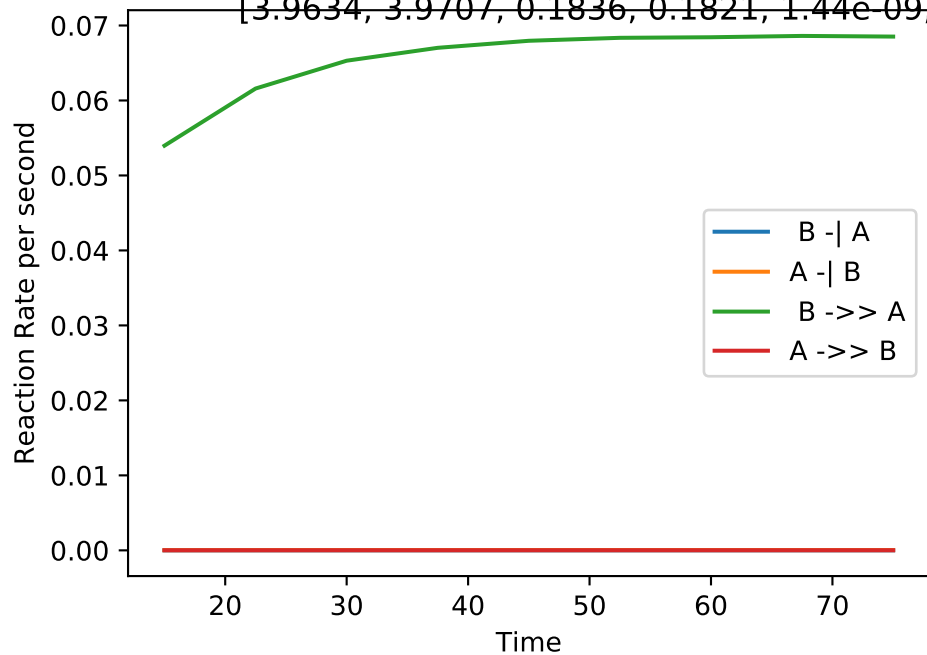
No_up | NLLA No_up(#16):

[4.1825, 3.9622, 0.1925, 0.1763, 1.413e-15, 1.927e-16, 0.0015, 0.0862, 0.0771, 0.0000]



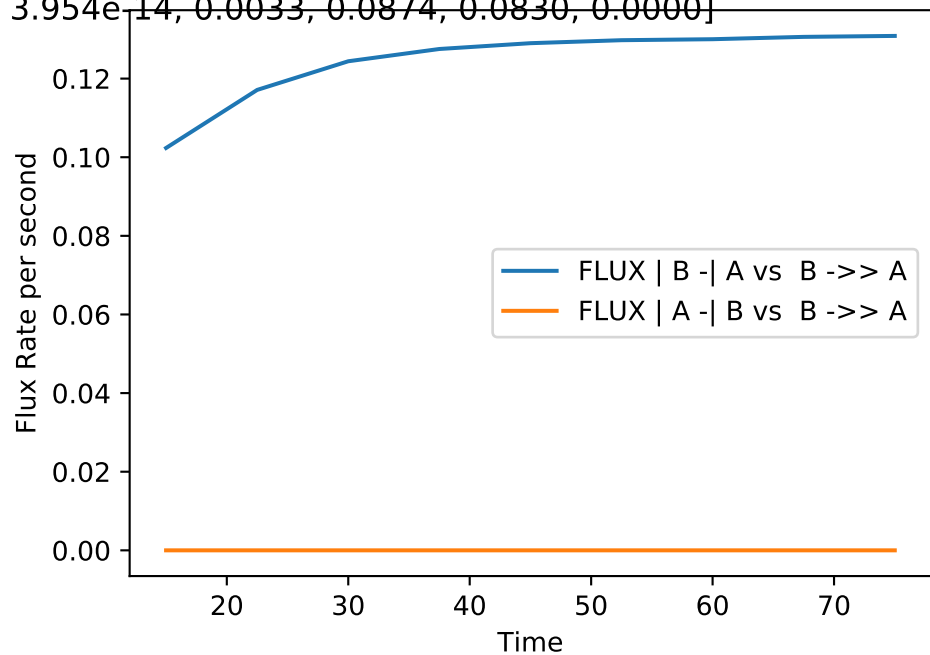
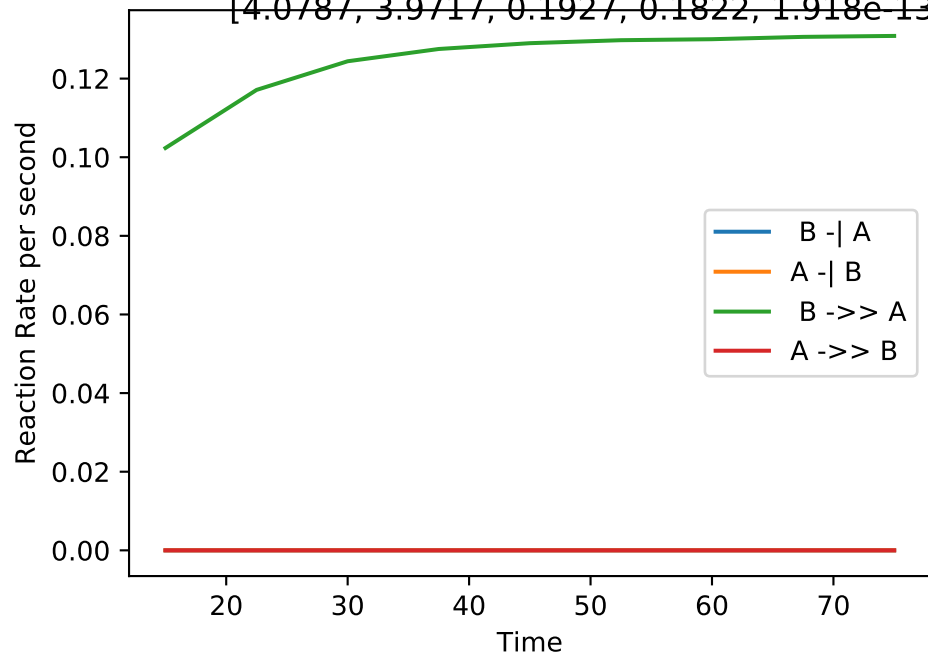
No_up | NLLA No_up(#17):

[3.9634, 3.9707, 0.1836, 0.1821, 1.44e-09, 2.135e-08, 0.0017, 0.0830, 0.0825, 0.0000]



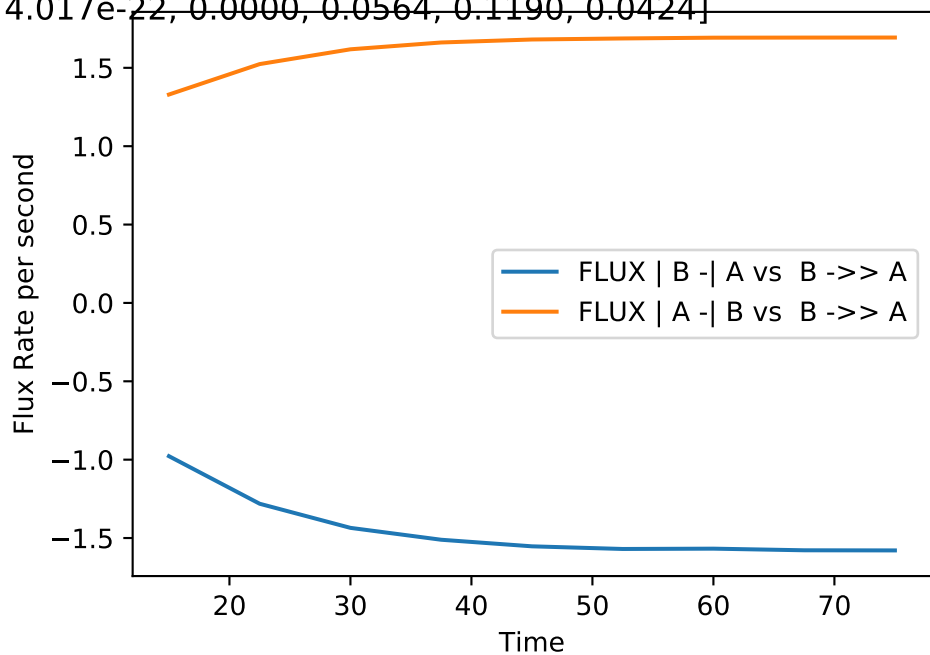
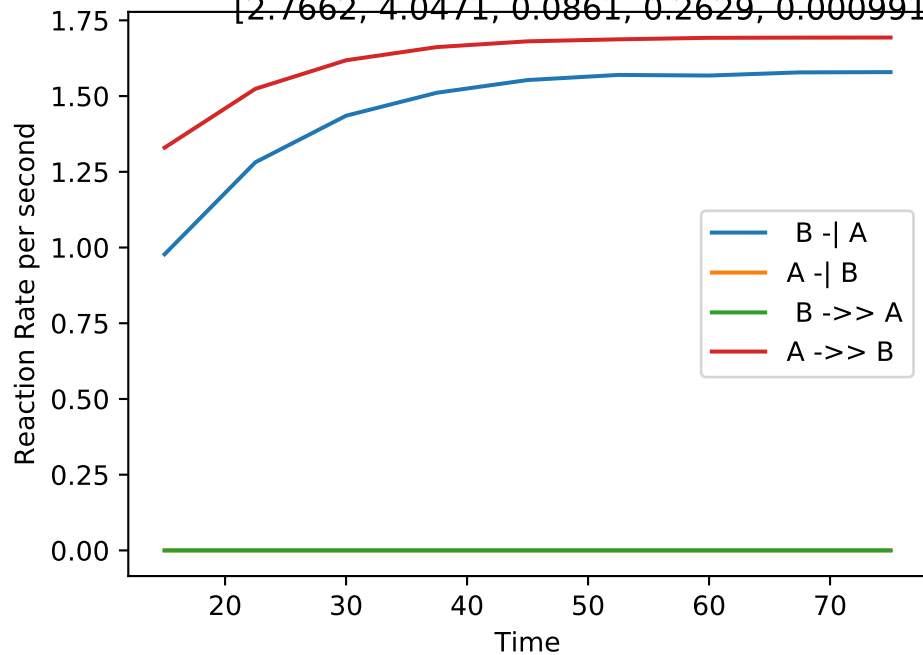
No_up | NLLA No_up(#18):

[4.0787, 3.9717, 0.1927, 0.1822, 1.918e-13, 3.954e-14, 0.0033, 0.0874, 0.0830, 0.0000]



No_up | NLLA No_up(#19):

[2.7662, 4.0471, 0.0861, 0.2629, 0.000991, 4.017e-22, 0.0000, 0.0564, 0.1190, 0.0424]



No_up | NLLA No_up(#20):

[4.1334, 4.0331, 0.1926, 0.1841, 2.052e-16, 1.575e-17, 0.0026, 0.0863, 0.0829, 0.0000]

Reaction Rate per second

0.10
0.08
0.06
0.04
0.02
0.00

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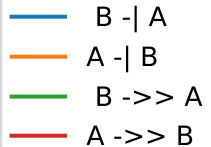
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Time



Flux Rate per second

0.10
0.08
0.06
0.04
0.02
0.00

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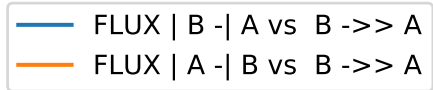
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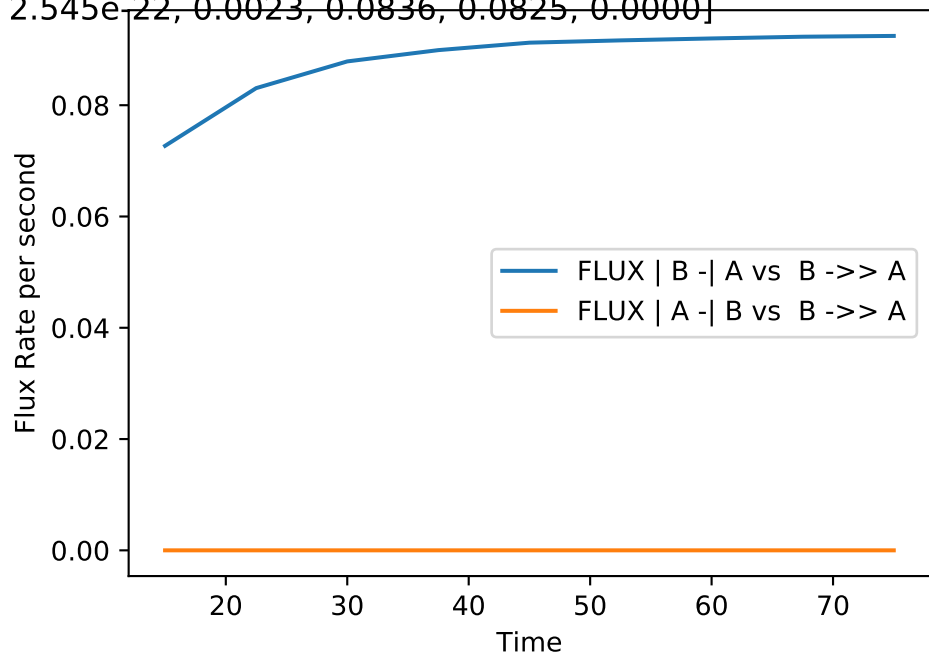
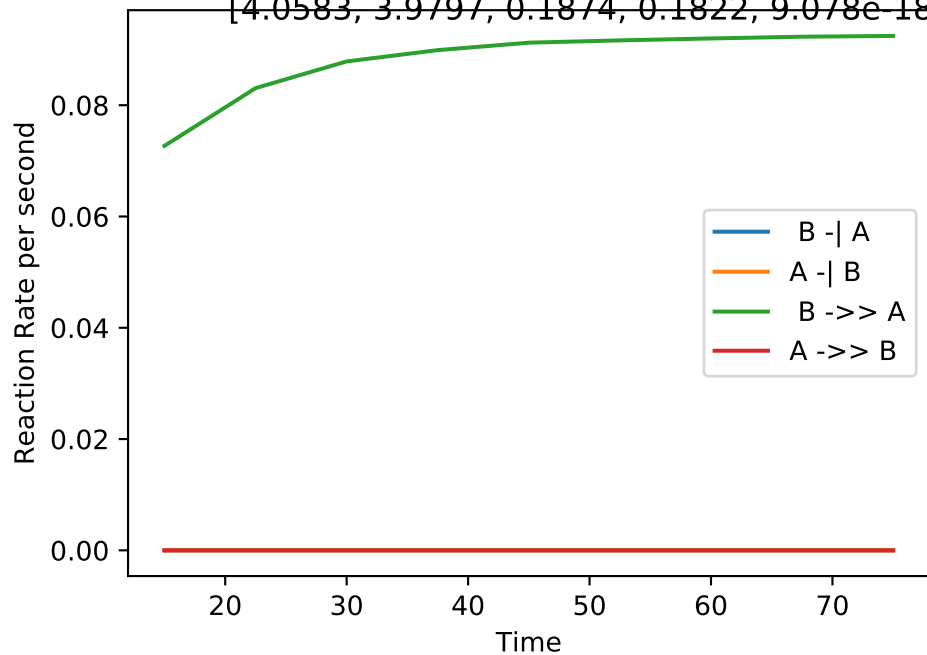
70

Time



No_up | NLLA No_up(#21):

[4.0583, 3.9797, 0.1874, 0.1822, 9.078e-18, 2.545e-22, 0.0023, 0.0836, 0.0825, 0.0000]



No_up | NLLA No_up(#22):

[4.1371, 4.0533, 0.1894, 0.1905, 8.357e-14, 9.491e-17, 0.0000, 0.0858, 0.0857, 0.0032]

Reaction Rate per second

0.12
0.10
0.08
0.06
0.04
0.02
0.00

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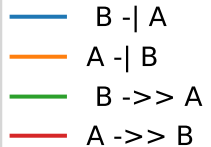
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Time



Flux Rate per second

0.12
0.10
0.08
0.06
0.04
0.02
0.00

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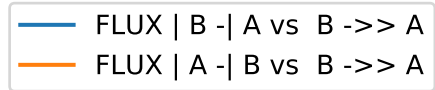
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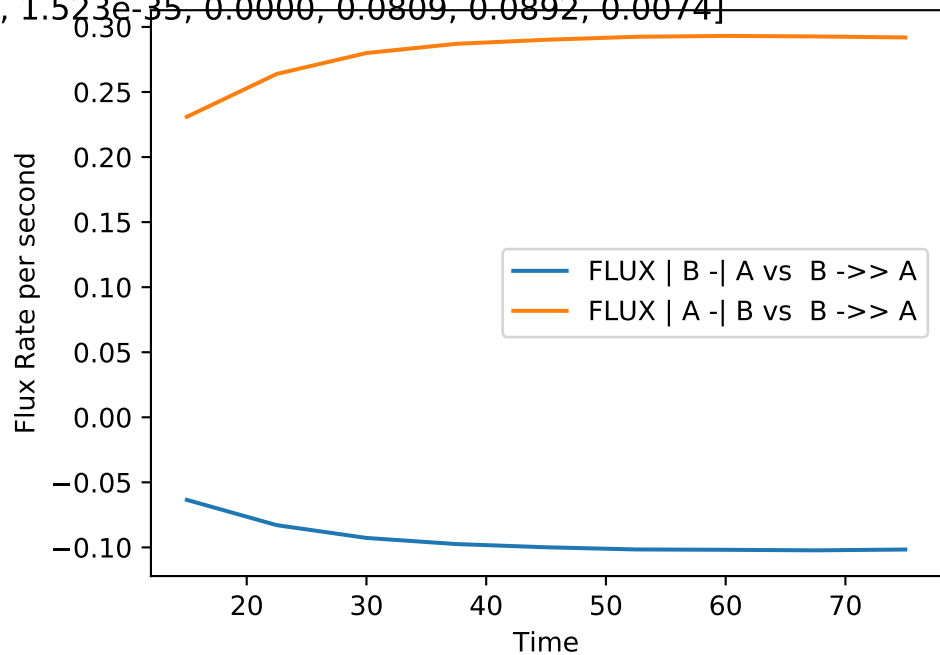
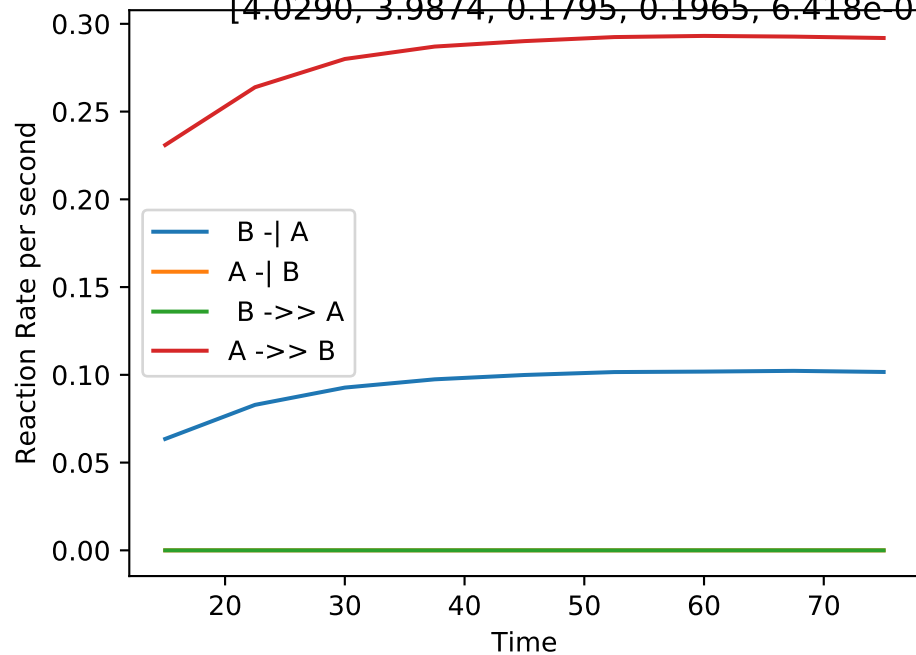
70

Time



No_up | NLLA No_up(#23):

[4.0290, 3.9874, 0.1795, 0.1965, 6.418e-05, 1.523e-35, 0.0000, 0.0809, 0.0892, 0.0074]



No_up | NLLA No_up(#24):

[4.1523, 3.9935, 0.1935, 0.1813, 1.316e-24, 5.011e-17, 0.0021, 0.0872, 0.0813, 0.0000]

Reaction Rate per second

0.08
0.06
0.04
0.02
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.08
0.06
0.04
0.02
0.00

20

30

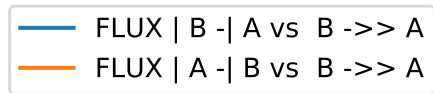
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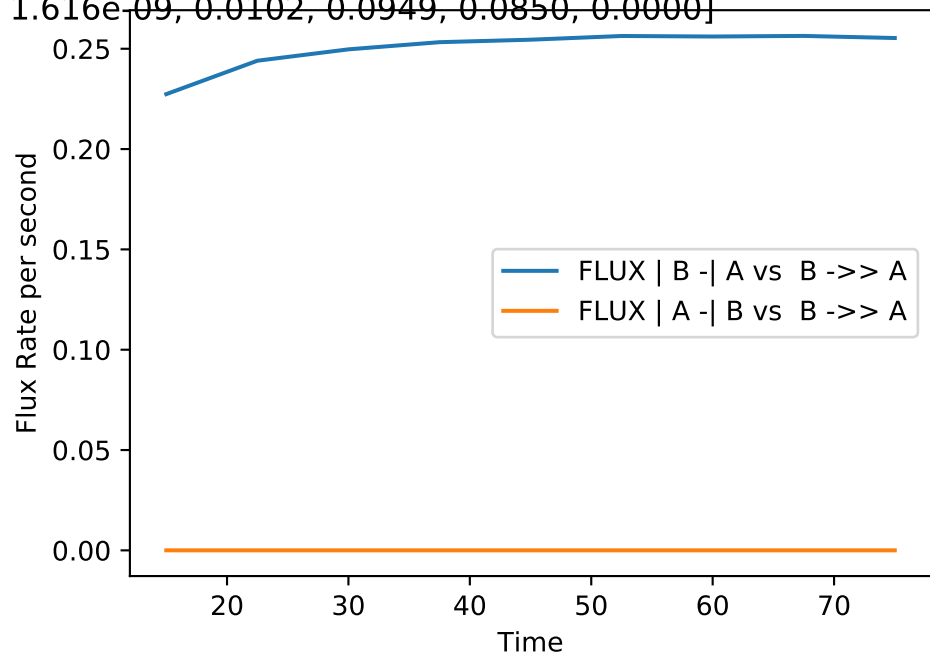
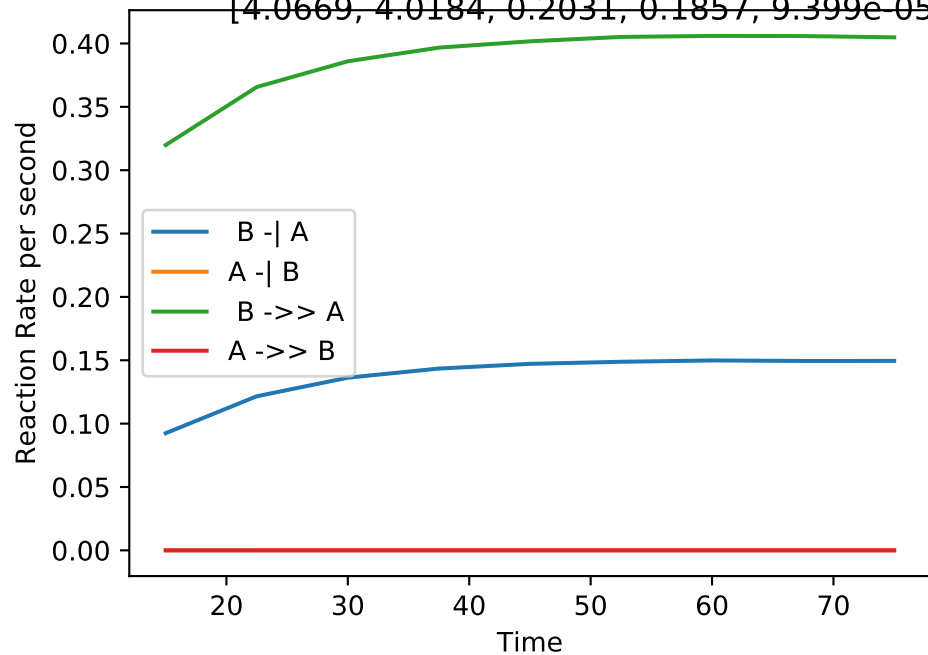
70

Time



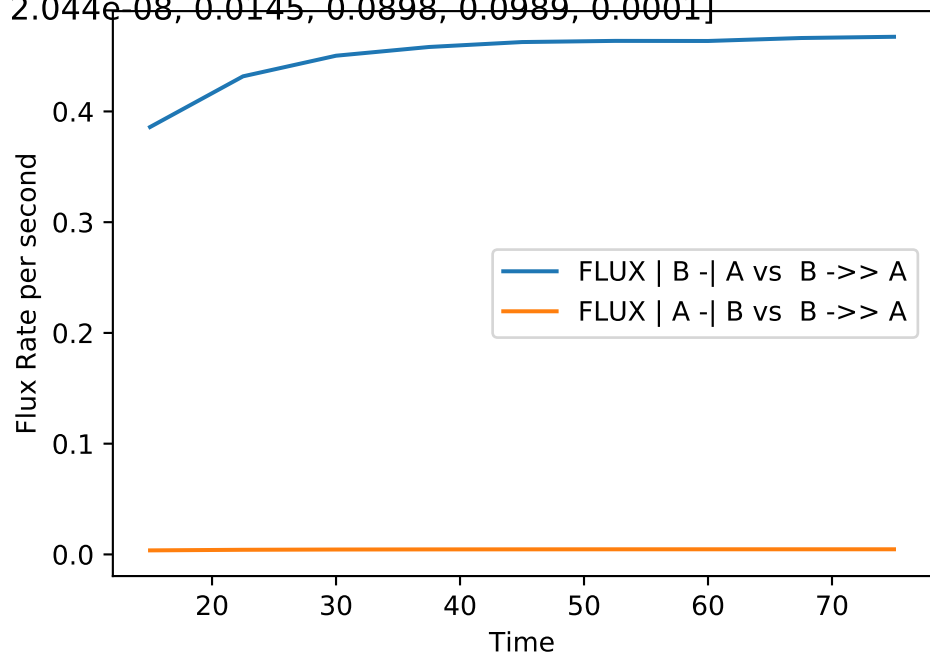
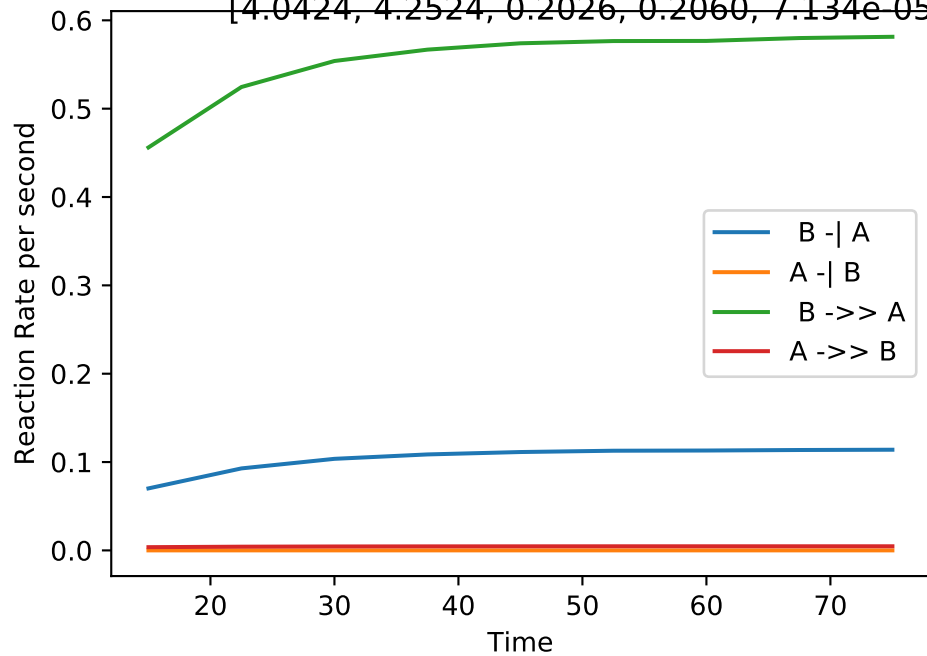
No_up | NLLA No_up(#25):

[4.0669, 4.0184, 0.2031, 0.1857, 9.399e-05, 1.616e-09, 0.0102, 0.0949, 0.0850, 0.0000]



No_up | NLLA No_up(#26):

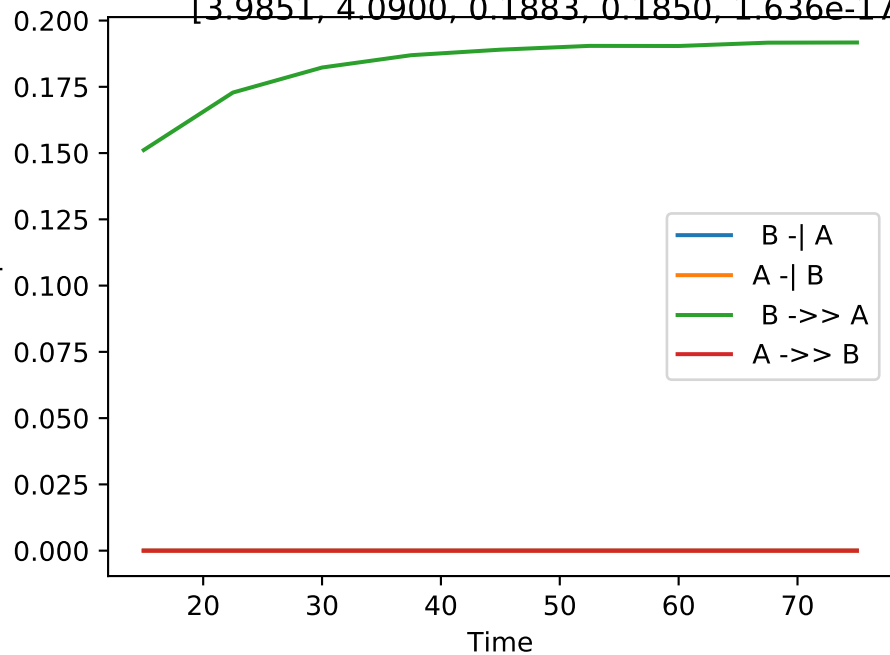
[4.0424, 4.2524, 0.2026, 0.2060, 7.134e-05, 2.044e-08, 0.0145, 0.0898, 0.0989, 0.0001]



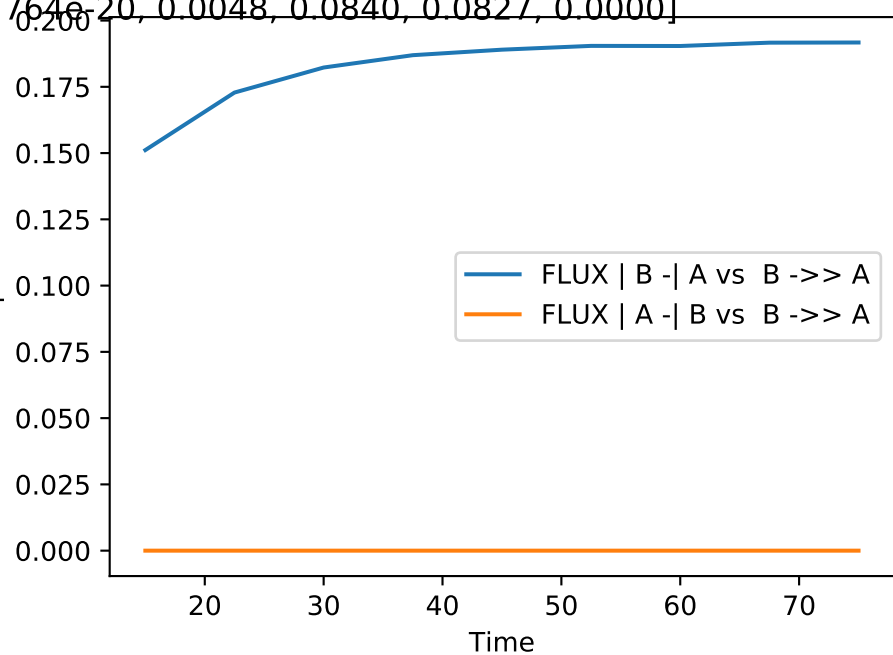
No_up | NLLA No_up(#27):

[3.9851, 4.0900, 0.1883, 0.1850, 1.636e-17, 2.764e-20, 0.0048, 0.0840, 0.0827, 0.0000]

Reaction Rate per second

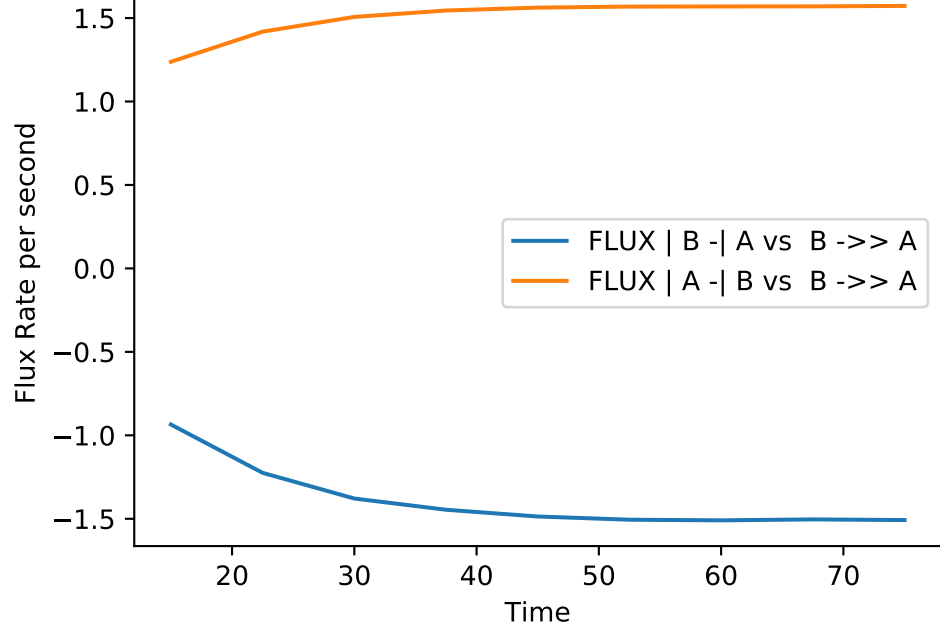
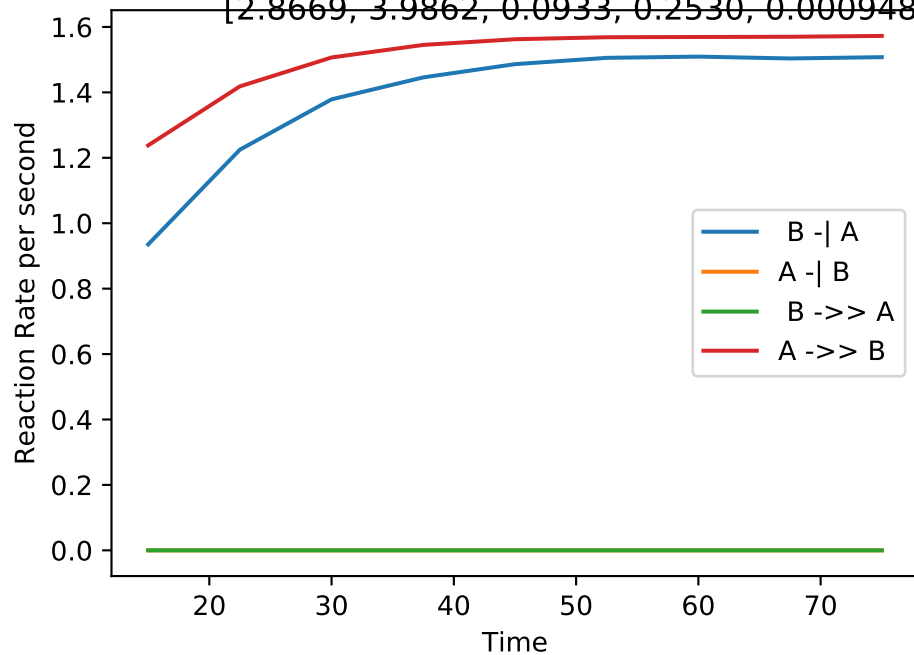


Flux Rate per second



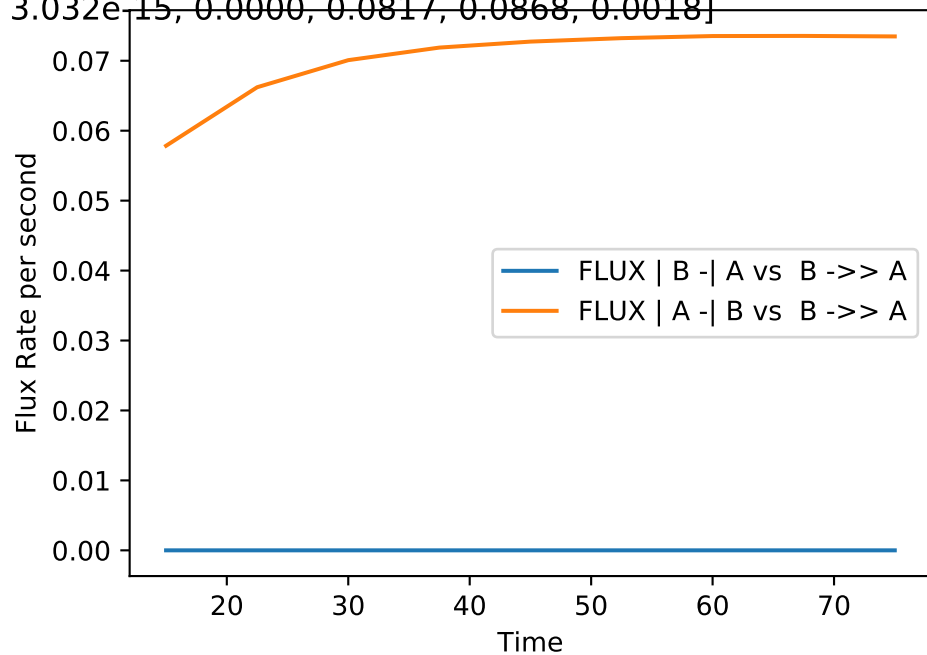
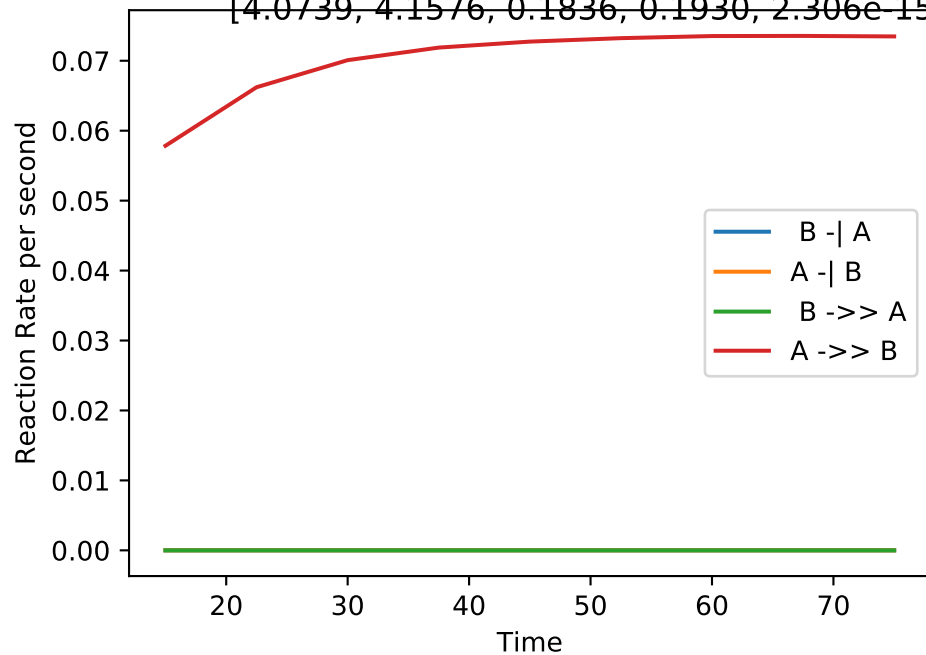
No_up | NLLA No_up(#28):

[2.8669, 3.9862, 0.0933, 0.2530, 0.0009484, 4.123e-16, 0.0000, 0.0593, 0.1139, 0.0395]



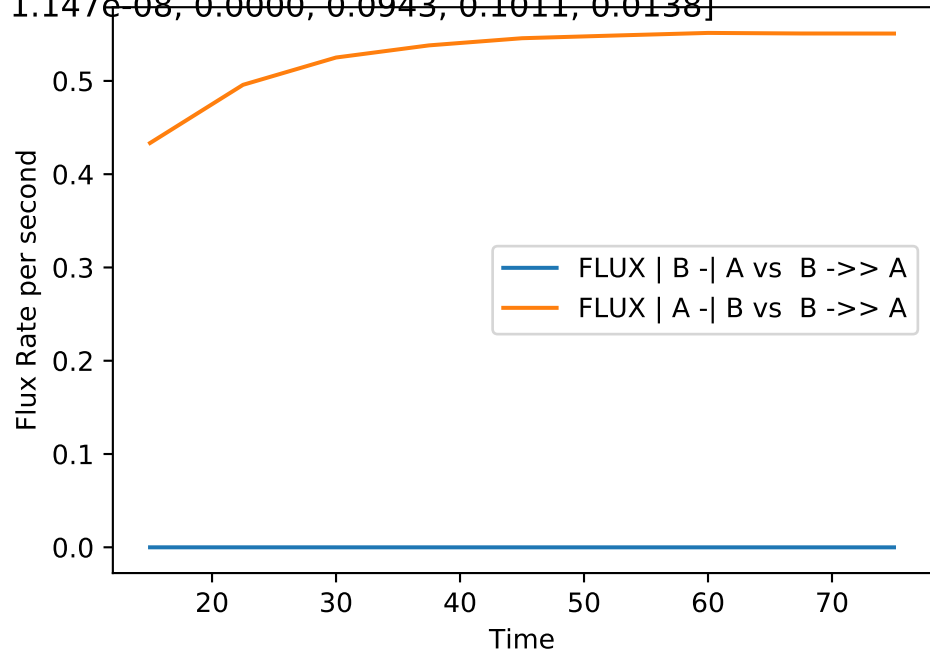
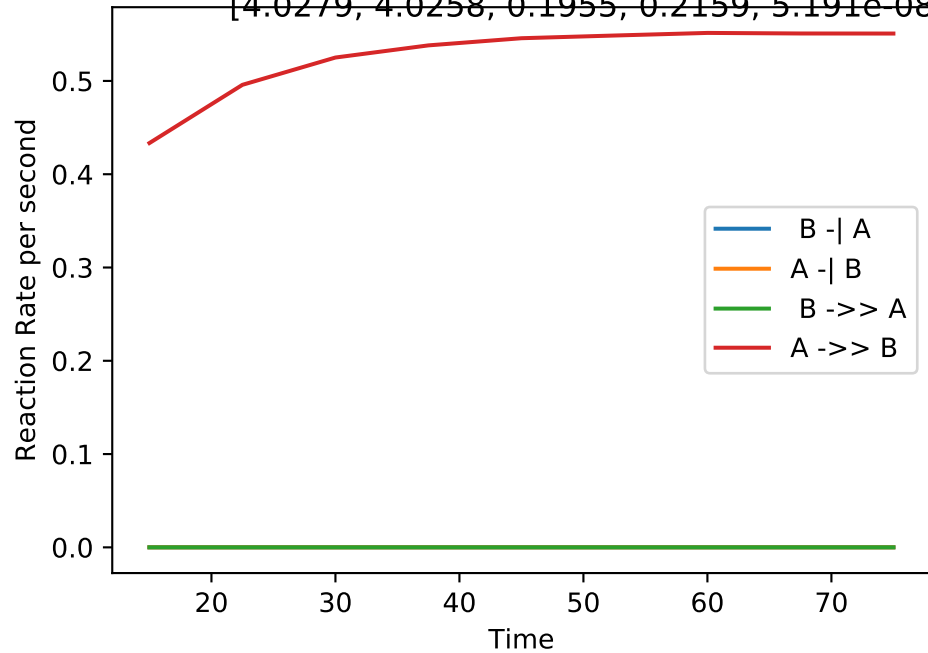
No_up | NLLA No_up(#29):

[4.0739, 4.1576, 0.1836, 0.1930, 2.306e-15, 3.032e-15, 0.0000, 0.0817, 0.0868, 0.0018]



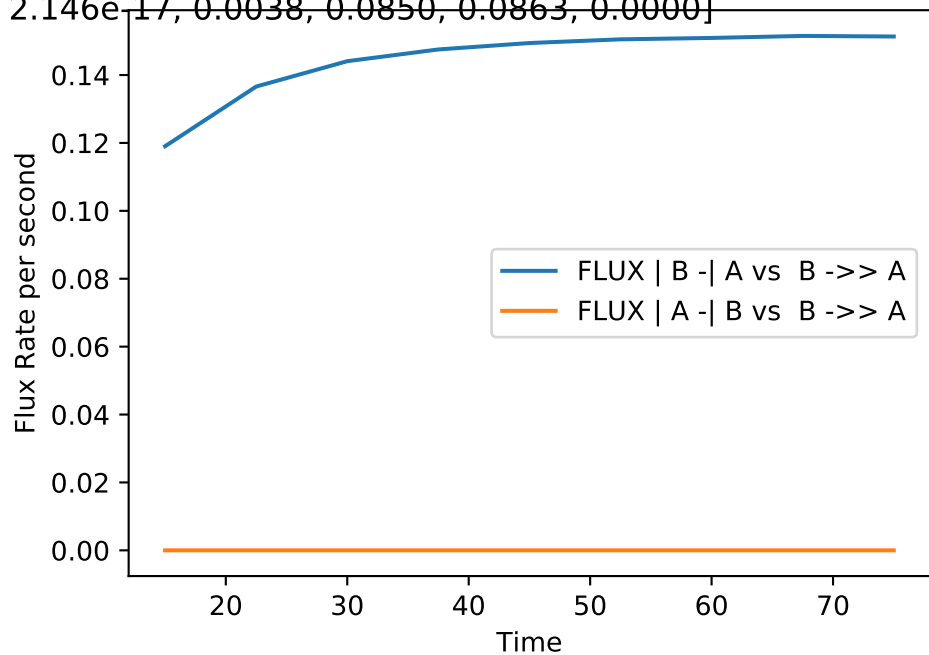
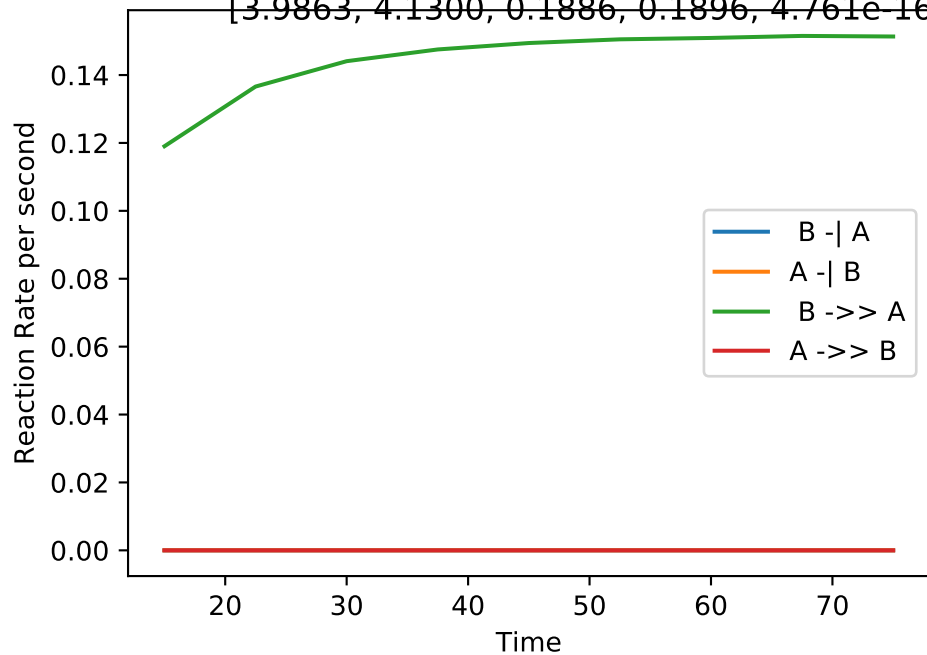
No_up | NLLA No_up(#30):

[4.0279, 4.0258, 0.1955, 0.2159, 5.191e-08, 1.147e-08, 0.0000, 0.0943, 0.1011, 0.0138]



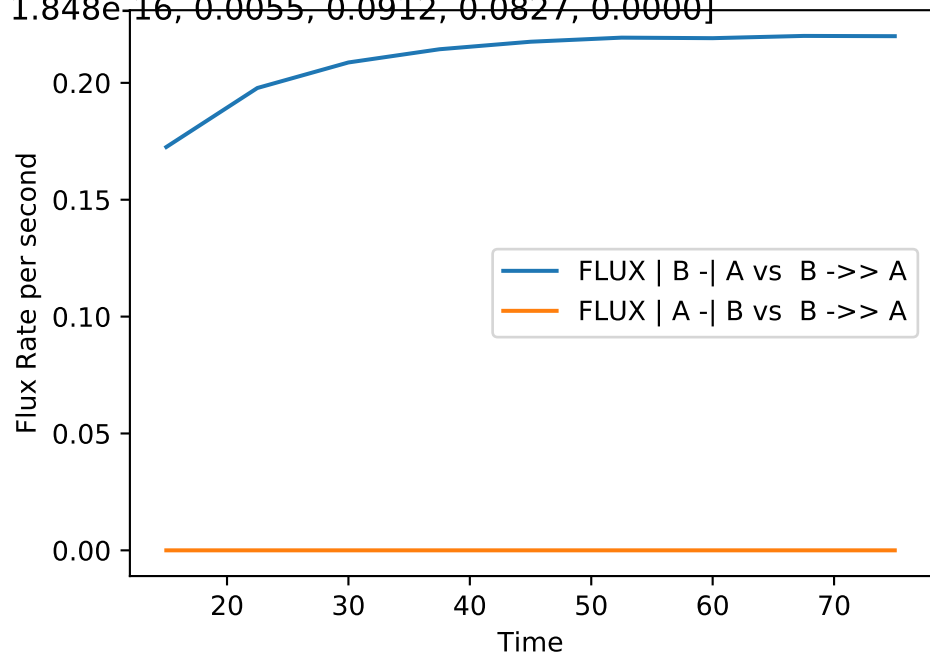
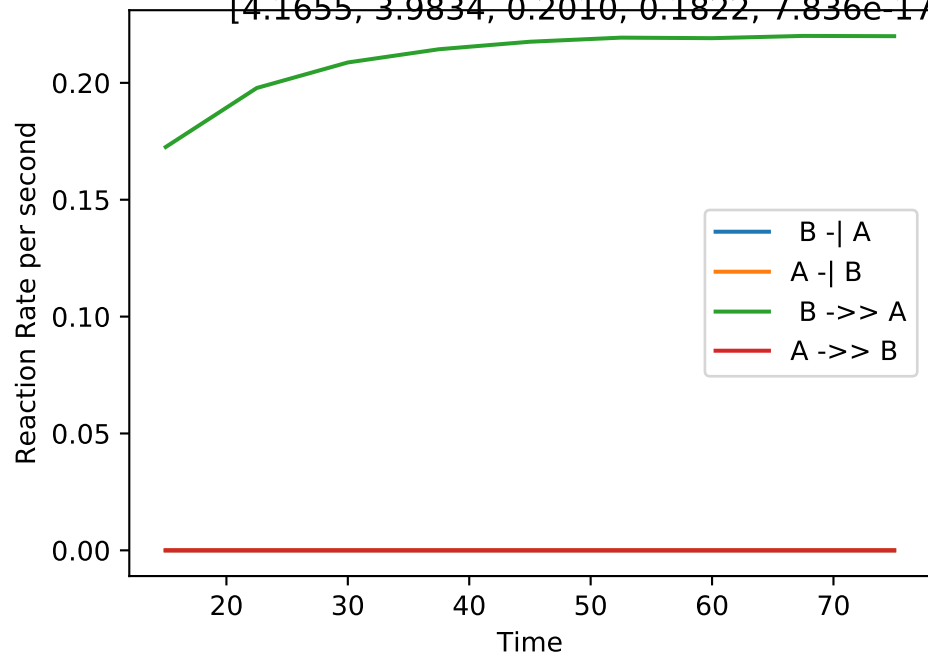
No_up | NLLA No_up(#31):

[3.9863, 4.1300, 0.1886, 0.1896, 4.761e-16, 2.146e-17, 0.0038, 0.0850, 0.0863, 0.0000]



No_up | NLLA No_up(#32):

[4.1655, 3.9834, 0.2010, 0.1822, 7.836e-17, 1.848e-16, 0.0055, 0.0912, 0.0827, 0.0000]



No_up | NLLA No_up(#33):

[3.8783, 3.9285, 0.1775, 0.1885, 3.928e-16, 8.634e-18, 0.0000, 0.0808, 0.0849, 0.0052]

Reaction Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

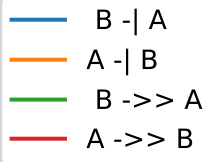
40

50

60

70

Time



Flux Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

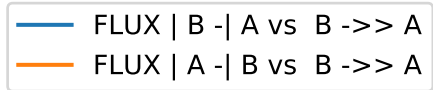
40

50

60

70

Time



No_up | NLLA No_up(#34):

[3.9732, 3.9610, 0.2034, 0.1845, 1.741e-17, 1.54e-17, 0.0102, 0.0938, 0.0855, 0.0000]

Reaction Rate per second

0.4
0.3
0.2
0.1
0.0

20

30

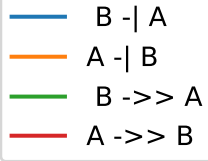
40

50

60

70

Time



Flux Rate per second

0.4
0.3
0.2
0.1
0.0

20

30

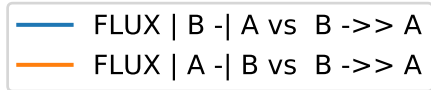
40

50

60

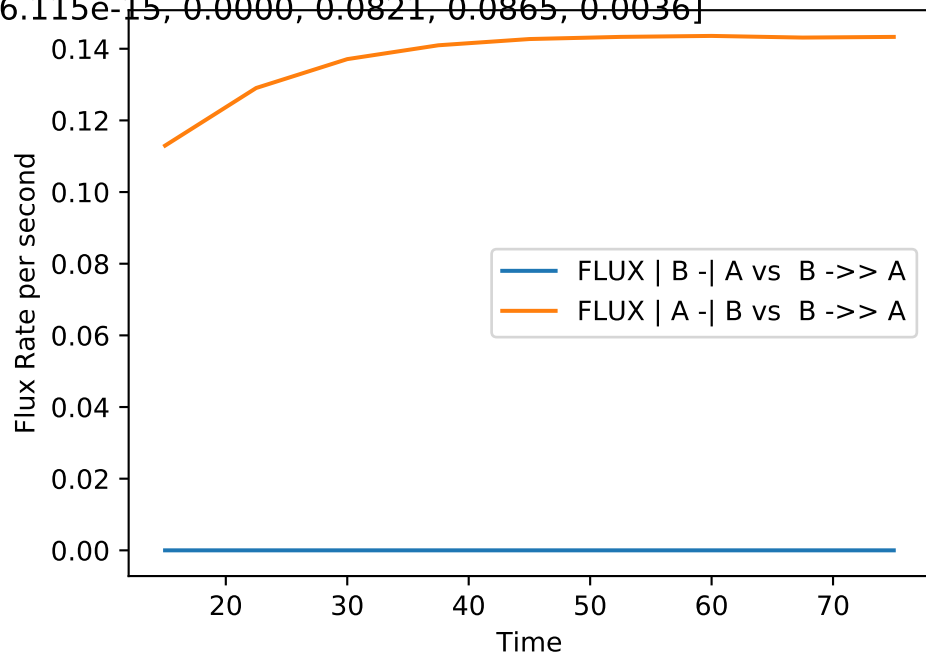
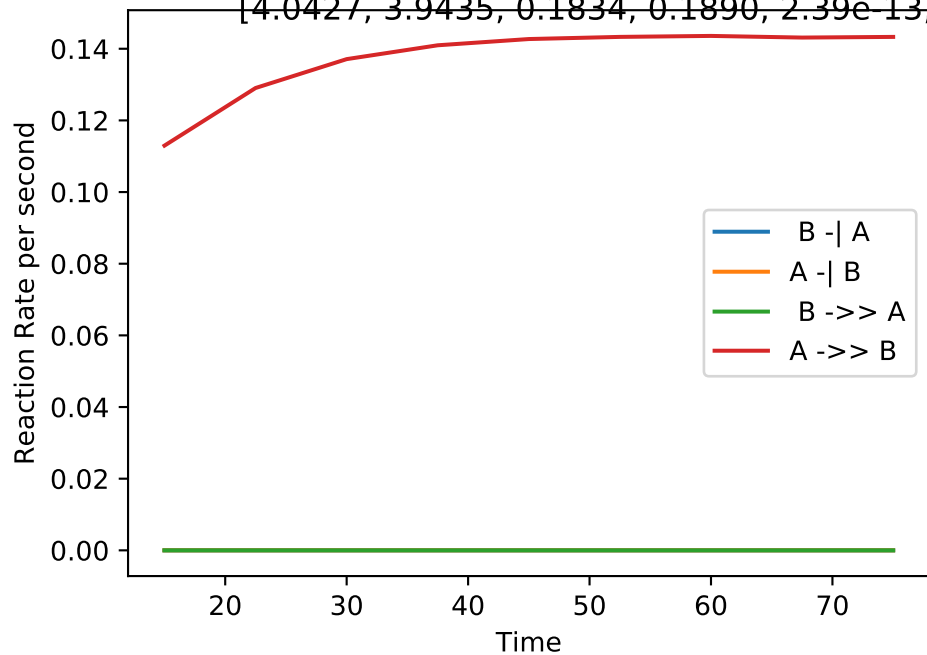
70

Time



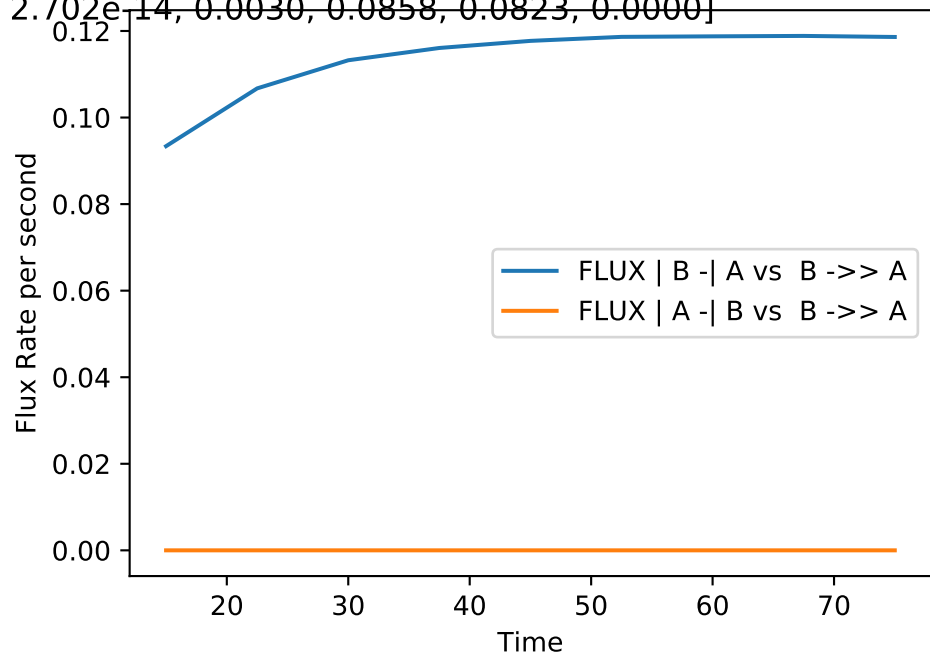
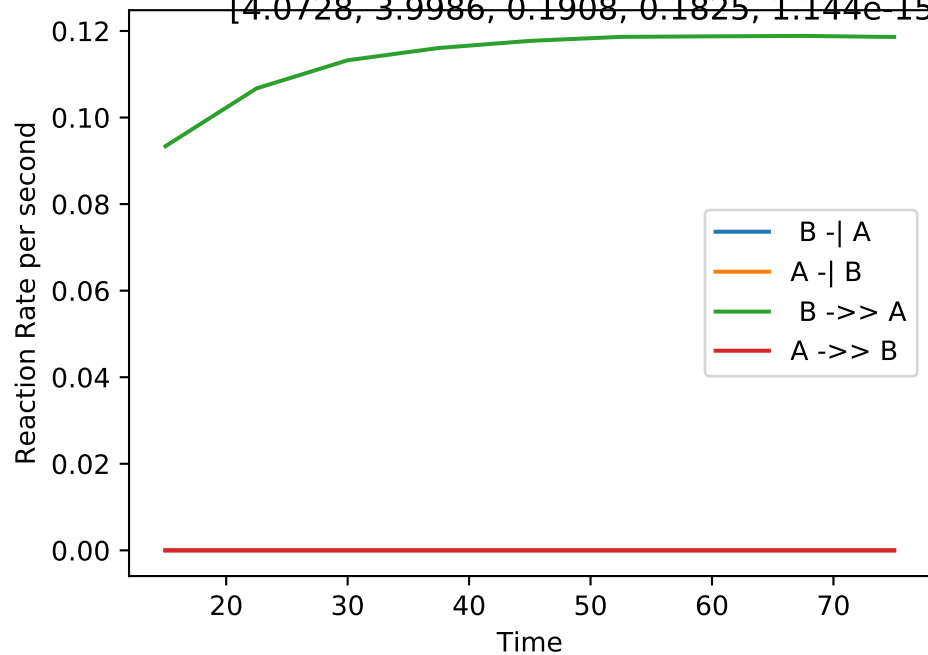
No_up | NLLA No_up(#35):

[4.0427, 3.9435, 0.1834, 0.1890, 2.39e-13, 6.115e-15, 0.0000, 0.0821, 0.0865, 0.0036]



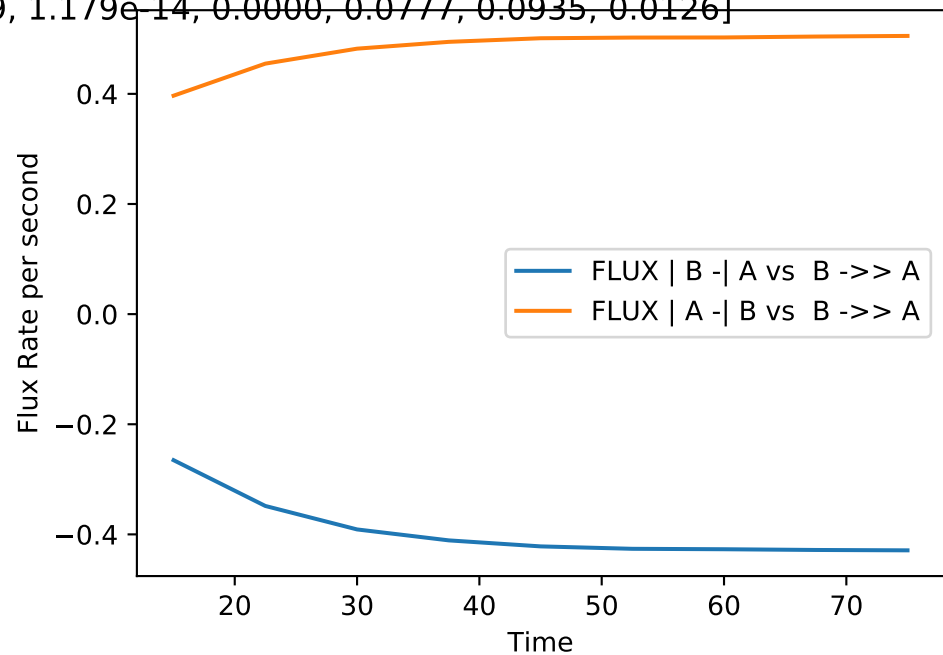
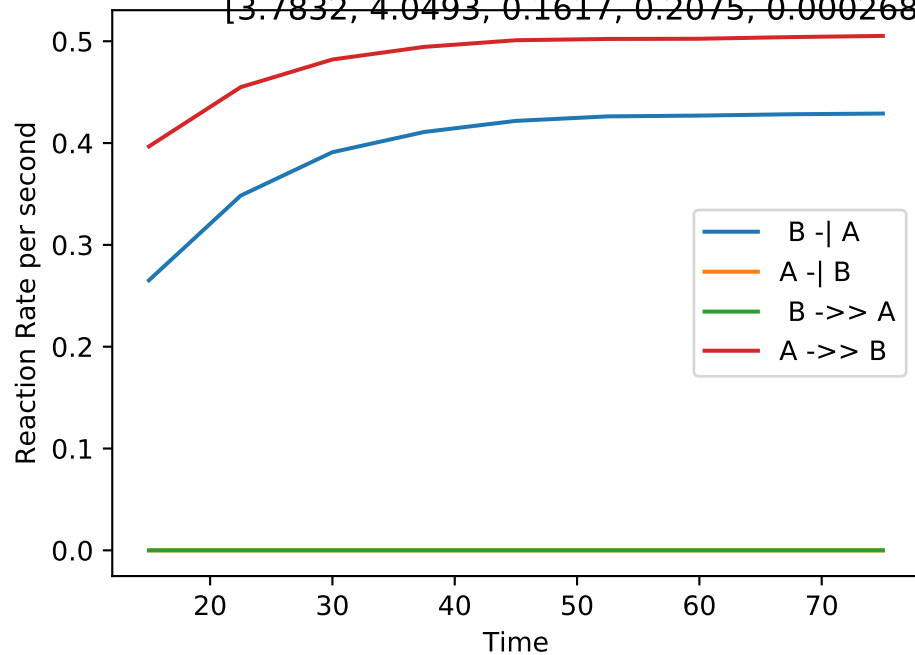
No_up | NLLA No_up(#36):

[4.0728, 3.9986, 0.1908, 0.1825, 1.144e-15, 2.702e-14, 0.0030, 0.0858, 0.0823, 0.0000]



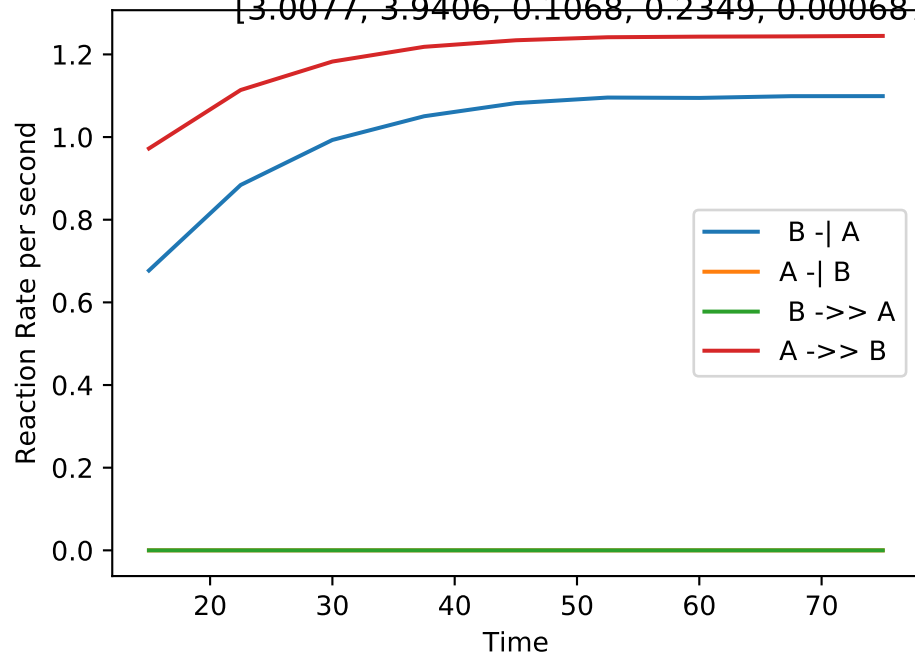
No_up | NLLA No_up(#37):

[3.7832, 4.0493, 0.1617, 0.2075, 0.0002689, 1.179e-14, 0.0000, 0.0777, 0.0935, 0.0126]

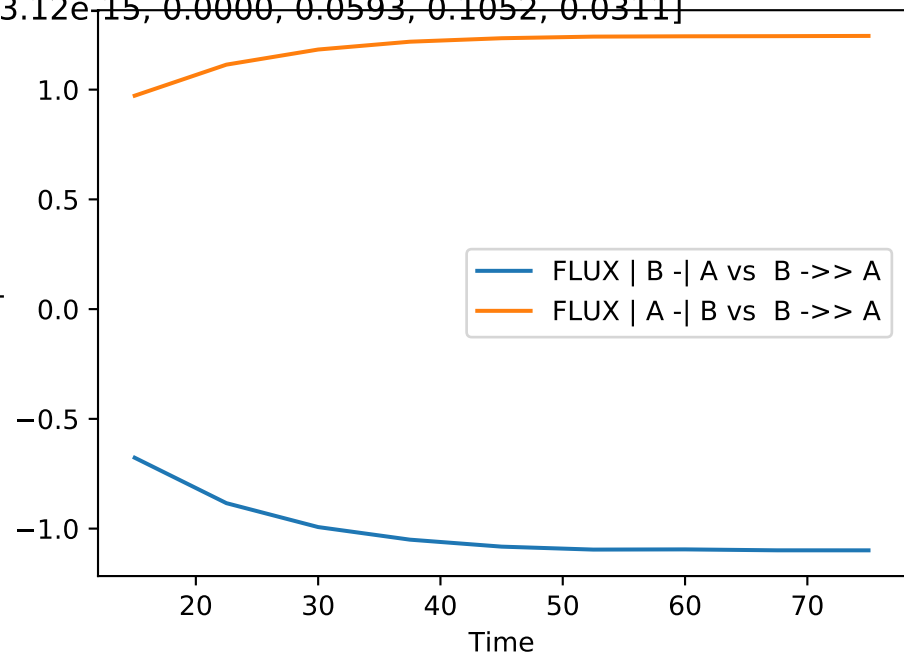


No_up | NLLA No_up(#38):

[3.0077, 3.9406, 0.1068, 0.2349, 0.0006873, 3.12e-15, 0.0000, 0.0593, 0.1052, 0.0311]



Flux Rate per second



No_up | NLLA No_up(#39):

[3.9945, 3.9552, 0.1827, 0.1820, 1.535e-16, 1.082e-16, 0.0000, 0.0826, 0.0819, 0.0011]

Reaction Rate per second

0.04
0.03
0.02
0.01
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.04
0.03
0.02
0.01
0.00

20

30

40

50

60

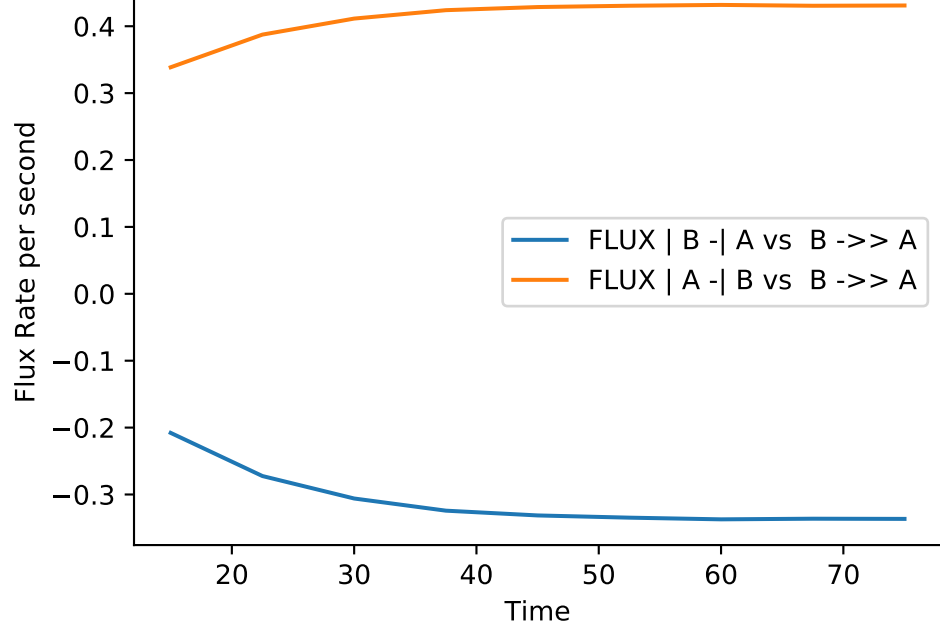
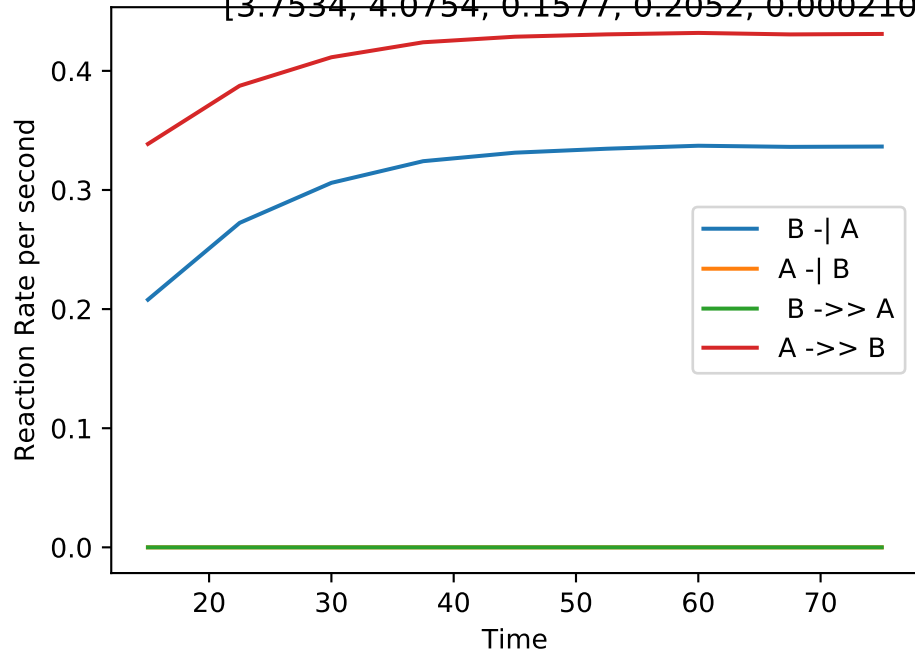
70

Time



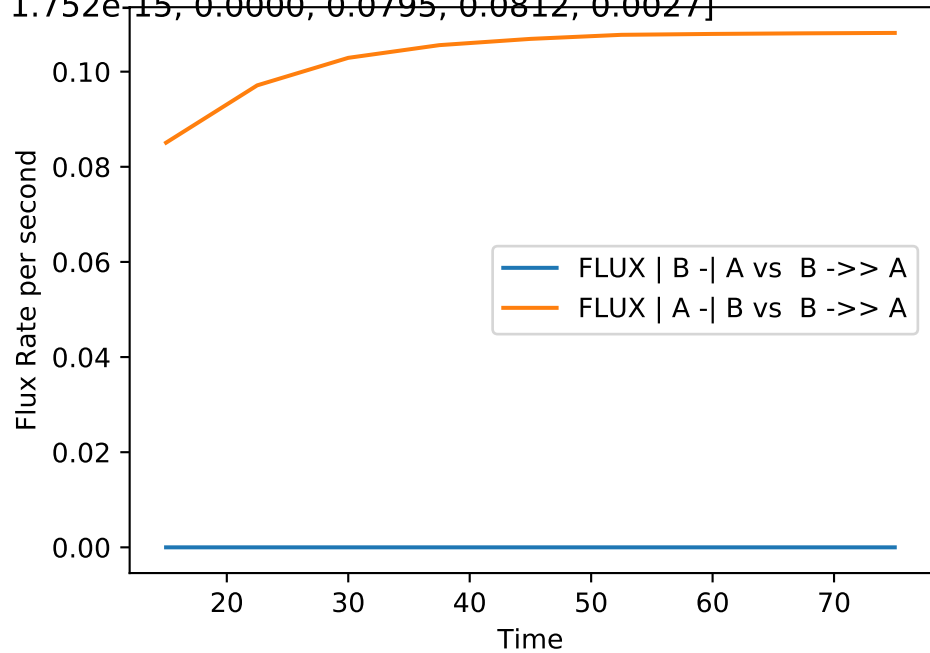
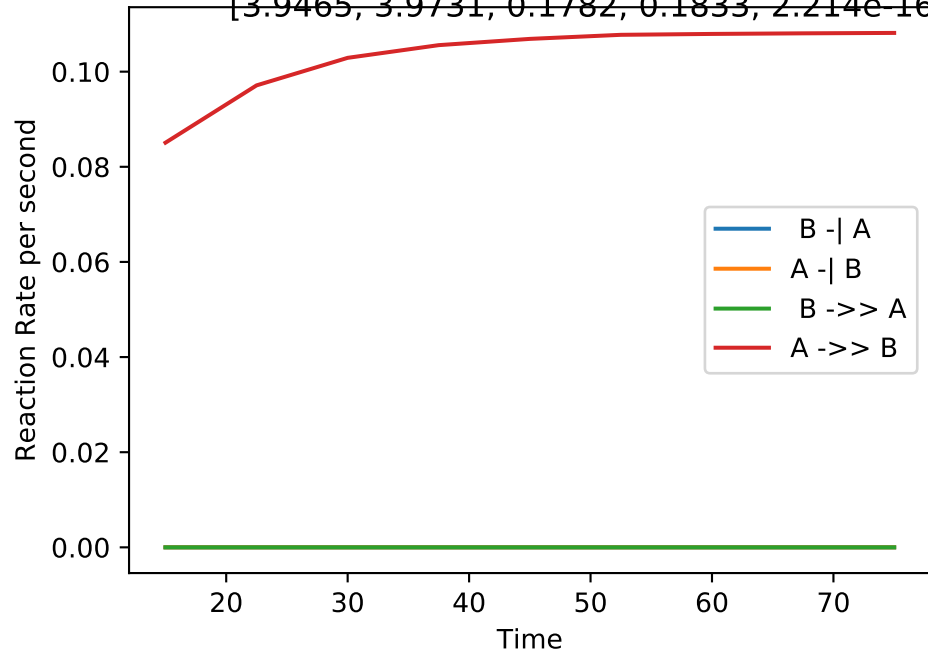
No_up | NLLA No_up(#40):

[3.7534, 4.0754, 0.1577, 0.2052, 0.0002107, 4.898e-13, 0.0000, 0.0724, 0.0925, 0.0108]



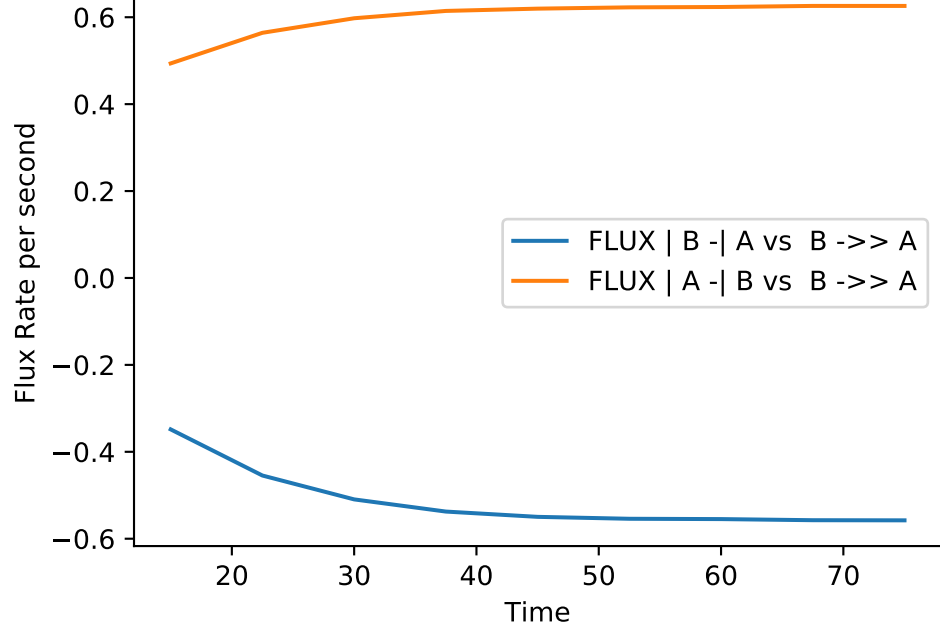
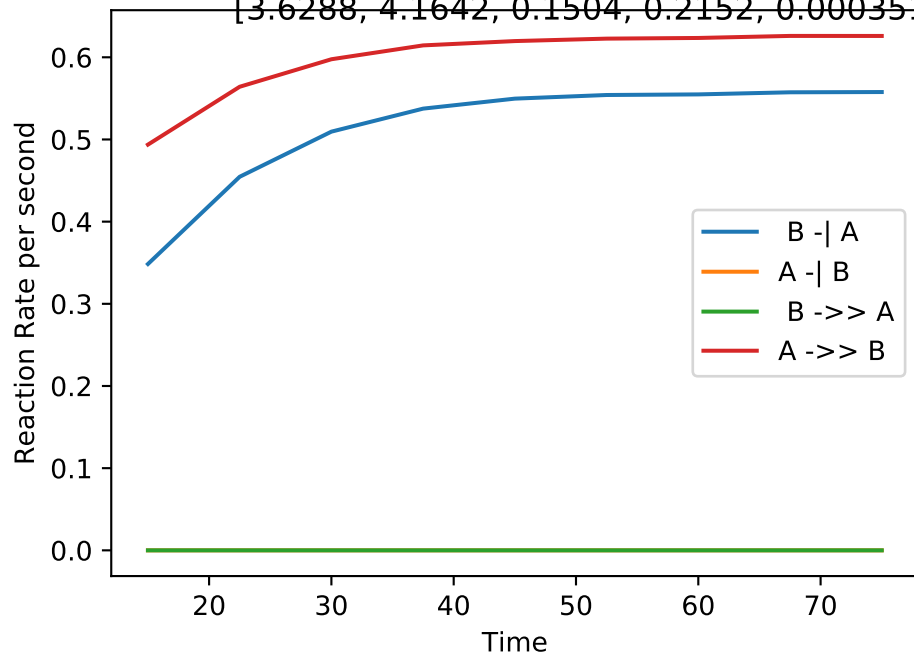
No_up | NLLA No_up(#41):

[3.9465, 3.9731, 0.1782, 0.1833, 2.214e-16, 1.752e-15, 0.0000, 0.0795, 0.0812, 0.0027]



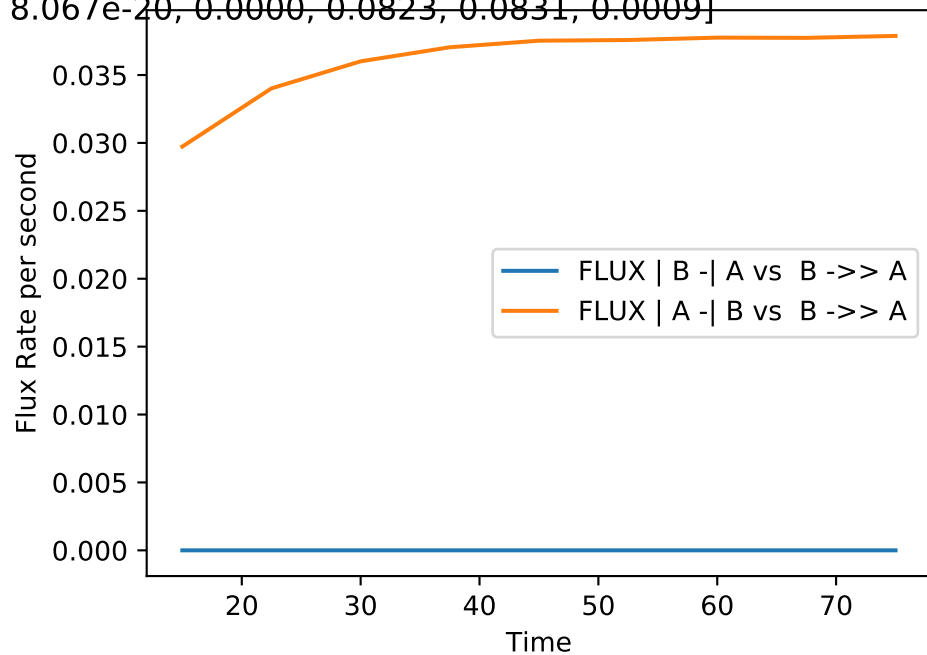
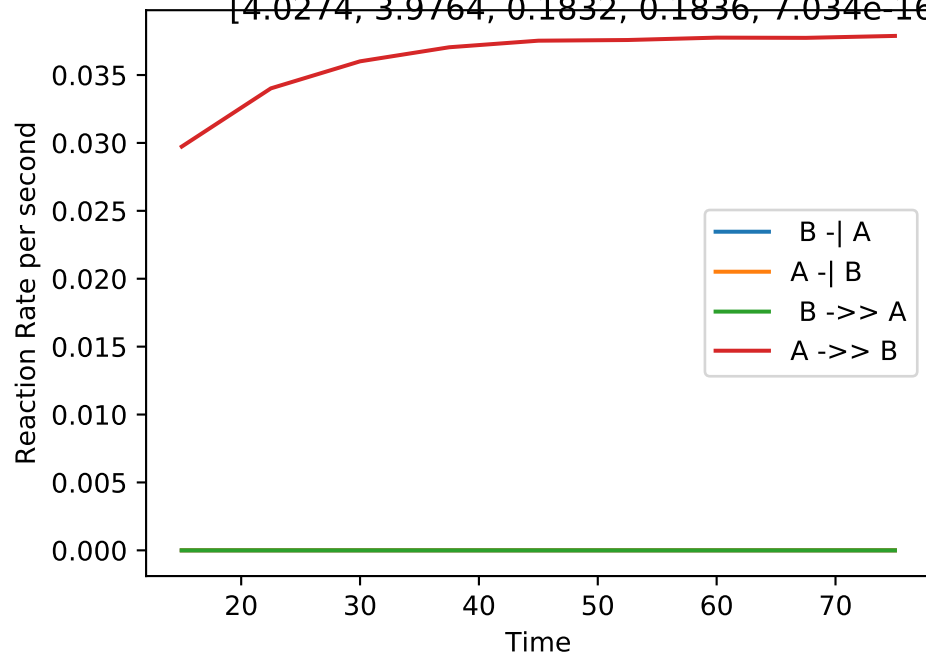
No_up | NLLA No_up(#42):

[3.6288, 4.1642, 0.1504, 0.2152, 0.000351, 1.046e-15, 0.0000, 0.0735, 0.0951, 0.0157]



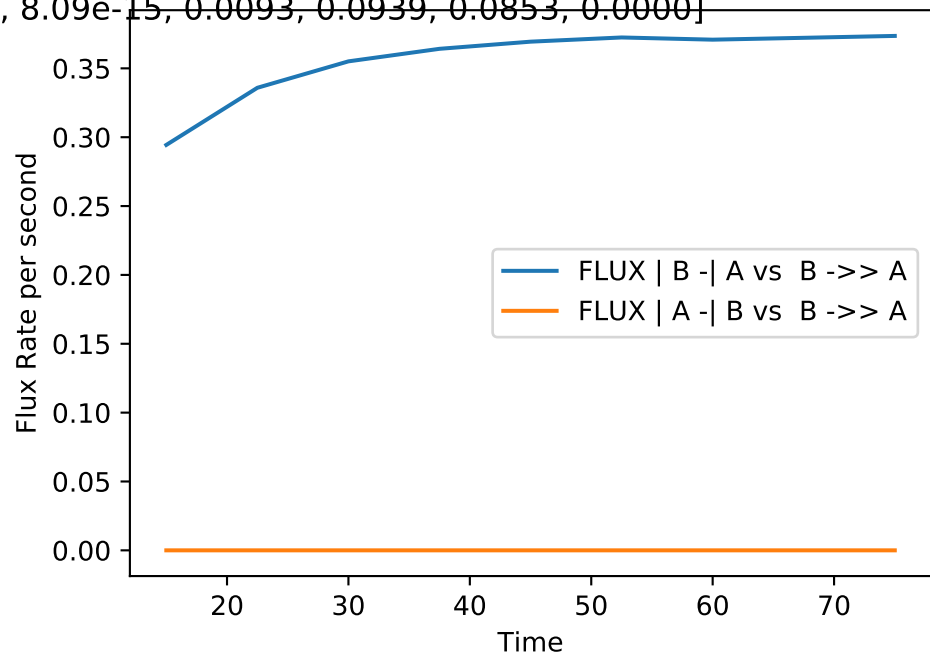
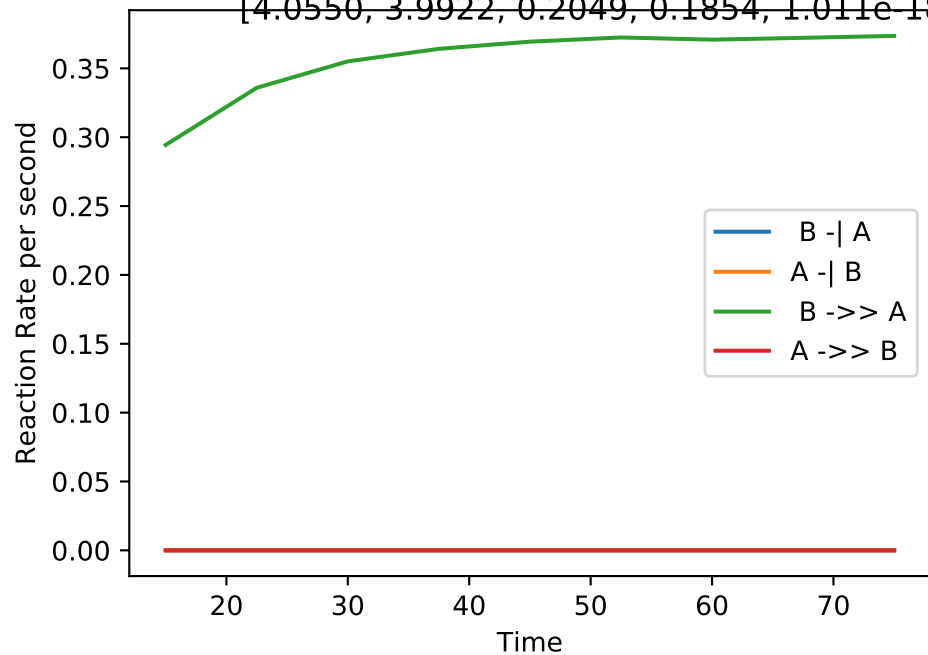
No_up | NLLA No_up(#43):

[4.0274, 3.9764, 0.1832, 0.1836, 7.034e-16, 8.067e-20, 0.0000, 0.0823, 0.0831, 0.0009]



No_up | NLLA No_up(#44):

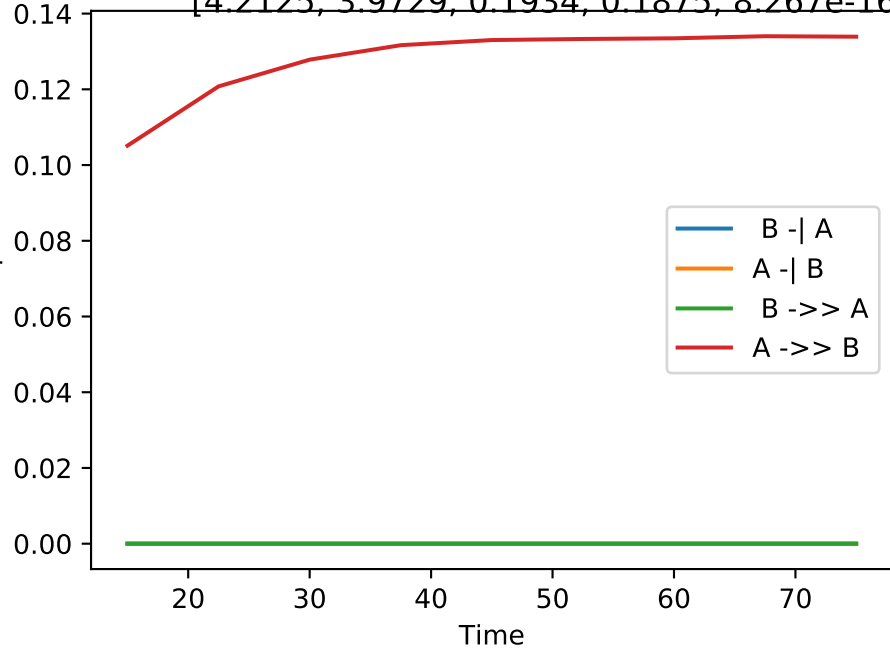
[4.0550, 3.9922, 0.2049, 0.1854, 1.011e-18, 8.09e-15, 0.0093, 0.0939, 0.0853, 0.0000]



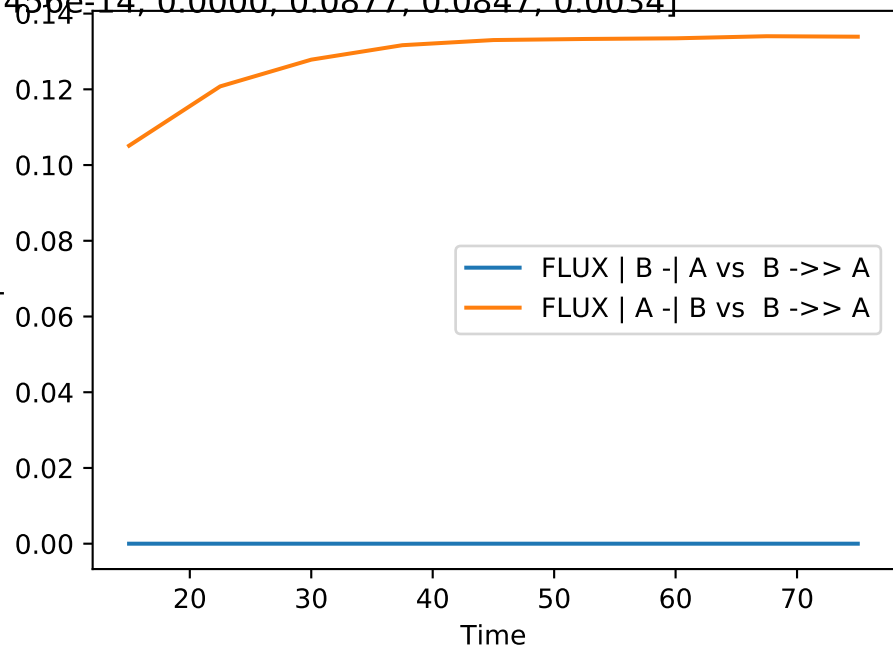
No_up | NLLA No_up(#45):

[4.2125, 3.9729, 0.1934, 0.1875, 8.267e-16, 2.456e-14, 0.0000, 0.0877, 0.0847, 0.0034]

Reaction Rate per second

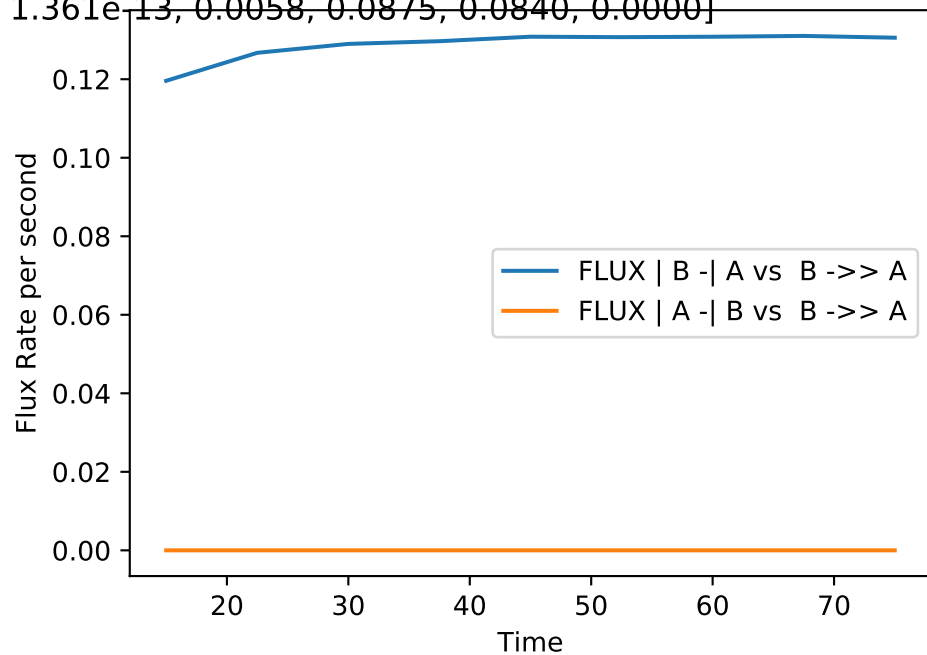
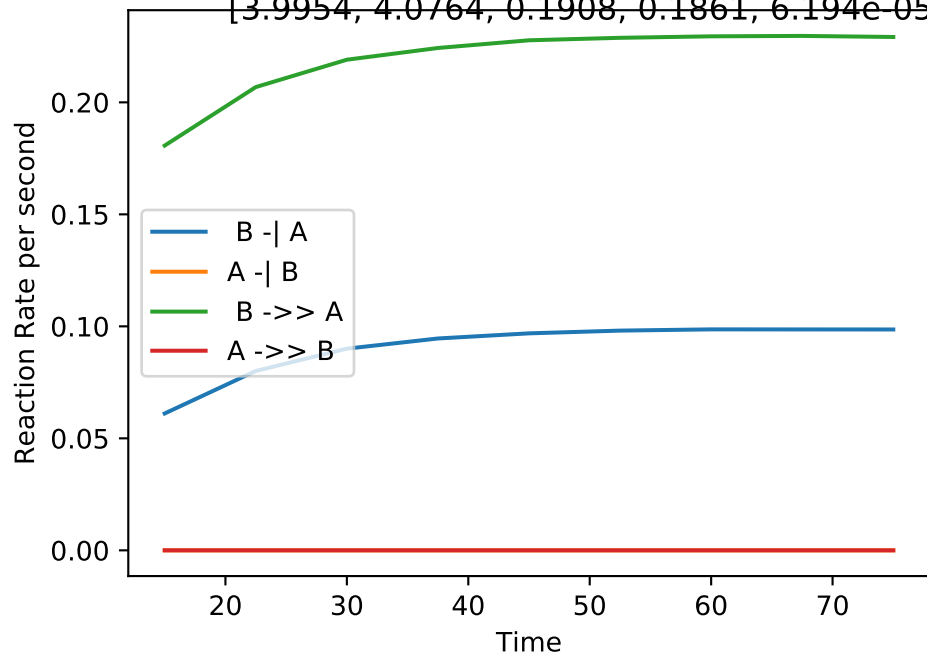


Flux Rate per second



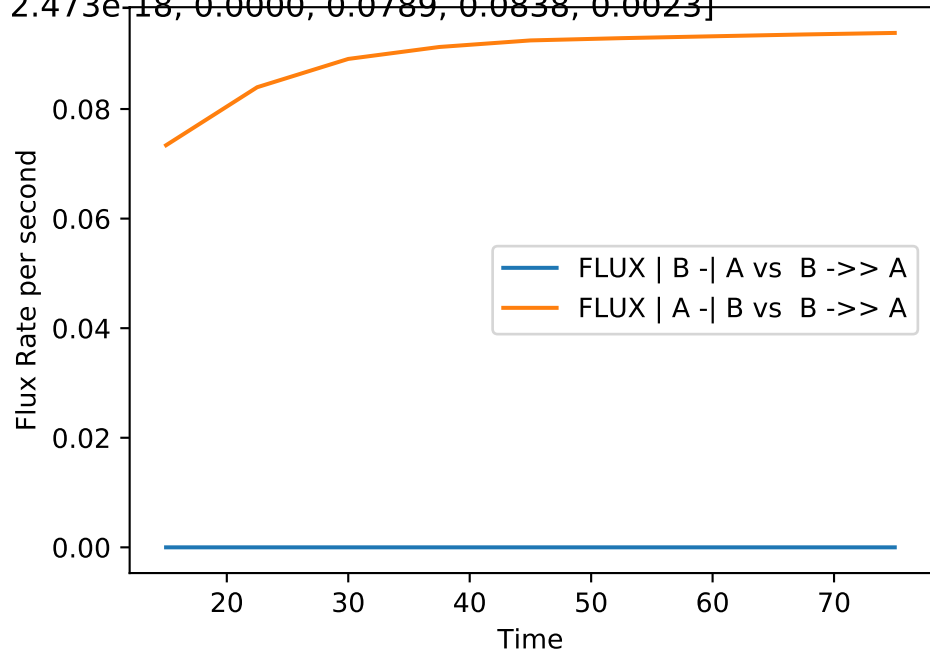
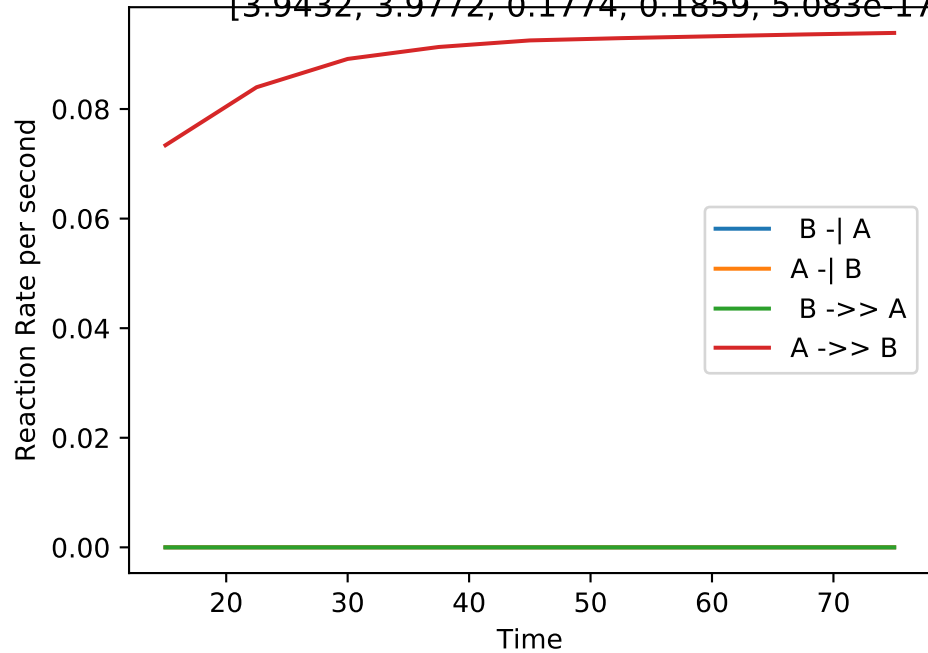
No_up | NLLA No_up(#46):

[3.9954, 4.0764, 0.1908, 0.1861, 6.194e-05, 1.361e-13, 0.0058, 0.0875, 0.0840, 0.0000]



No_up | NLLA No_up(#47):

[3.9432, 3.9772, 0.1774, 0.1859, 5.083e-17, 2.473e-18, 0.0000, 0.0789, 0.0838, 0.0023]



No_up | NLLA No_up(#48):

[3.9863, 4.0835, 0.1812, 0.1898, 1.803e-15, 7.949e-15, 0.0000, 0.0816, 0.0846, 0.0025]

Reaction Rate per second

0.10
0.08
0.06
0.04
0.02
0.00

20

30

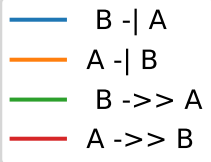
40

50

60

70

Time



Flux Rate per second

0.10
0.08
0.06
0.04
0.02
0.00

20

30

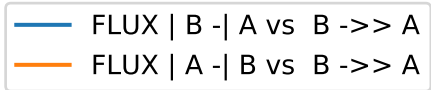
40

50

60

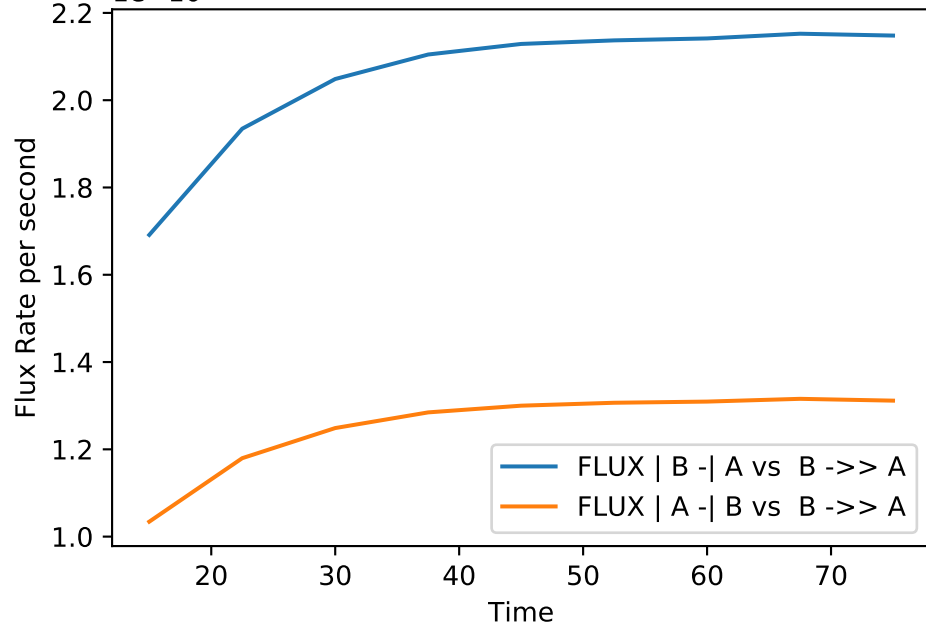
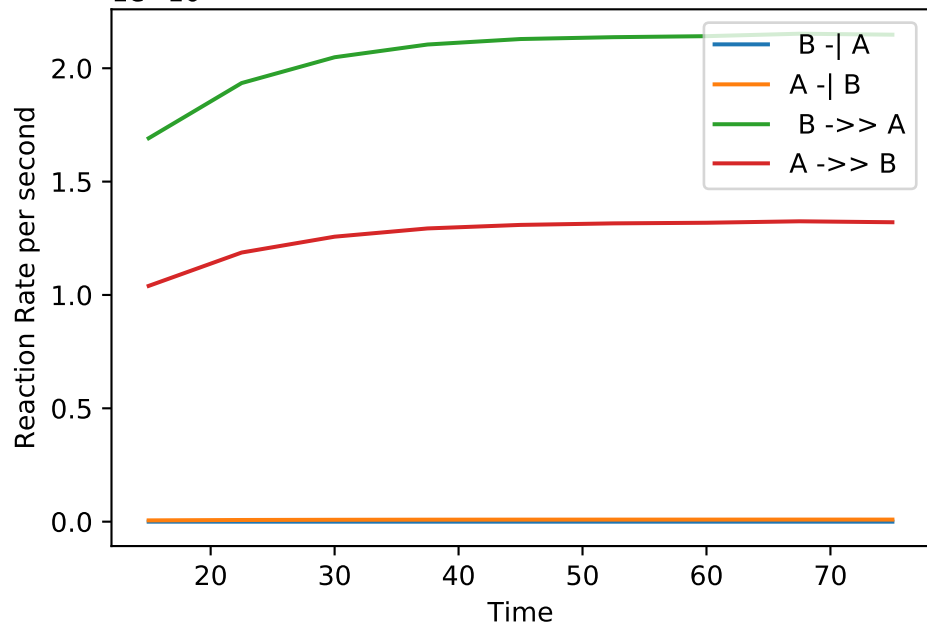
70

Time



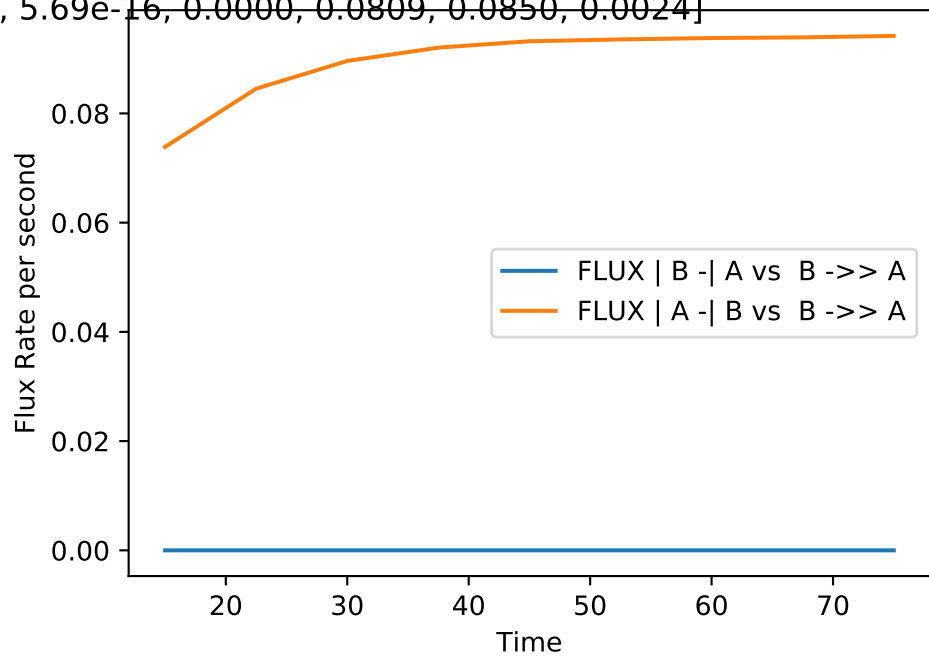
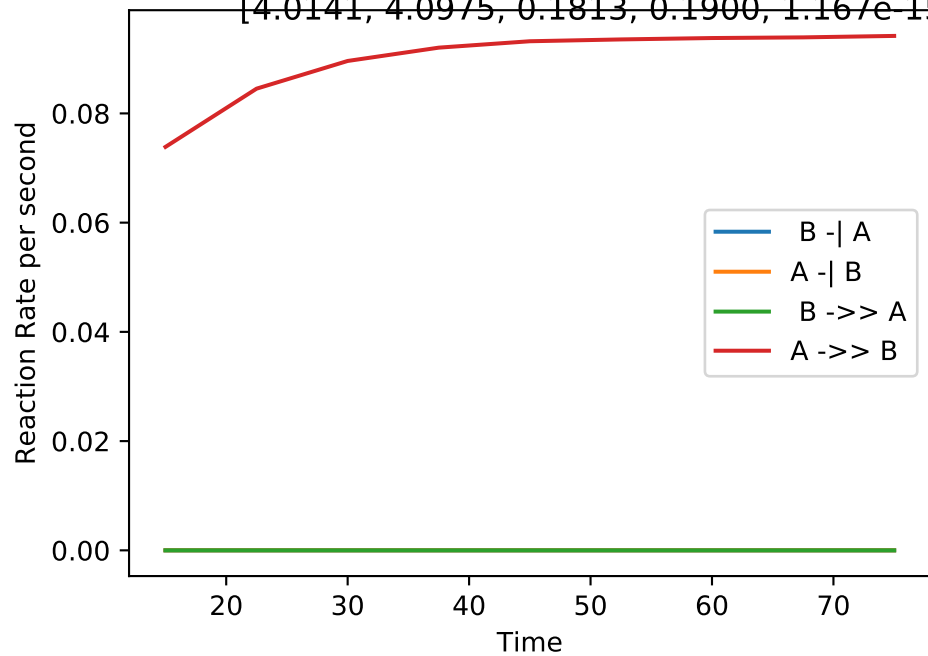
No_up | NLLA No_up(#49):

$1e-10$ [3.9437, 4.0619, 0.1780, 0.1845, $8.912e-21$, $5.744e-16$, 0.0000, 0.0794, 0.0828, 0.0000]



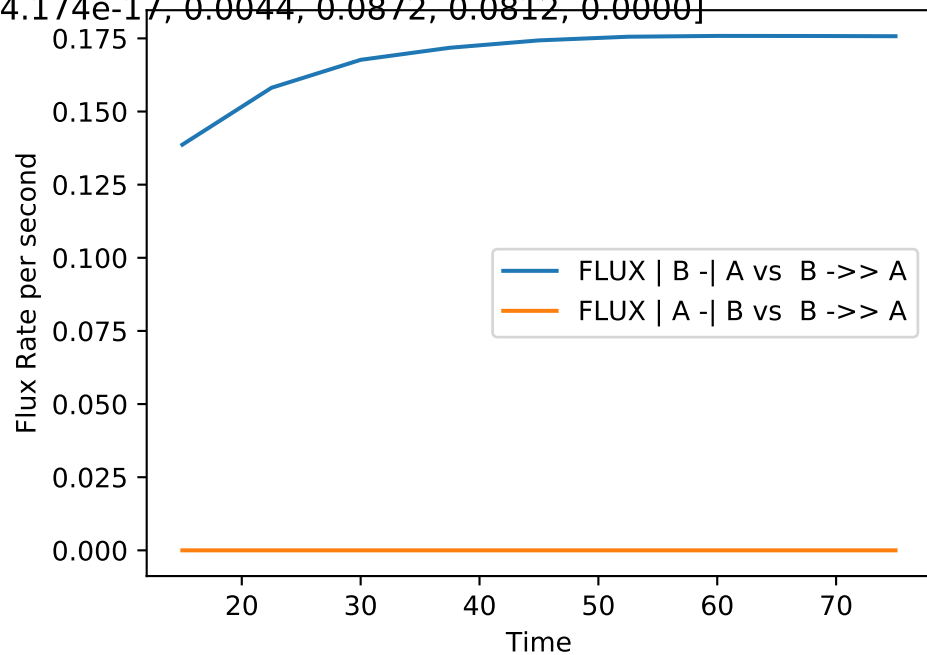
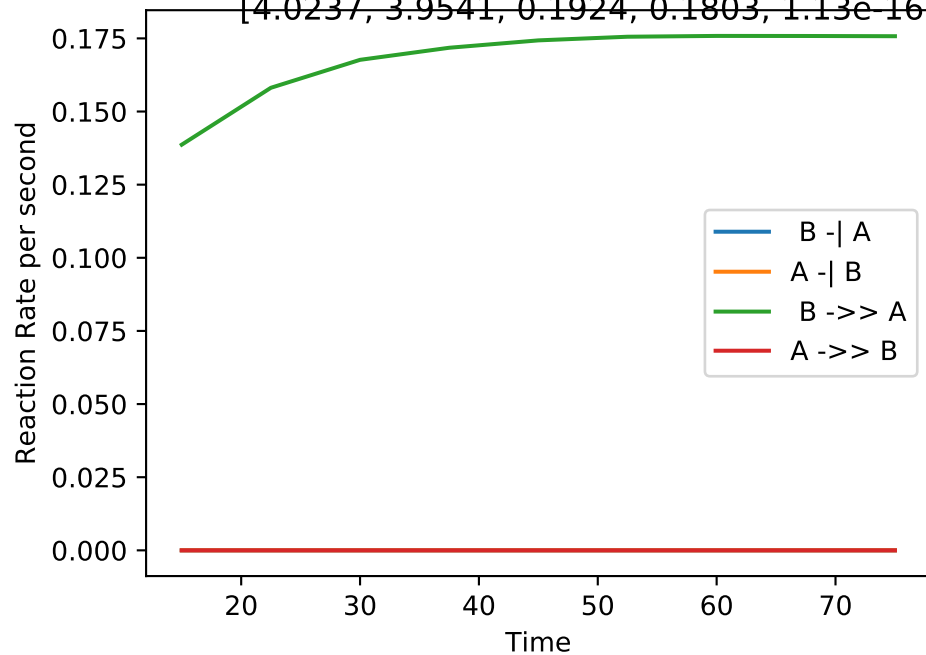
No_up | NLLA No_up(#50):

[4.0141, 4.0975, 0.1813, 0.1900, 1.167e-15, 5.69e-16, 0.0000, 0.0809, 0.0850, 0.0024]



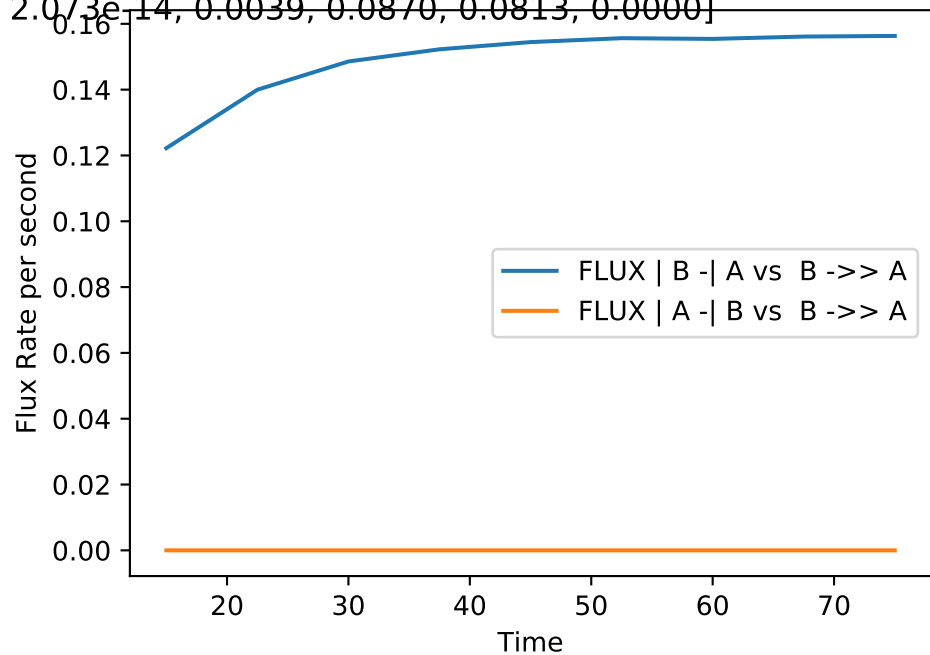
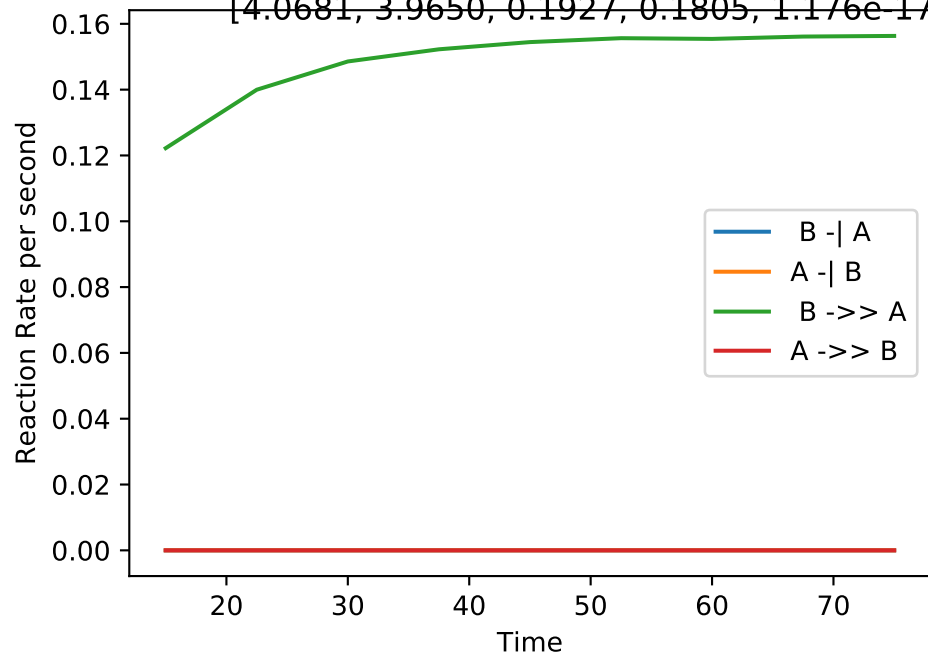
No_up | NLLA No_up(#51):

[4.0237, 3.9541, 0.1924, 0.1803, 1.13e-16, 4.174e-17, 0.0044, 0.0872, 0.0812, 0.0000]



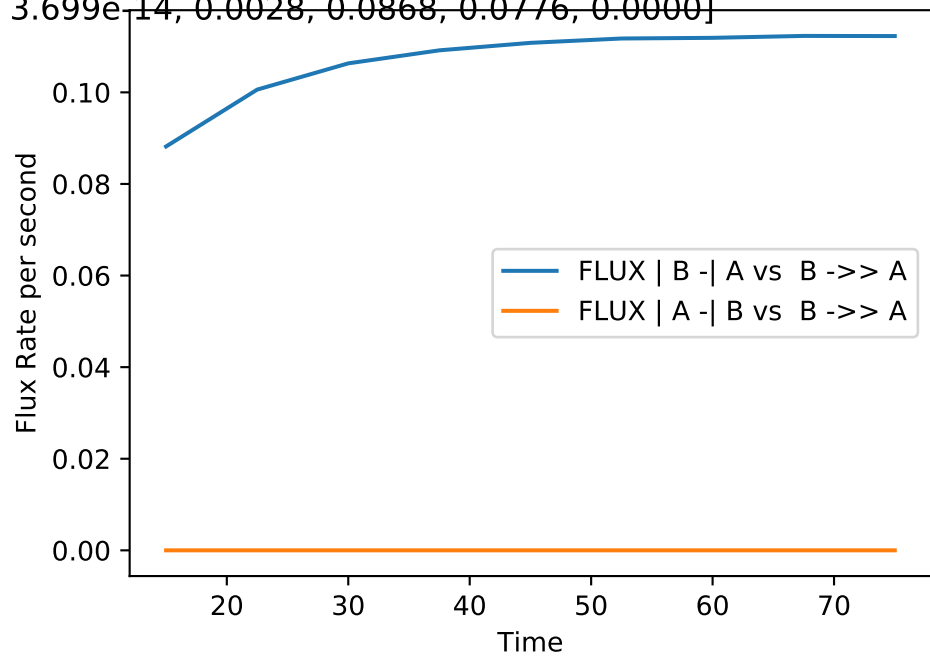
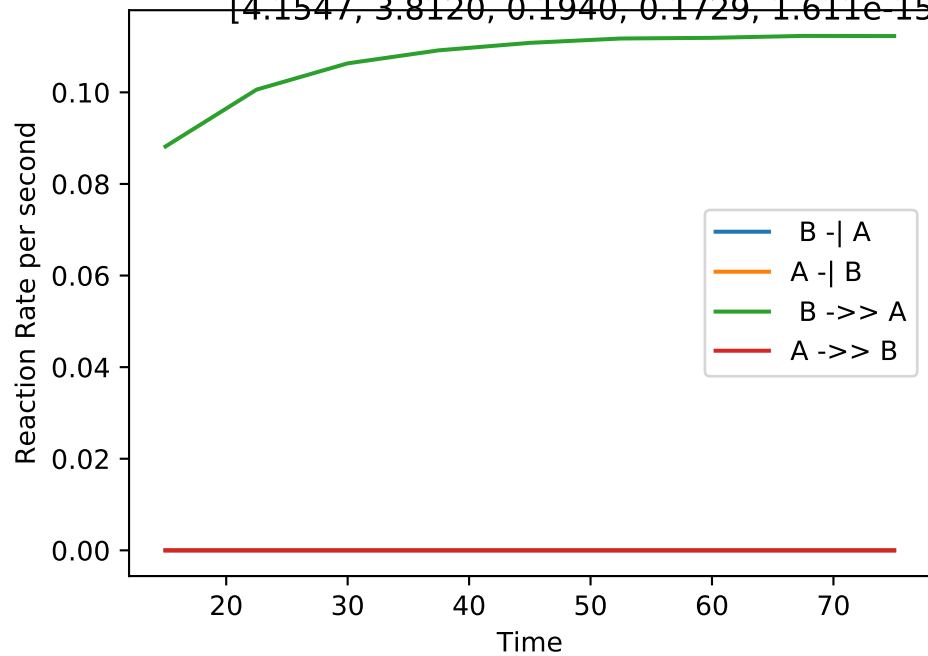
No_up | NLLA No_up(#52):

[4.0681, 3.9650, 0.1927, 0.1805, 1.176e-17, 2.073e-14, 0.0039, 0.0870, 0.0813, 0.0000]



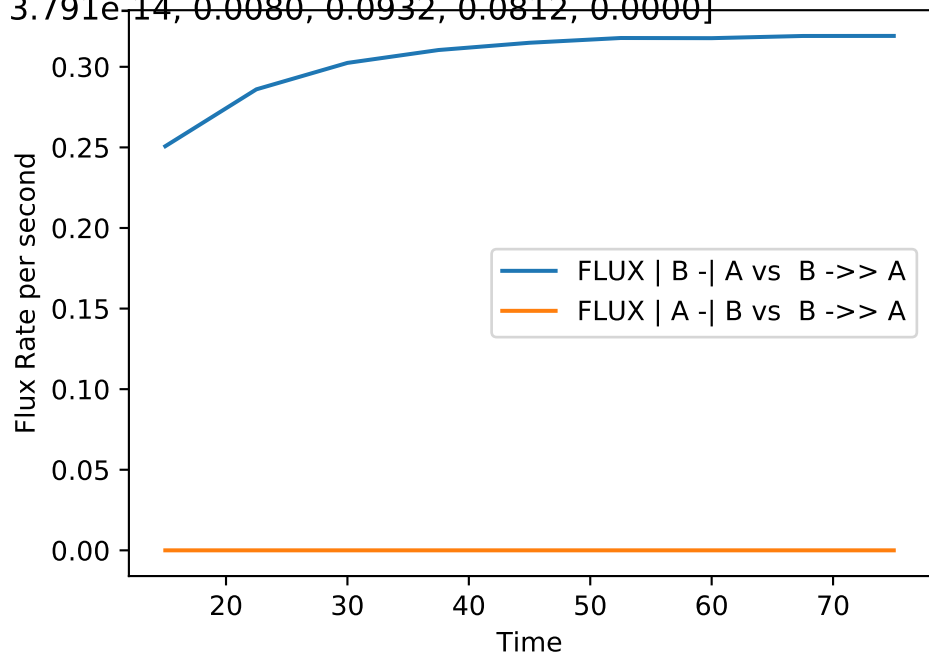
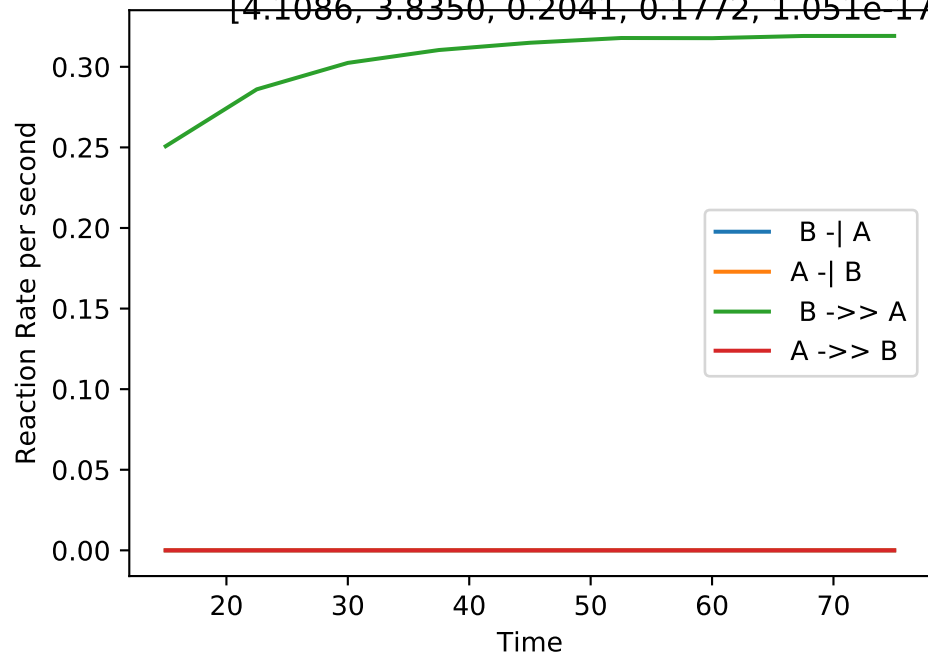
No_up | NLLA No_up(#53):

[4.1547, 3.8120, 0.1940, 0.1729, 1.611e-15, 3.699e-14, 0.0028, 0.0868, 0.0776, 0.0000]



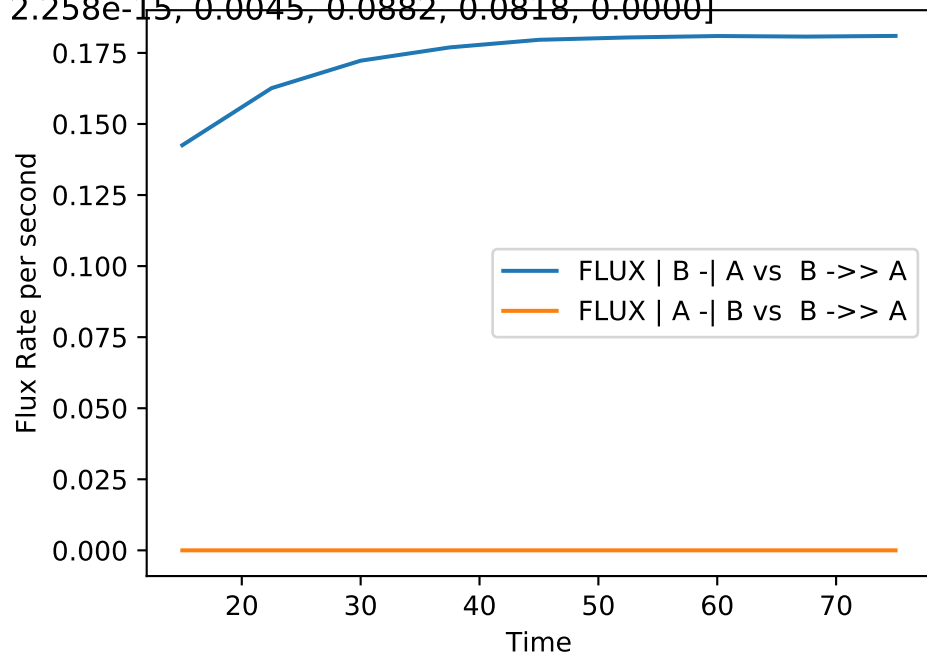
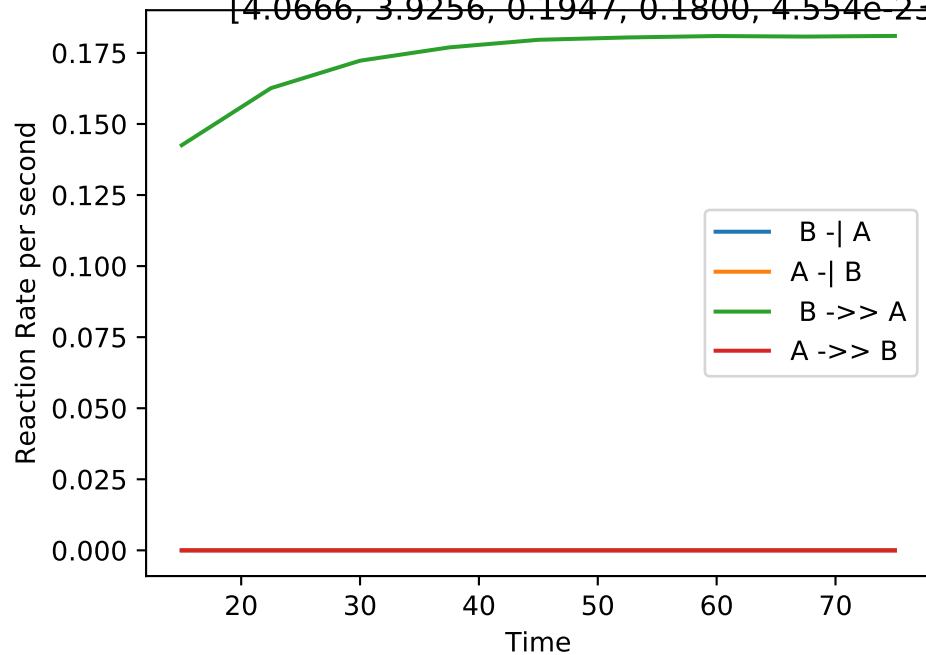
No_up | NLLA No_up(#54):

[4.1086, 3.8350, 0.2041, 0.1772, 1.051e-17, 3.791e-14, 0.0080, 0.0932, 0.0812, 0.0000]



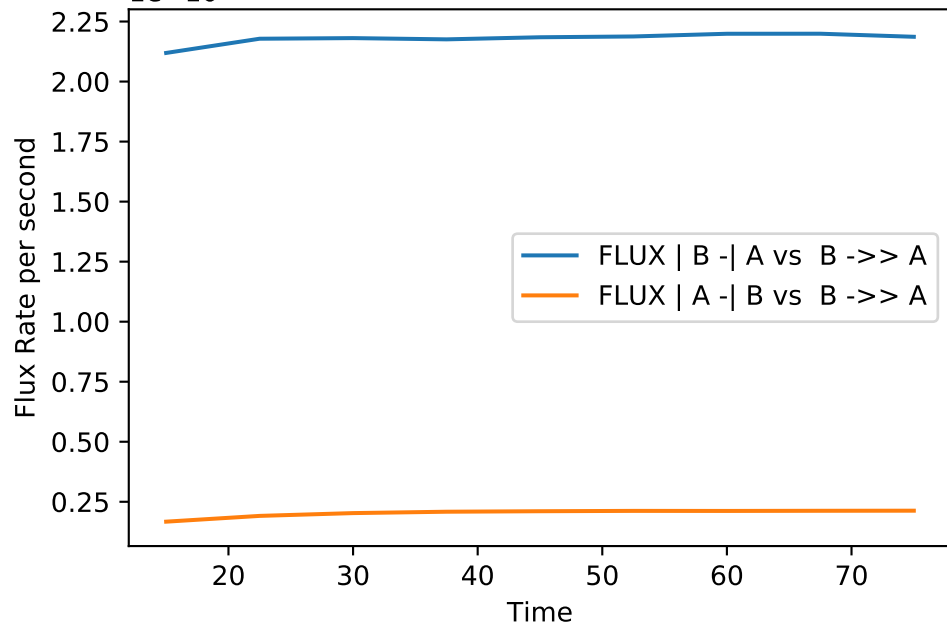
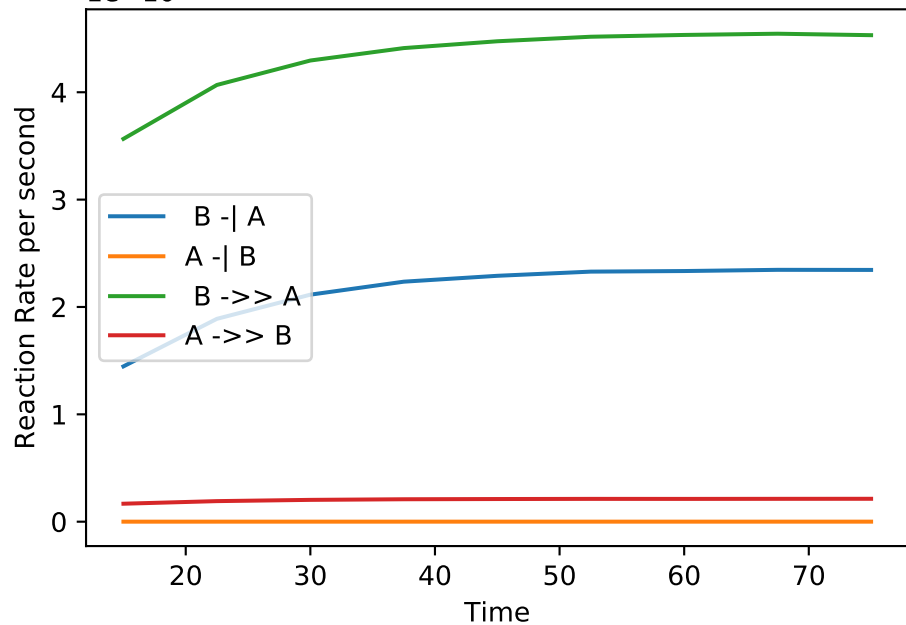
No_up | NLLA No_up(#55):

[4.0666, 3.9256, 0.1947, 0.1800, 4.554e-23, 2.258e-15, 0.0045, 0.0882, 0.0818, 0.0000]



No_up | NLLA No_up(#56):

[4.0349, 3.8047, 0.1795, 0.1711, 1.467e-13, 2.797e-17, 0.0000, 0.0785, 0.0761, 0.0000]



No_up | NLLA No_up(#57):

[3.9160, 3.9660, 0.1813, 0.1803, 6.582e-18, 1.076e-12, 0.0022, 0.0813, 0.0811, 0.0000]

Reaction Rate per second

0.08
0.06
0.04
0.02
0.00

20

30

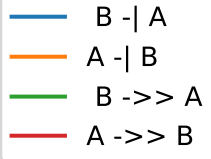
40

50

60

70

Time



Flux Rate per second

0.08
0.06
0.04
0.02
0.00

20

30

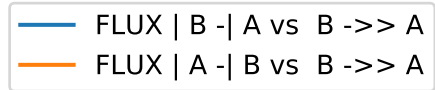
40

50

60

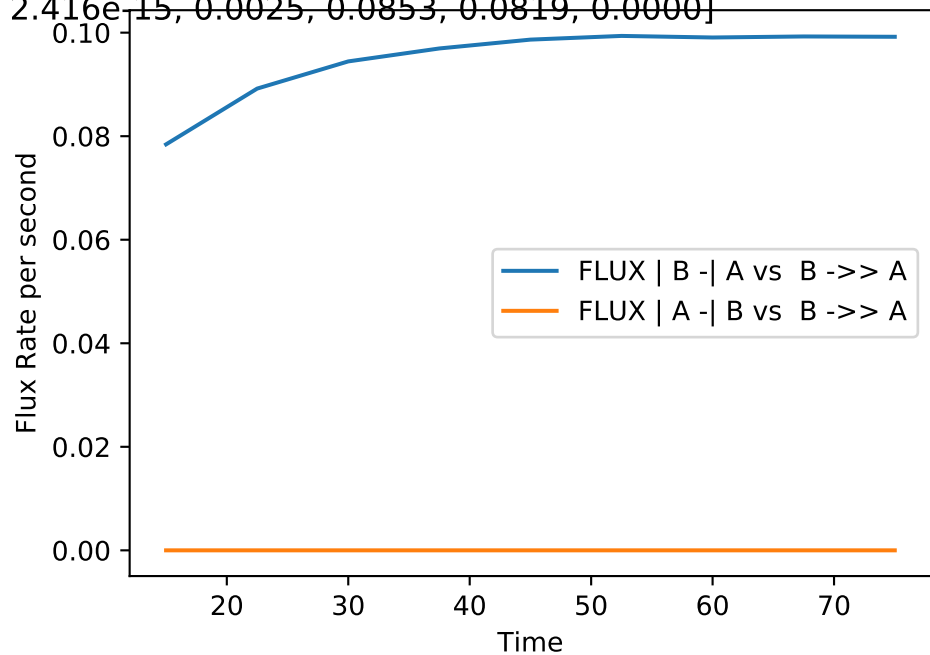
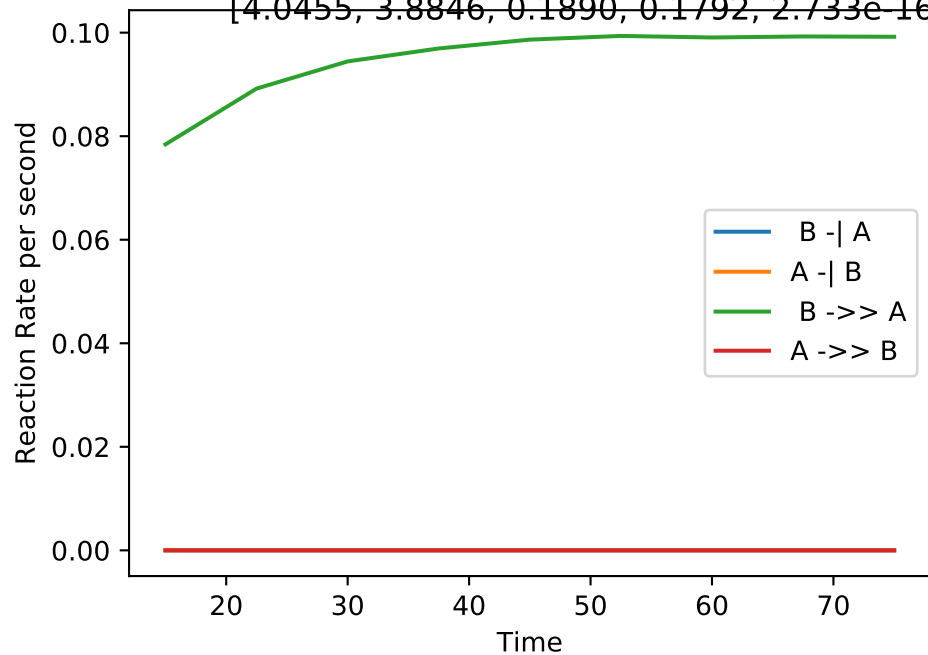
70

Time



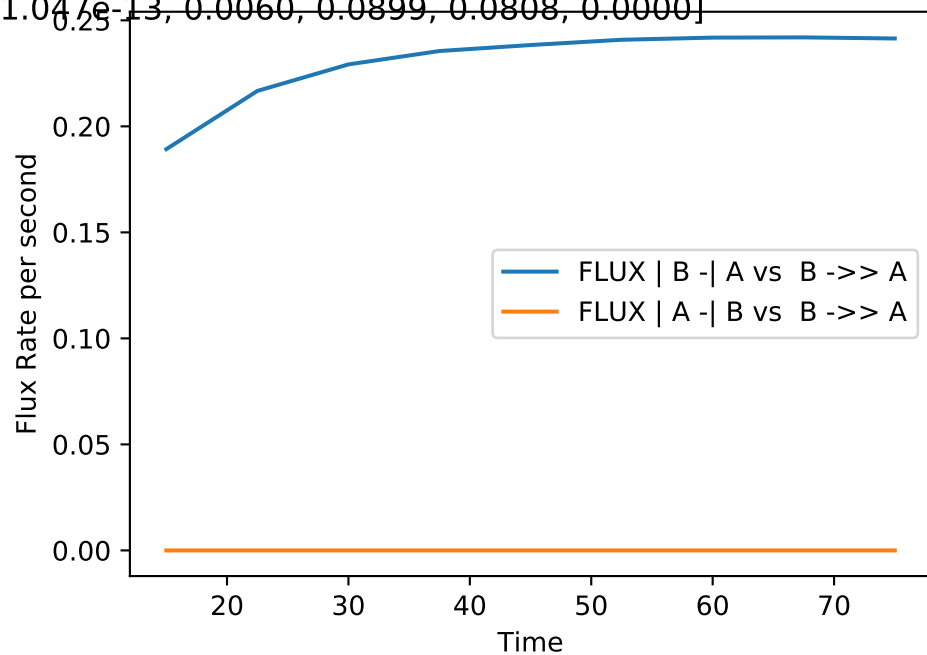
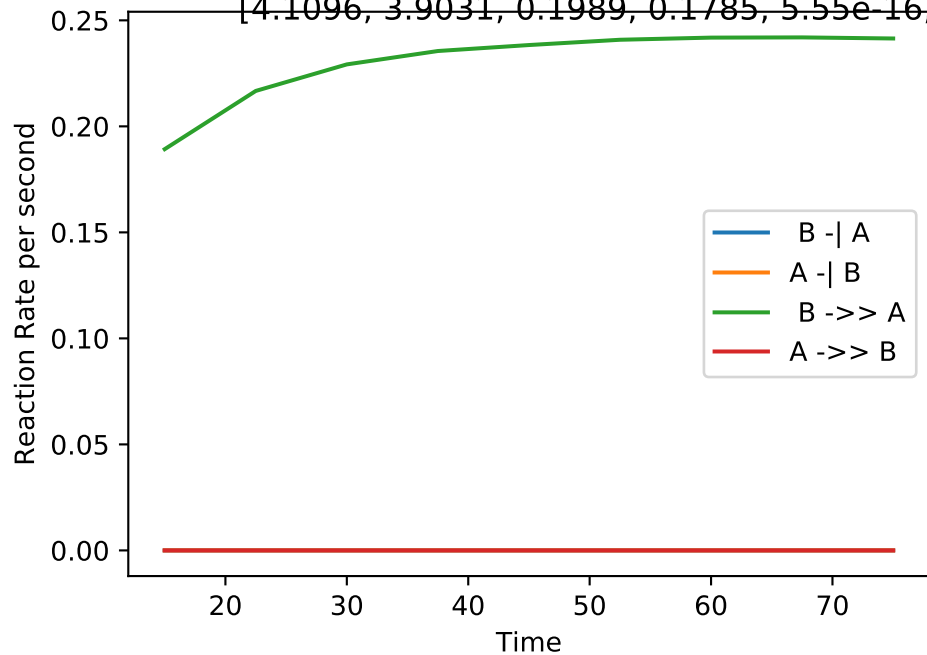
No_up | NLLA No_up(#58):

[4.0455, 3.8846, 0.1890, 0.1792, 2.733e-16, 2.416e-15, 0.0025, 0.0853, 0.0819, 0.0000]



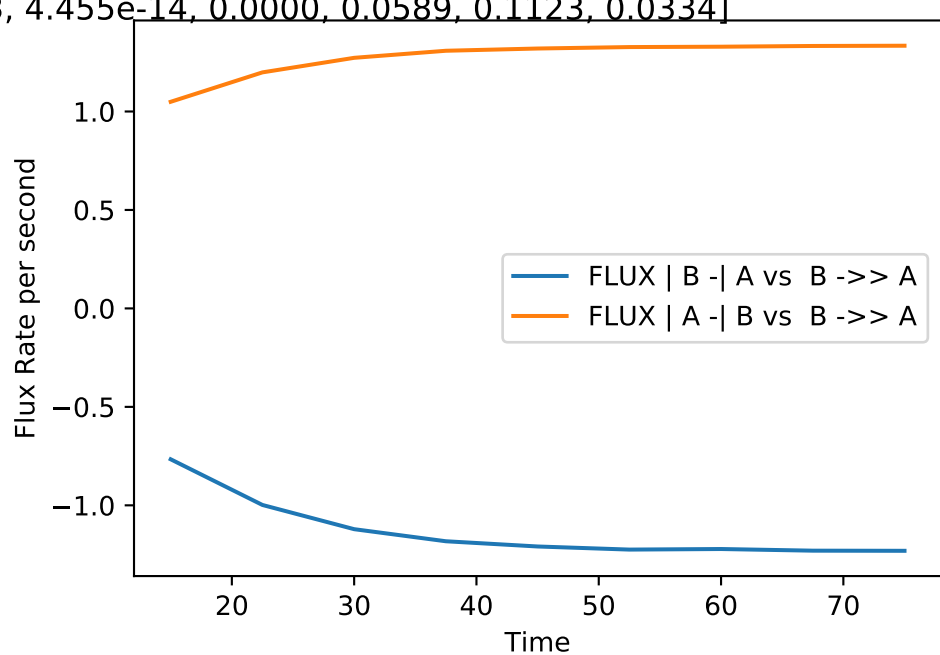
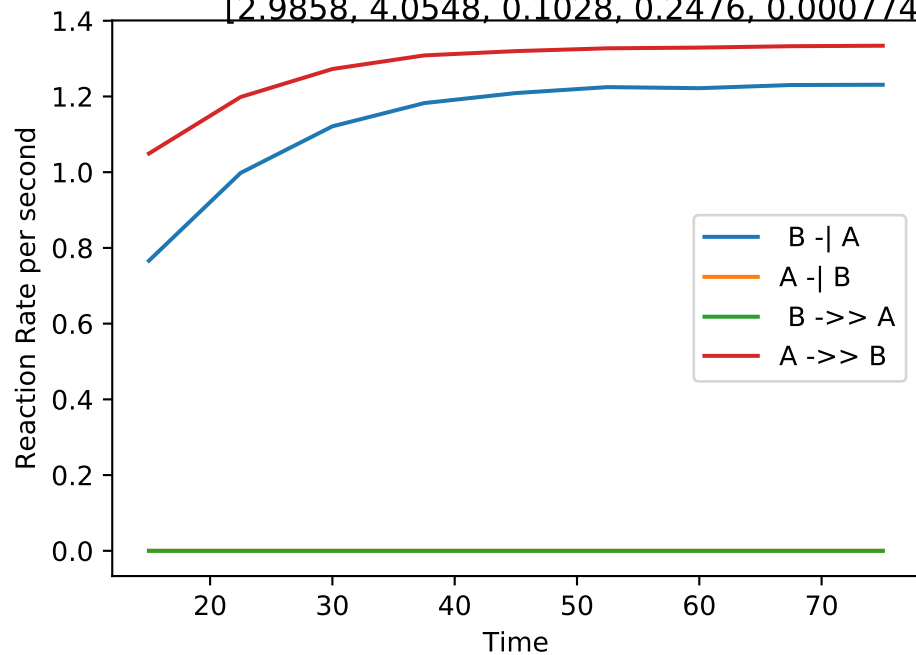
No_up | NLLA No_up(#59):

[4.1096, 3.9031, 0.1989, 0.1785, 5.55e-16, 1.047e-13, 0.0060, 0.0899, 0.0808, 0.0000]



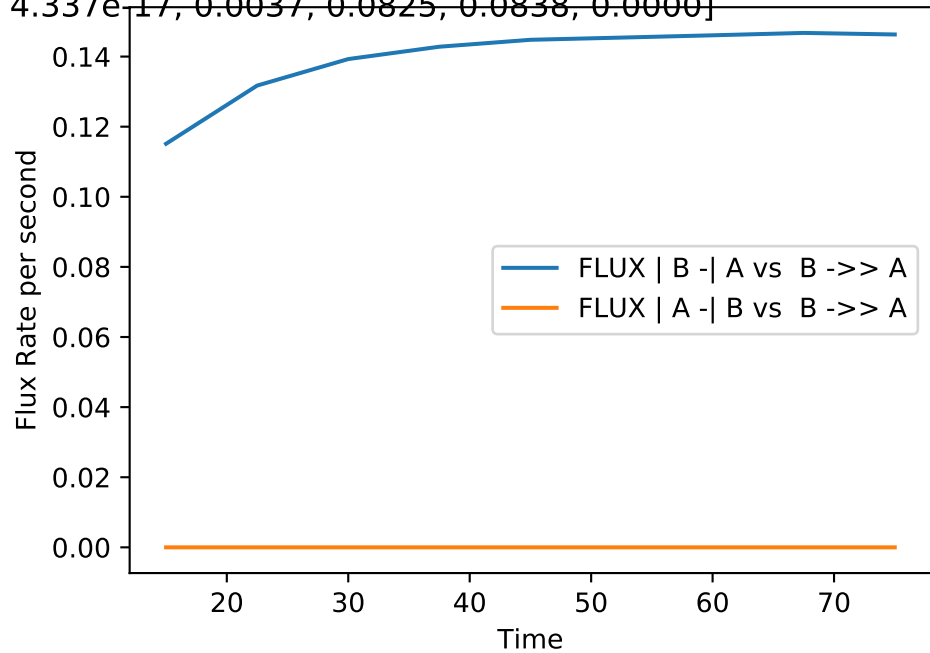
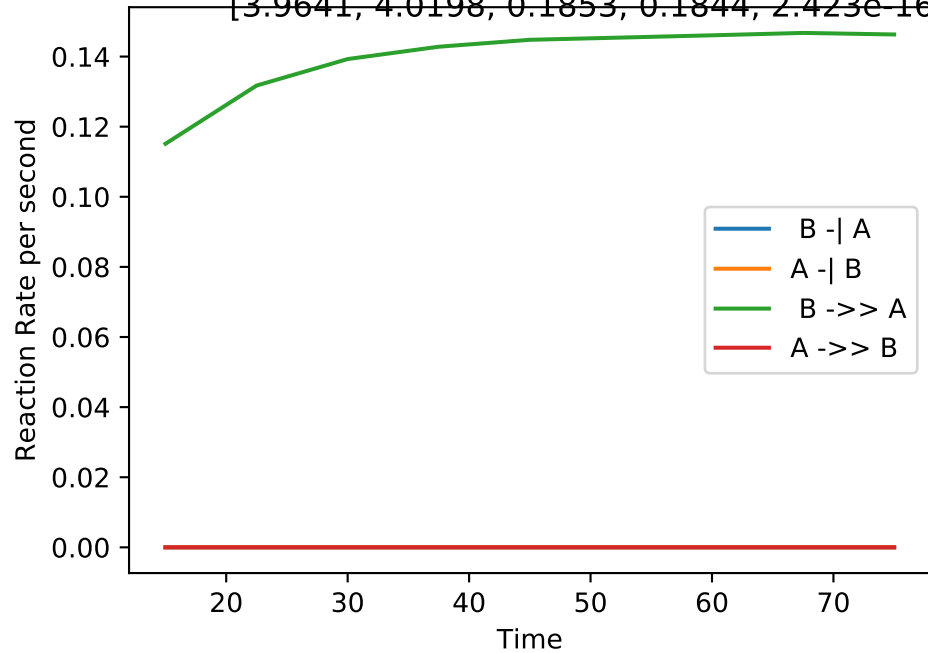
No_up | NLLA No_up(#60):

[2.9858, 4.0548, 0.1028, 0.2476, 0.0007743, 4.455e-14, 0.0000, 0.0589, 0.1123, 0.0334]



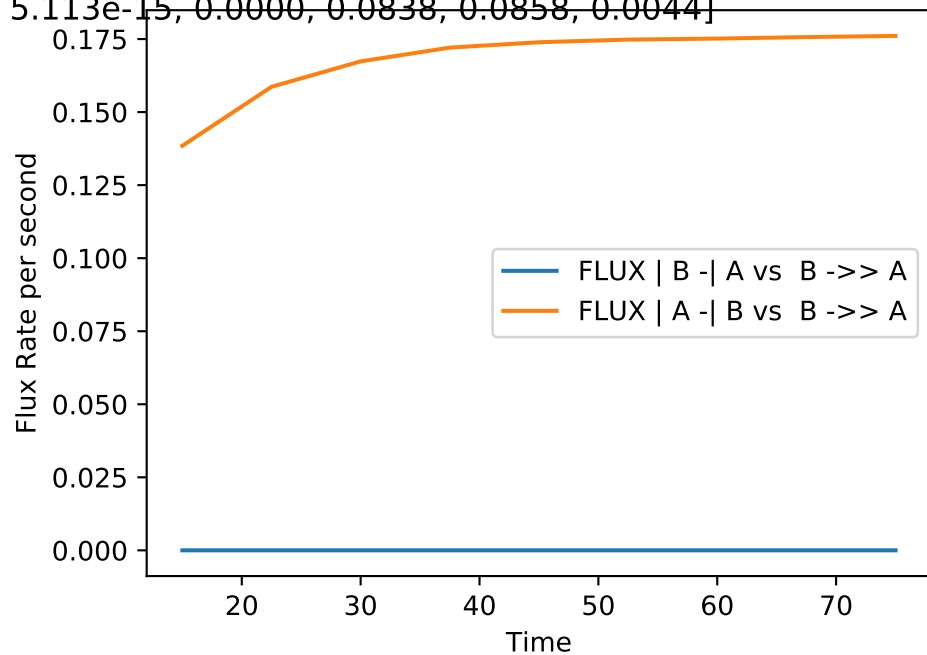
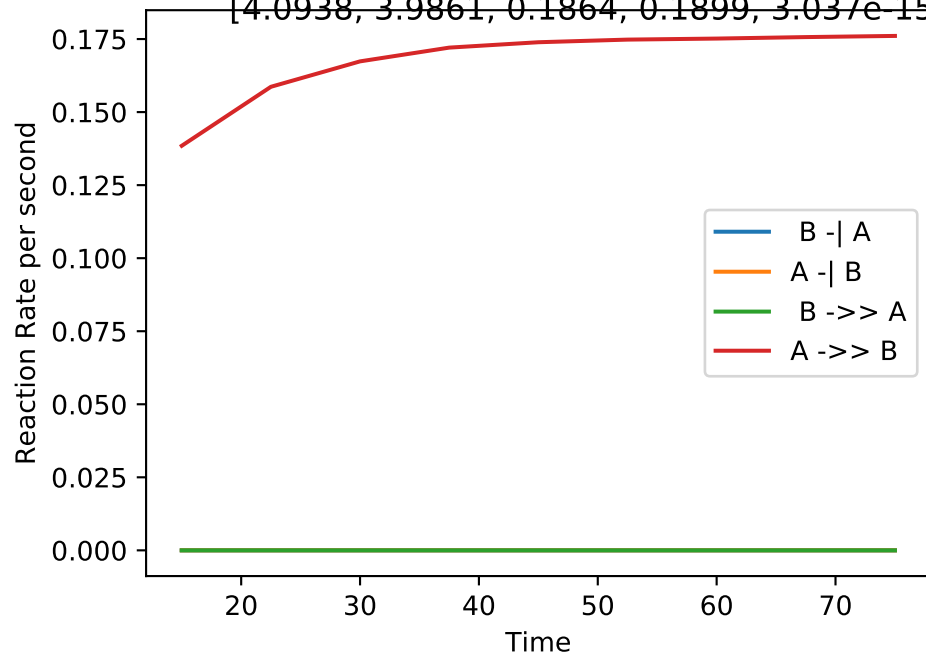
No_up | NLLA No_up(#61):

[3.9641, 4.0198, 0.1853, 0.1844, 2.423e-16, 4.337e-17, 0.0037, 0.0825, 0.0838, 0.0000]



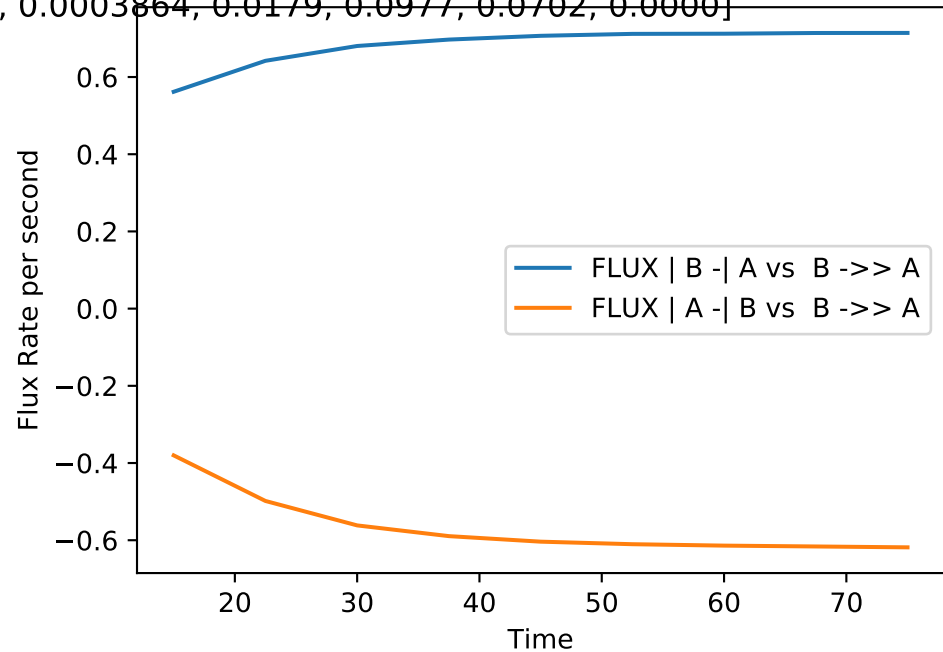
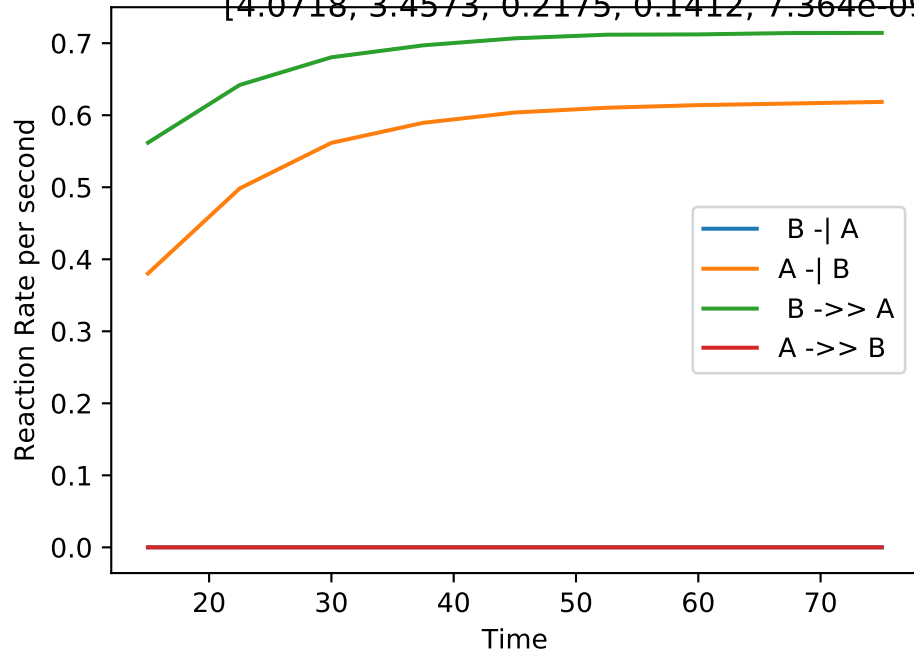
No_up | NLLA No_up(#62):

[4.0938, 3.9861, 0.1864, 0.1899, 3.037e-15, 5.113e-15, 0.0000, 0.0838, 0.0858, 0.0044]



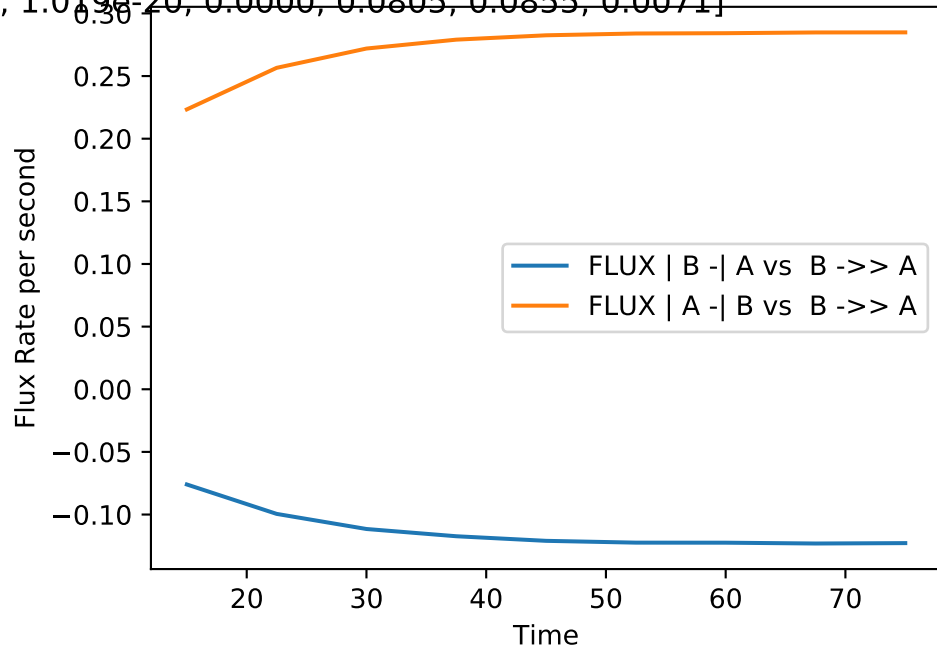
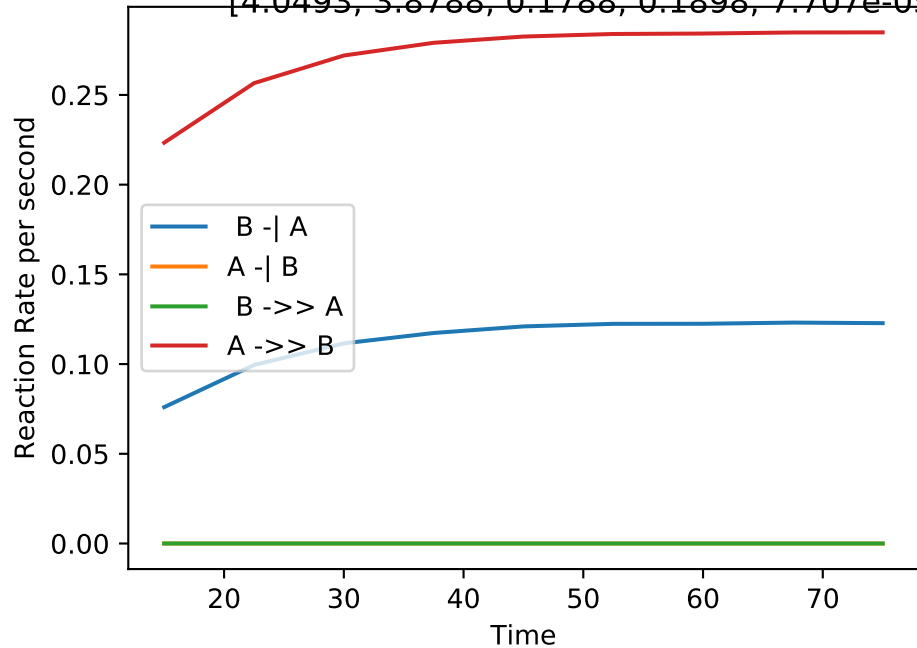
No_up | NLLA No_up(#63):

[4.0718, 3.4573, 0.2175, 0.1412, 7.364e-09, 0.0003864, 0.0179, 0.0977, 0.0702, 0.0000]



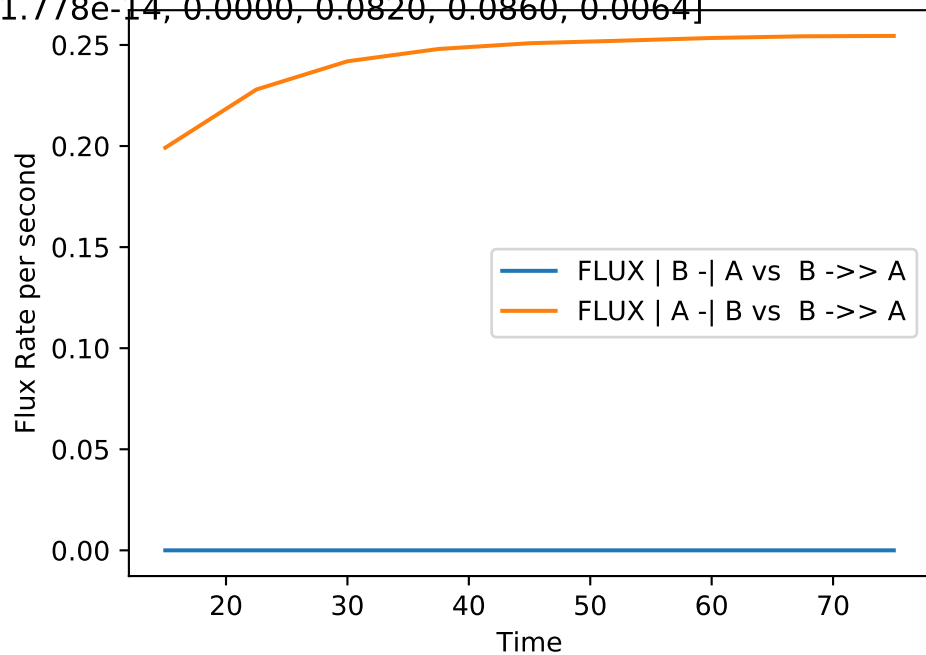
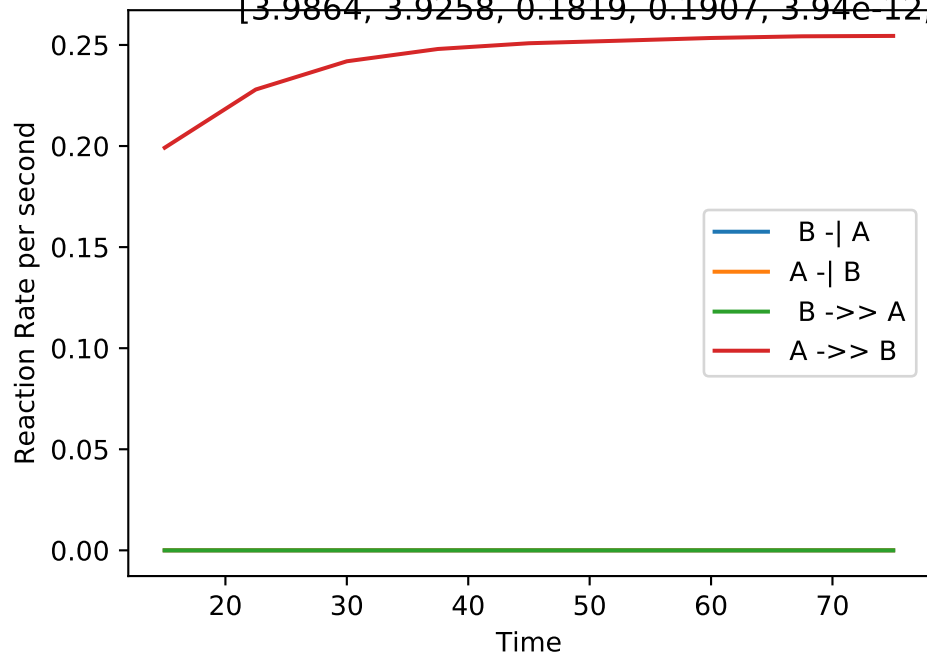
No_up | NLLA No_up(#64):

[4.0493, 3.8788, 0.1788, 0.1898, 7.707e-05, 1.019e-20, 0.0000, 0.0805, 0.0855, 0.0071]



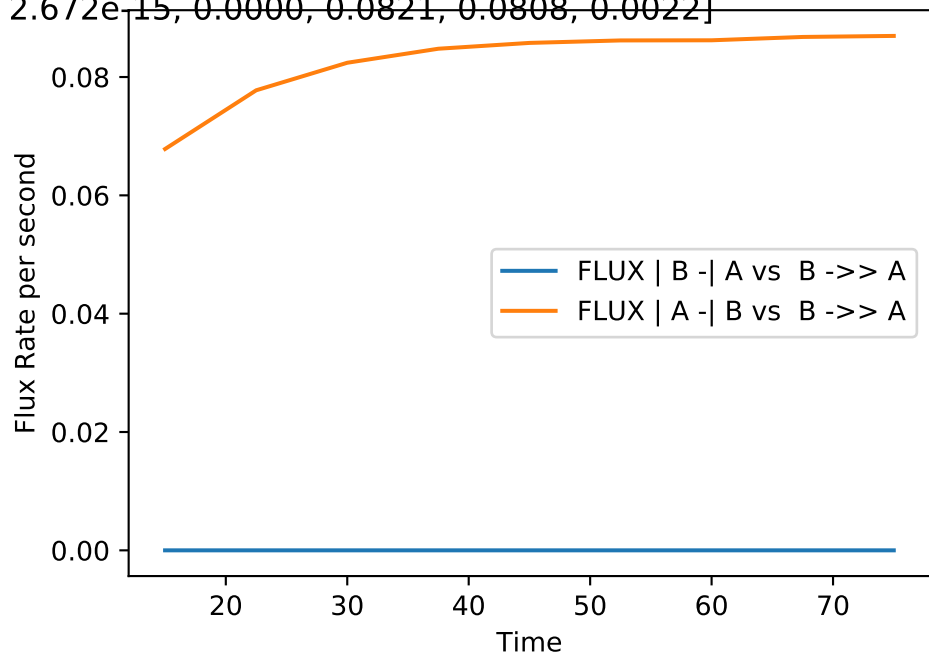
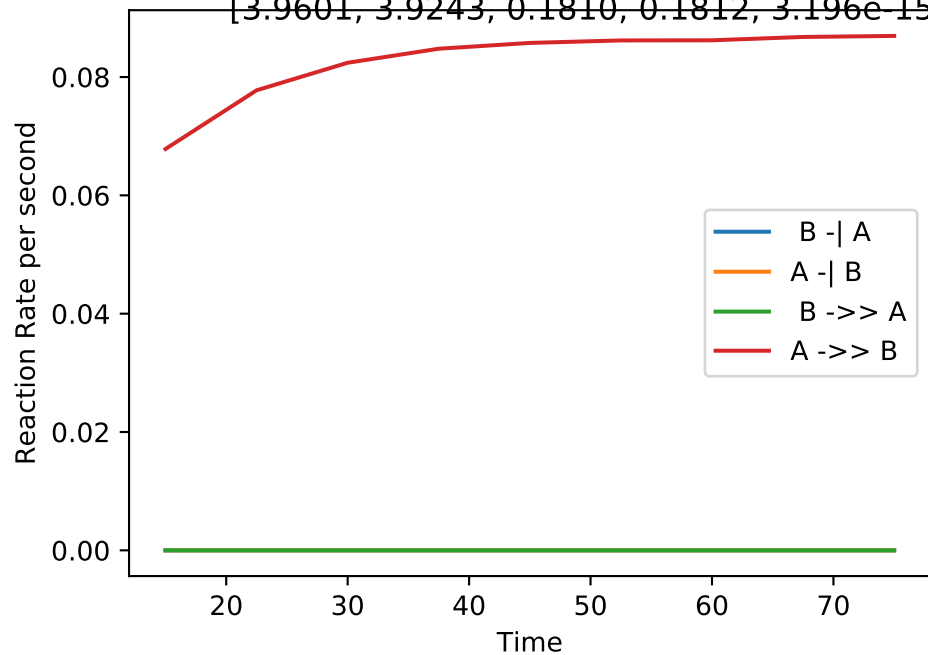
No_up | NLLA No_up(#65):

[3.9864, 3.9258, 0.1819, 0.1907, 3.94e-12, 1.778e-14, 0.0000, 0.0820, 0.0860, 0.0064]



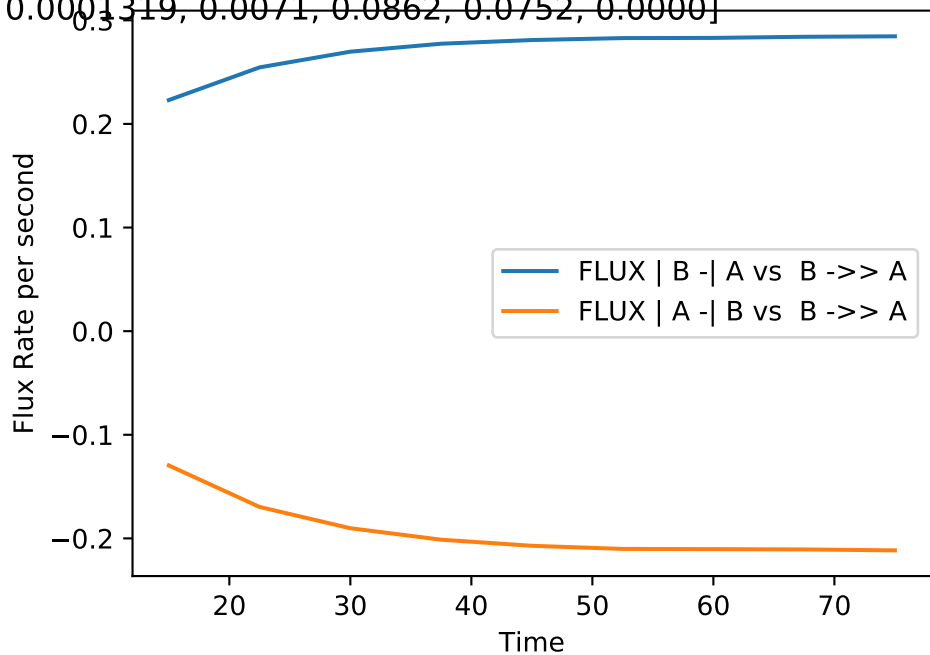
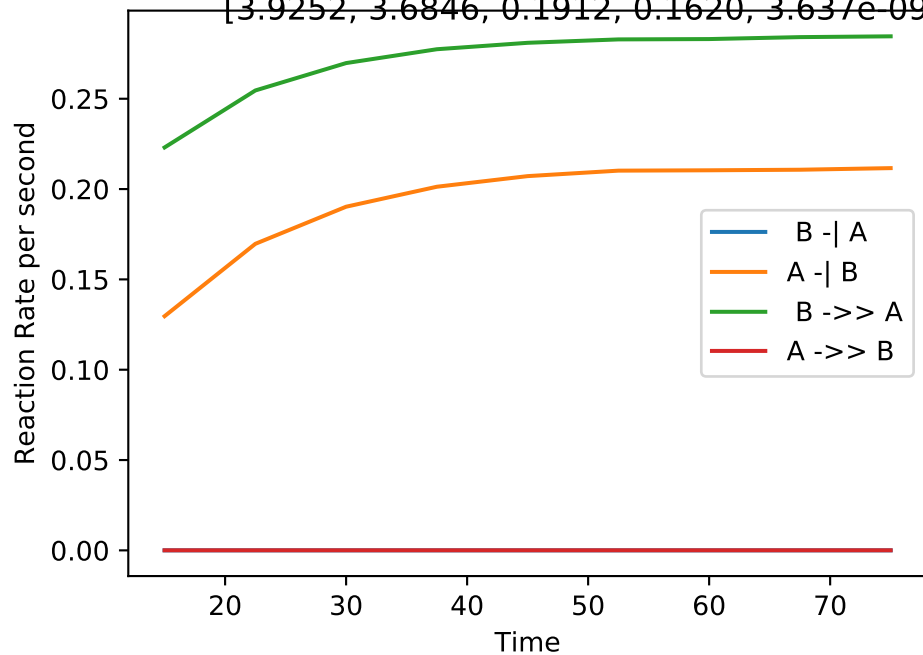
No_up | NLLA No_up(#66):

[3.9601, 3.9243, 0.1810, 0.1812, 3.196e-15, 2.672e-15, 0.0000, 0.0821, 0.0808, 0.0022]



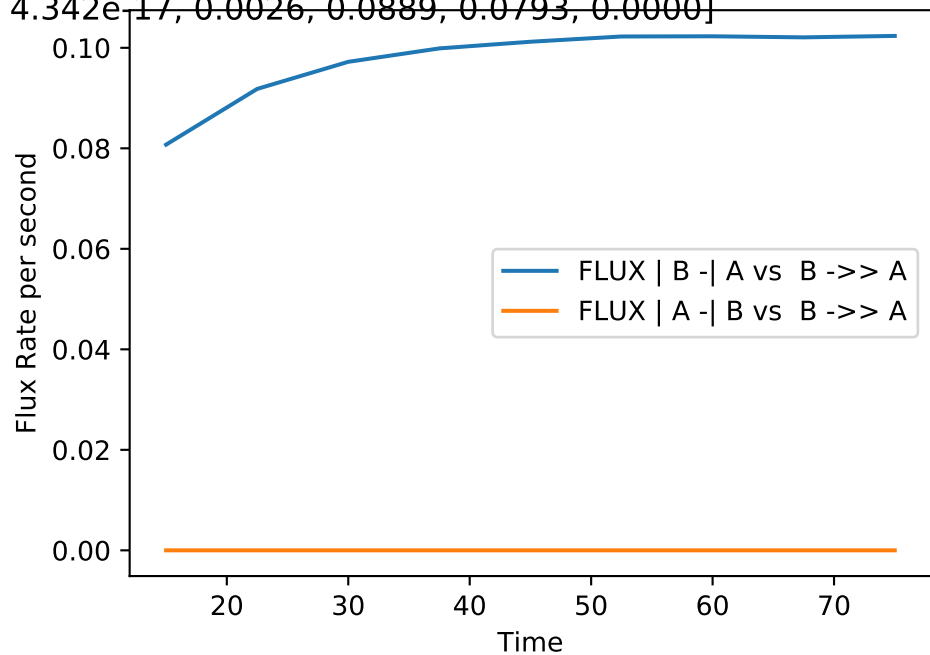
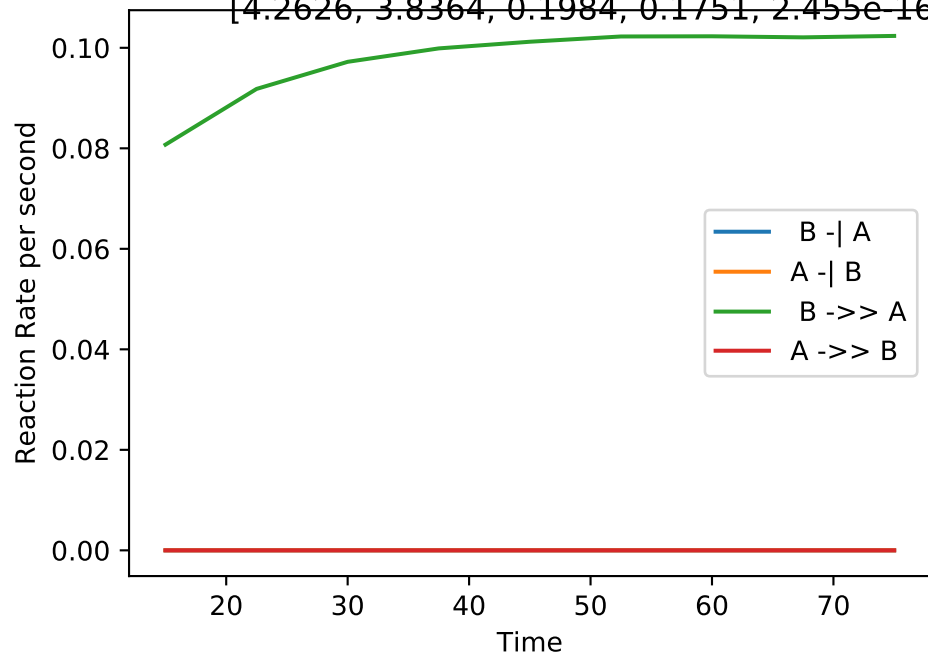
No_up | NLLA No_up(#67):

[3.9252, 3.6846, 0.1912, 0.1620, 3.637e-09, 0.0001319, 0.0071, 0.0862, 0.0752, 0.0000]



No_up | NLLA No_up(#68):

[4.2626, 3.8364, 0.1984, 0.1751, 2.455e-16, 4.342e-17, 0.0026, 0.0889, 0.0793, 0.0000]



No_up | NLLA No_up(#69):

[3.9442, 3.9871, 0.1877, 0.1817, 5.604e-17, 6.745e-16, 0.0051, 0.0839, 0.0820, 0.0000]

Reaction Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

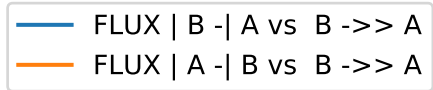
40

50

60

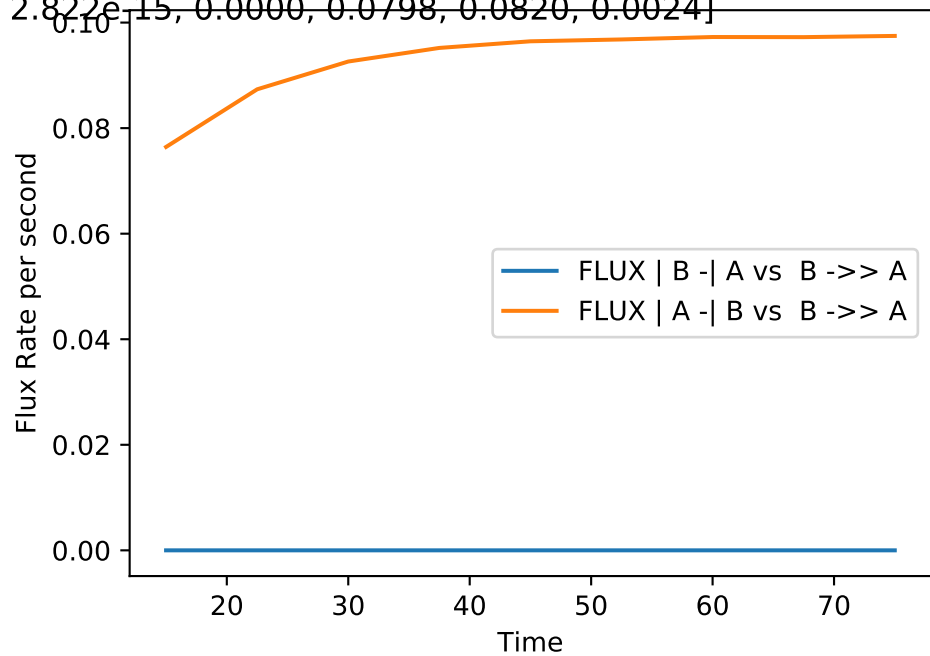
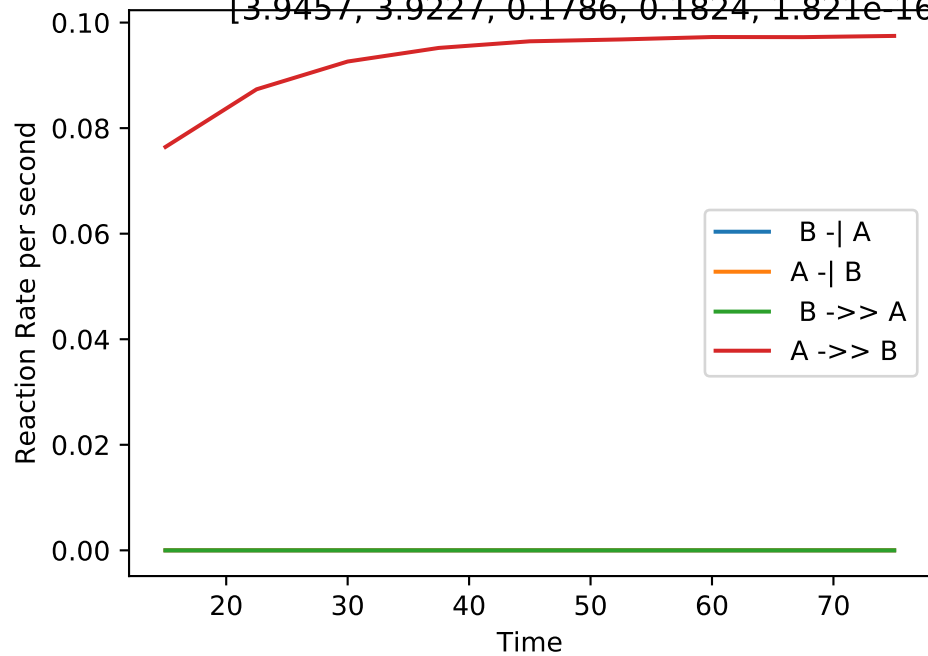
70

Time



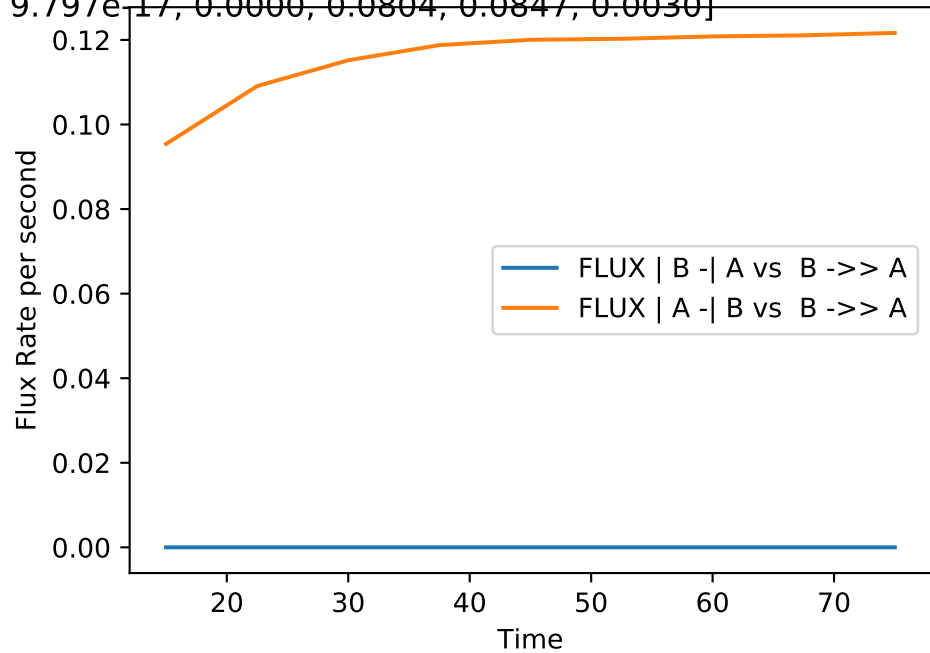
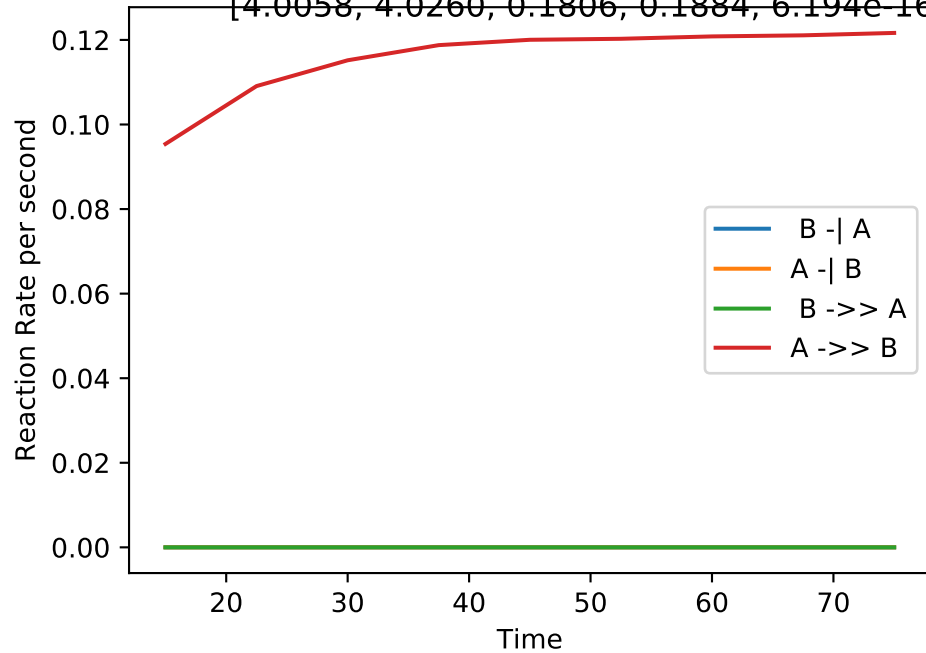
No_up | NLLA No_up(#70):

[3.9457, 3.9227, 0.1786, 0.1824, 1.821e-16, 2.822e-15, 0.0000, 0.0798, 0.0820, 0.0024]



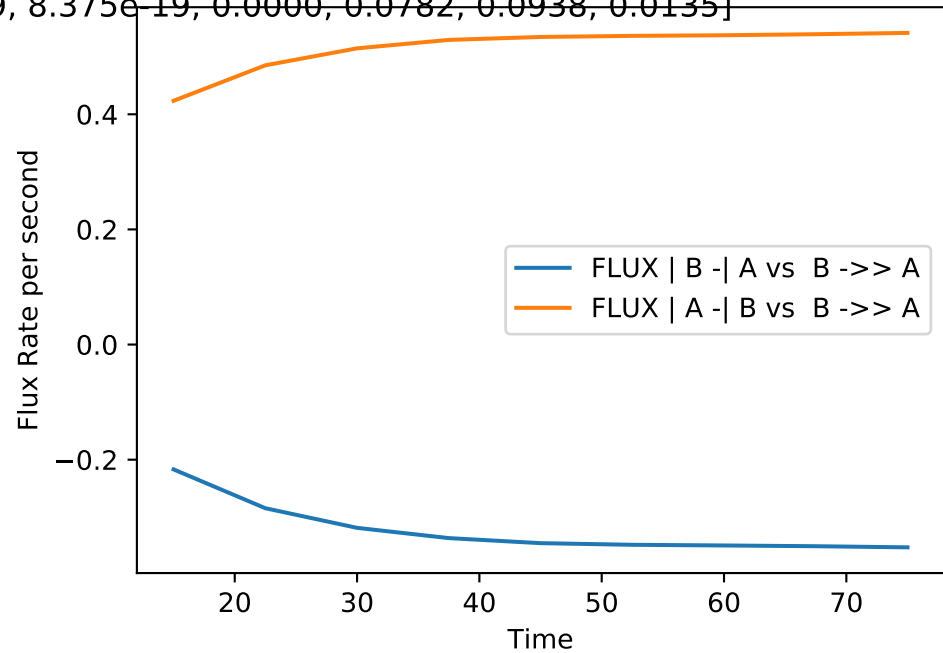
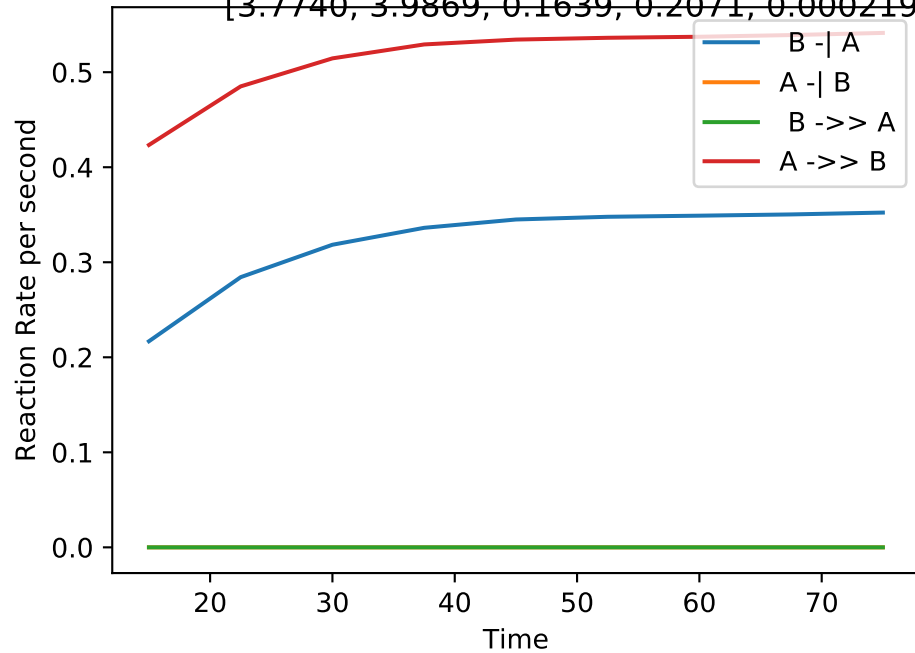
No_up | NLLA No_up(#71):

[4.0058, 4.0260, 0.1806, 0.1884, 6.194e-16, 9.797e-17, 0.0000, 0.0804, 0.0847, 0.0030]



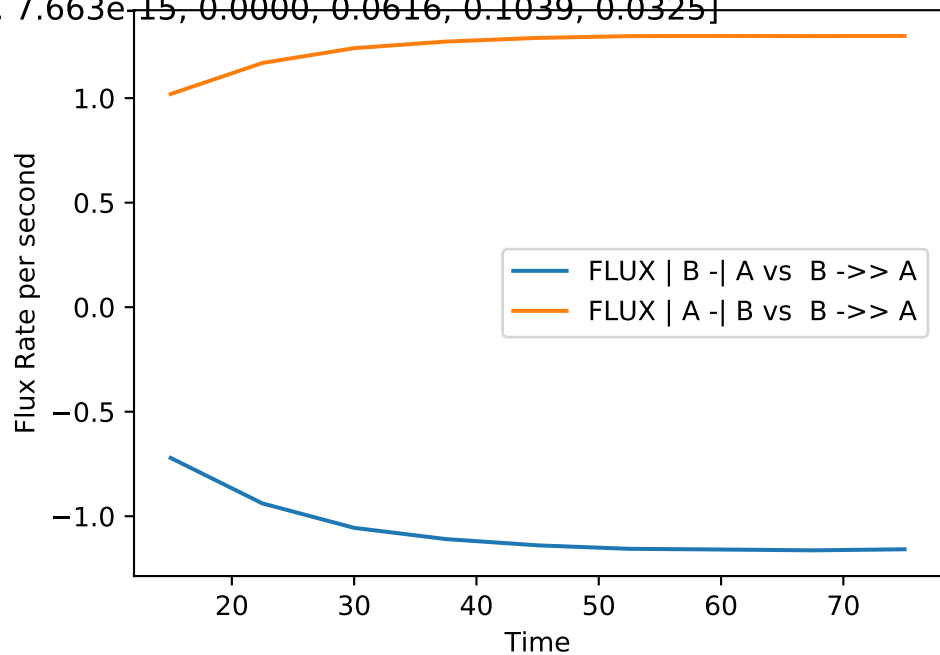
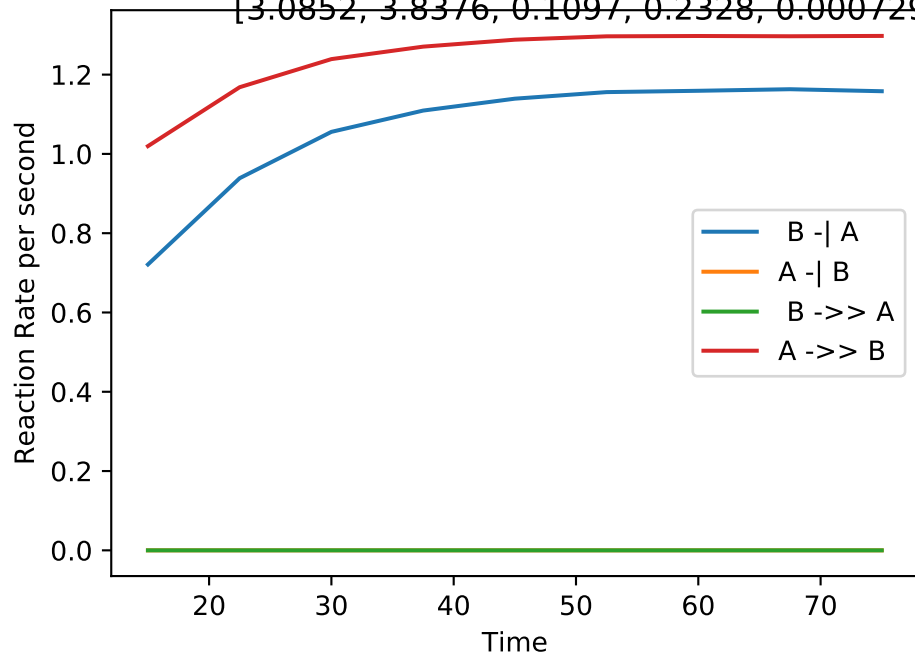
No_up | NLLA No_up(#72):

[3.7740, 3.9869, 0.1639, 0.2071, 0.0002199, 8.375e-19, 0.0000, 0.0782, 0.0938, 0.0135]



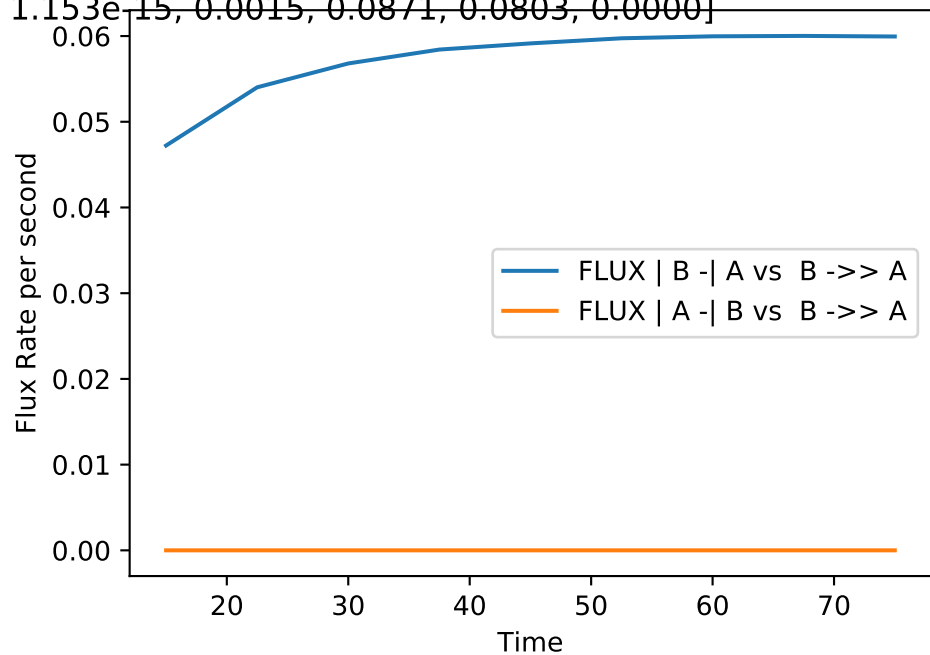
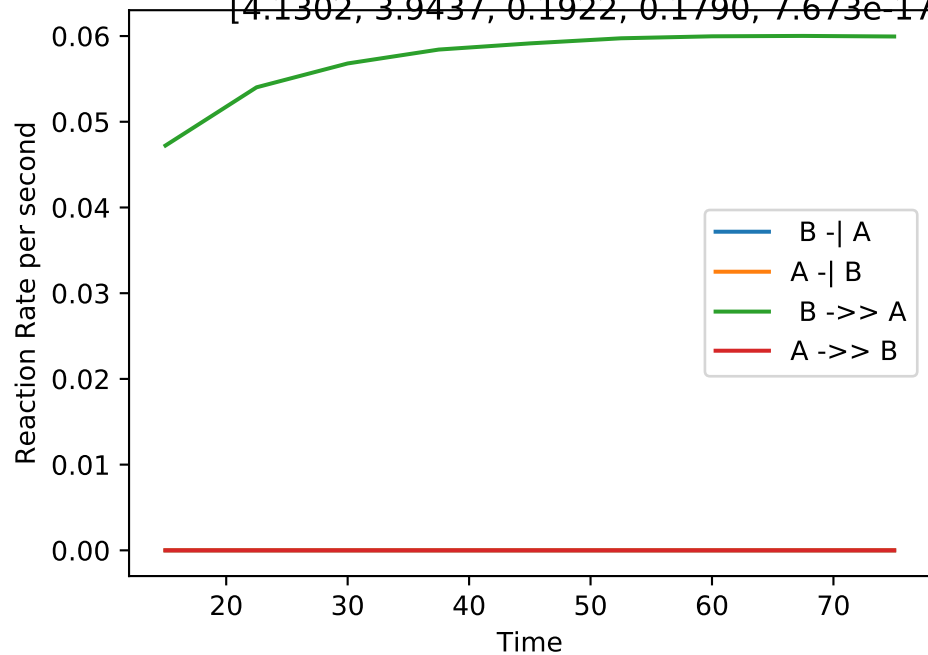
No_up | NLLA No_up(#73):

[3.0852, 3.8376, 0.1097, 0.2328, 0.000729, 7.663e-15, 0.0000, 0.0616, 0.1039, 0.0325]



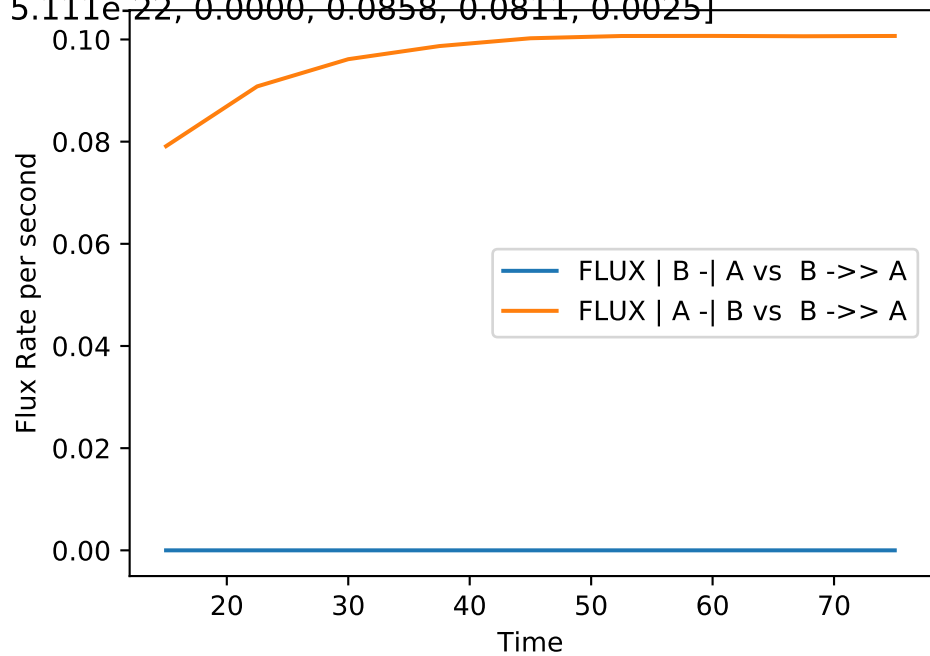
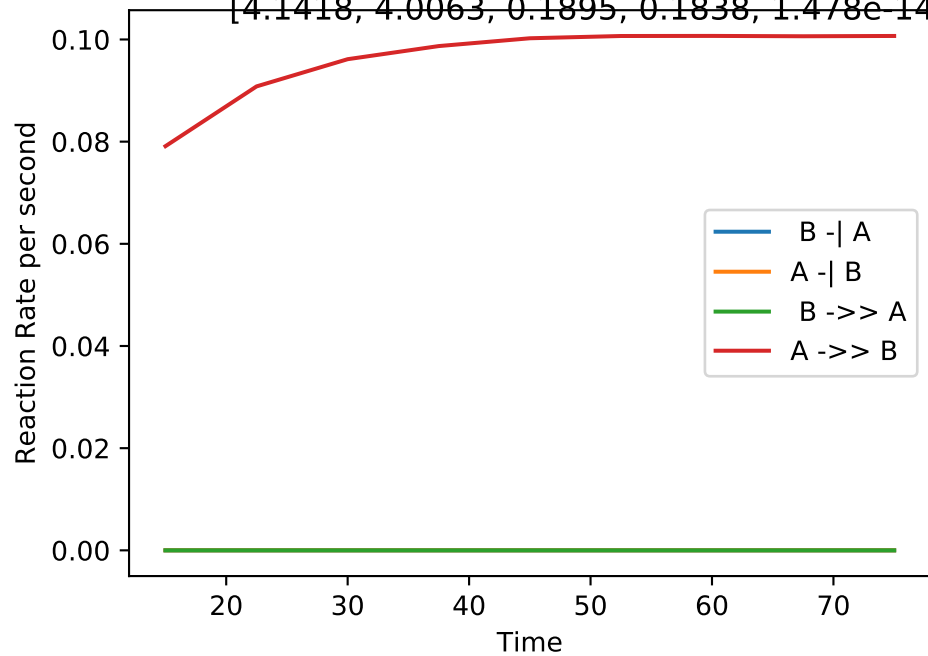
No_up | NLLA No_up(#74):

[4.1302, 3.9437, 0.1922, 0.1790, 7.673e-17, 1.153e-15, 0.0015, 0.0871, 0.0803, 0.0000]



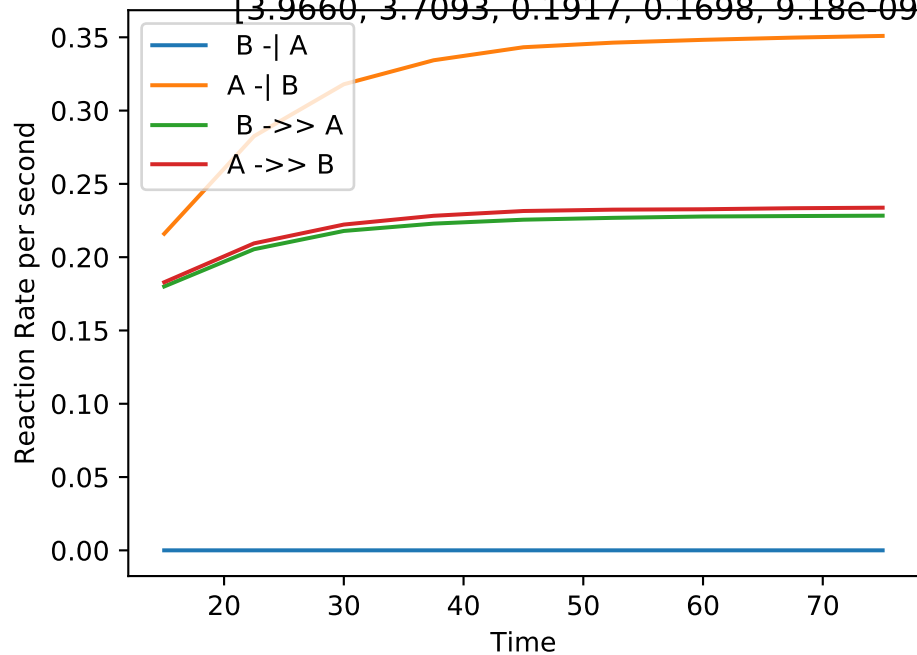
No_up | NLLA No_up(#75):

[4.1418, 4.0063, 0.1895, 0.1838, 1.478e-14, 5.111e-22, 0.0000, 0.0858, 0.0811, 0.0025]

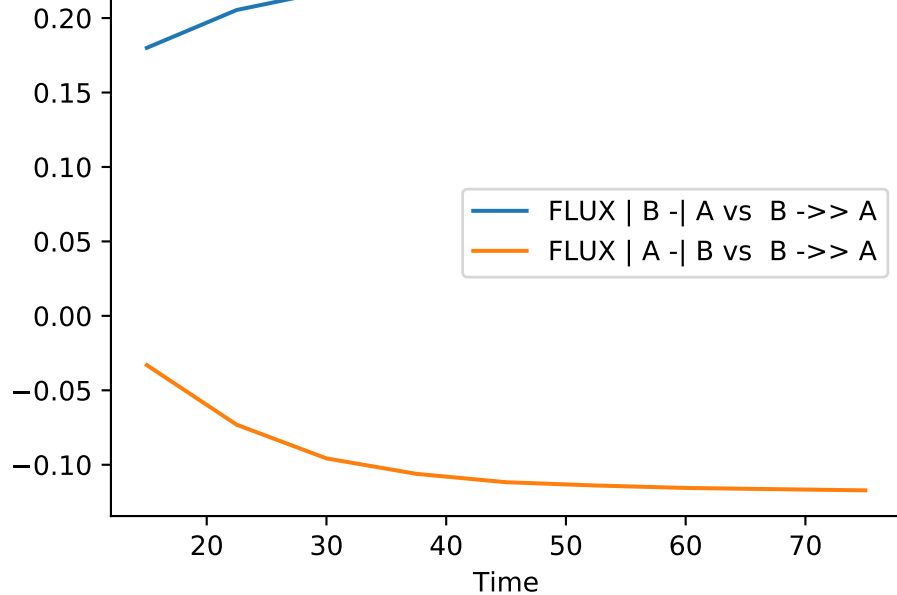


No_up | NLLA No_up(#76):

[3.9660, 3.7093, 0.1917, 0.1698, 9.18e-09, 0.0002199, 0.0057, 0.0868, 0.0797, 0.0058]

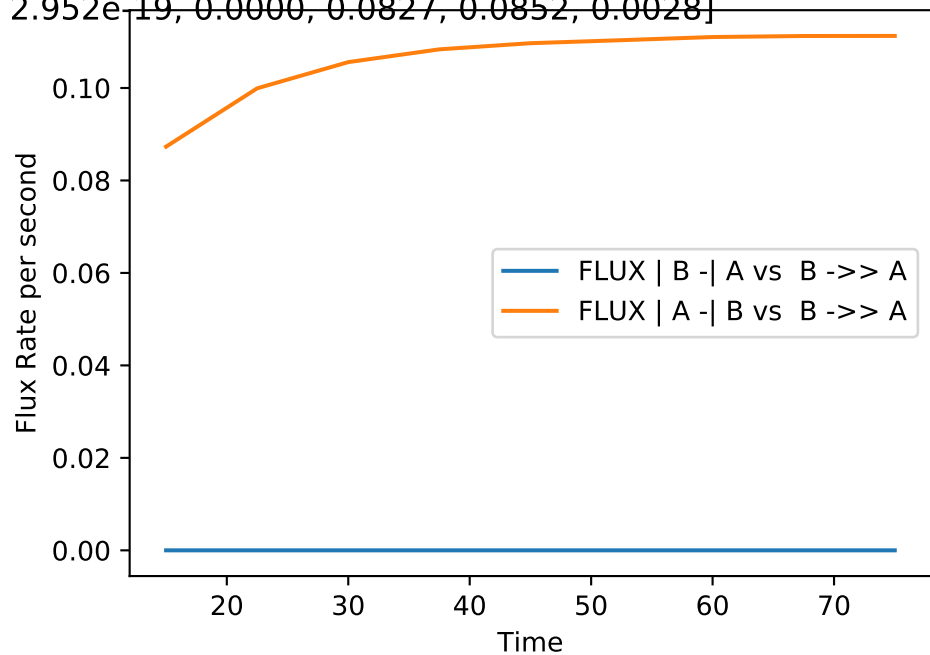
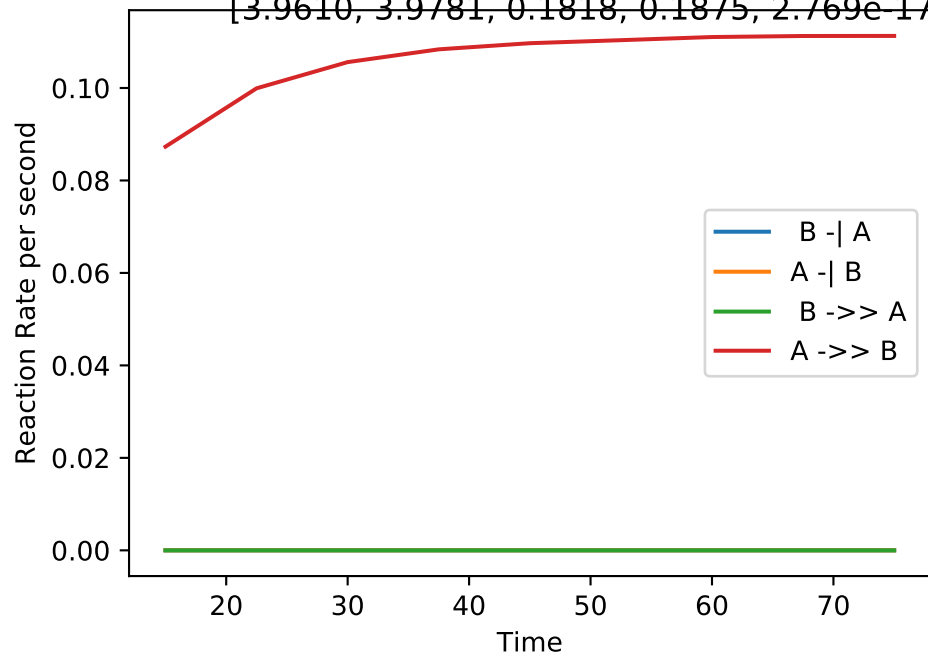


Flux Rate per second



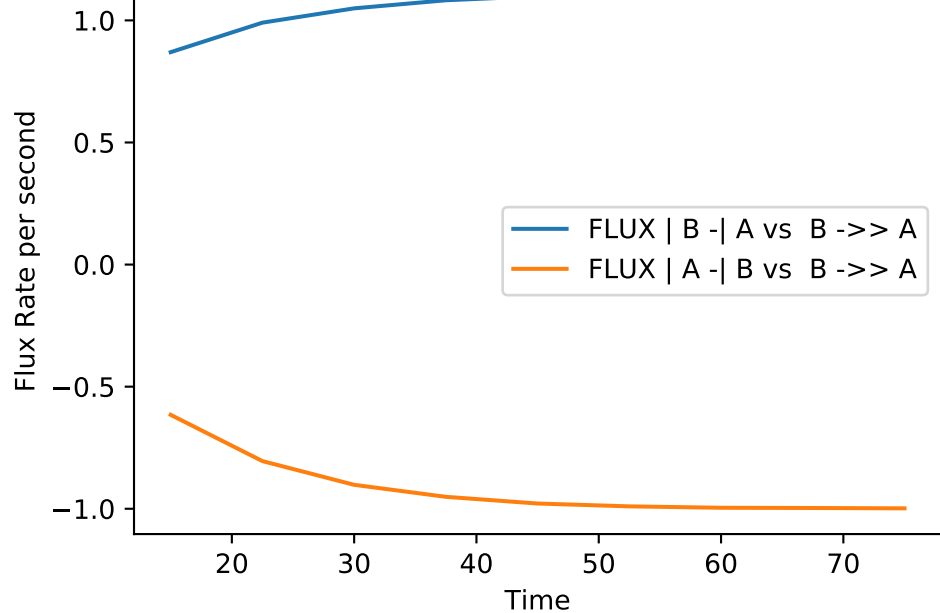
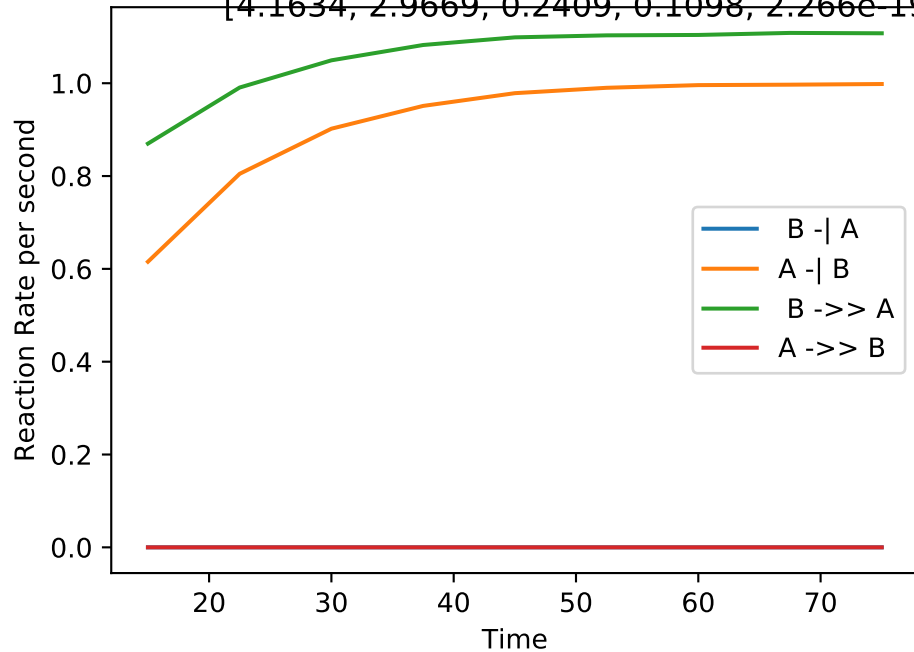
No_up | NLLA No_up(#77):

[3.9610, 3.9781, 0.1818, 0.1875, 2.769e-17, 2.952e-19, 0.0000, 0.0827, 0.0852, 0.0028]



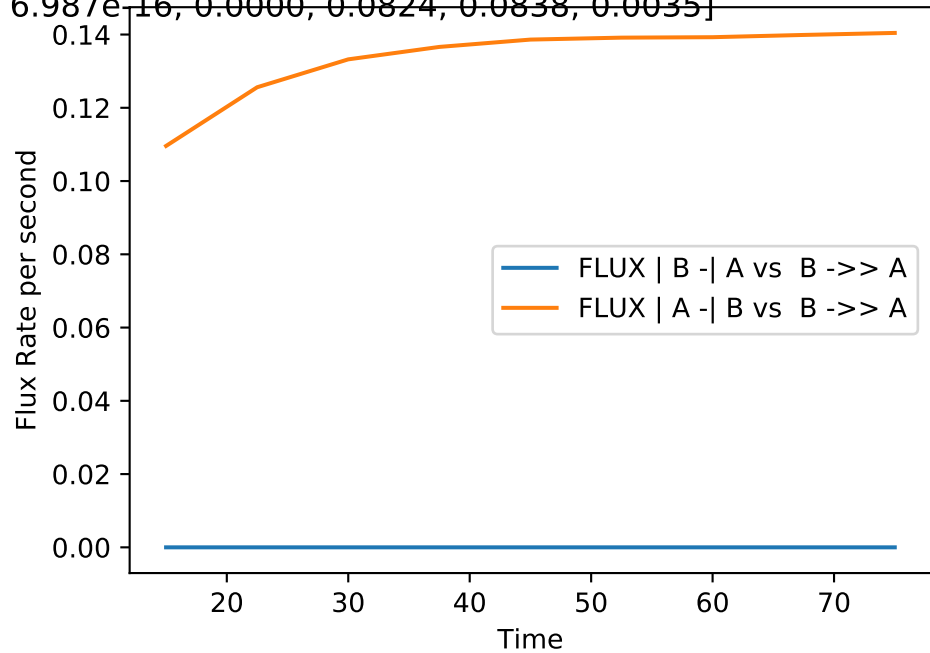
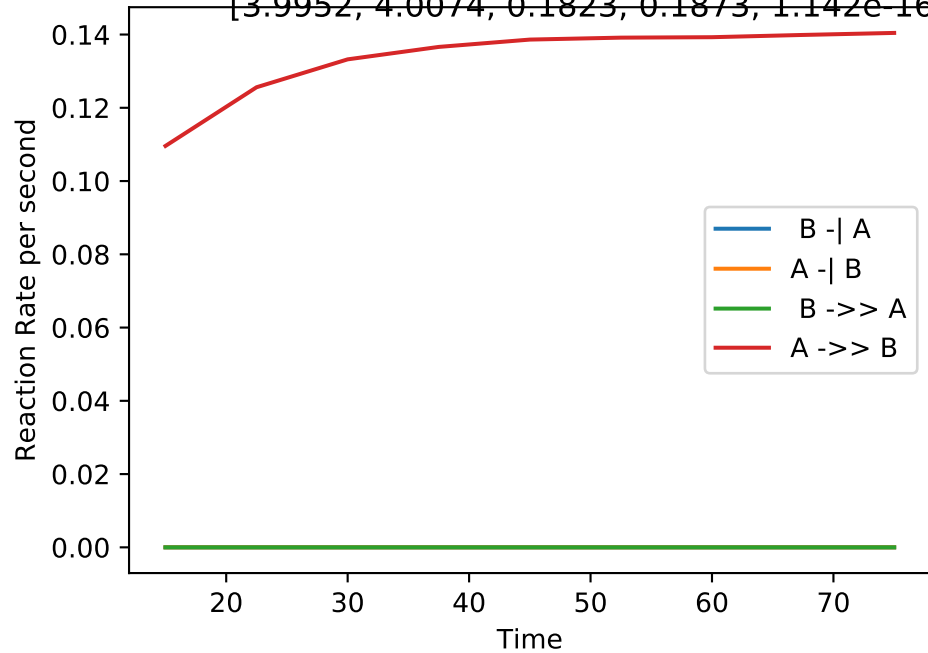
No_up | NLLA No_up(#78):

[4.1634, 2.9669, 0.2409, 0.1098, 2.266e-19, 0.0006239, 0.0277, 0.1090, 0.0607, 0.0000]



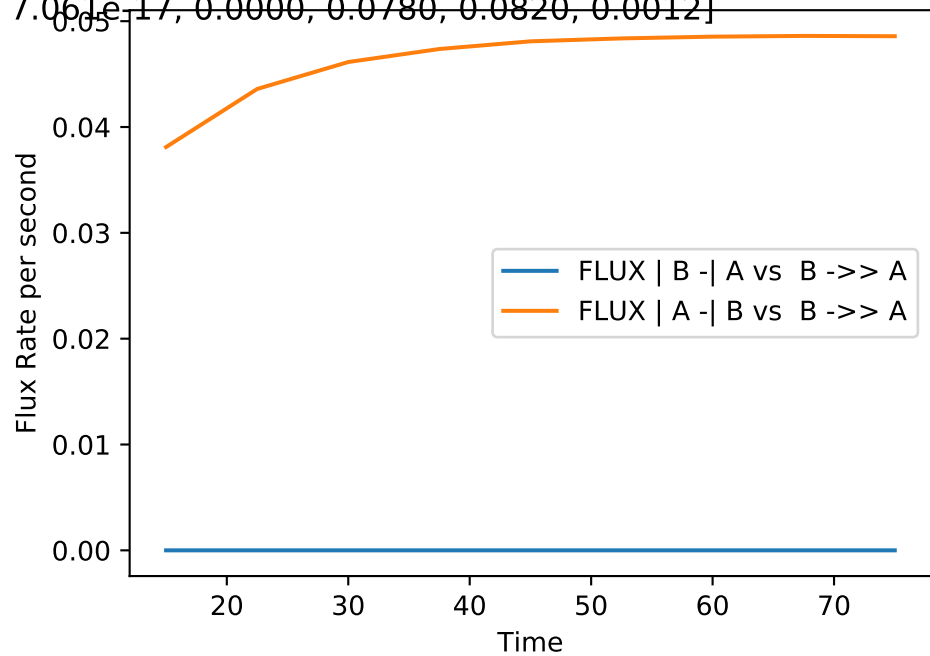
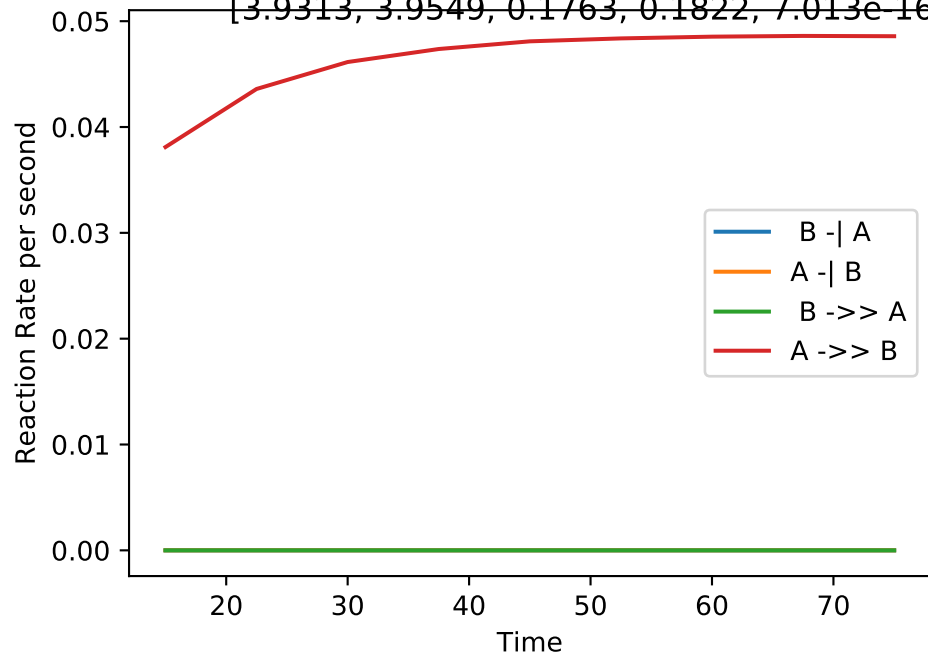
No_up | NLLA No_up(#79):

[3.9952, 4.0074, 0.1823, 0.1873, 1.142e-16, 6.987e-16, 0.0000, 0.0824, 0.0838, 0.0035]



No_up | NLLA No_up(#80):

[3.9313, 3.9549, 0.1763, 0.1822, 7.013e-16, 7.061e-17, 0.0000, 0.0780, 0.0820, 0.0012]



No_up | NLLA No_up(#81):

[3.8999, 3.9867, 0.1773, 0.1912, 2.424e-17, 1.906e-14, 0.0000, 0.0798, 0.0863, 0.0052]

Reaction Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

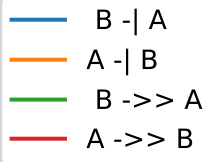
40

50

60

70

Time



Flux Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

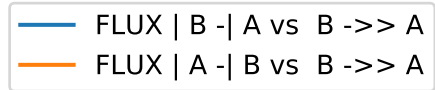
40

50

60

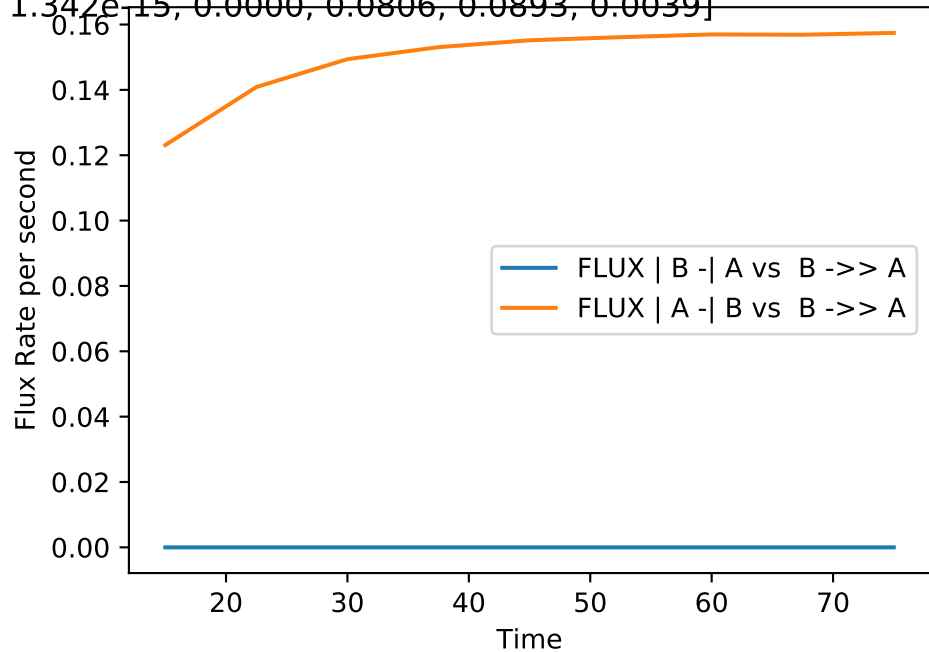
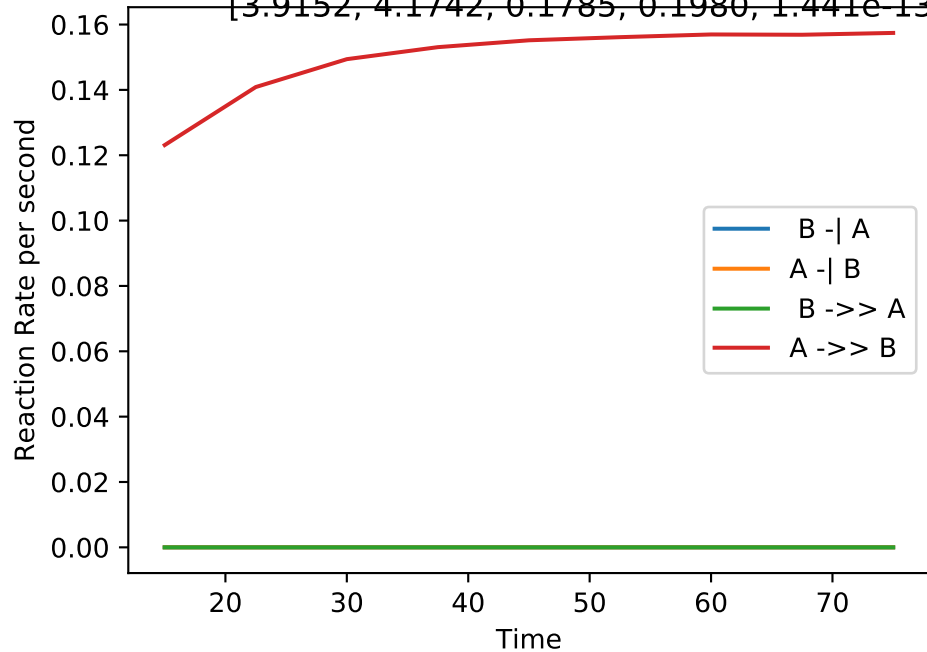
70

Time



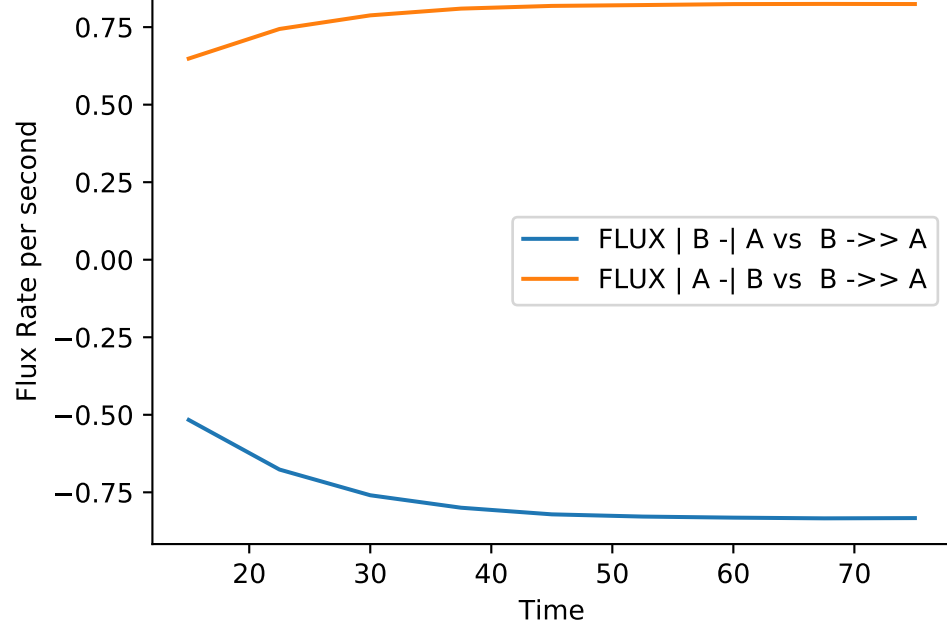
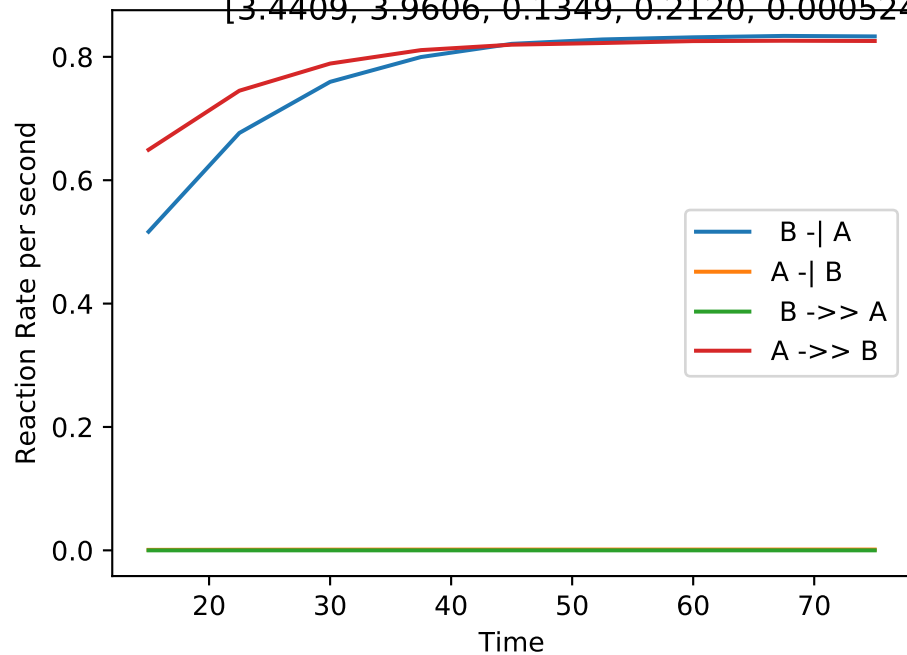
No_up | NLLA No_up(#82):

[3.9152, 4.1742, 0.1785, 0.1980, 1.441e-13, 1.342e-15, 0.0000, 0.0806, 0.0893, 0.0039]



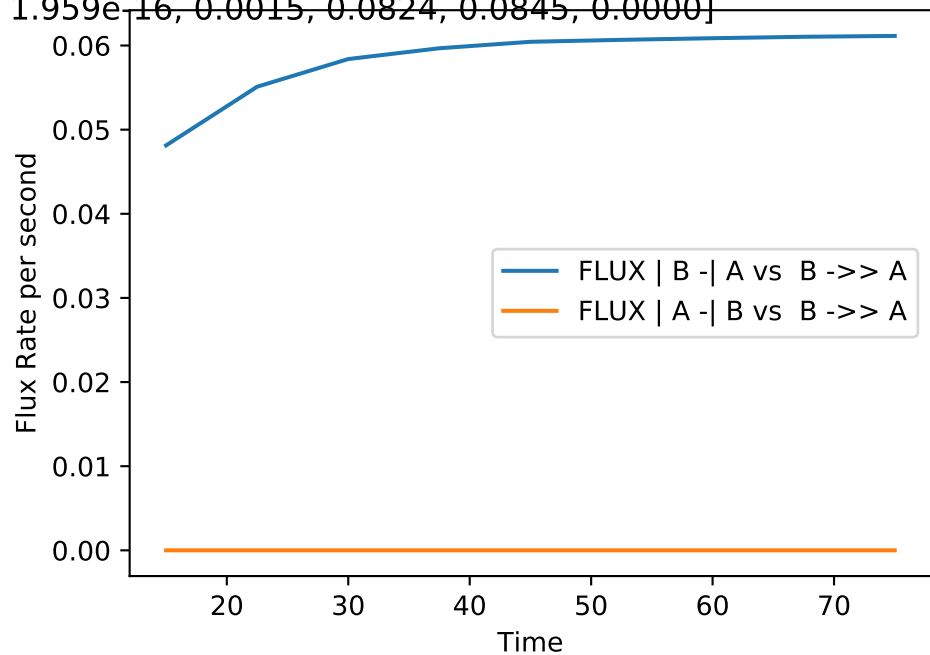
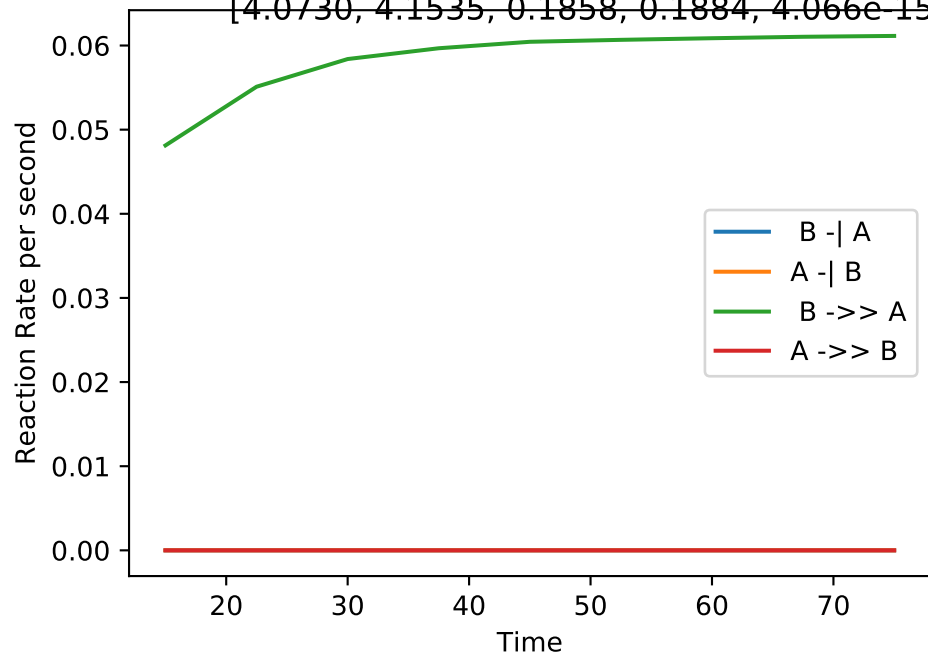
No_up | NLLA No_up(#83):

[3.4409, 3.9606, 0.1349, 0.2120, 0.0005243, 7.866e-07, 0.0000, 0.0695, 0.0922, 0.0207]



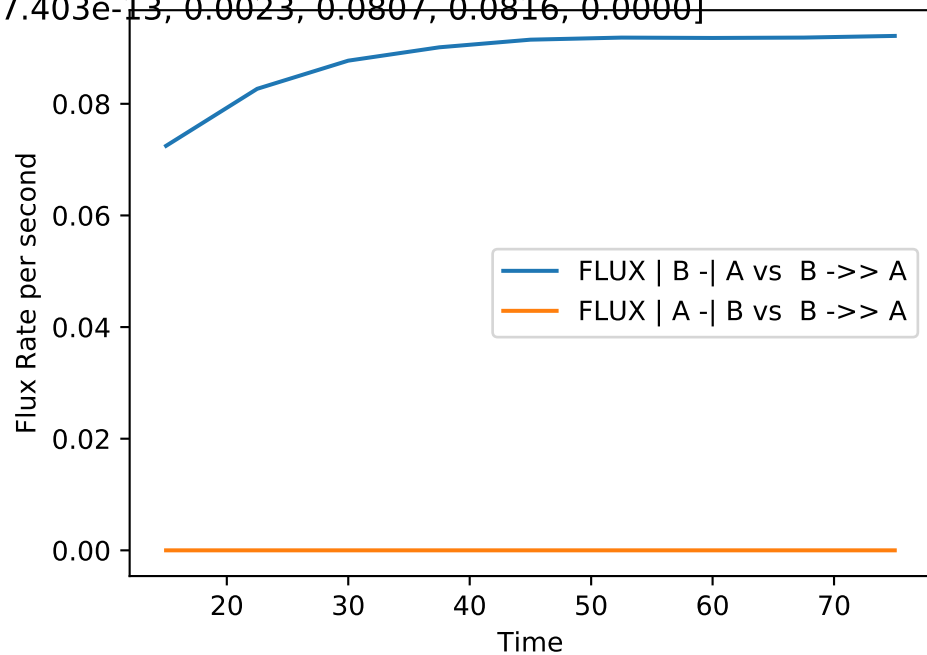
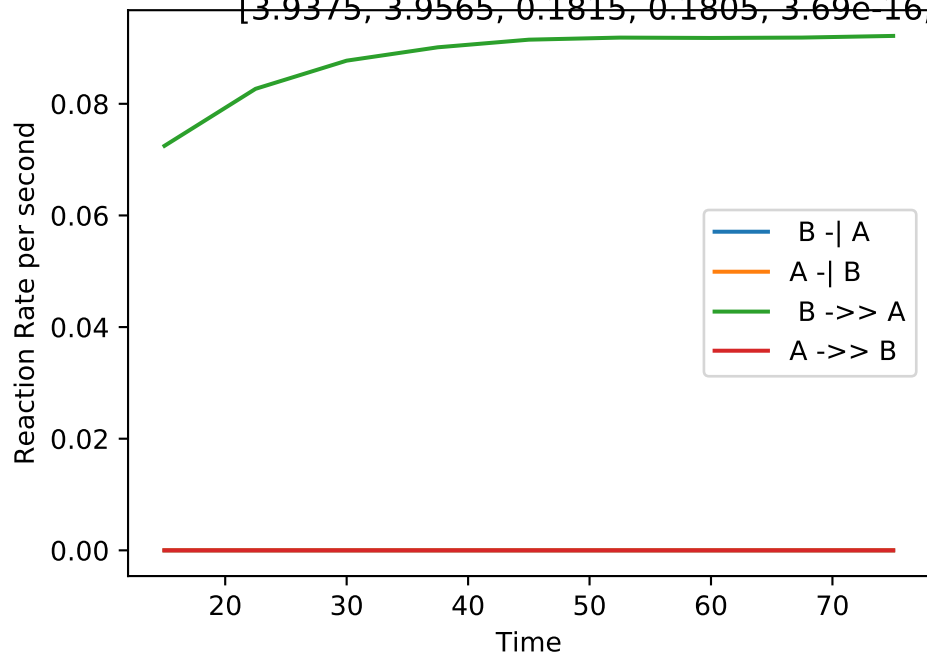
No_up | NLLA No_up(#84):

[4.0730, 4.1535, 0.1858, 0.1884, 4.066e-15, 1.959e-16, 0.0015, 0.0824, 0.0845, 0.0000]



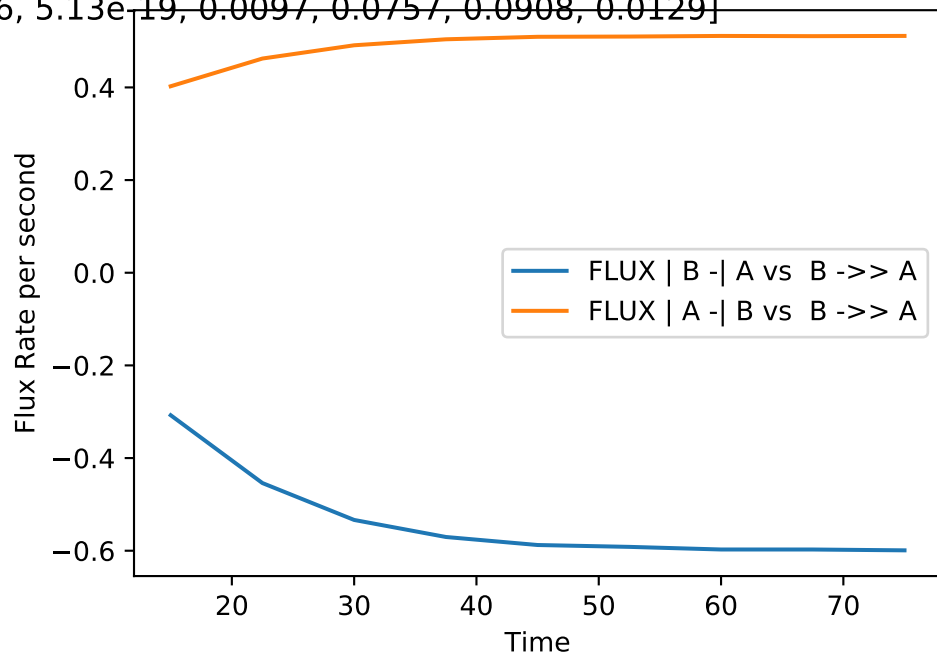
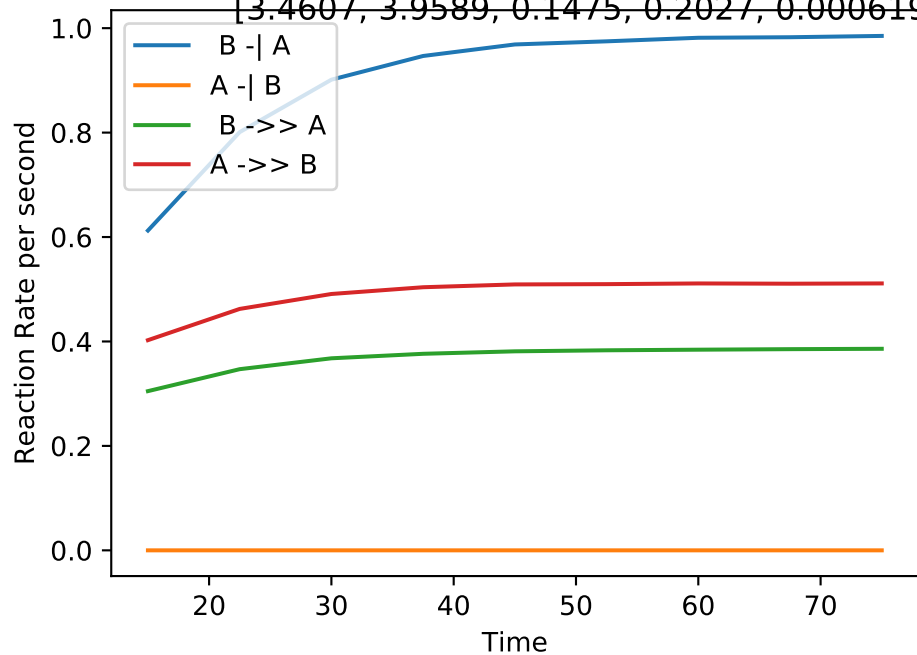
No_up | NLLA No_up(#85):

[3.9375, 3.9565, 0.1815, 0.1805, 3.69e-16, 7.403e-13, 0.0023, 0.0807, 0.0816, 0.0000]



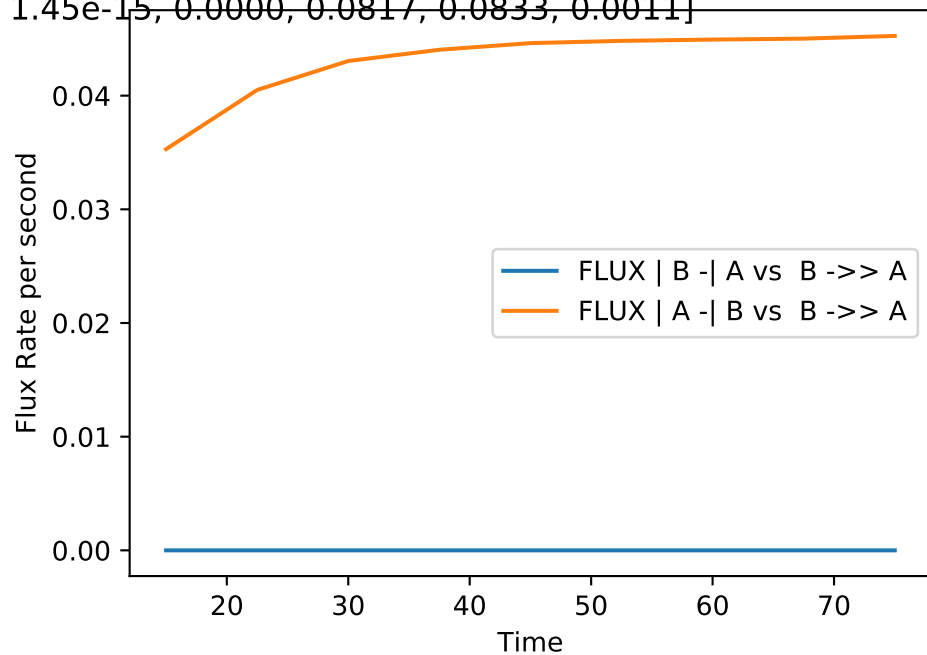
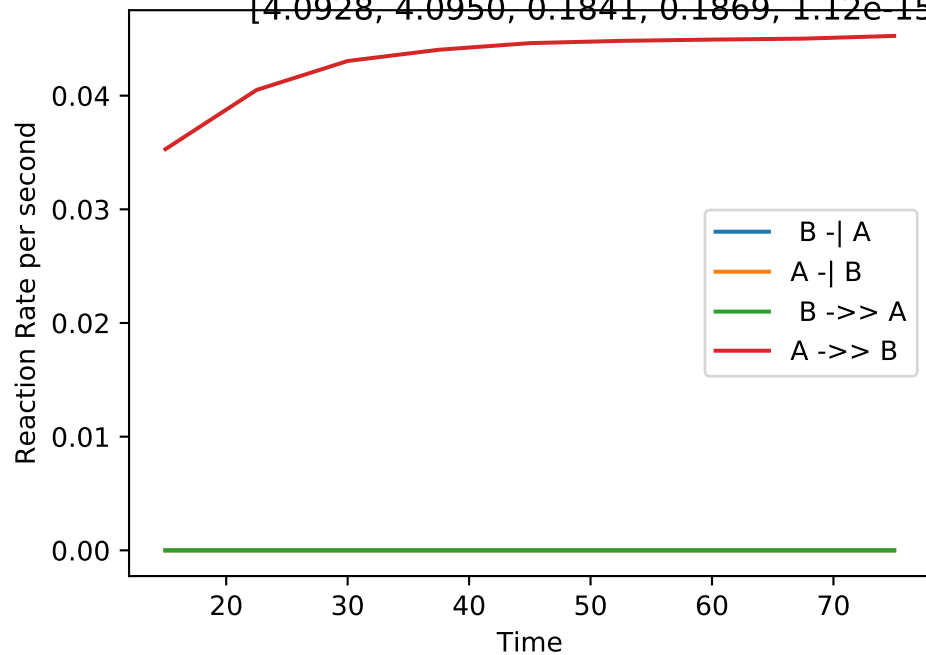
No_up | NLLA No_up(#86):

[3.4607, 3.9589, 0.1475, 0.2027, 0.0006196, 5.13e-19, 0.0097, 0.0757, 0.0908, 0.0129]



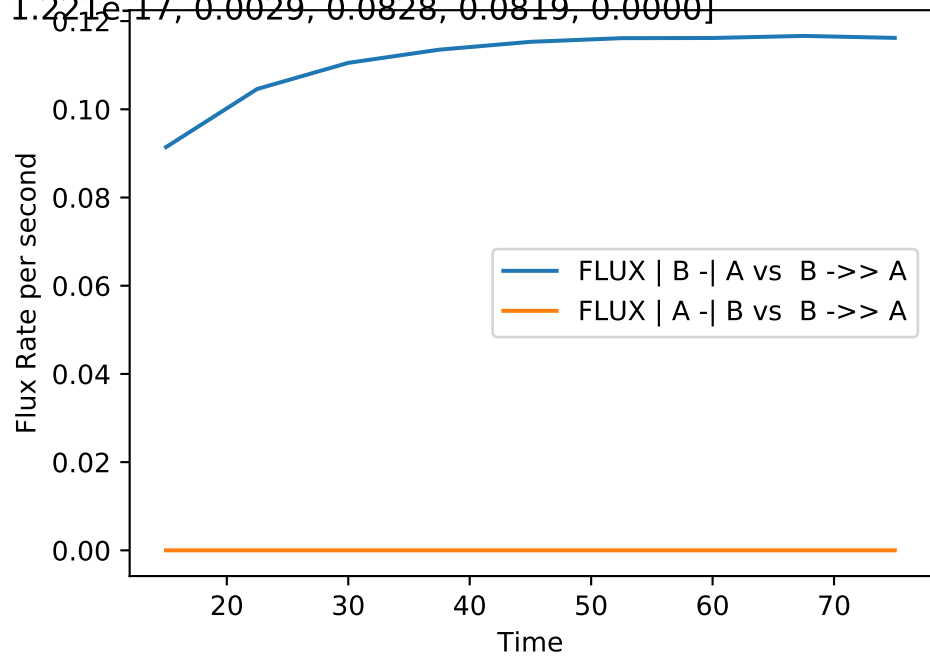
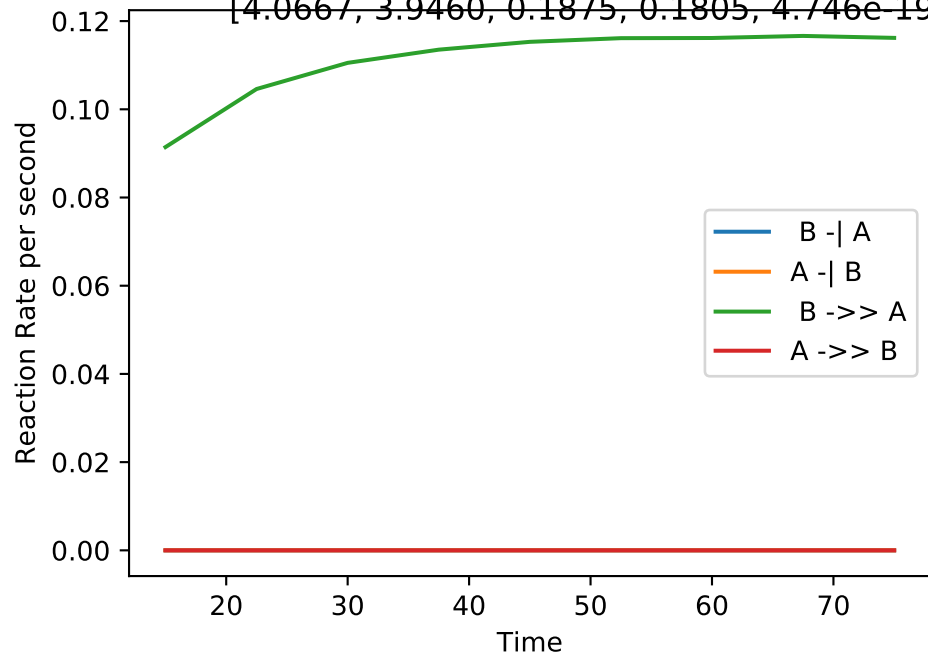
No_up | NLLA No_up(#87):

[4.0928, 4.0950, 0.1841, 0.1869, 1.12e-15, 1.45e-15, 0.0000, 0.0817, 0.0833, 0.0011]



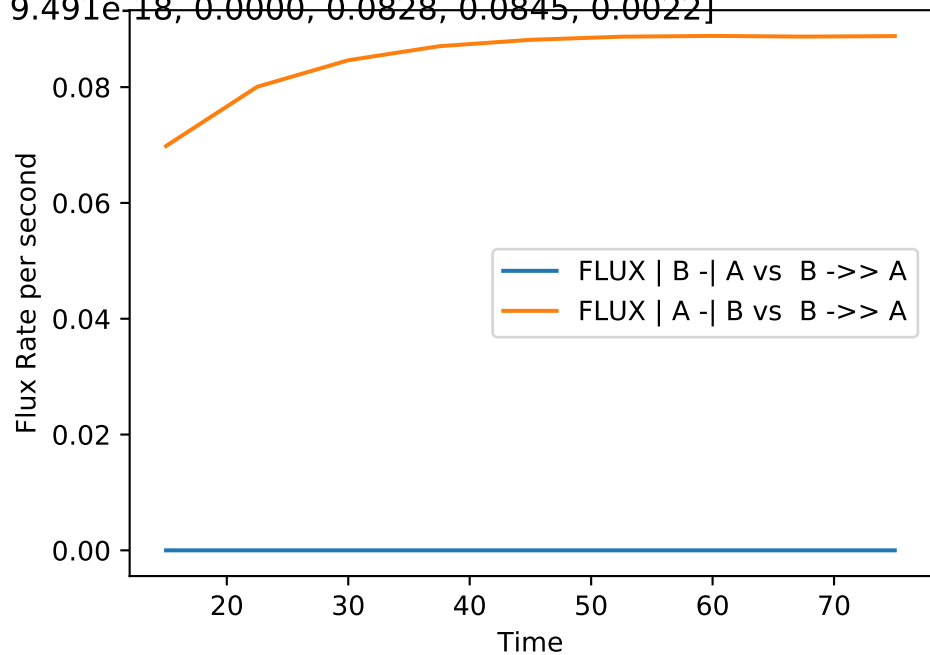
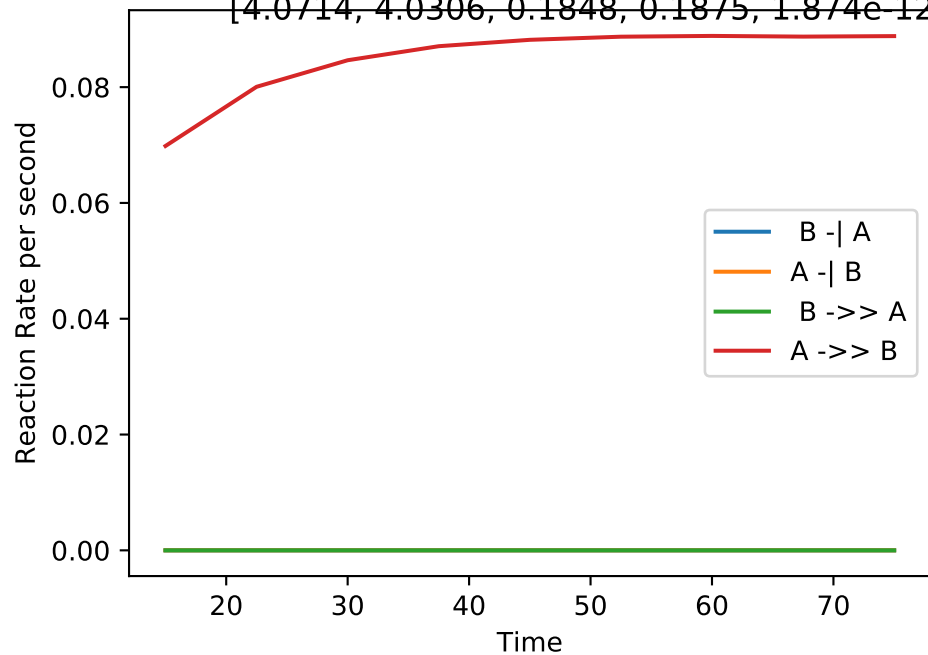
No_up | NLLA No_up(#88):

[4.0667, 3.9460, 0.1875, 0.1805, 4.746e-19, 1.221e-17, 0.0029, 0.0828, 0.0819, 0.0000]



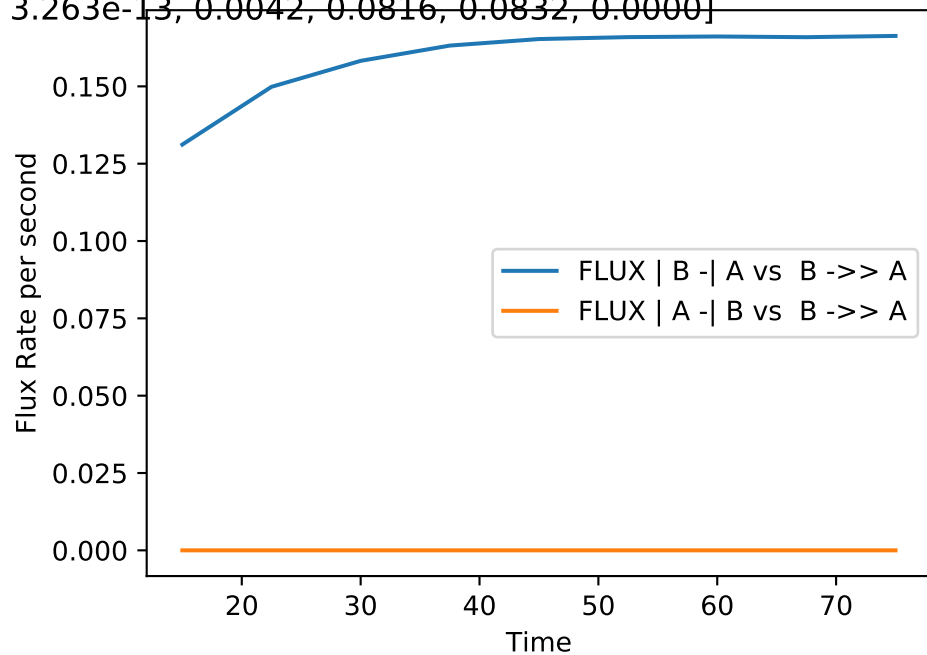
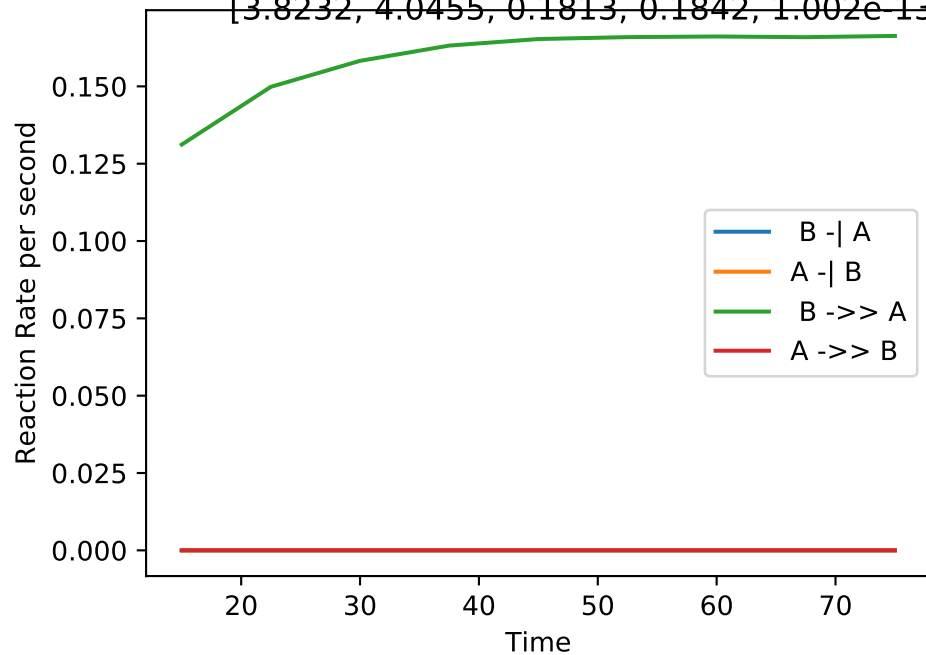
No_up | NLLA No_up(#89):

[4.0714, 4.0306, 0.1848, 0.1875, 1.874e-12, 9.491e-18, 0.0000, 0.0828, 0.0845, 0.0022]



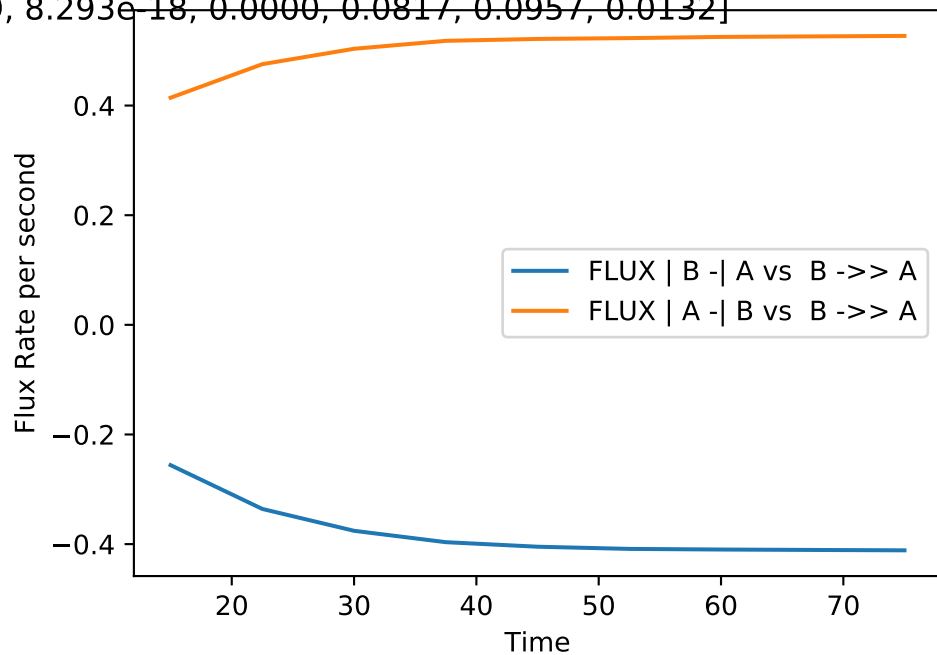
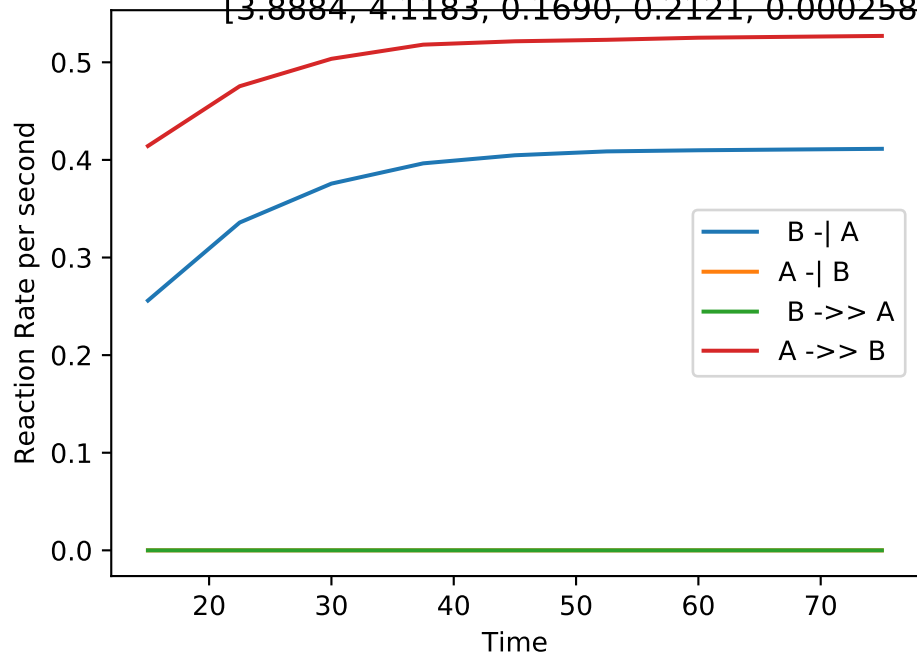
No_up | NLLA No_up(#90):

[3.8232, 4.0455, 0.1813, 0.1842, 1.002e-13, 3.263e-13, 0.0042, 0.0816, 0.0832, 0.0000]



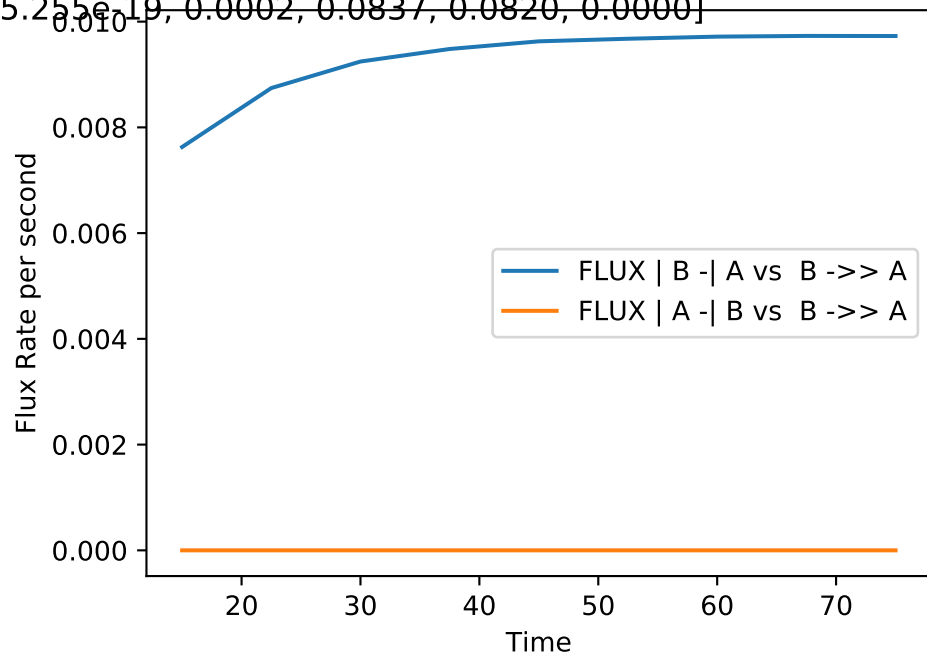
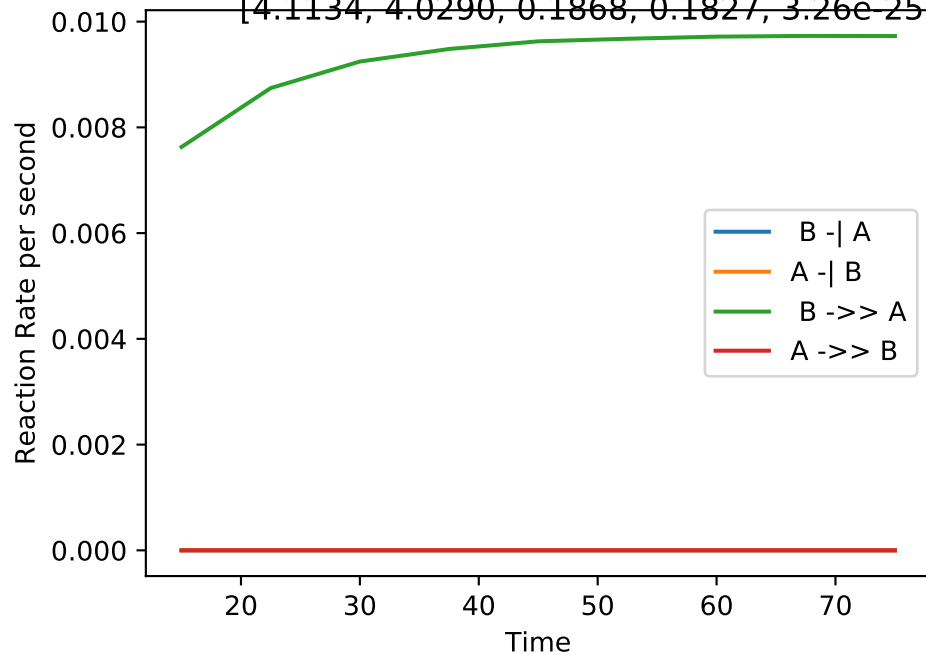
No_up | NLLA No_up(#91):

[3.8884, 4.1183, 0.1690, 0.2121, 0.0002589, 8.293e-18, 0.0000, 0.0817, 0.0957, 0.0132]



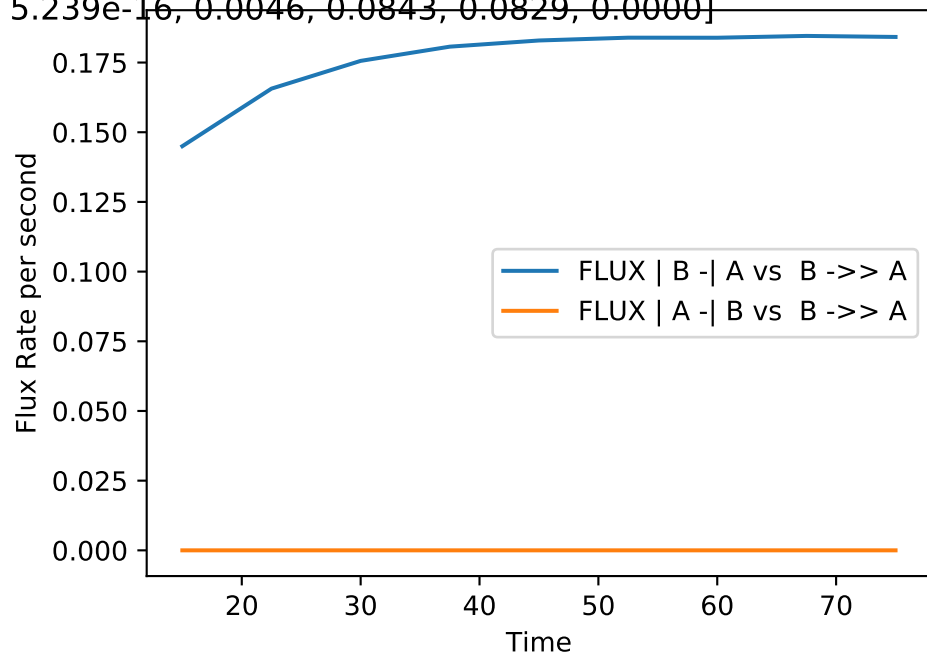
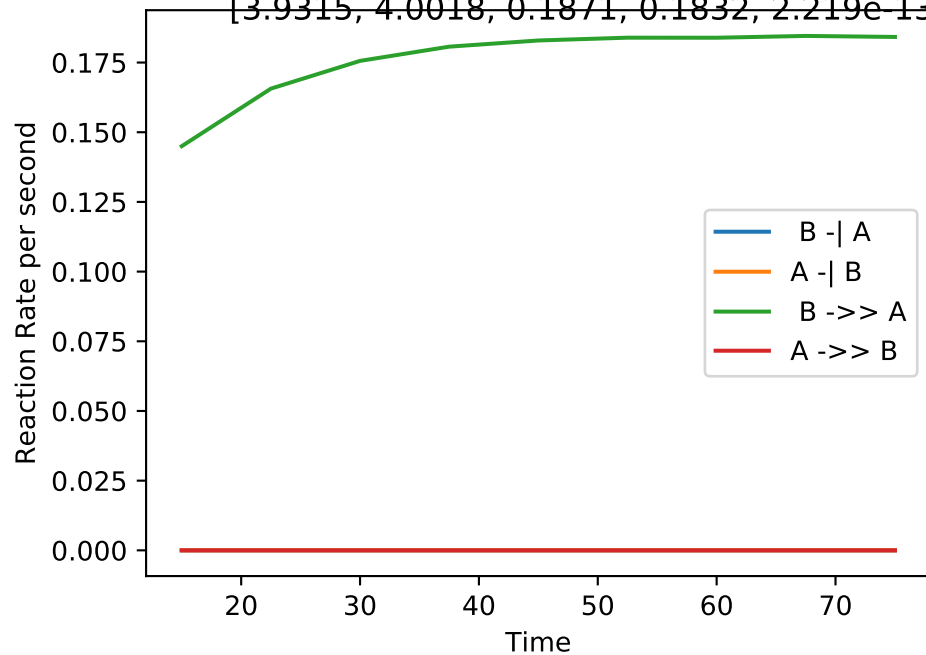
No_up | NLLA No_up(#92):

[4.1134, 4.0290, 0.1868, 0.1827, 3.26e-25, 5.255e-19, 0.0002, 0.0837, 0.0820, 0.0000]



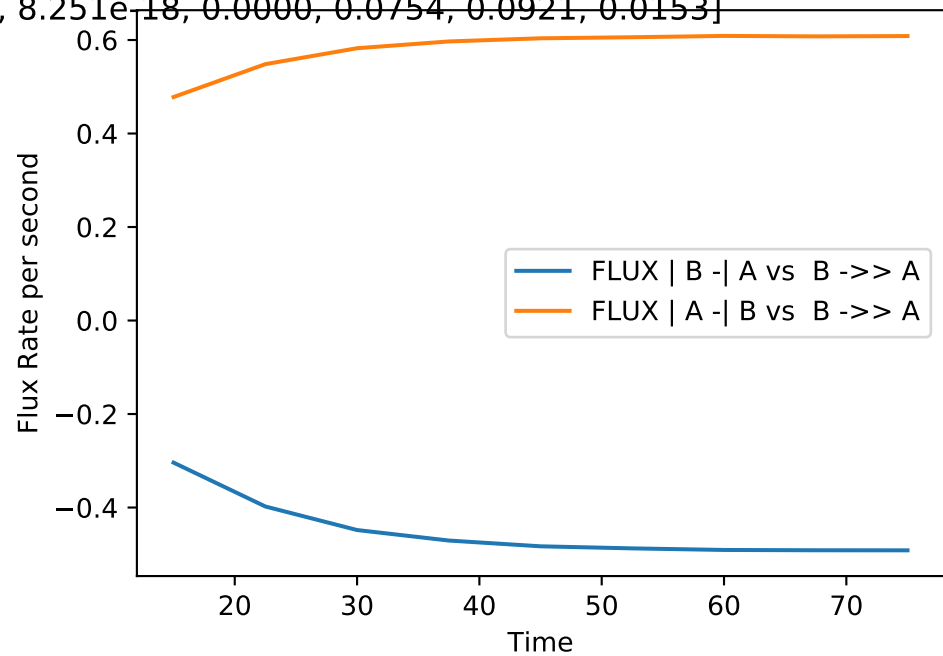
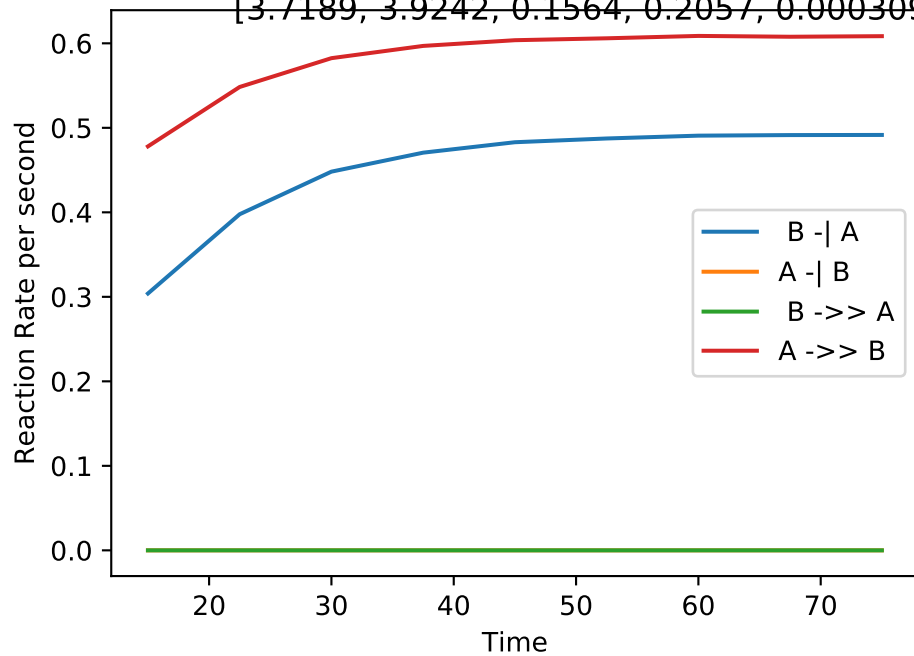
No_up | NLLA No_up(#93):

[3.9315, 4.0018, 0.1871, 0.1832, 2.219e-13, 5.239e-16, 0.0046, 0.0843, 0.0829, 0.0000]



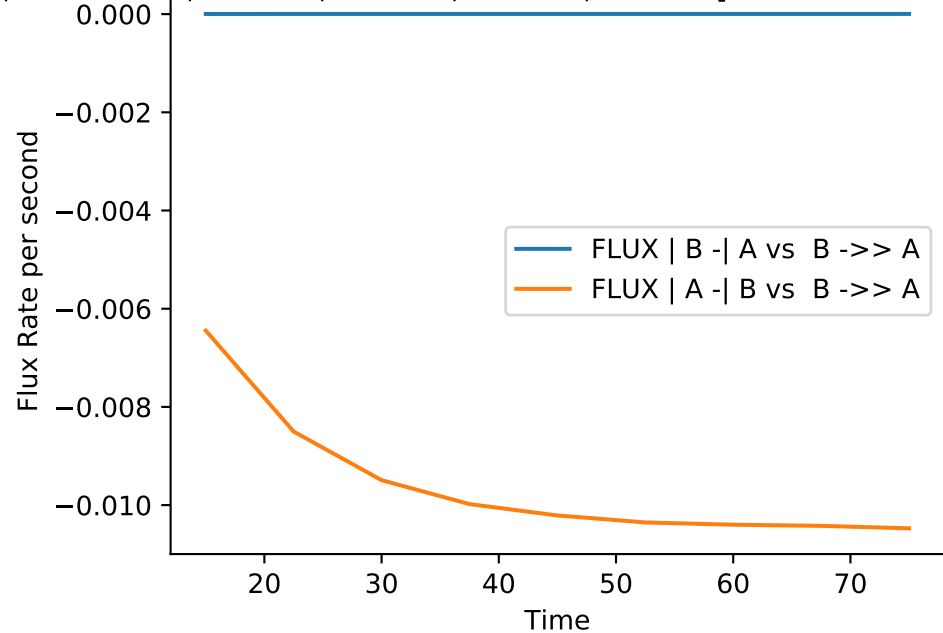
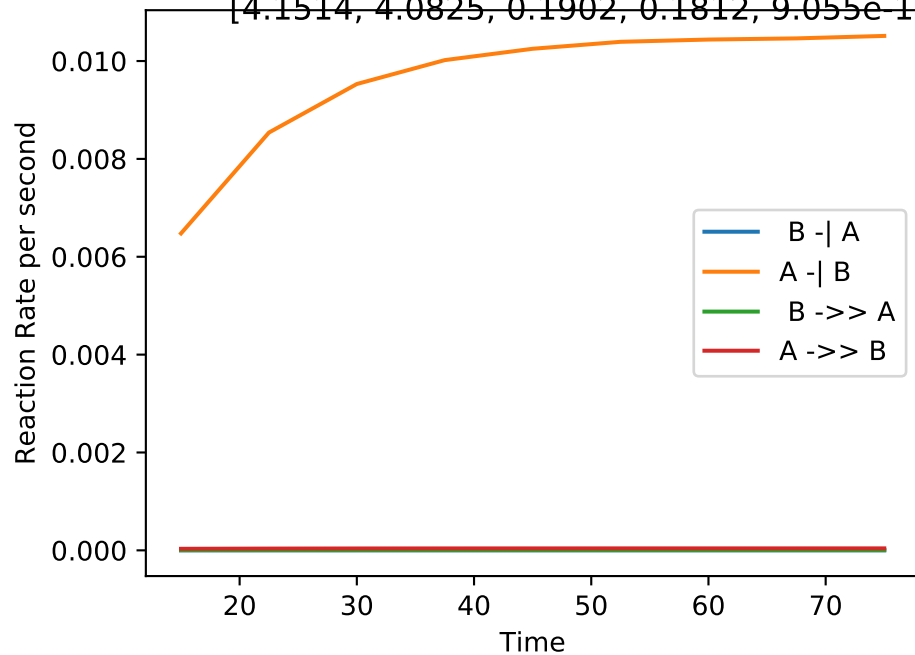
No_up | NLLA No_up(#94):

[3.7189, 3.9242, 0.1564, 0.2057, 0.000309, 8.251e-18, 0.0000, 0.0754, 0.0921, 0.0153]



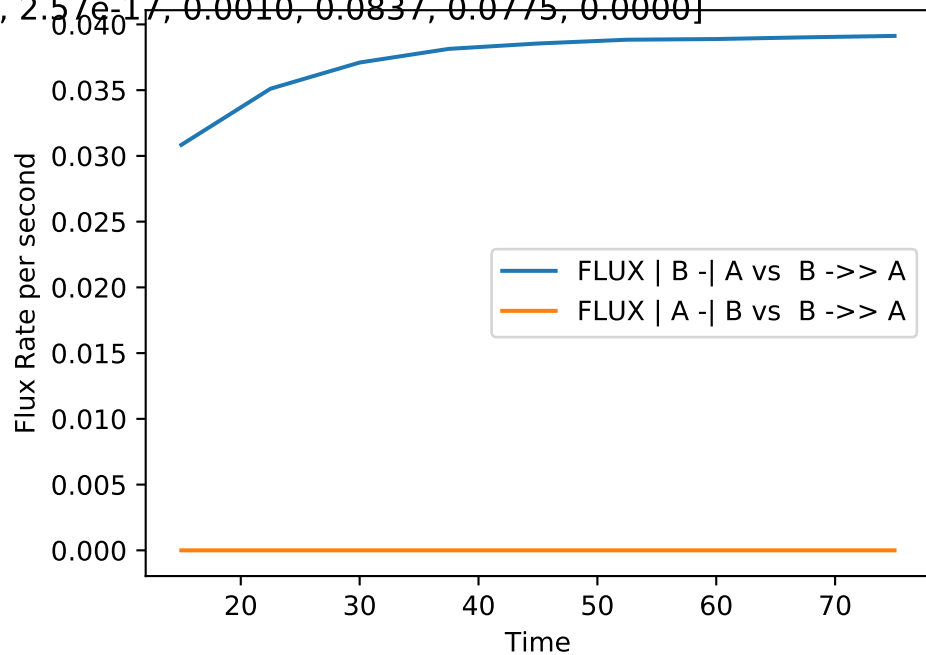
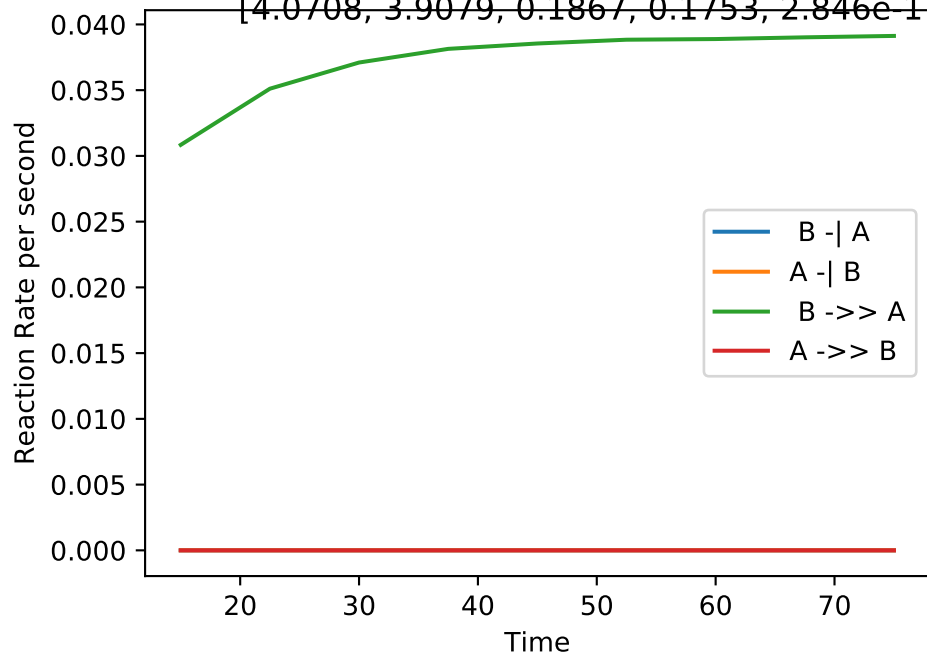
No_up | NLLA No_up(#95):

[4.1514, 4.0825, 0.1902, 0.1812, 9.055e-11, 6.577e-06, 0.0000, 0.0862, 0.0792, 0.0000]



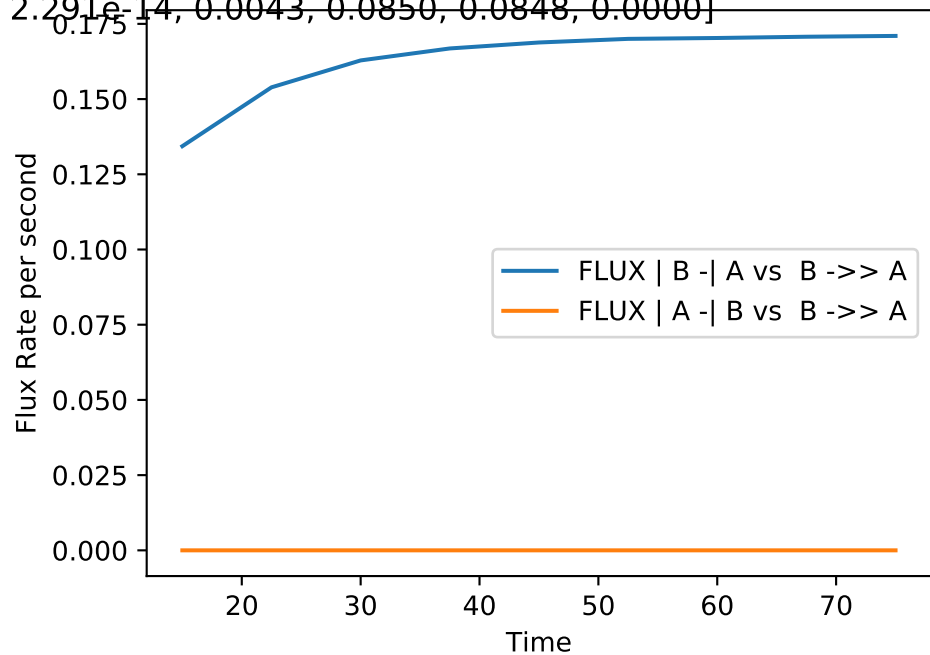
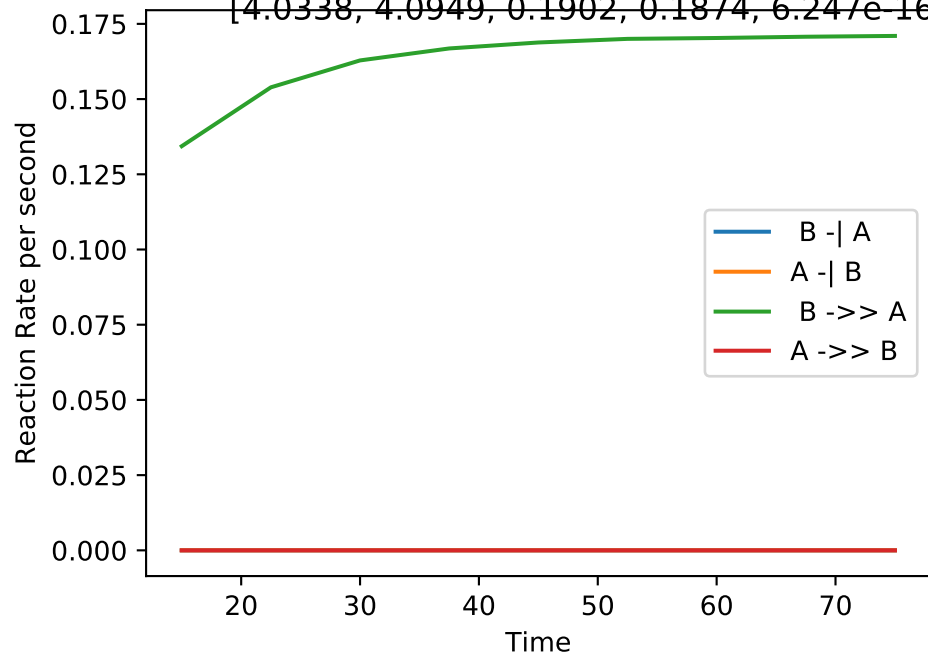
No_up | NLLA No_up(#96):

[4.0708, 3.9079, 0.1867, 0.1753, 2.846e-17, 2.57e-17, 0.0010, 0.0837, 0.0775, 0.0000]



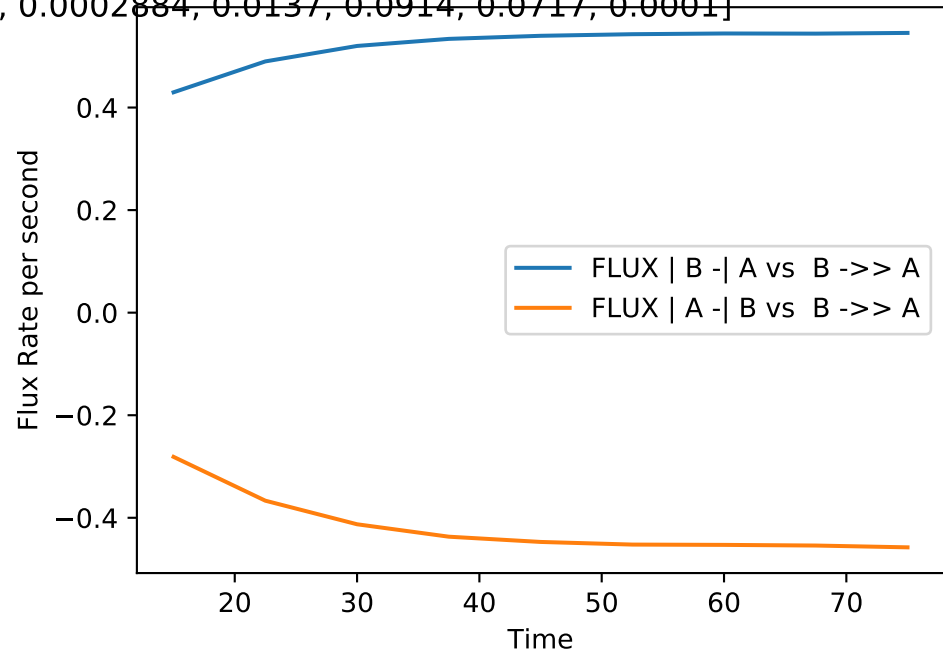
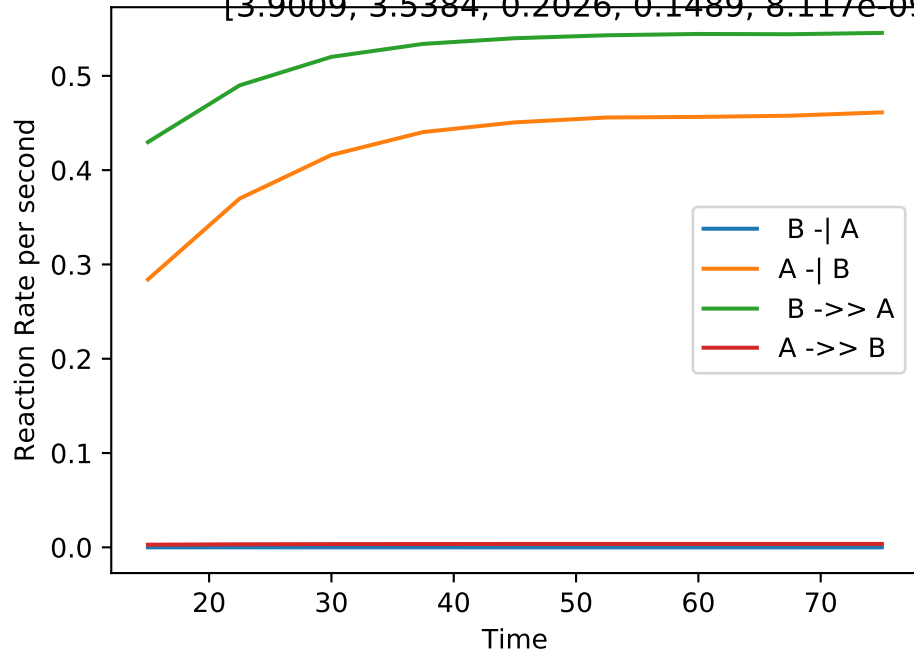
No_up | NLLA No_up(#97):

[4.0338, 4.0949, 0.1902, 0.1874, 6.247e-16, 2.291e-14, 0.0043, 0.0850, 0.0848, 0.0000]



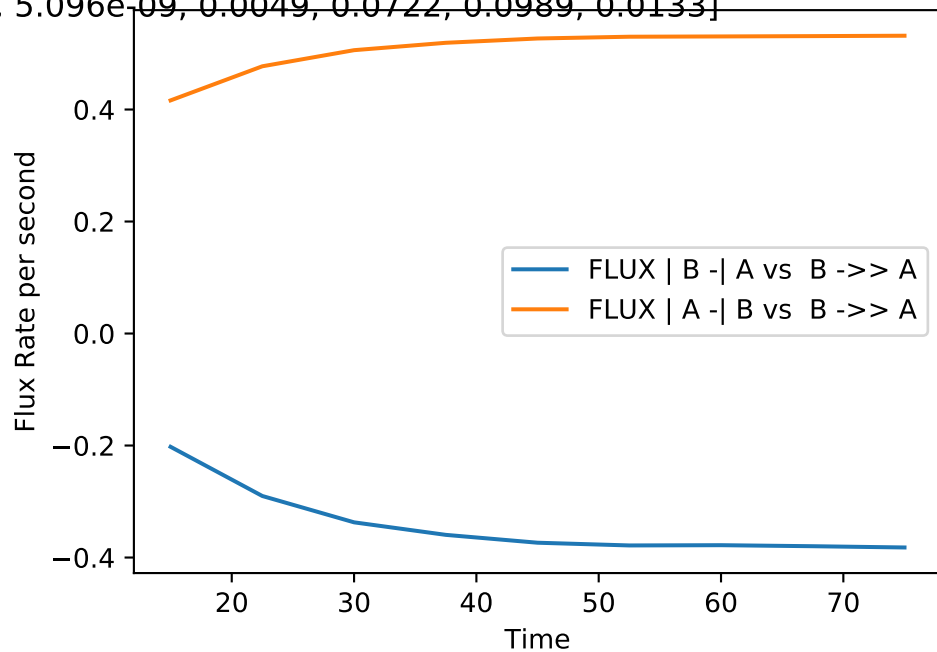
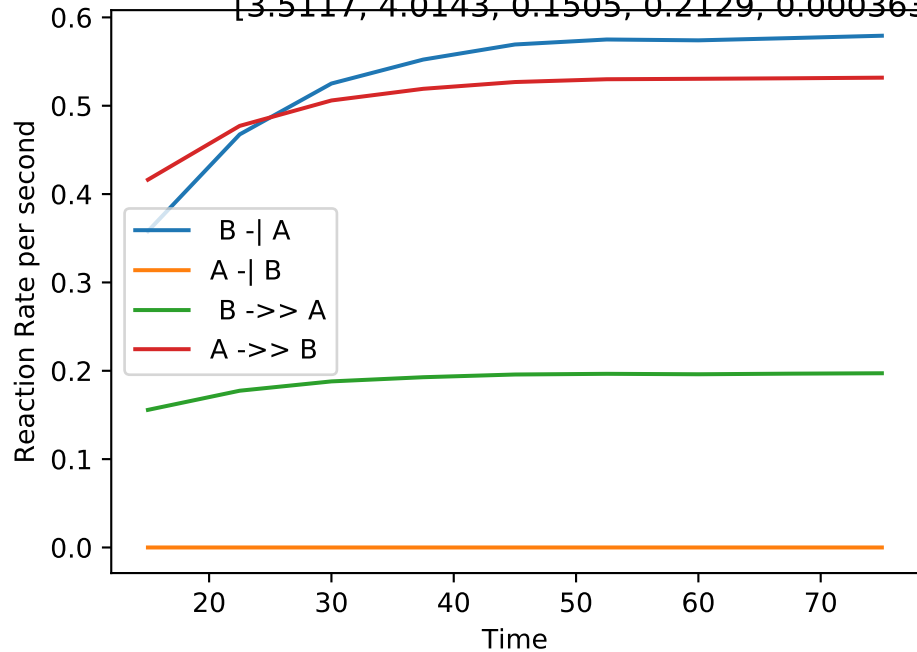
No_up | NLLA No_up(#98):

[3.9009, 3.5384, 0.2026, 0.1489, 8.117e-09, 0.0002884, 0.0137, 0.0914, 0.0717, 0.0001]



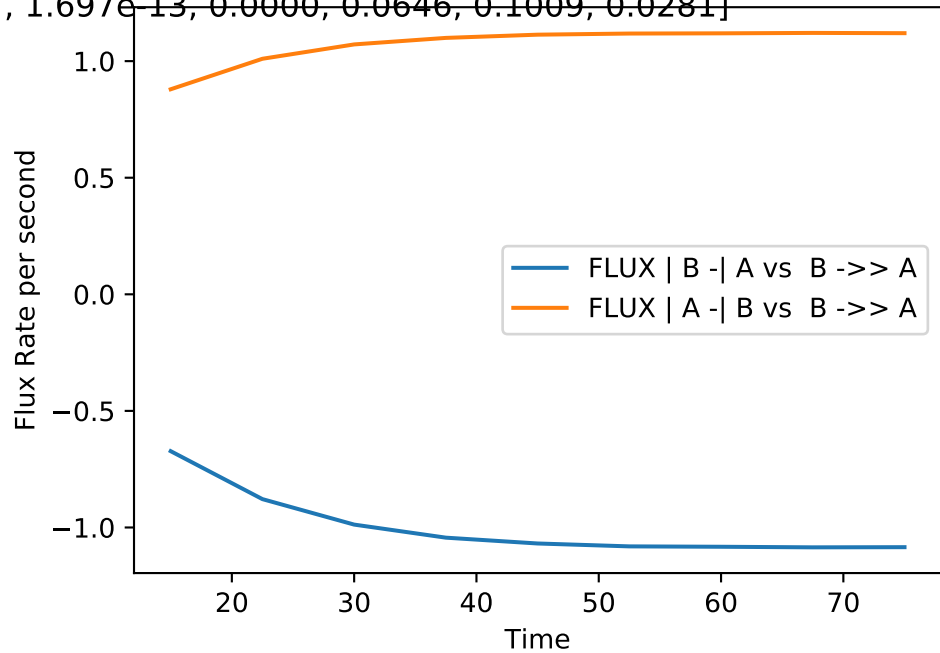
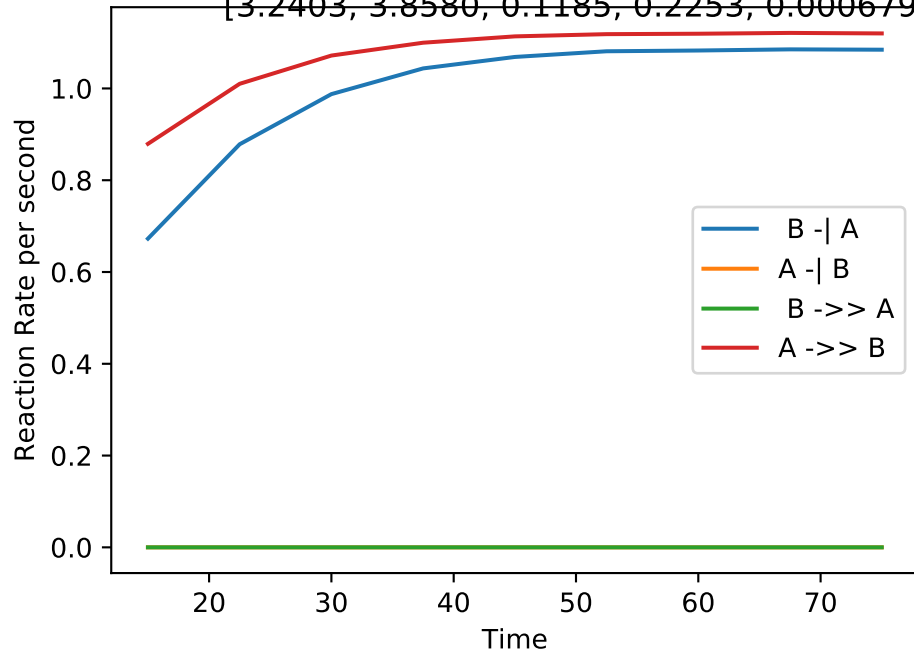
No_up | NLLA No_up(#99):

[3.5117, 4.0143, 0.1505, 0.2129, 0.000363, 5.096e-09, 0.0049, 0.0722, 0.0989, 0.0133]



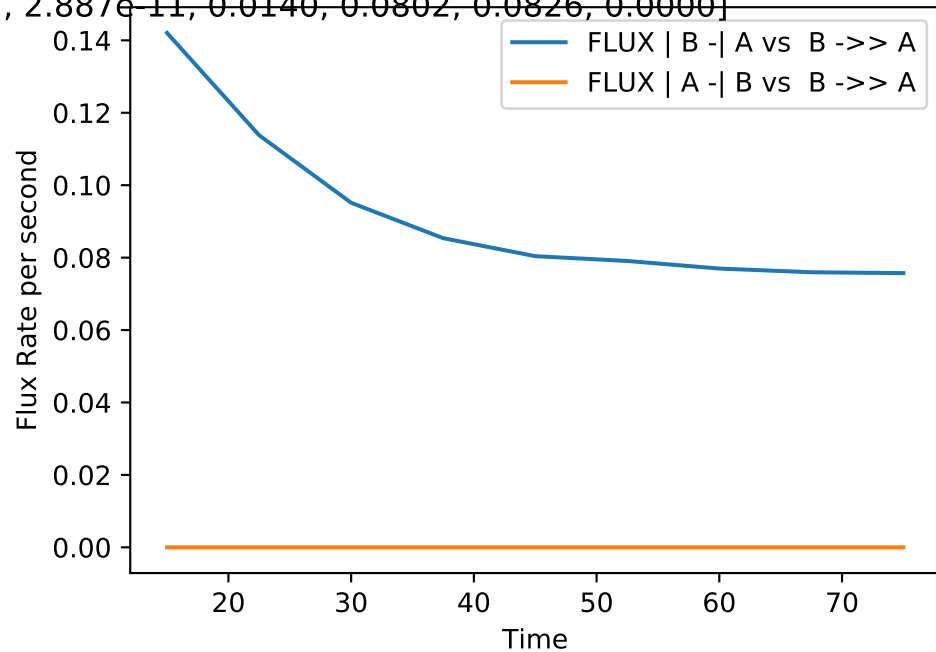
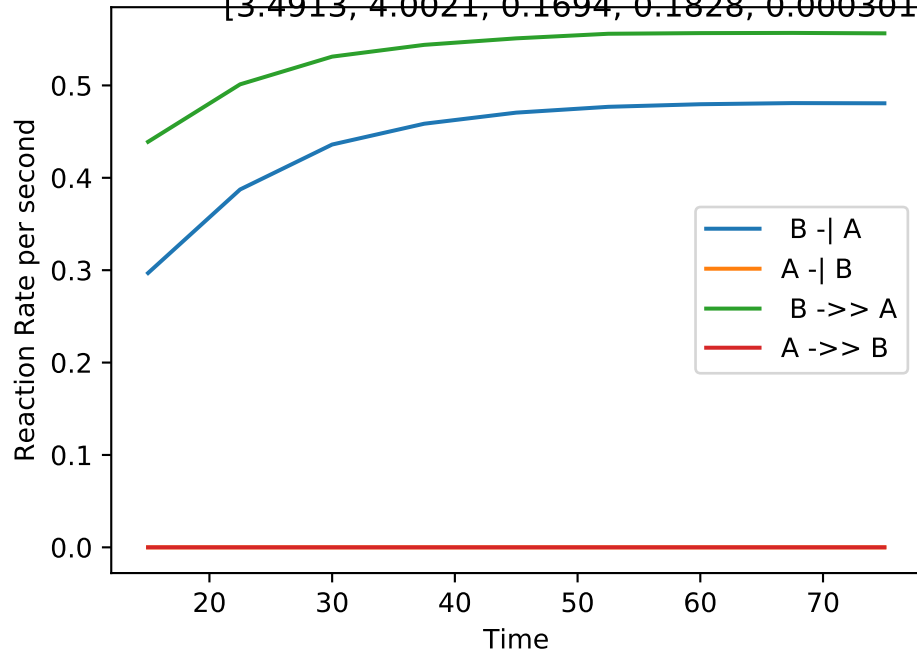
No_up | NLLA No_up(#100):

[3.2403, 3.8580, 0.1185, 0.2253, 0.0006797, 1.697e-13, 0.0000, 0.0646, 0.1009, 0.0281]



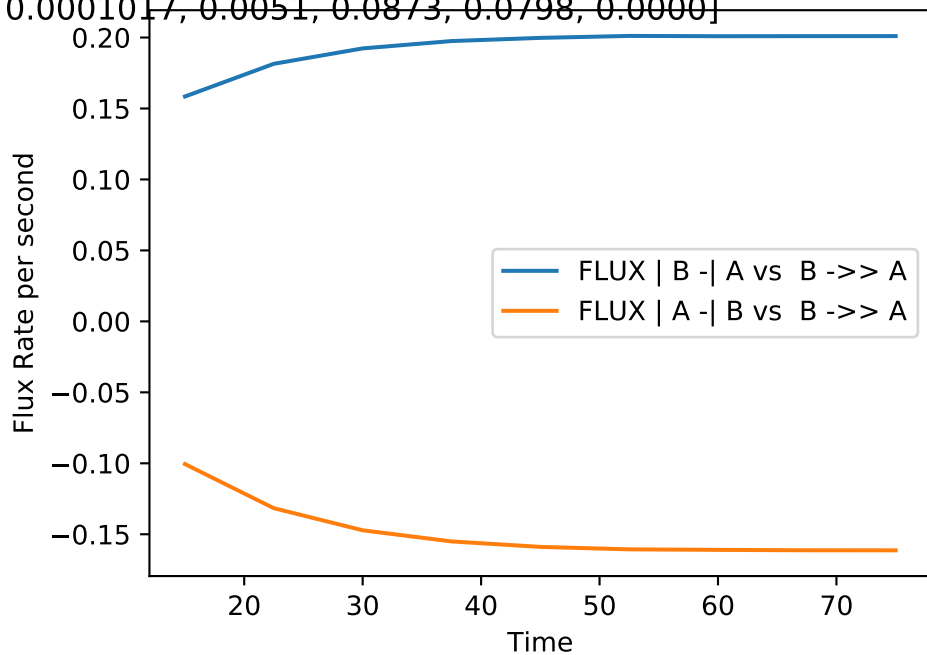
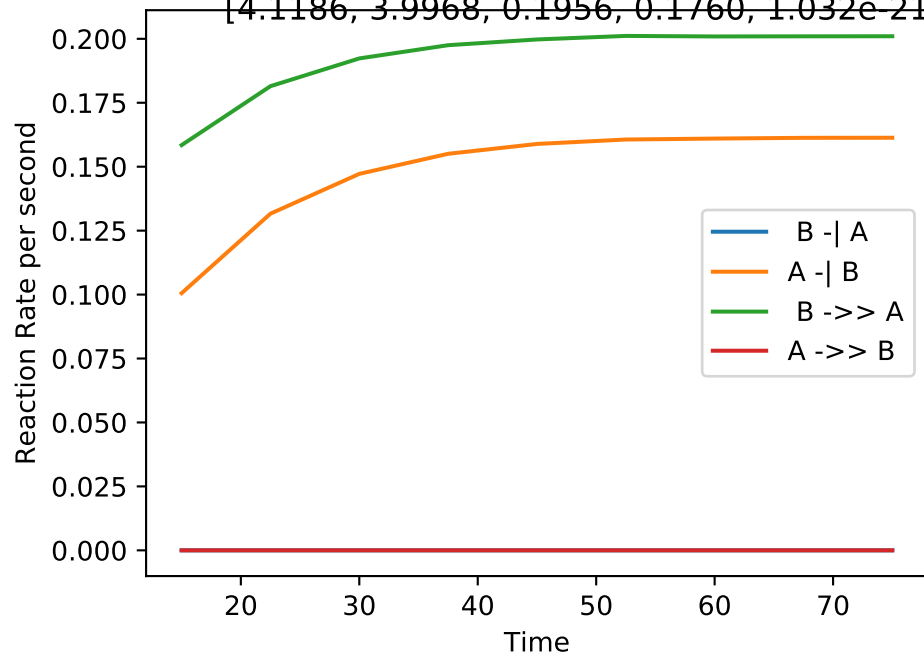
No_up | NLLA No_up(#101):

[3.4913, 4.0021, 0.1694, 0.1828, 0.0003012, 2.887e-11, 0.0140, 0.0802, 0.0826, 0.0000]



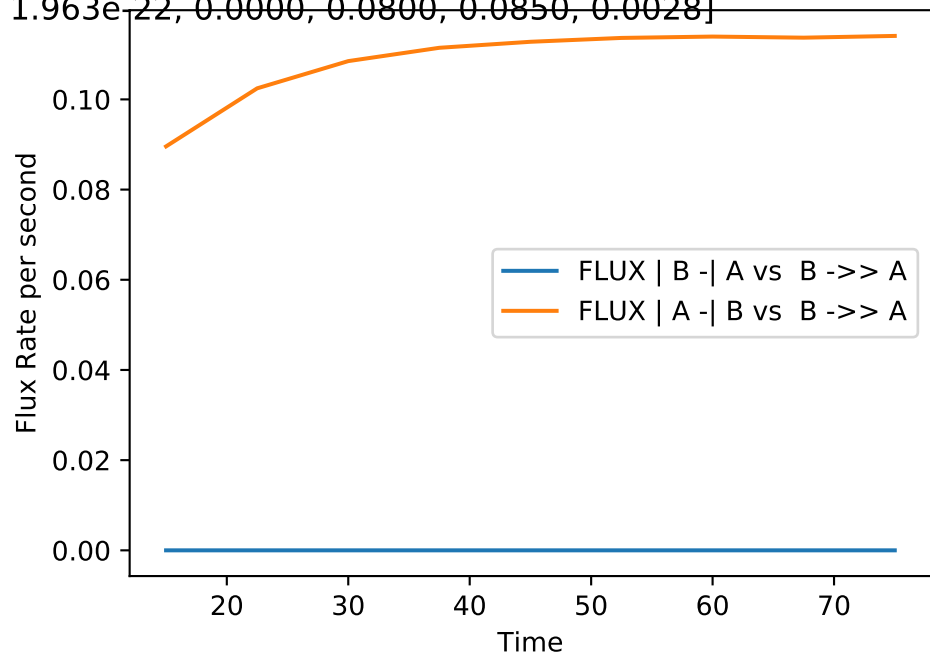
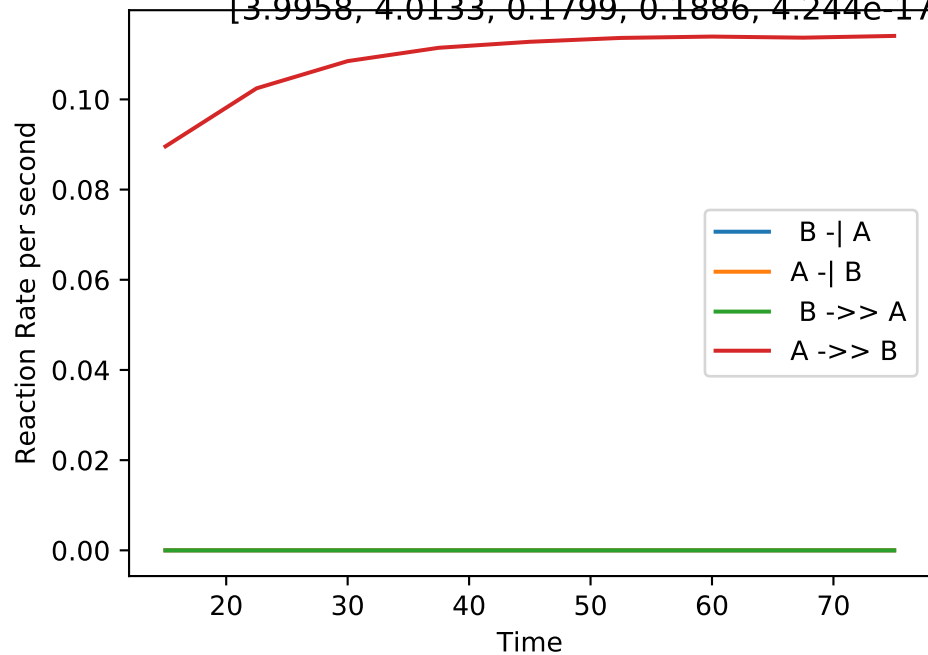
No_up | NLLA No_up(#102):

[4.1186, 3.9968, 0.1956, 0.1760, 1.032e-21, 0.0001017, 0.0051, 0.0873, 0.0798, 0.0000]



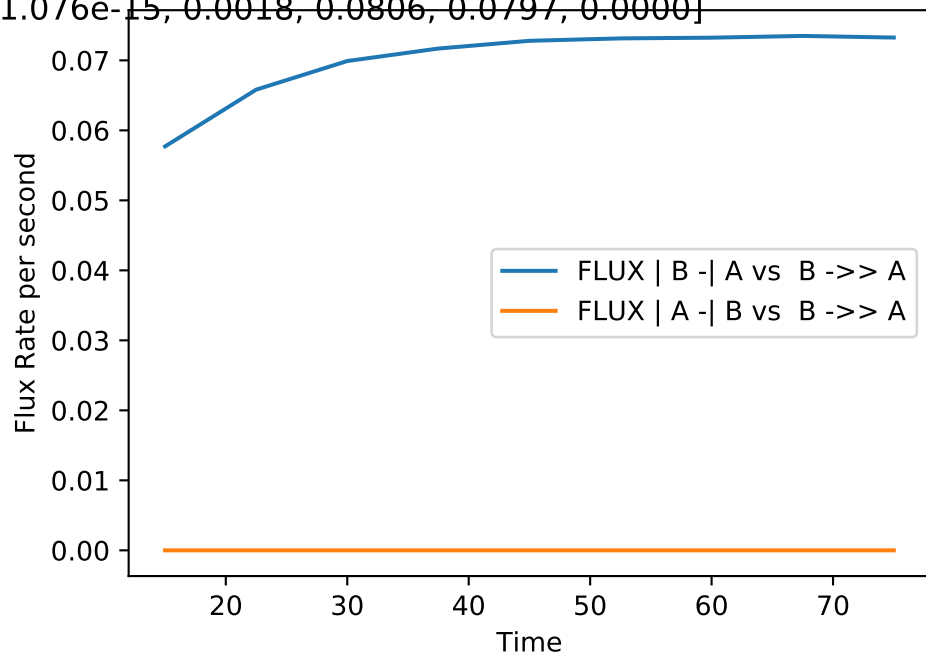
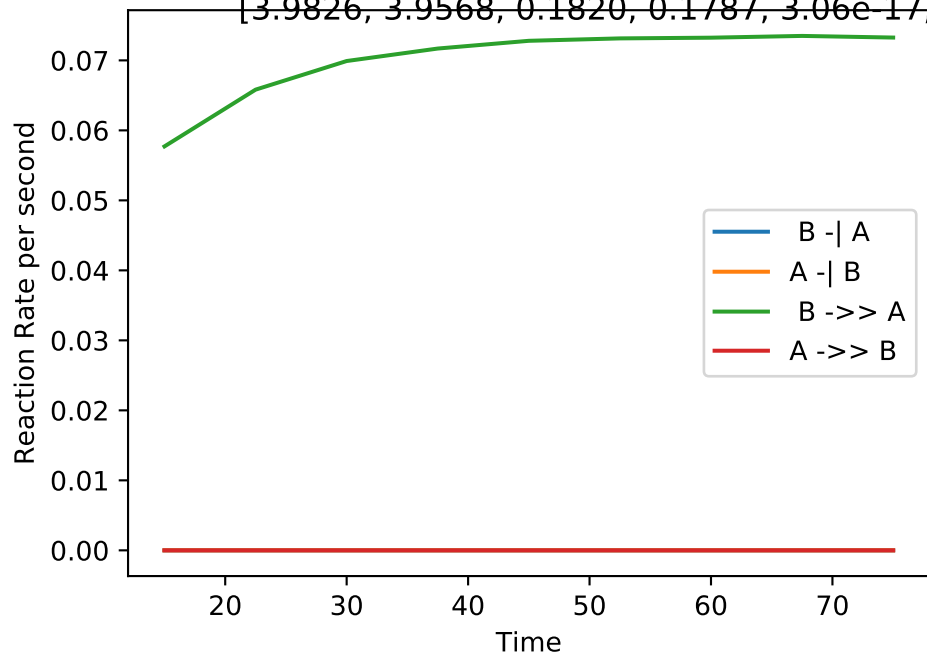
No_up | NLLA No_up(#103):

[3.9958, 4.0133, 0.1799, 0.1886, 4.244e-17, 1.963e-22, 0.0000, 0.0800, 0.0850, 0.0028]



No_up | NLLA No_up(#104):

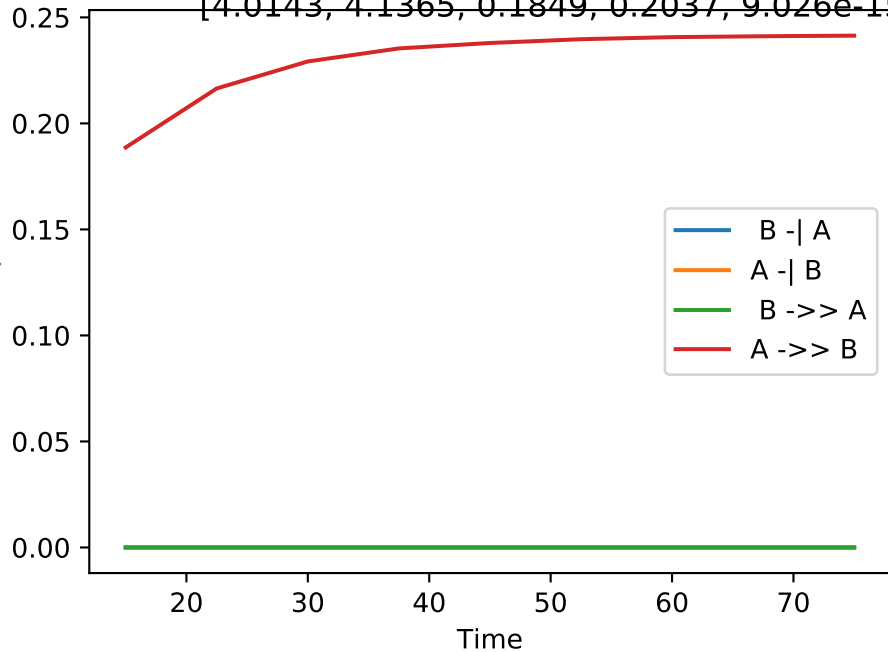
[3.9826, 3.9568, 0.1820, 0.1787, 3.06e-17, 1.076e-15, 0.0018, 0.0806, 0.0797, 0.0000]



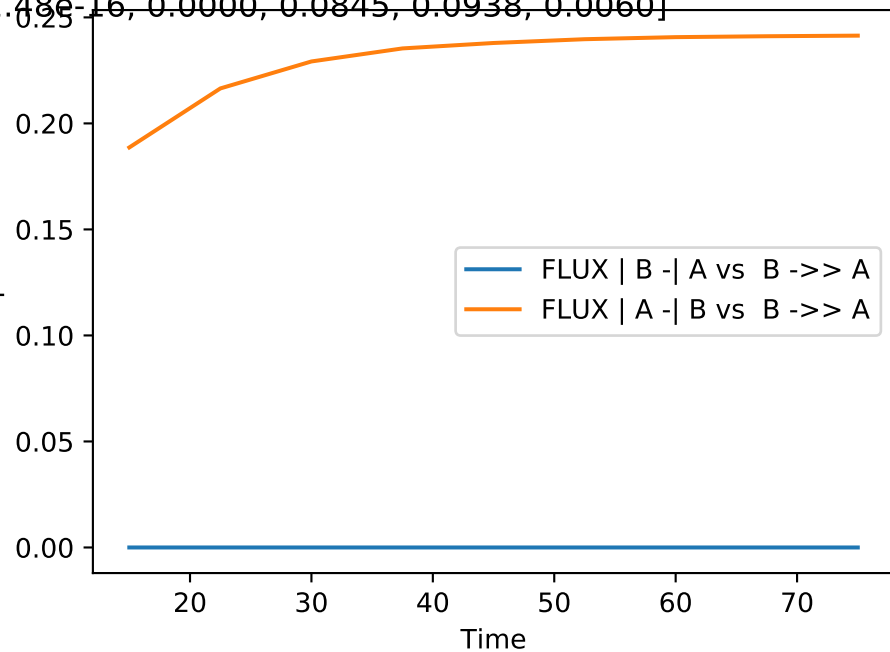
No_up | NLLA No_up(#105):

[4.0143, 4.1365, 0.1849, 0.2037, 9.026e-15, 1.48e-16, 0.0000, 0.0845, 0.0938, 0.0060]

Reaction Rate per second

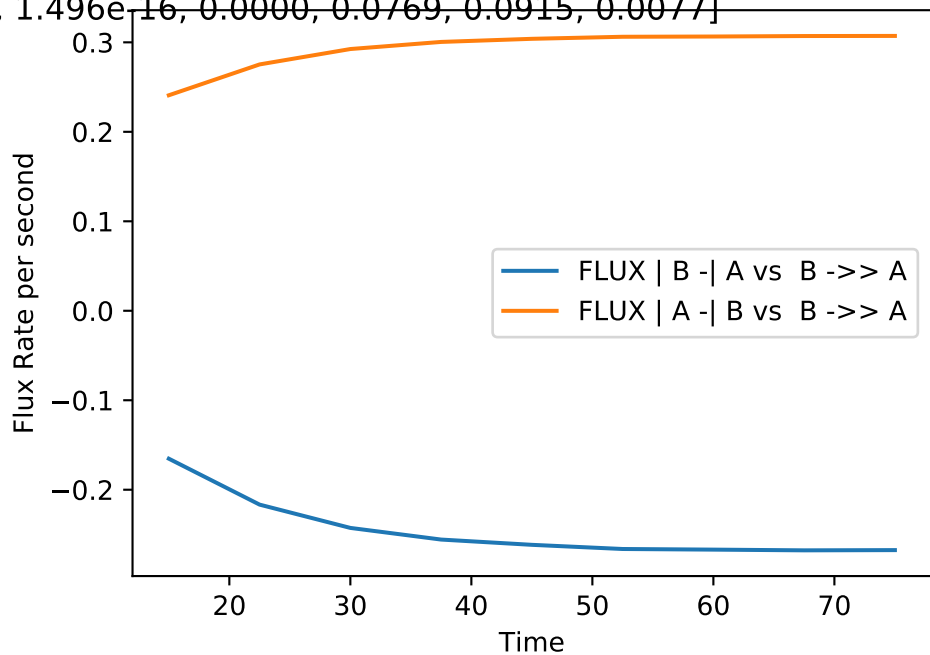
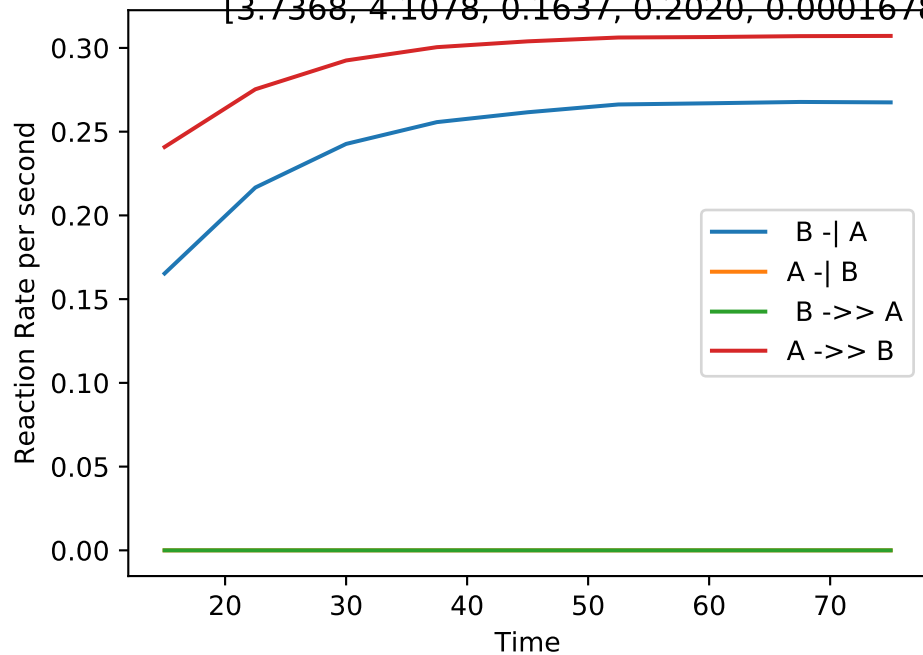


Flux Rate per second



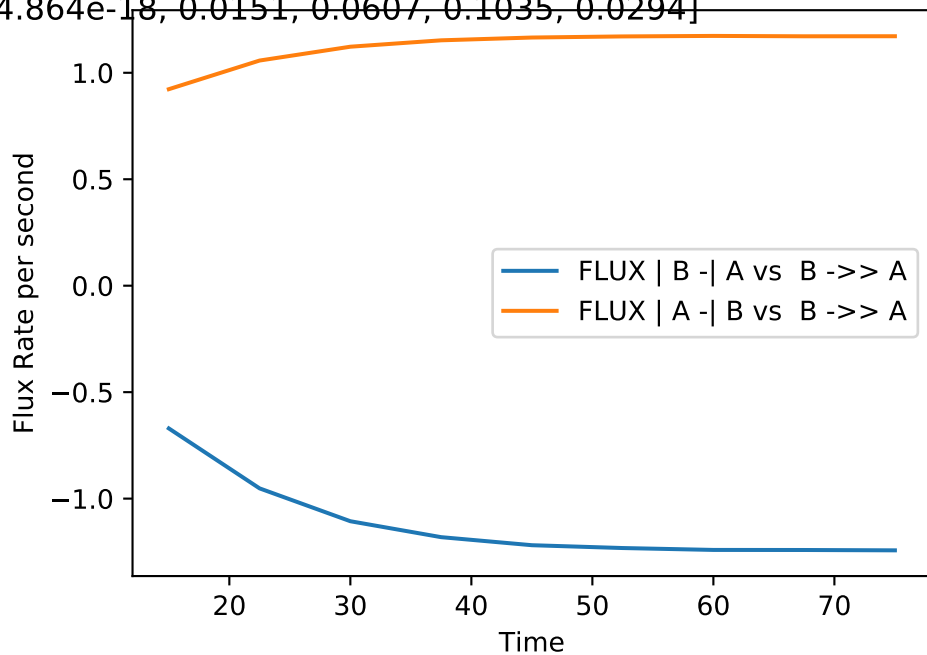
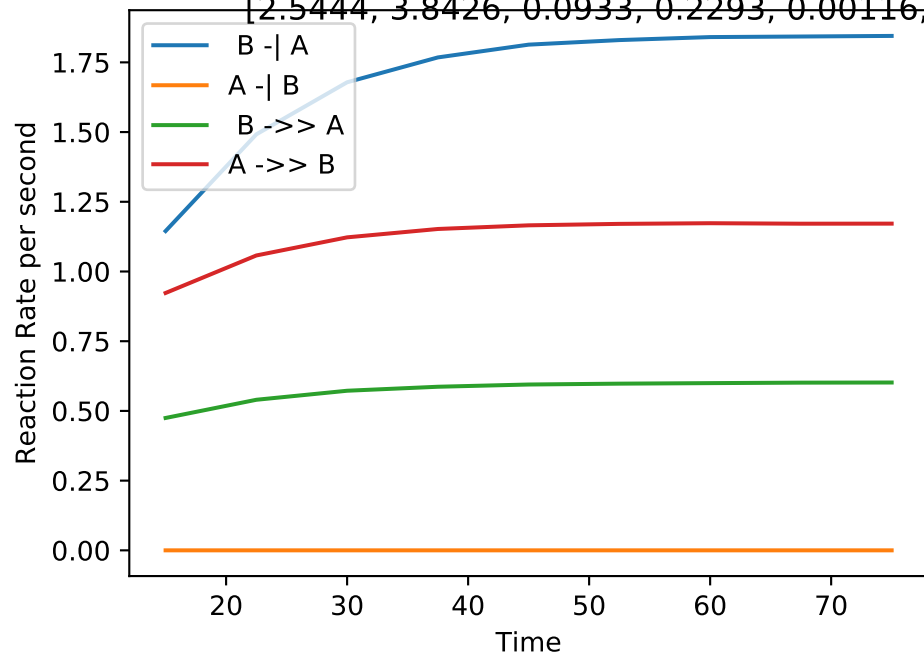
No_up | NLLA No_up(#106):

[3.7368, 4.1078, 0.1637, 0.2020, 0.0001678, 1.496e-16, 0.0000, 0.0769, 0.0915, 0.0077]



No_up | NLLA No_up(#107):

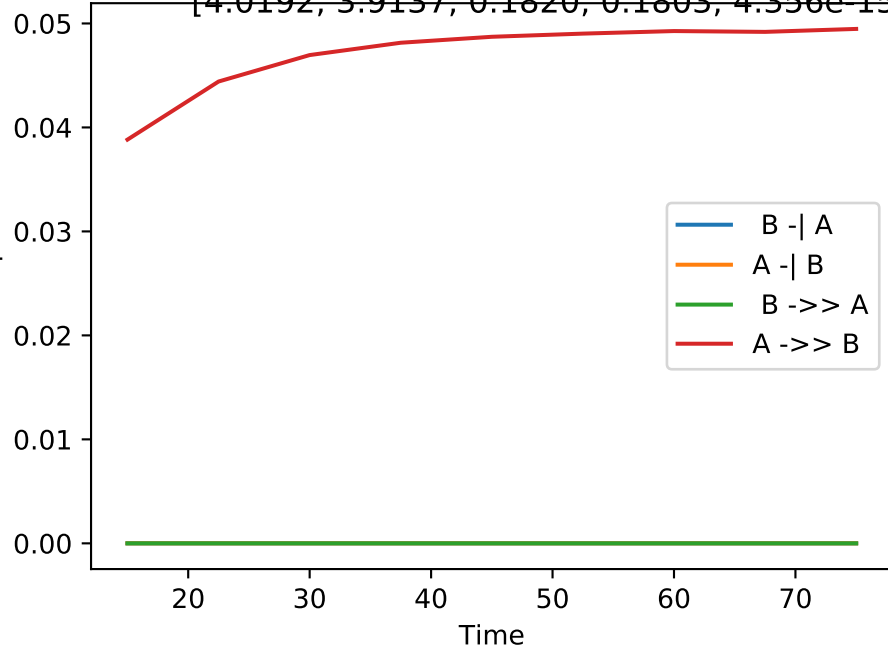
[2.5444, 3.8426, 0.0933, 0.2293, 0.00116, 4.864e-18, 0.0151, 0.0607, 0.1035, 0.0294]



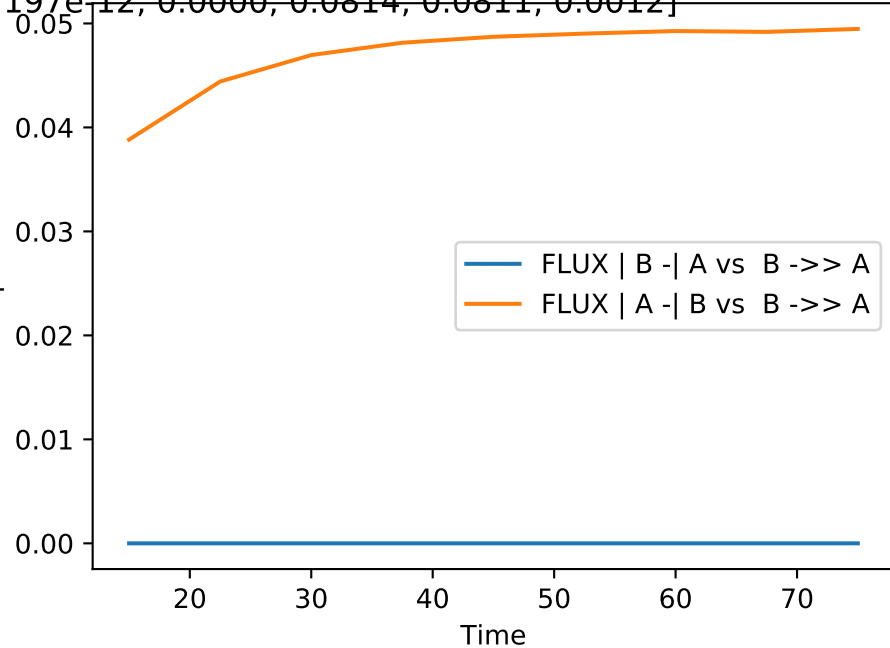
No_up | NLLA No_up(#108):

[4.0192, 3.9137, 0.1820, 0.1803, 4.356e-15, 2.197e-12, 0.0000, 0.0814, 0.0811, 0.0012]

Reaction Rate per second

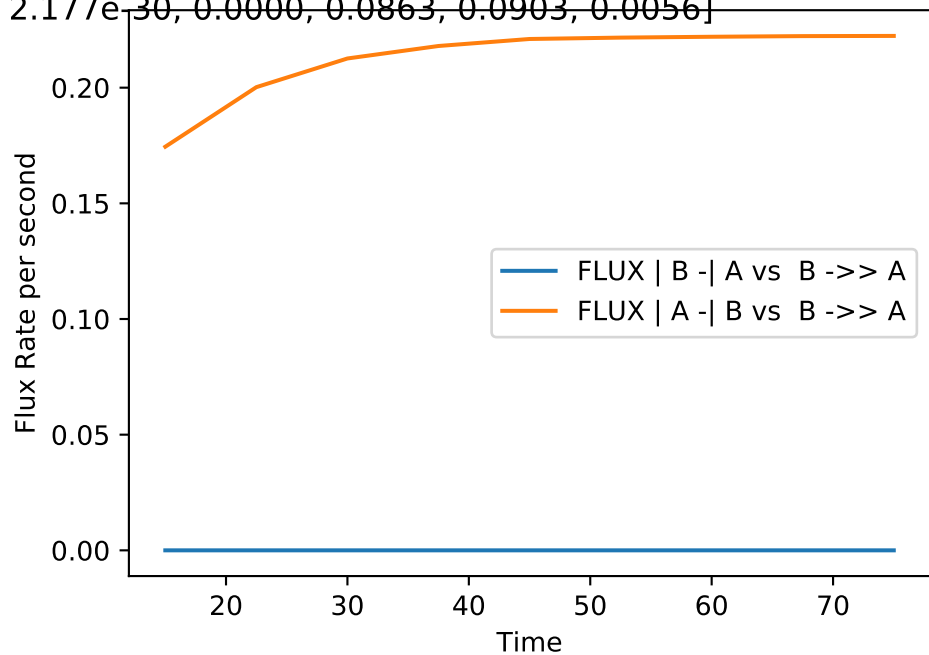
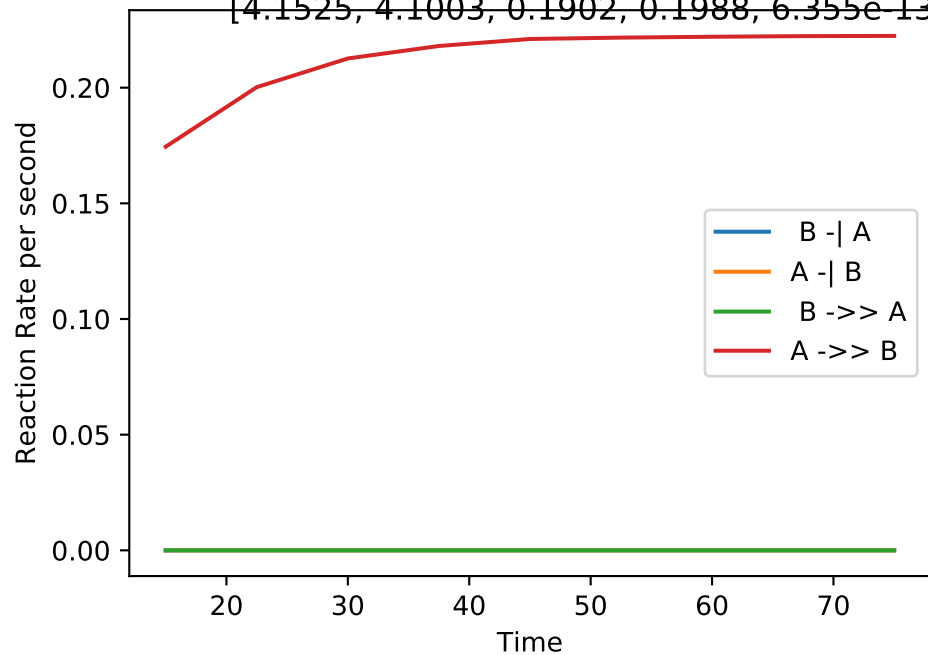


Flux Rate per second



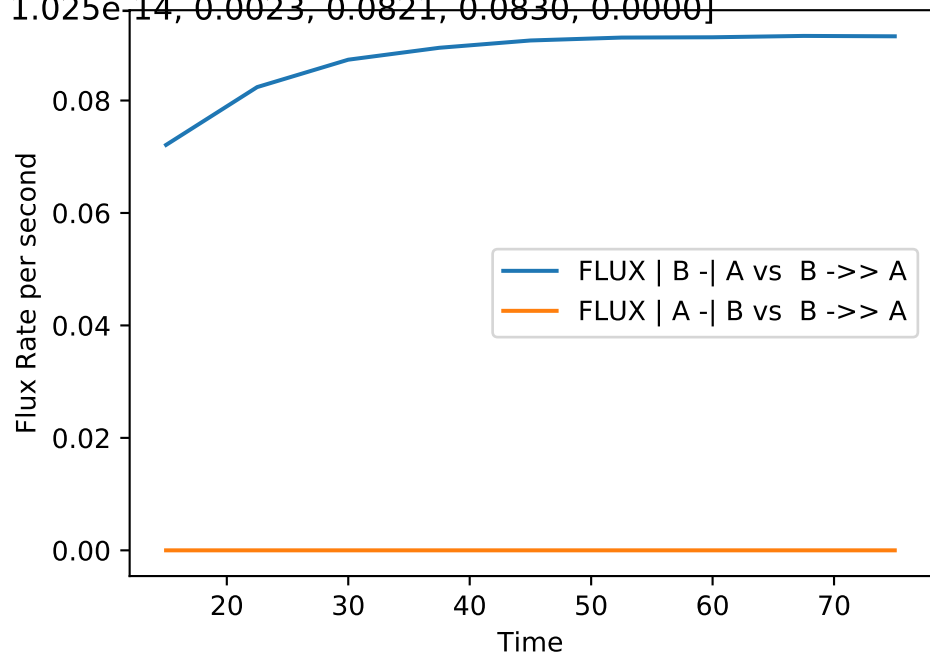
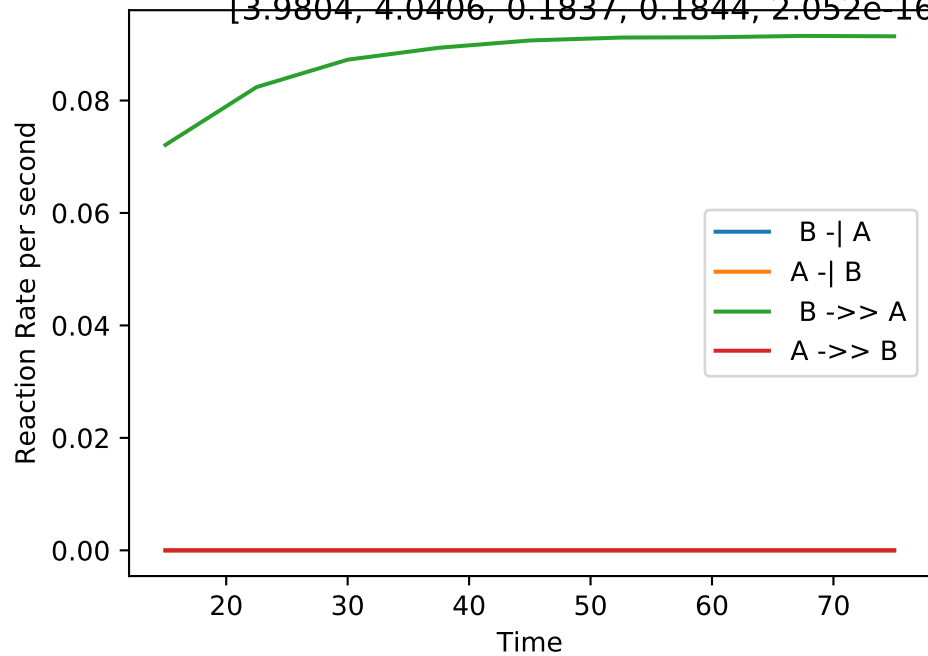
No_up | NLLA No_up(#109):

[4.1525, 4.1003, 0.1902, 0.1988, 6.355e-13, 2.177e-30, 0.0000, 0.0863, 0.0903, 0.0056]



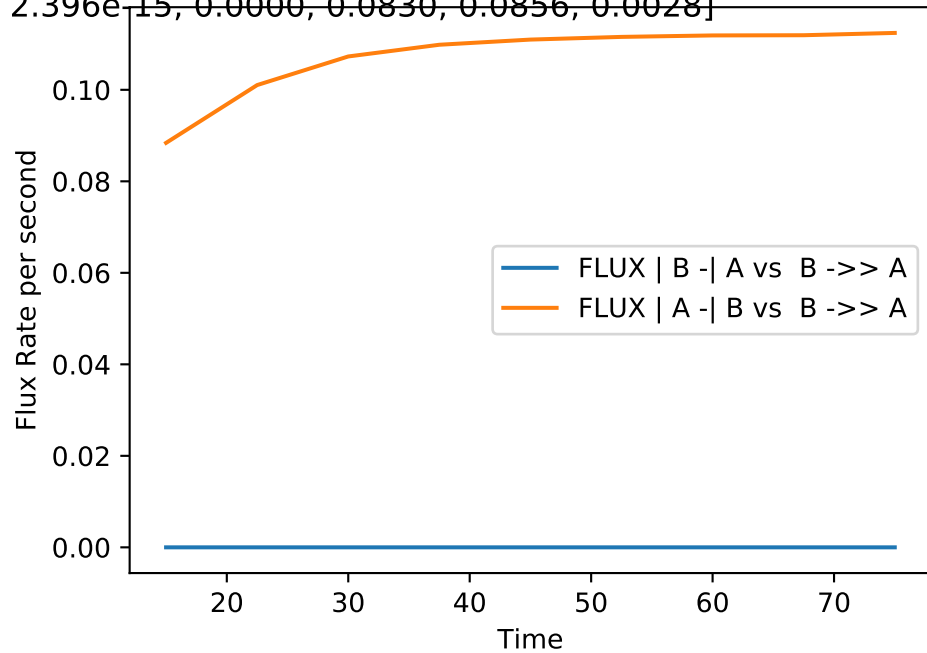
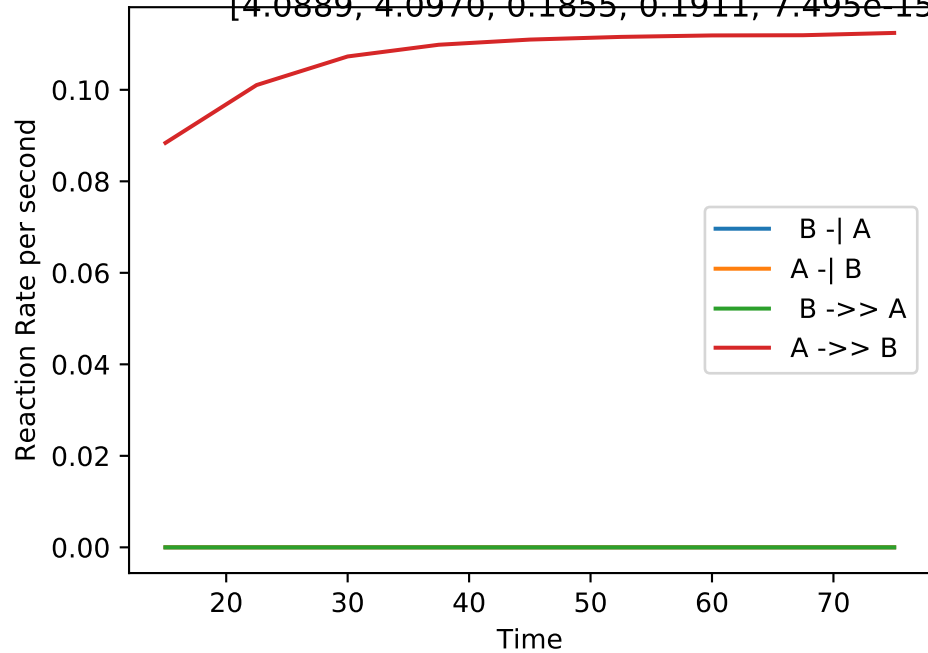
No_up | NLLA No_up(#110):

[3.9804, 4.0406, 0.1837, 0.1844, 2.052e-16, 1.025e-14, 0.0023, 0.0821, 0.0830, 0.0000]



No_up | NLLA No_up(#111):

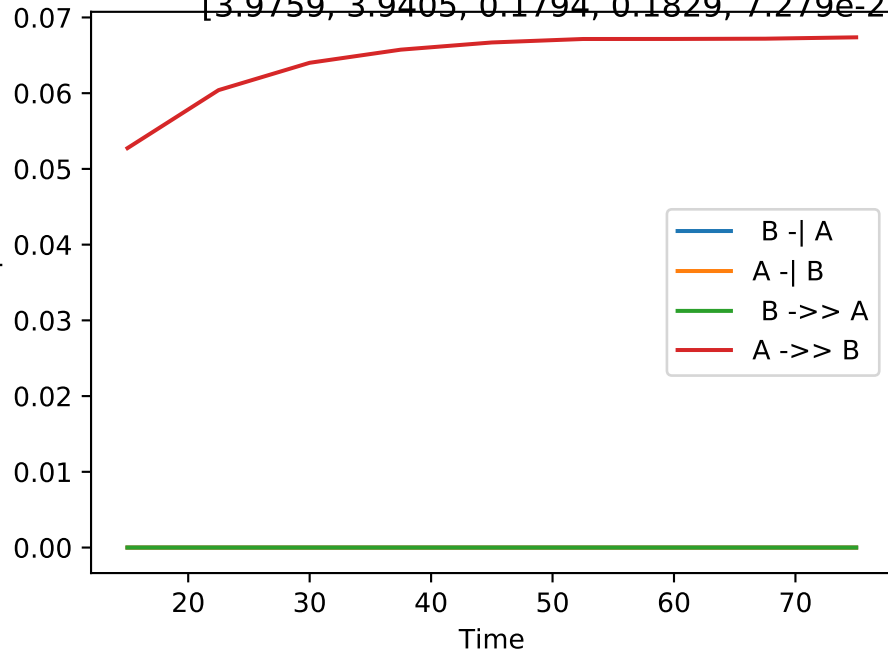
[4.0889, 4.0970, 0.1855, 0.1911, 7.495e-15, 2.396e-15, 0.0000, 0.0830, 0.0856, 0.0028]



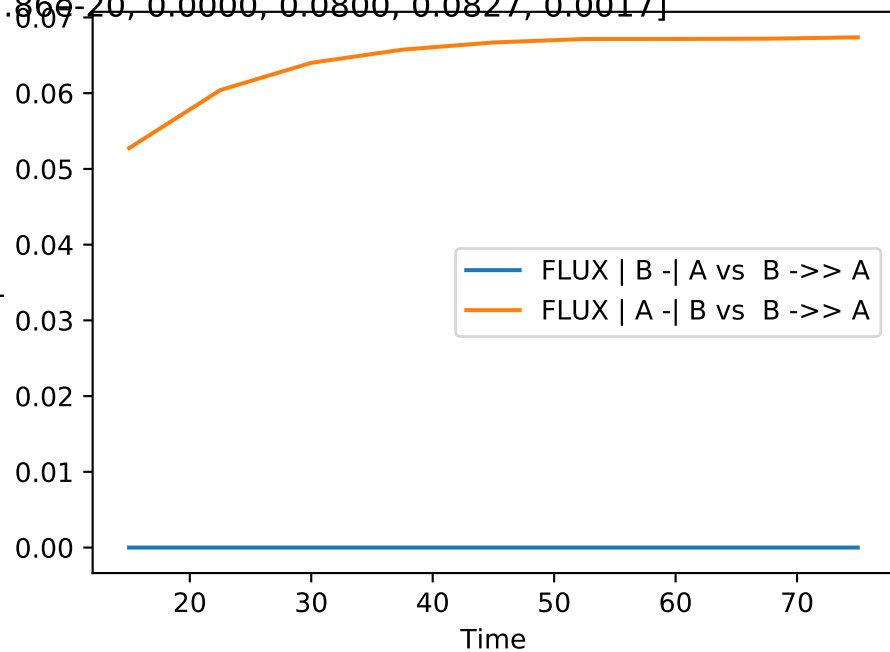
No_up | NLLA No_up(#112):

[3.9759, 3.9405, 0.1794, 0.1829, 7.279e-22, 2.86e-20, 0.0000, 0.0800, 0.0827, 0.0017]

Reaction Rate per second

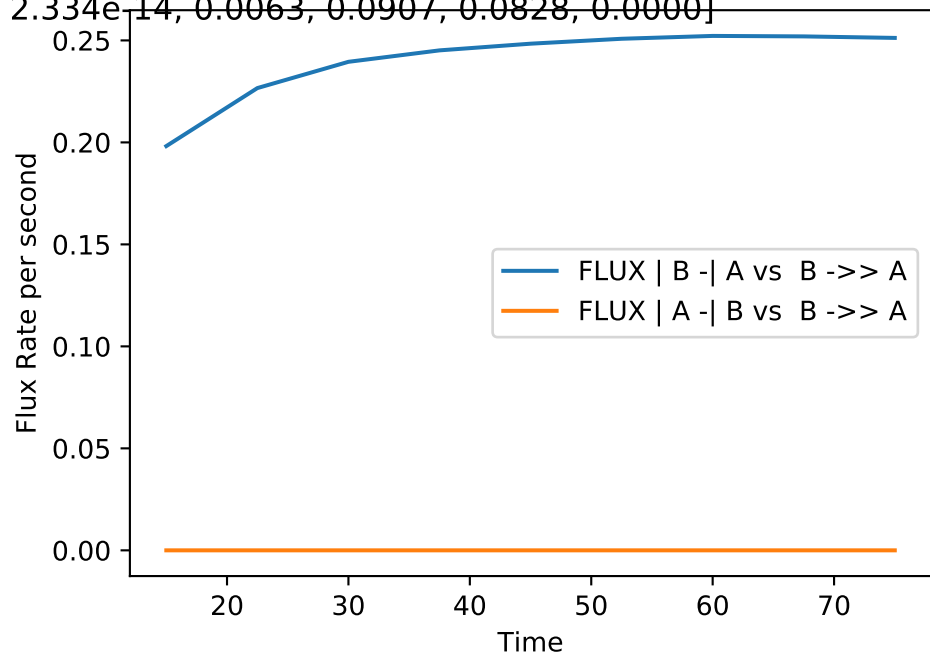
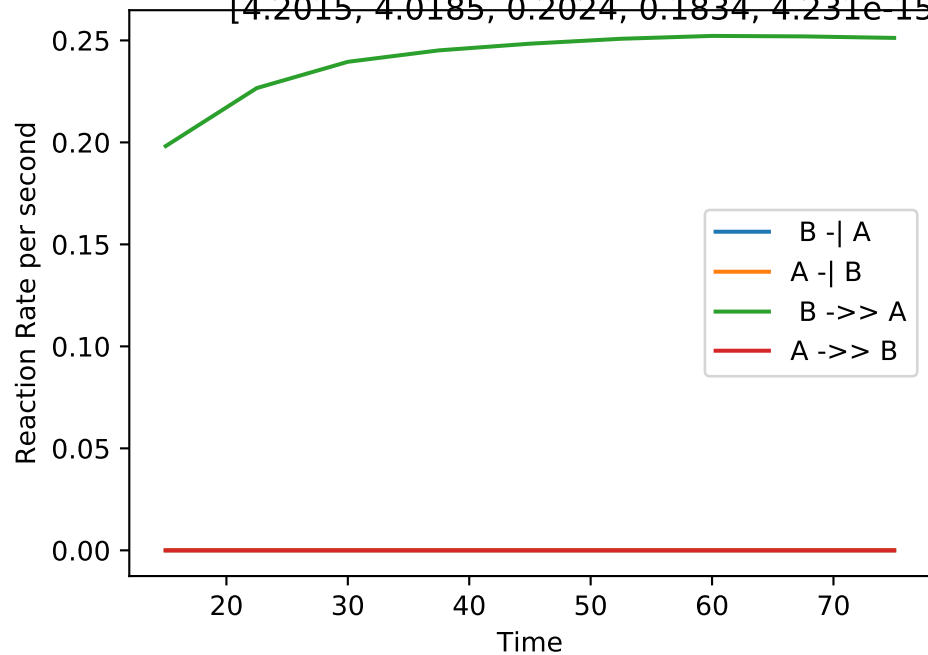


Flux Rate per second



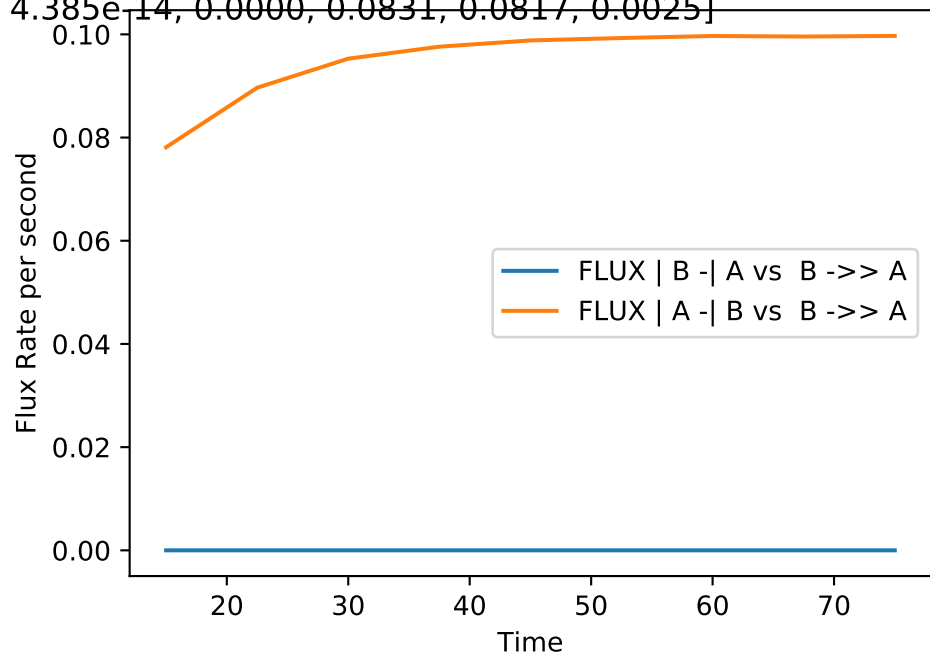
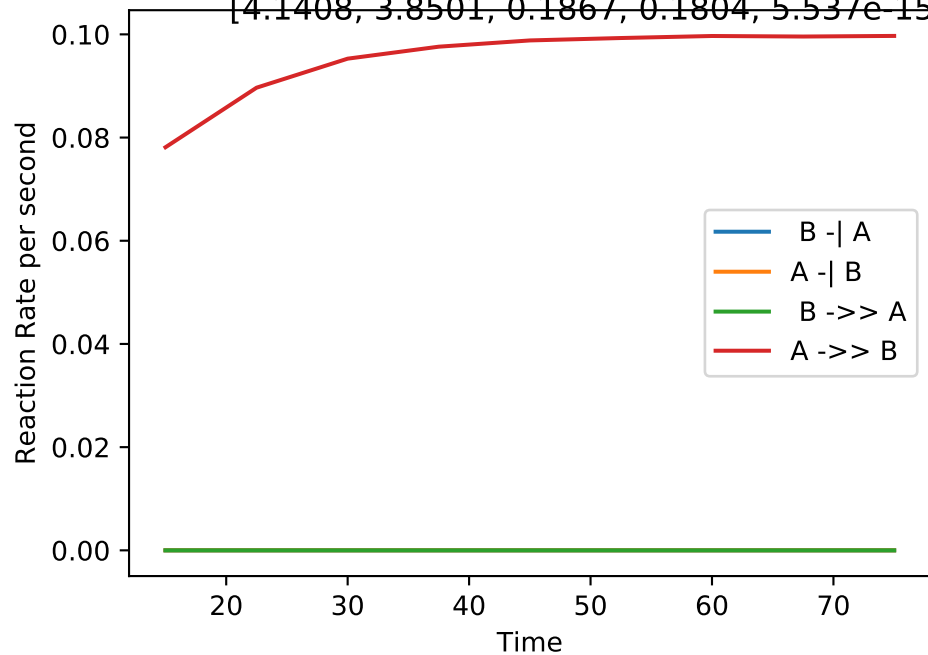
No_up | NLLA No_up(#113):

[4.2015, 4.0185, 0.2024, 0.1834, 4.231e-15, 2.334e-14, 0.0063, 0.0907, 0.0828, 0.0000]



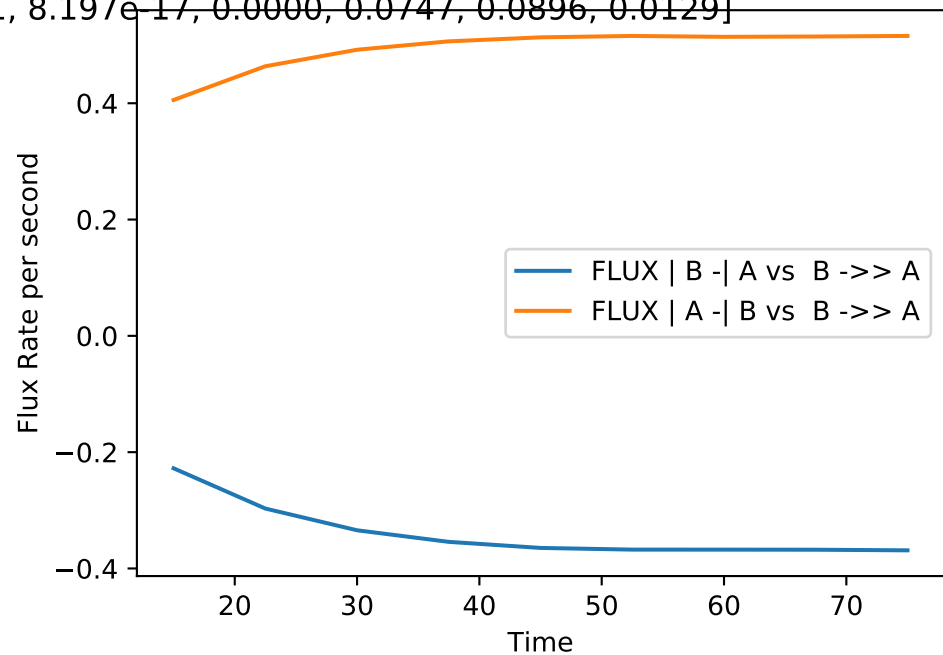
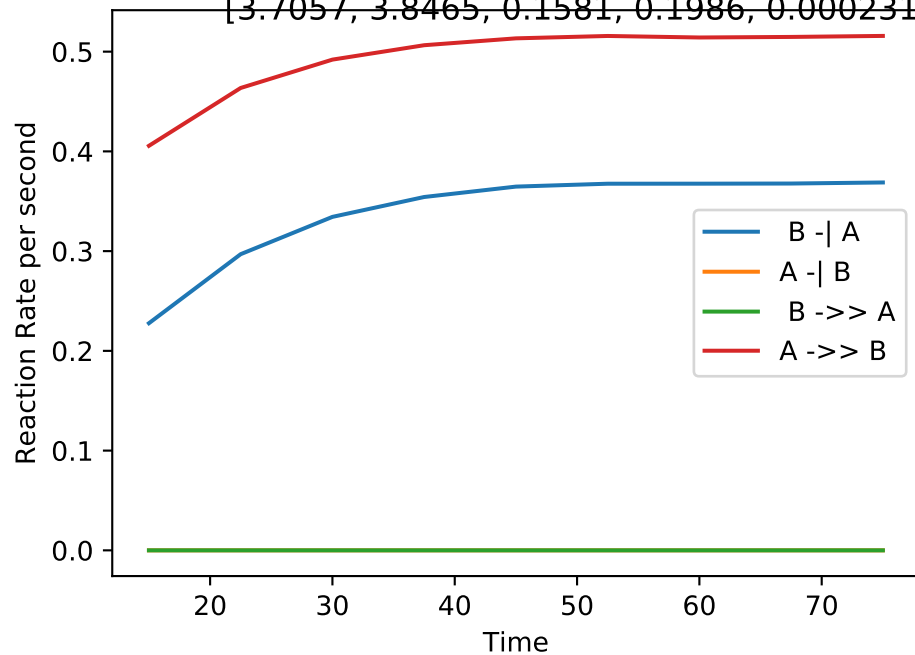
No_up | NLLA No_up(#114):

[4.1408, 3.8501, 0.1867, 0.1804, 5.537e-15, 4.385e-14, 0.0000, 0.0831, 0.0817, 0.0025]



No_up | NLLA No_up(#115):

[3.7057, 3.8465, 0.1581, 0.1986, 0.0002311, 8.197e-17, 0.0000, 0.0747, 0.0896, 0.0129]



No_up | NLLA No_up(#116):

[4.0109, 4.0287, 0.1844, 0.1953, 9.074e-19, 1.518e-19, 0.0000, 0.0839, 0.0889, 0.0054]

Reaction Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

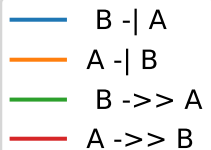
40

50

60

70

Time



Flux Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

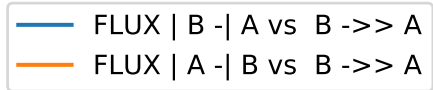
40

50

60

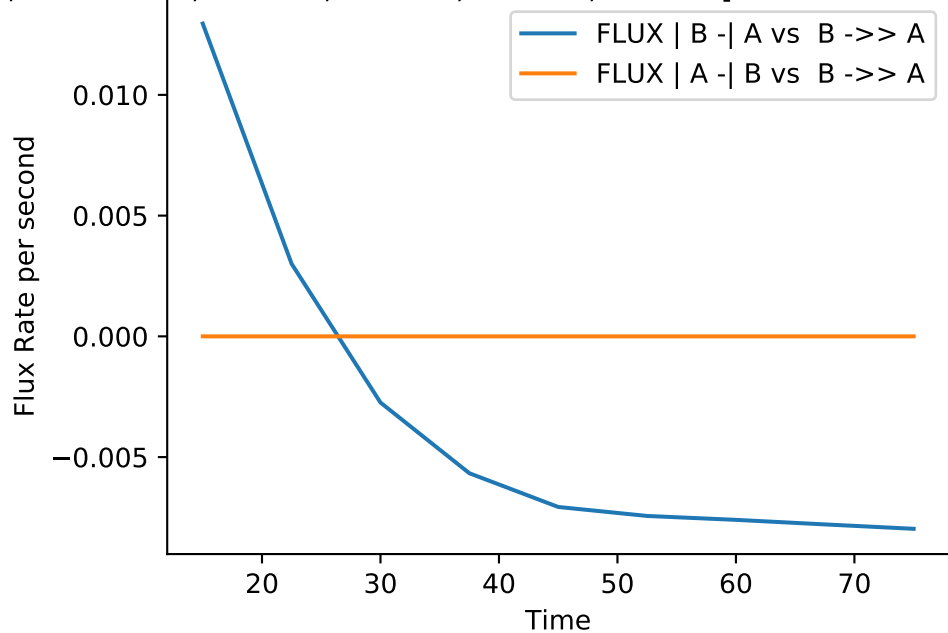
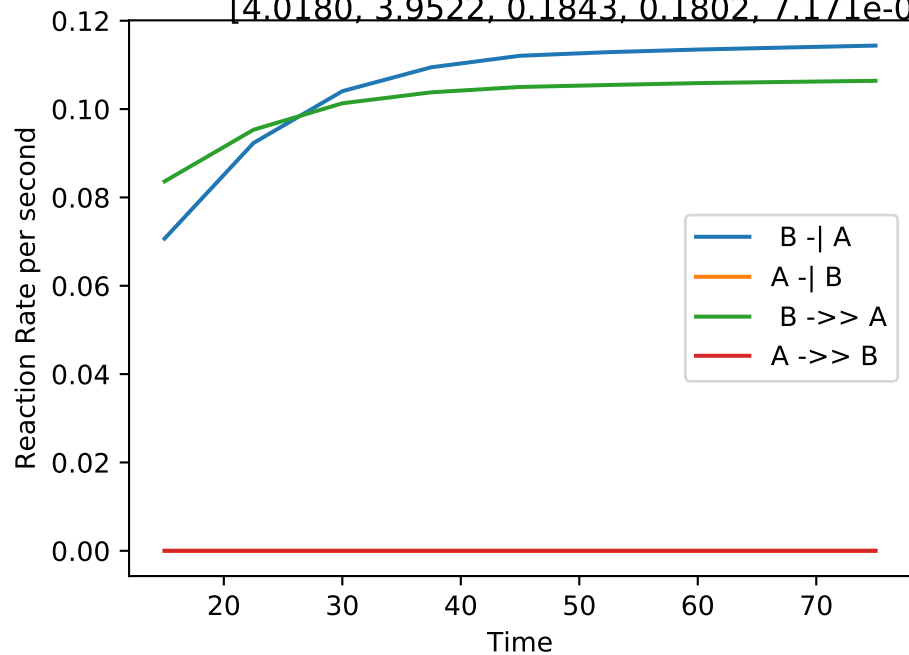
70

Time



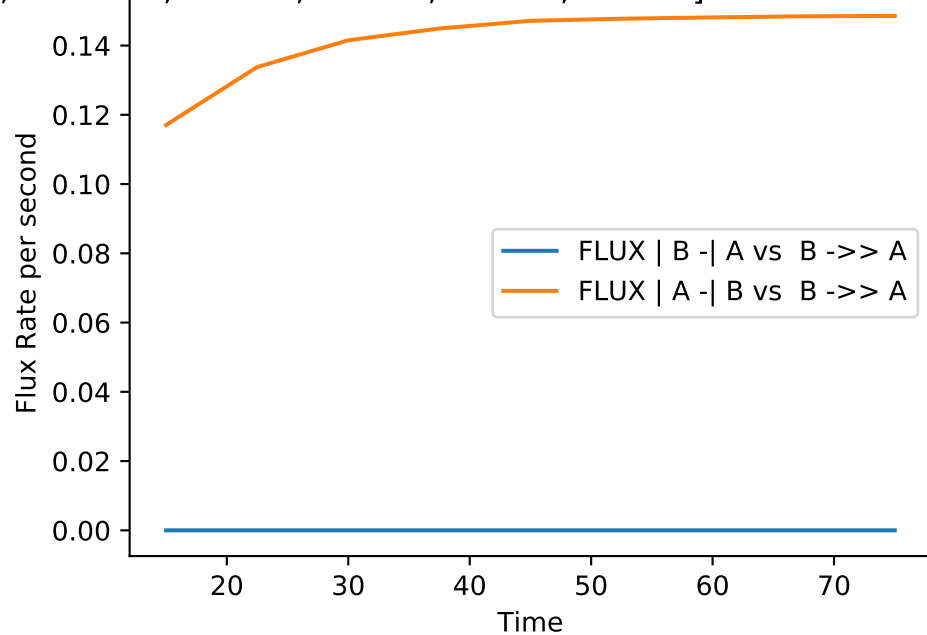
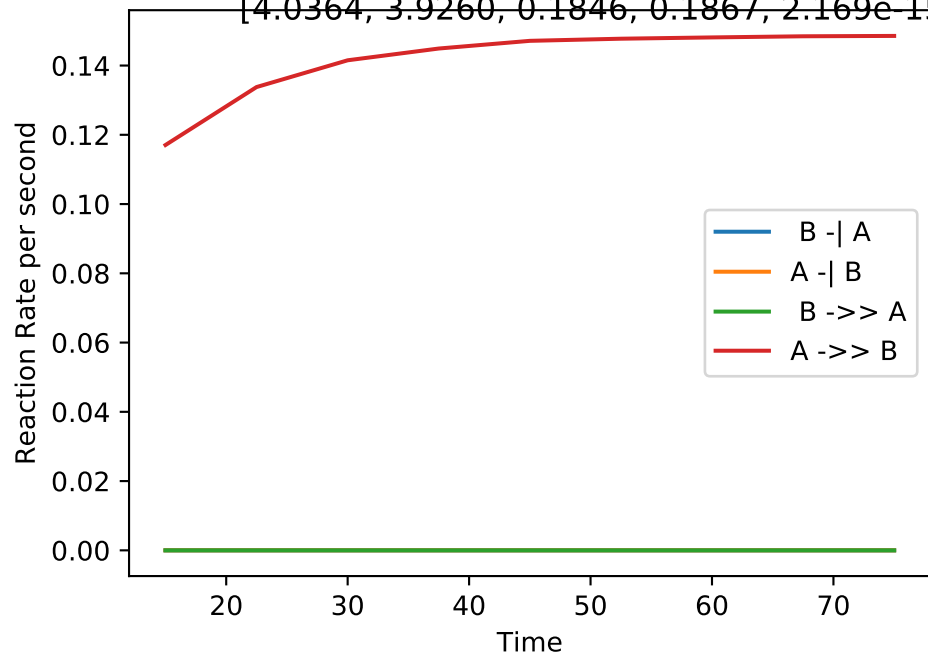
No_up | NLLA No_up(#117):

[4.0180, 3.9522, 0.1843, 0.1802, 7.171e-05, 4.862e-22, 0.0027, 0.0839, 0.0811, 0.0000]



No_up | NLLA No_up(#118):

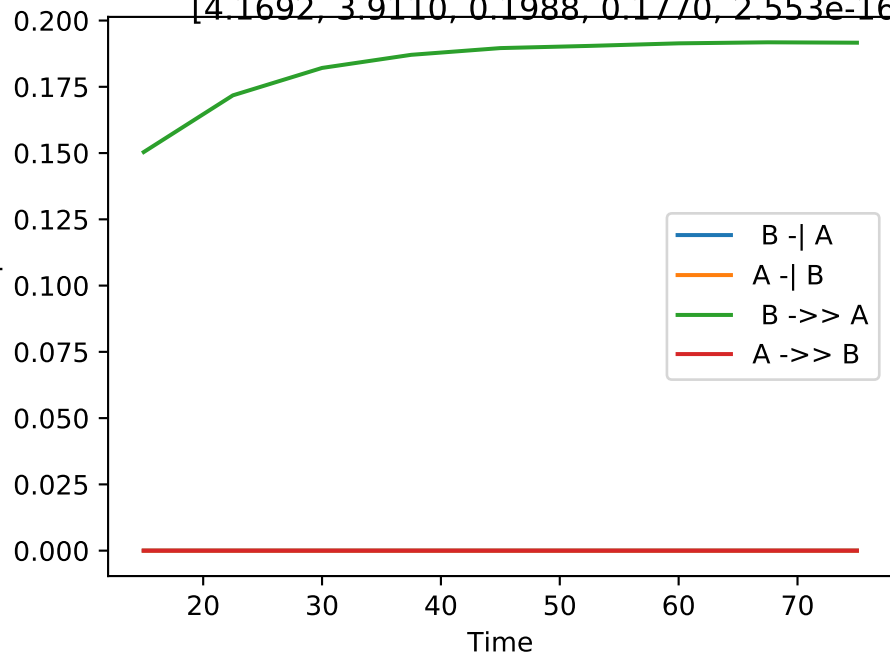
[4.0364, 3.9260, 0.1846, 0.1867, 2.169e-15, 4.07e-16, 0.0000, 0.0834, 0.0847, 0.0037]



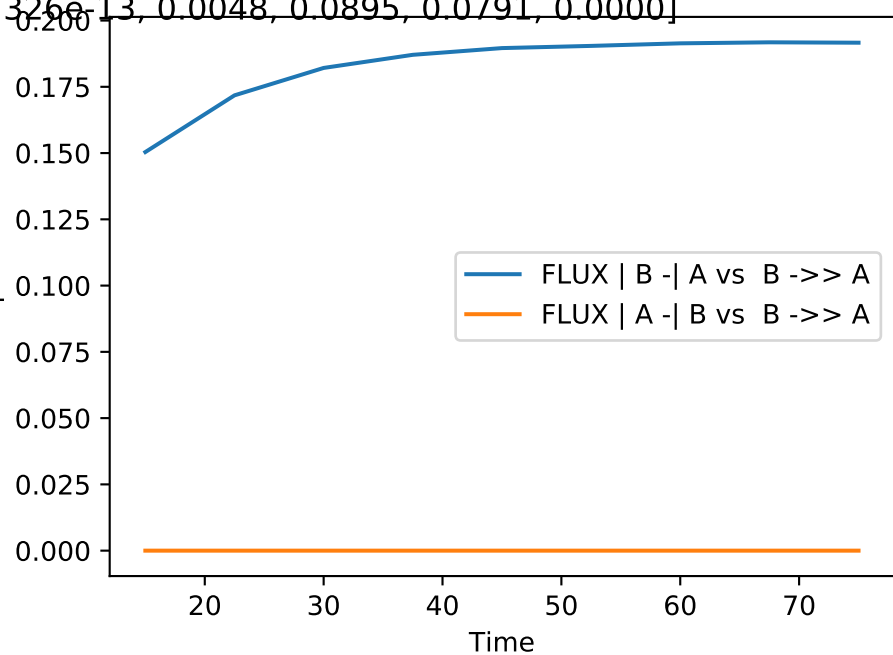
No_up | NLLA No_up(#119):

[4.1692, 3.9110, 0.1988, 0.1770, 2.553e-16, 6.326e-13, 0.0048, 0.0895, 0.0791, 0.0000]

Reaction Rate per second

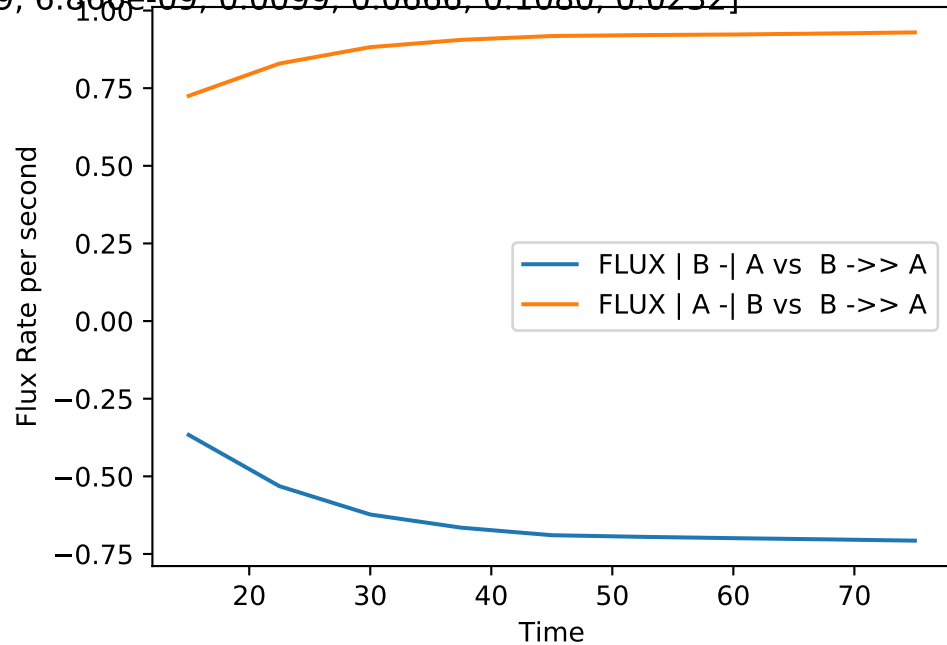
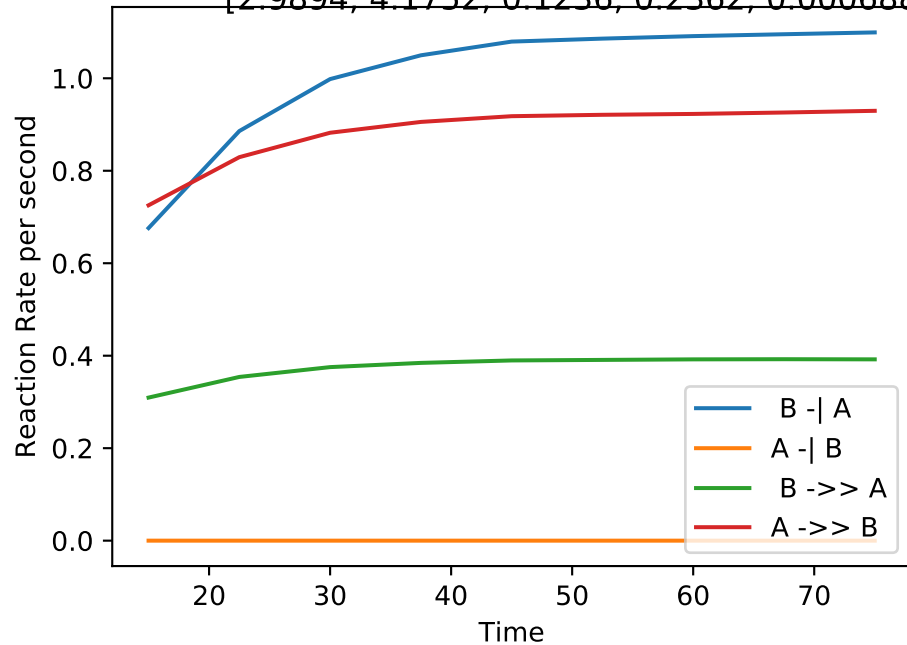


Flux Rate per second



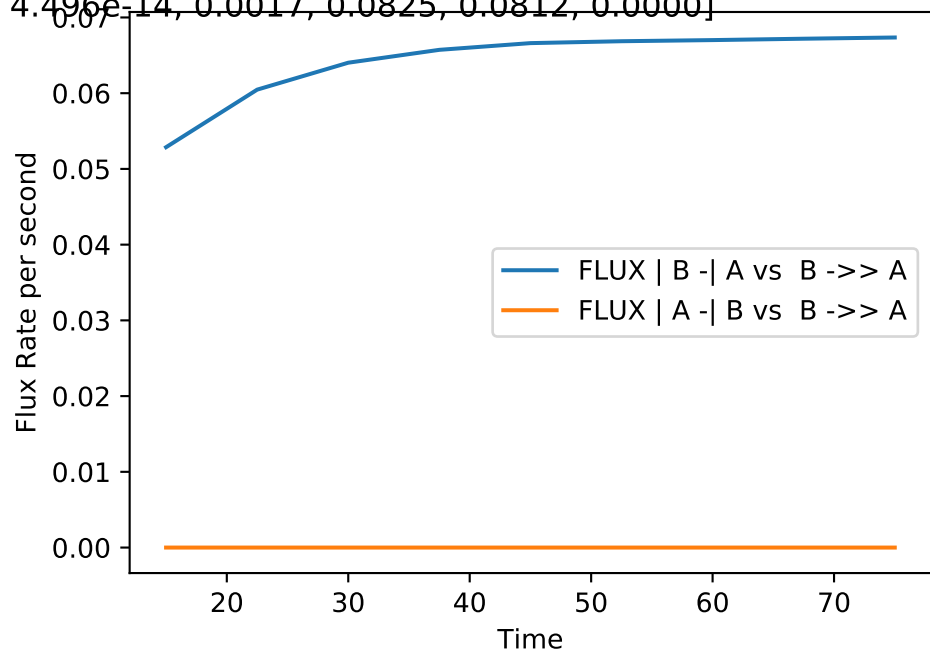
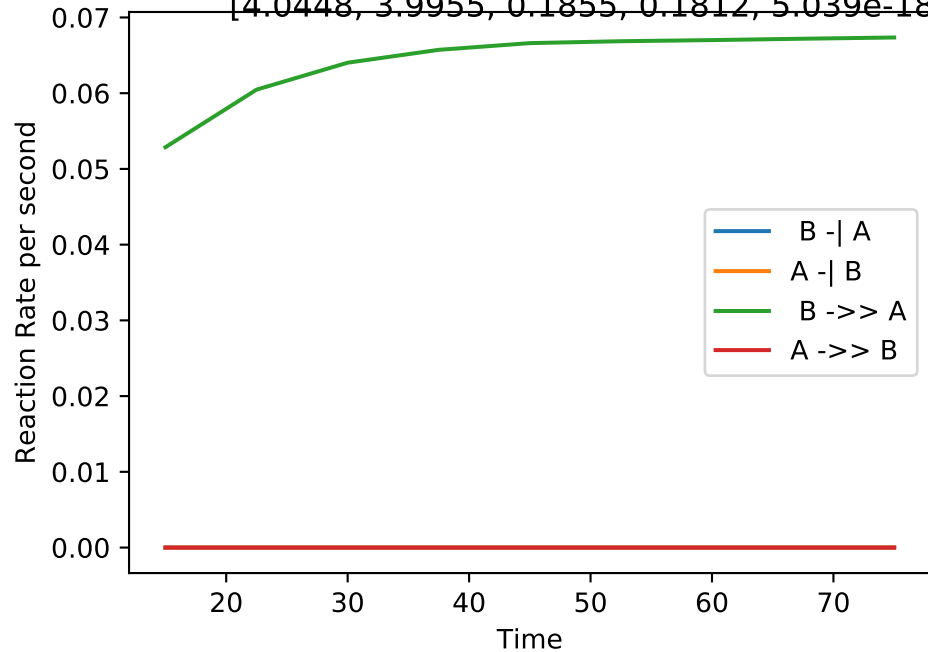
No_up | NLLA No_up(#120):

[2.9894, 4.1752, 0.1236, 0.2362, 0.0006889, 6.866e-09, 0.0099, 0.0666, 0.1080, 0.0232]



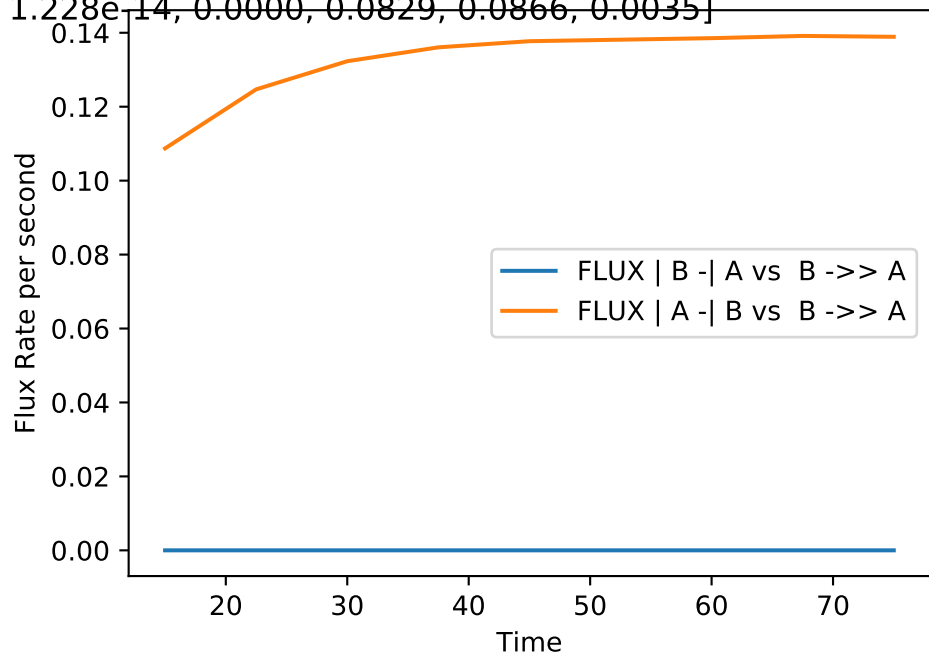
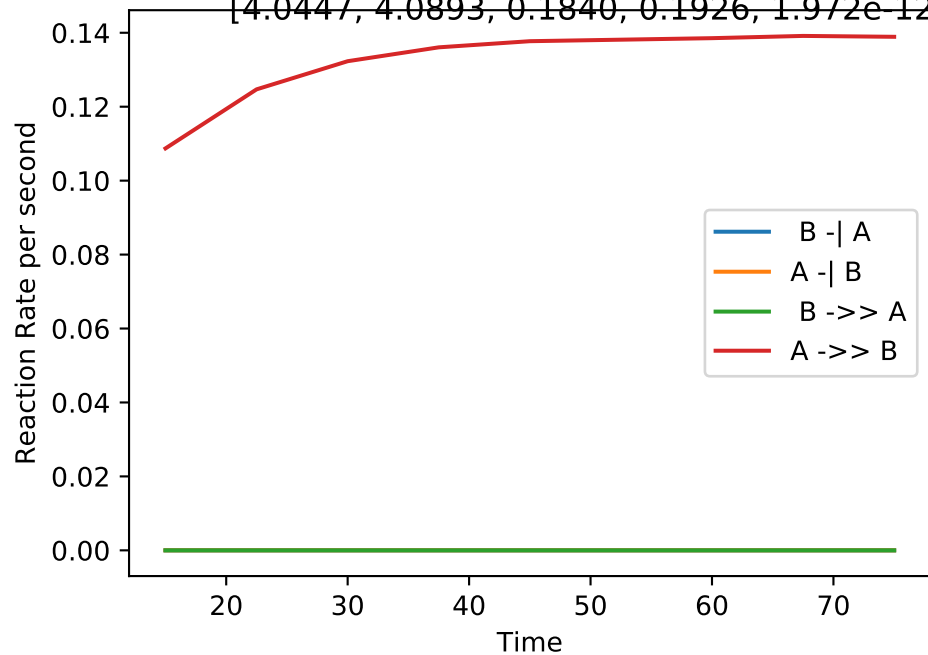
No_up | NLLA No_up(#121):

[4.0448, 3.9955, 0.1855, 0.1812, 5.039e-18, 4.496e-14, 0.0017, 0.0825, 0.0812, 0.0000]



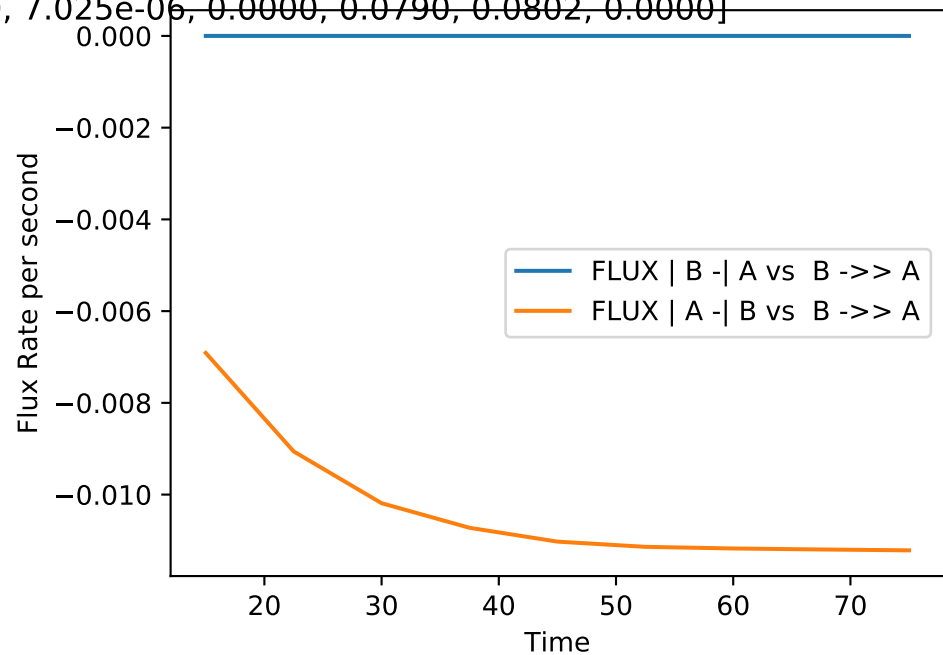
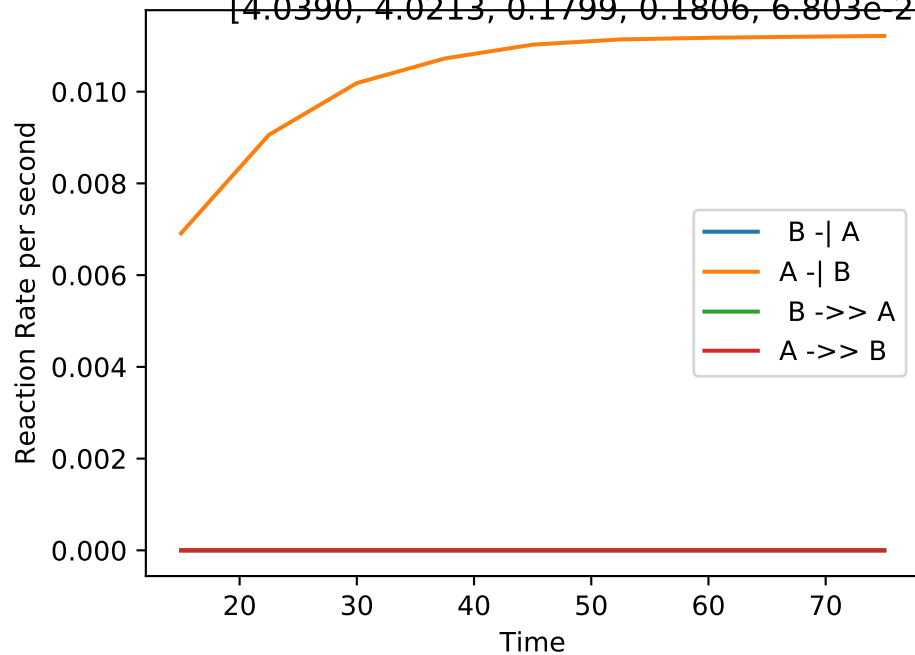
No_up | NLLA No_up(#122):

[4.0447, 4.0893, 0.1840, 0.1926, 1.972e-12, 1.228e-14, 0.0000, 0.0829, 0.0866, 0.0035]



No_up | NLLA No_up(#123):

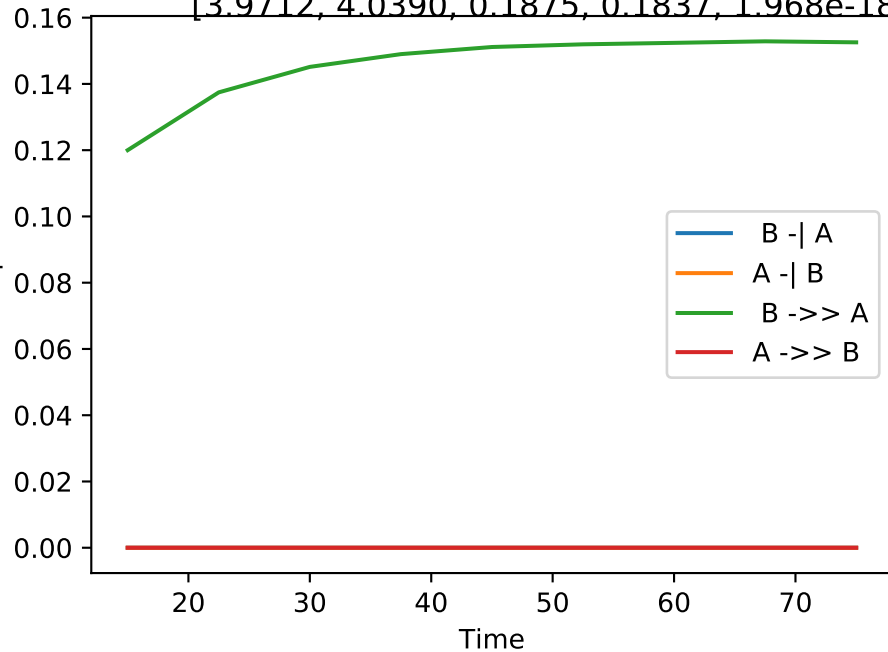
[4.0390, 4.0213, 0.1799, 0.1806, 6.803e-20, 7.025e-06, 0.0000, 0.0790, 0.0802, 0.0000]



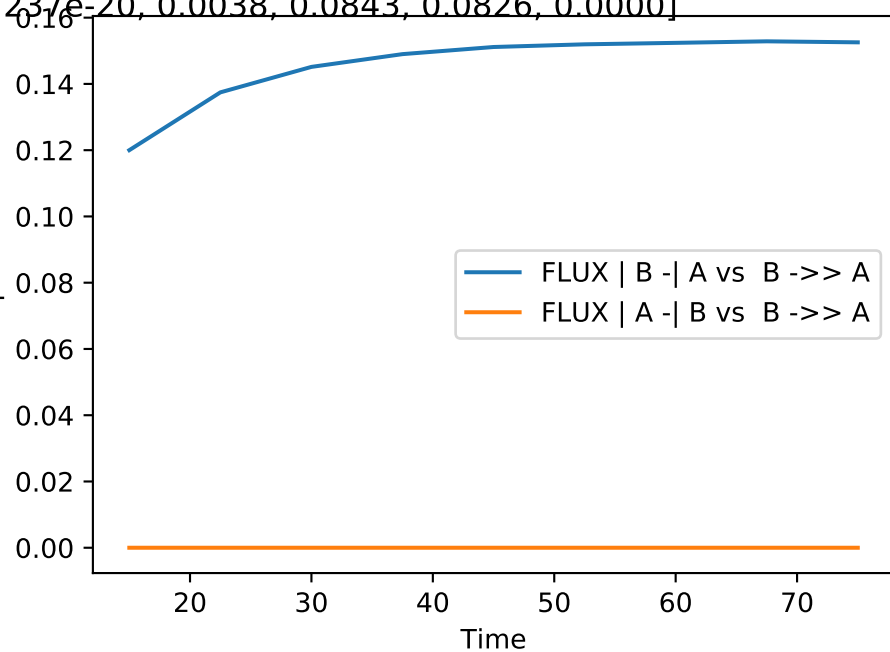
No_up | NLLA No_up(#124):

[3.9712, 4.0390, 0.1875, 0.1837, 1.968e-18, 3.237e-20, 0.0038, 0.0843, 0.0826, 0.0000]

Reaction Rate per second

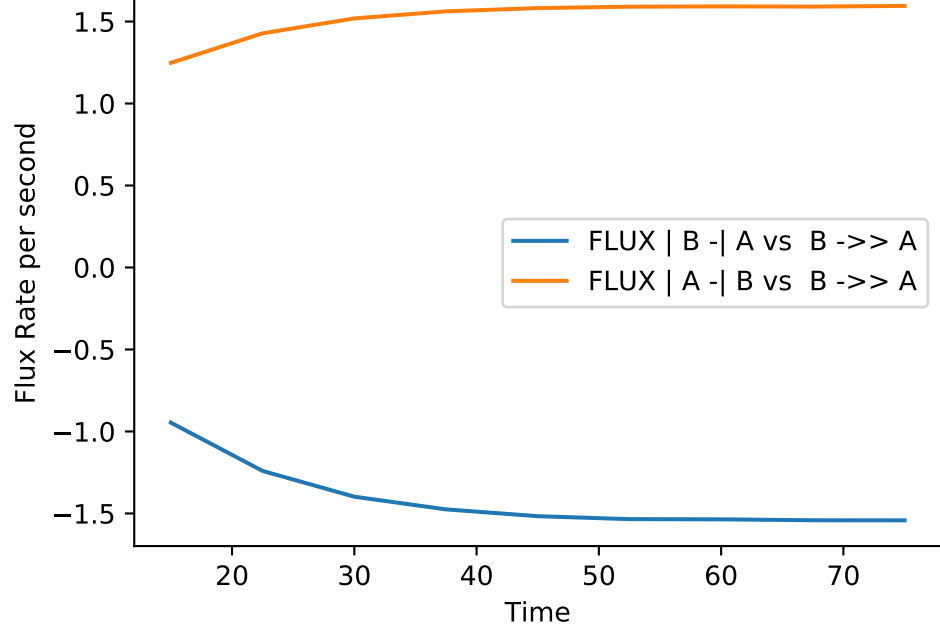
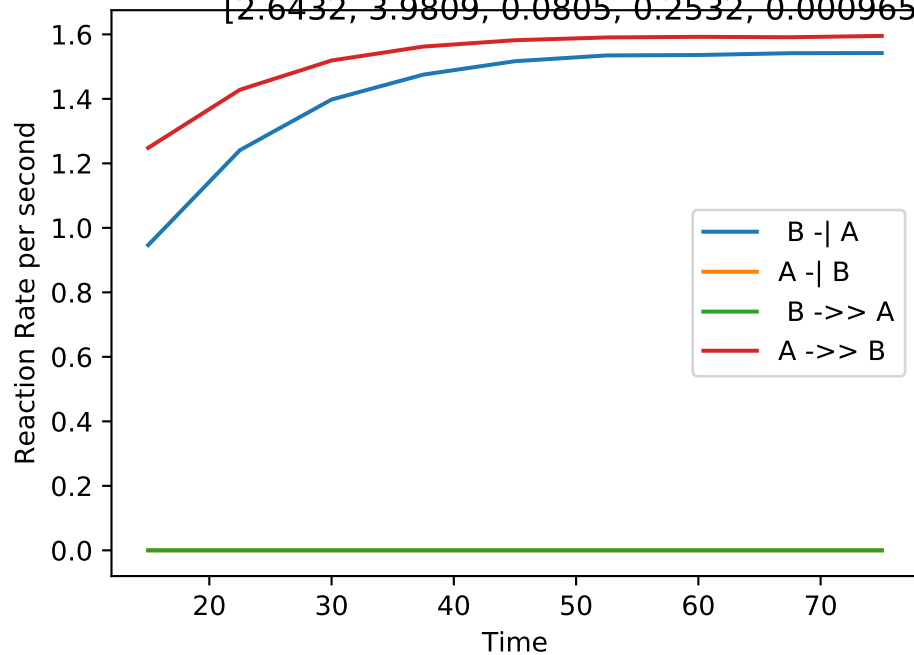


Flux Rate per second



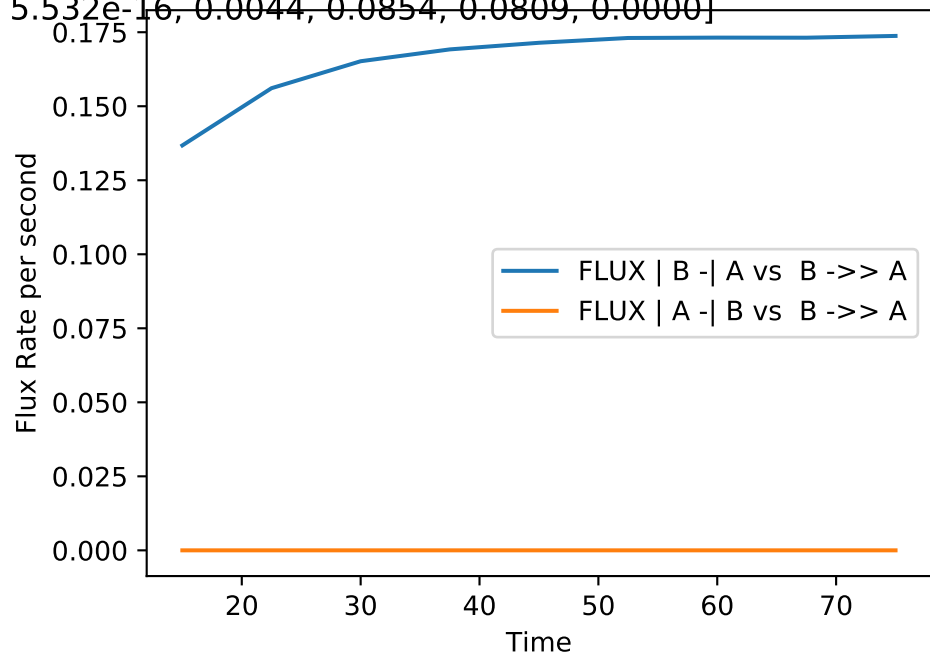
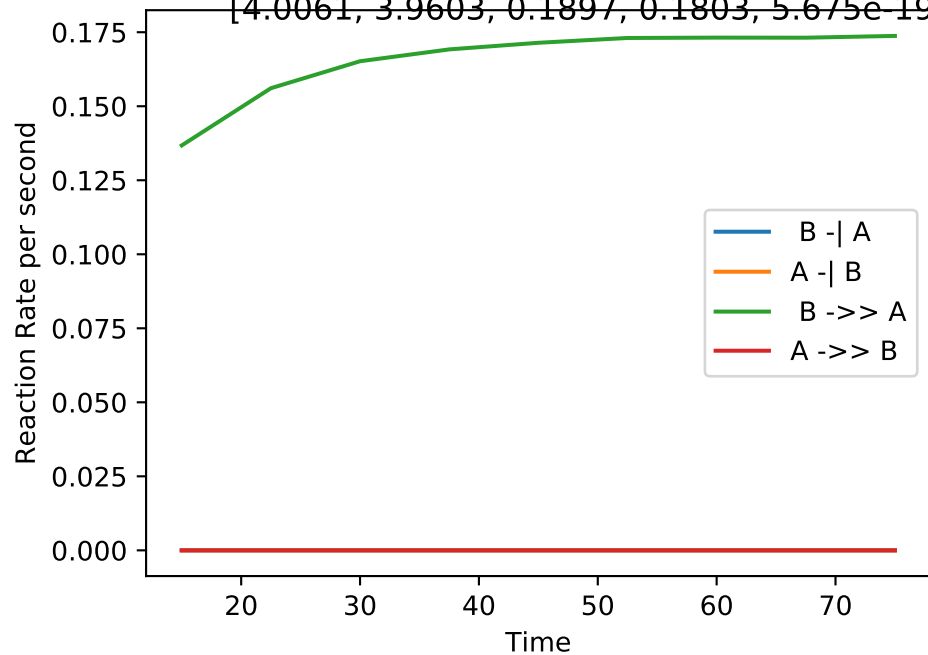
No_up | NLLA No_up(#125):

[2.6432, 3.9809, 0.0805, 0.2532, 0.0009659, 6.341e-20, 0.0000, 0.0530, 0.1138, 0.0399]



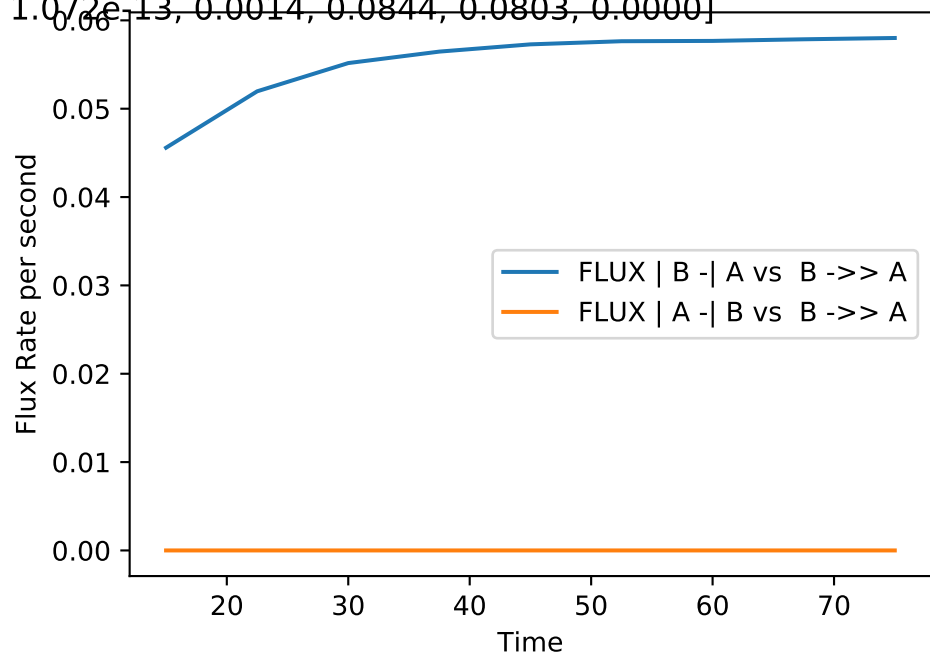
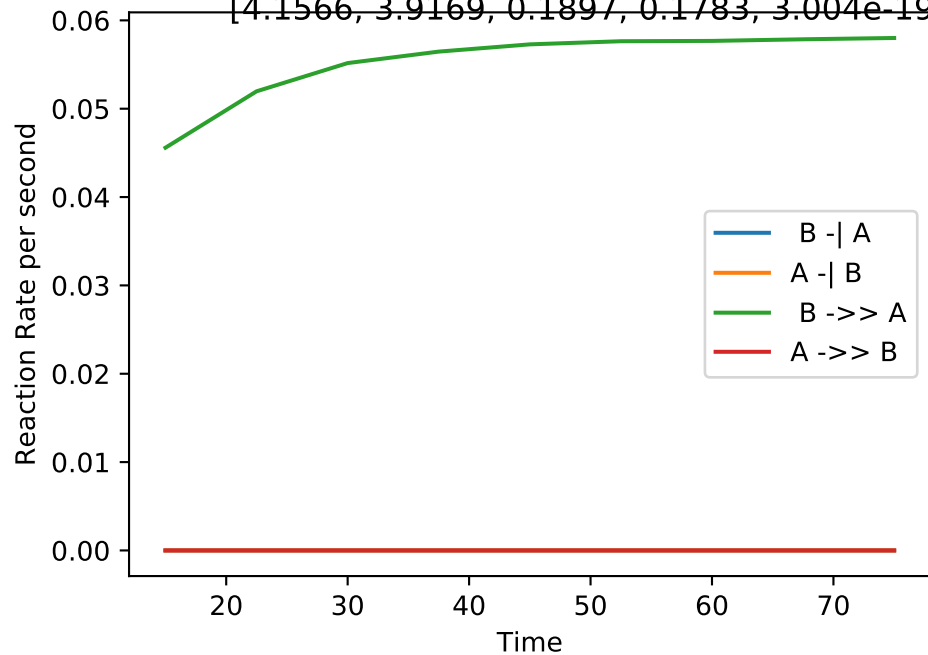
No_up | NLLA No_up(#126):

[4.0061, 3.9603, 0.1897, 0.1803, 5.675e-19, 5.532e-16, 0.0044, 0.0854, 0.0809, 0.0000]



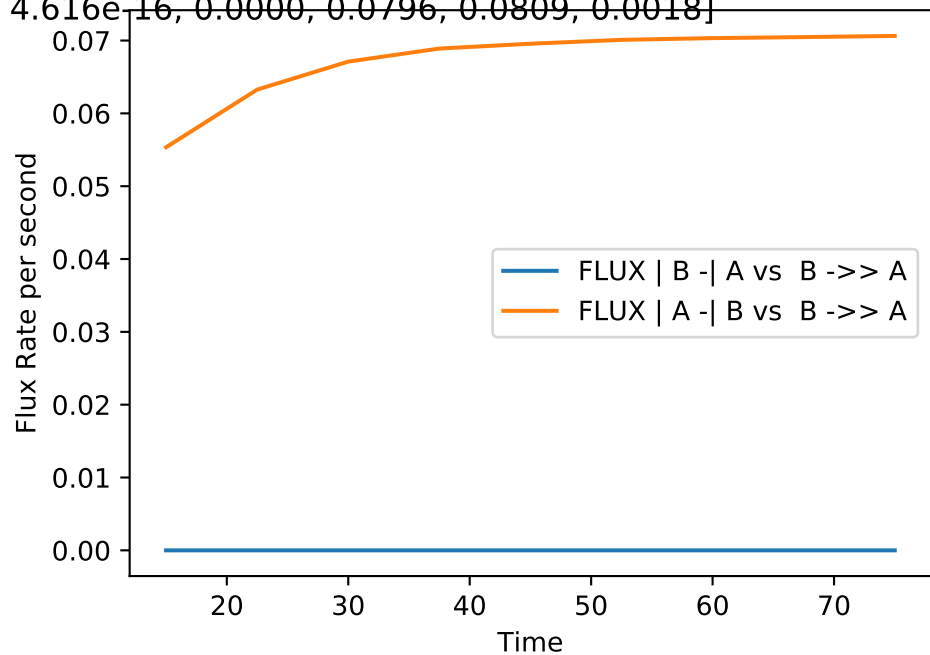
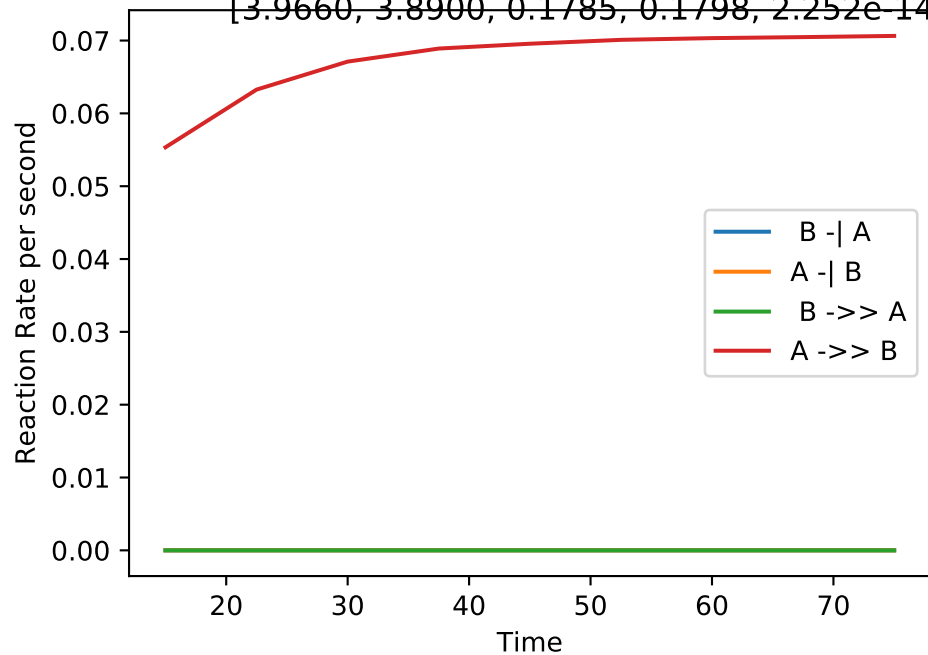
No_up | NLLA No_up(#127):

[4.1566, 3.9169, 0.1897, 0.1783, 3.004e-19, 1.072e-13, 0.0014, 0.0844, 0.0803, 0.0000]



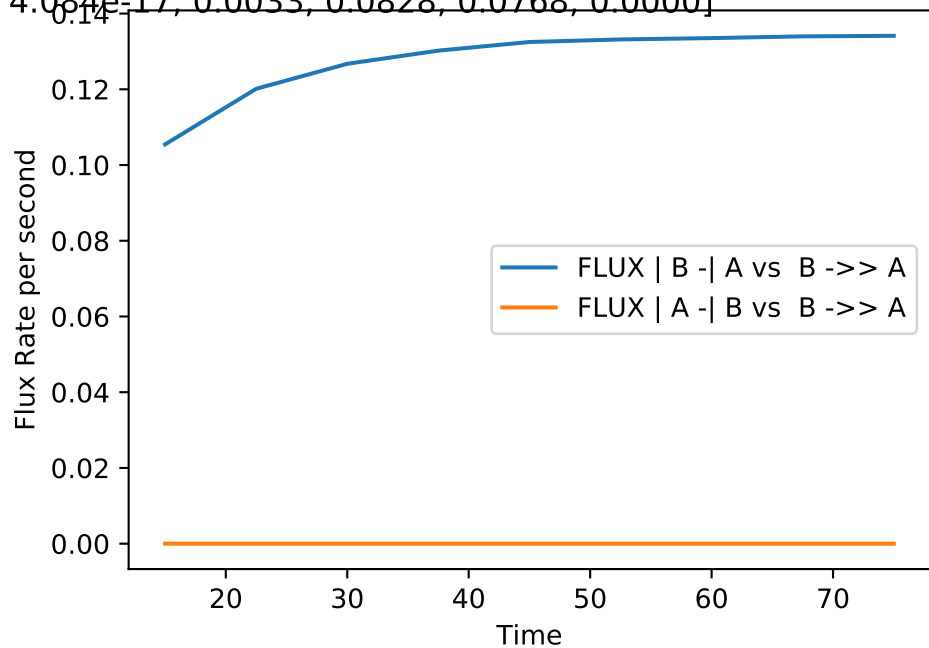
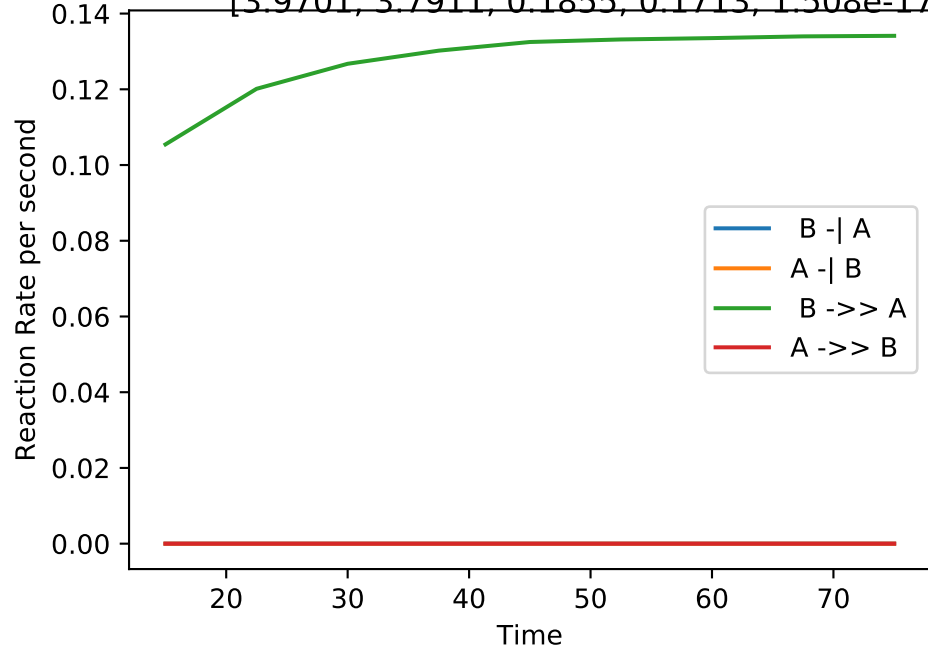
No_up | NLLA No_up(#128):

[3.9660, 3.8900, 0.1785, 0.1798, 2.252e-14, 4.616e-16, 0.0000, 0.0796, 0.0809, 0.0018]



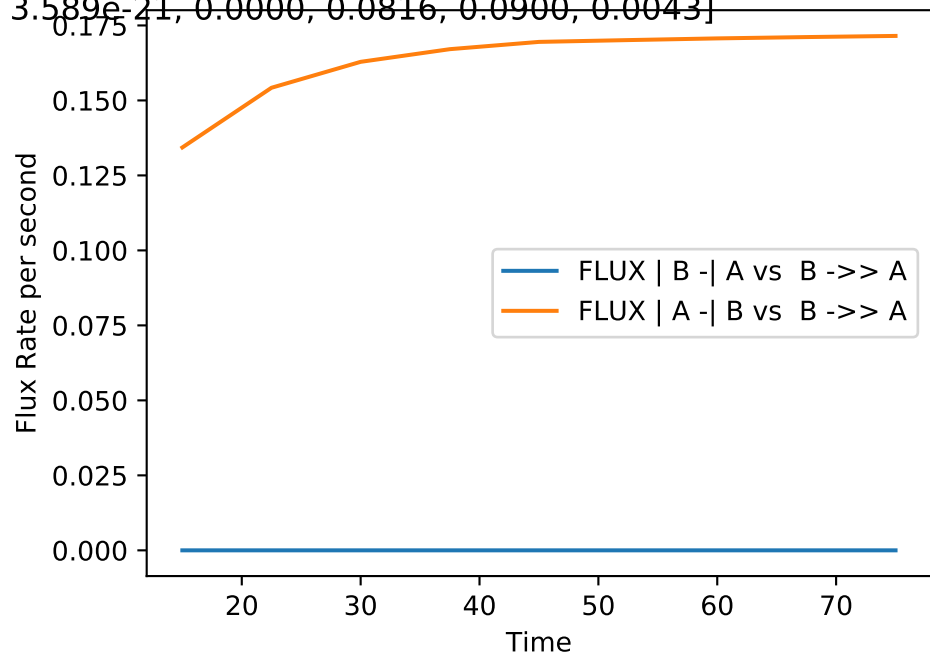
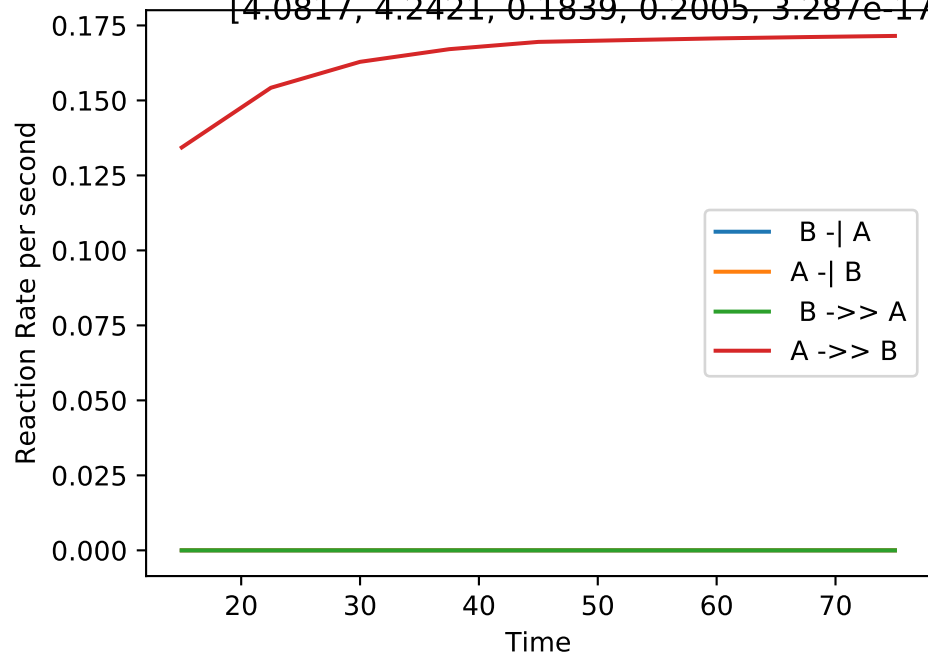
No_up | NLLA No_up(#129):

[3.9701, 3.7911, 0.1855, 0.1713, 1.508e-17, 4.084e-17, 0.0033, 0.0828, 0.0768, 0.0000]



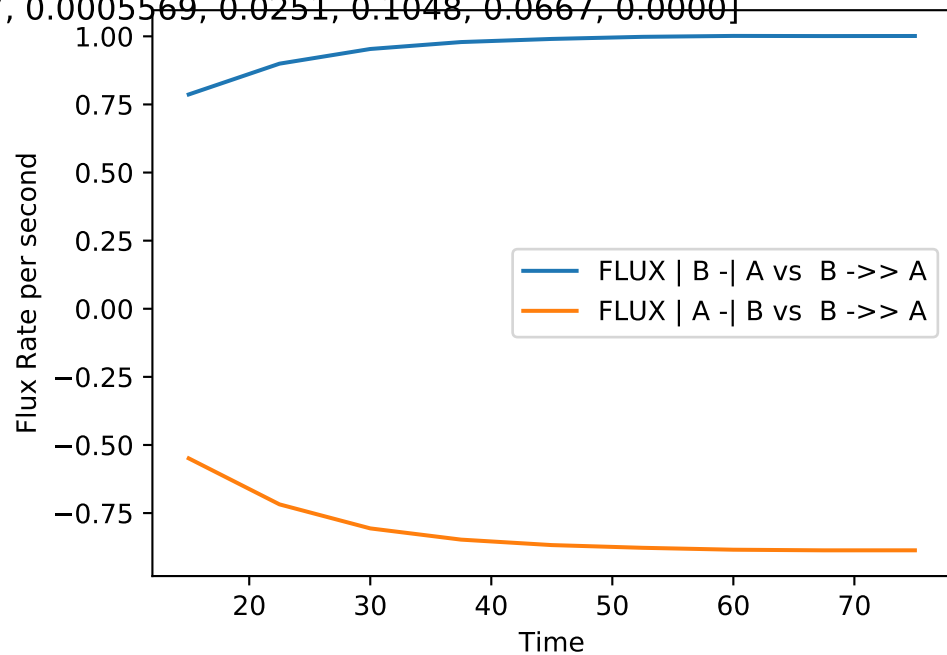
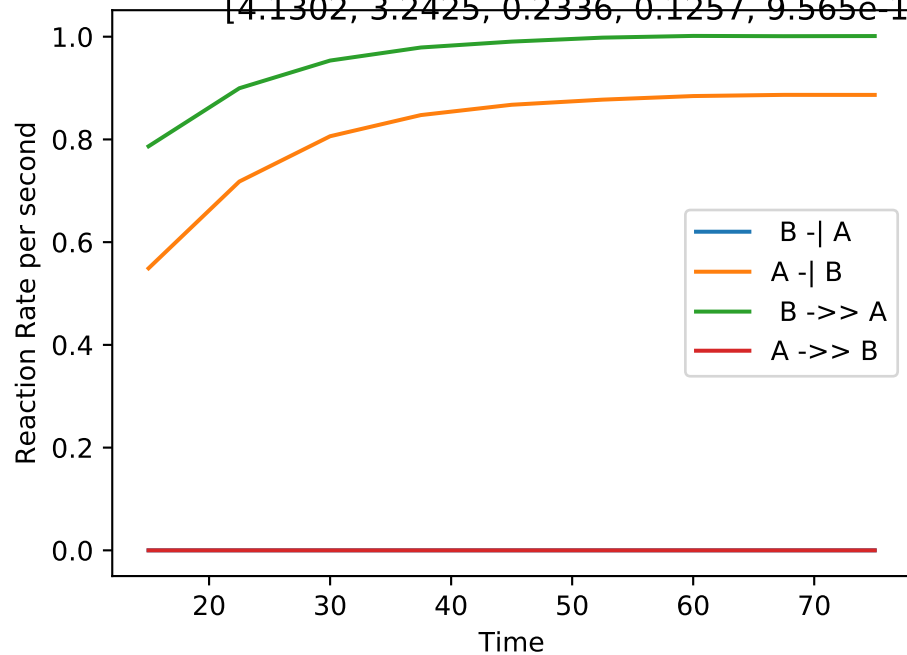
No_up | NLLA No_up(#130):

[4.0817, 4.2421, 0.1839, 0.2005, 3.287e-17, 3.589e-21, 0.0000, 0.0816, 0.0900, 0.0043]



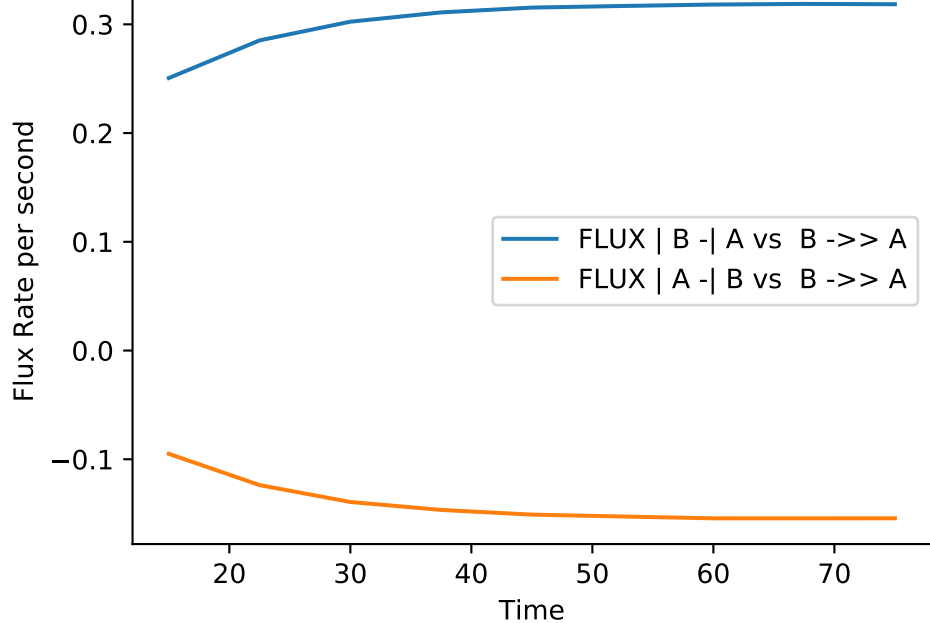
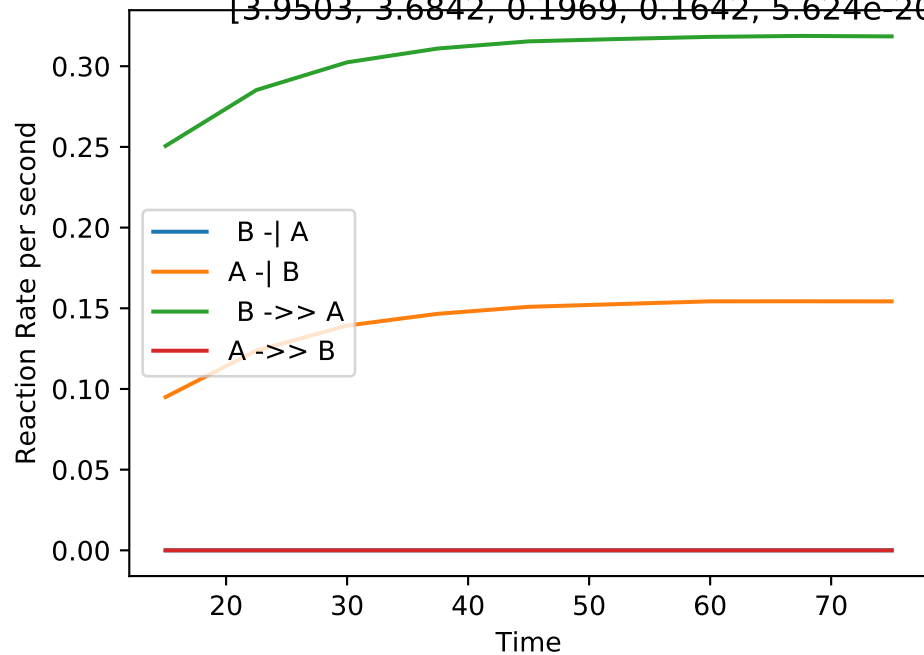
No_up | NLLA No_up(#131):

[4.1302, 3.2425, 0.2336, 0.1257, 9.565e-17, 0.0005569, 0.0251, 0.1048, 0.0667, 0.0000]



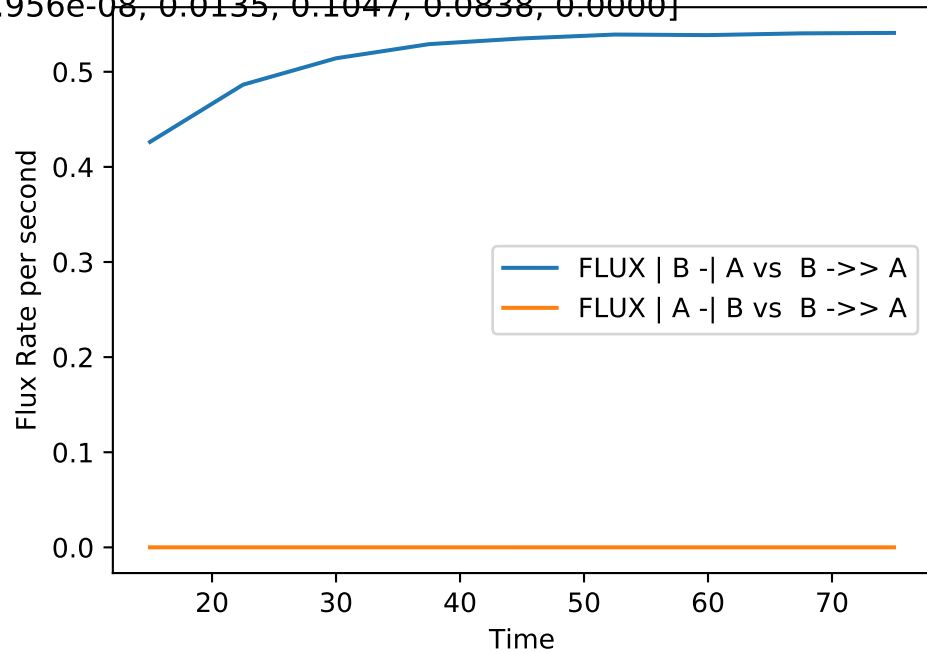
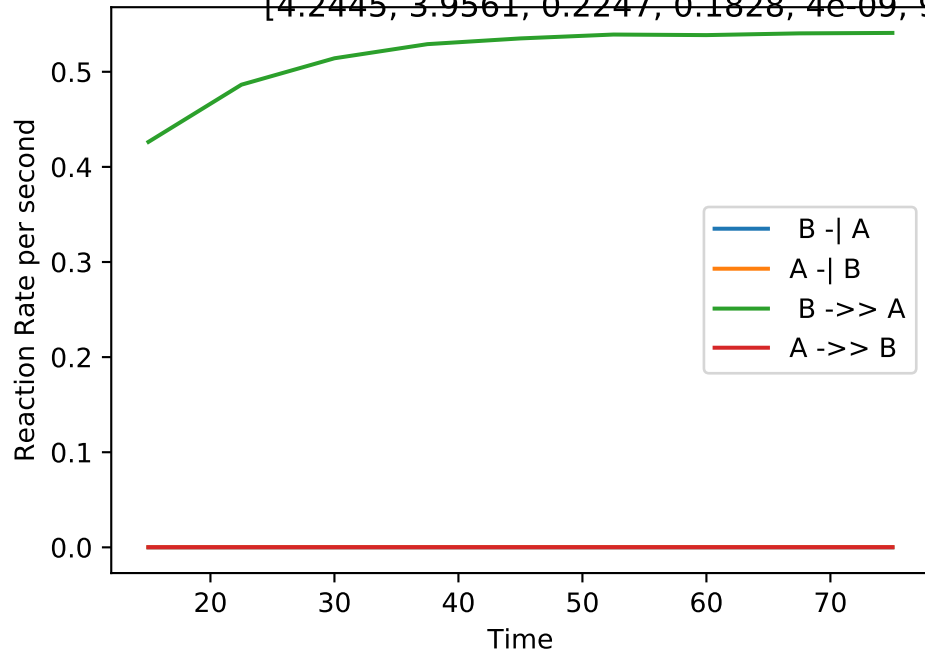
No_up | NLLA No_up(#132):

[3.9503, 3.6842, 0.1969, 0.1642, 5.624e-20, 9.649e-05, 0.0080, 0.0902, 0.0760, 0.0000]



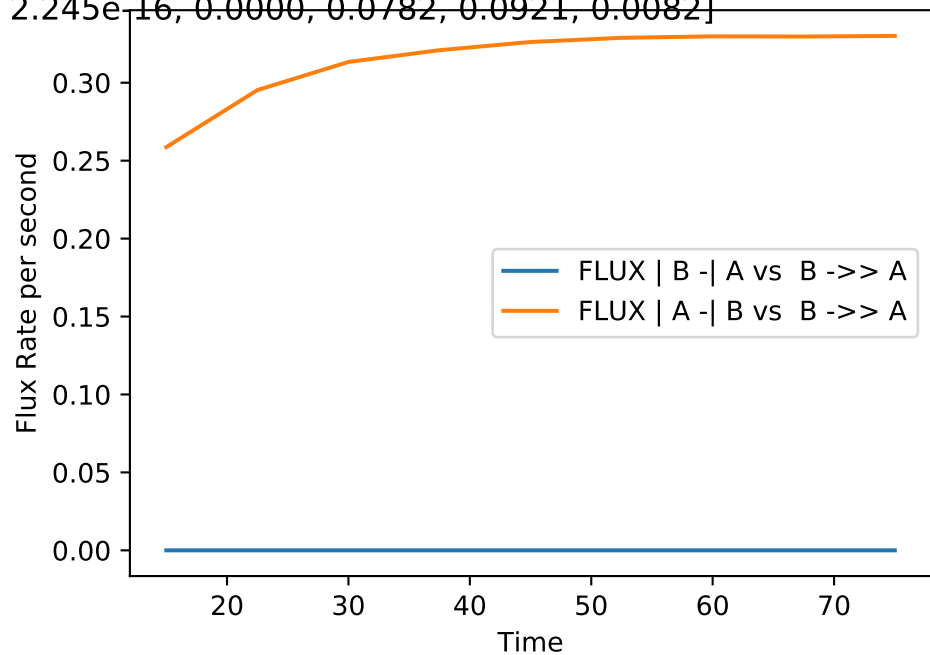
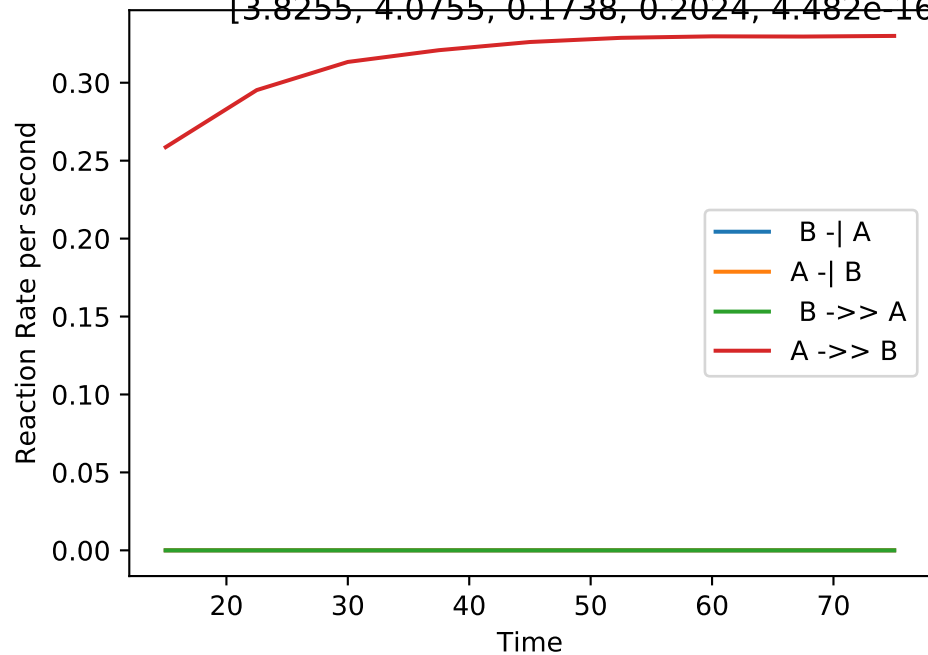
No_up | NLLA No_up(#133):

[4.2445, 3.9561, 0.2247, 0.1828, 4e-09, 9.956e-08, 0.0135, 0.1047, 0.0838, 0.0000]



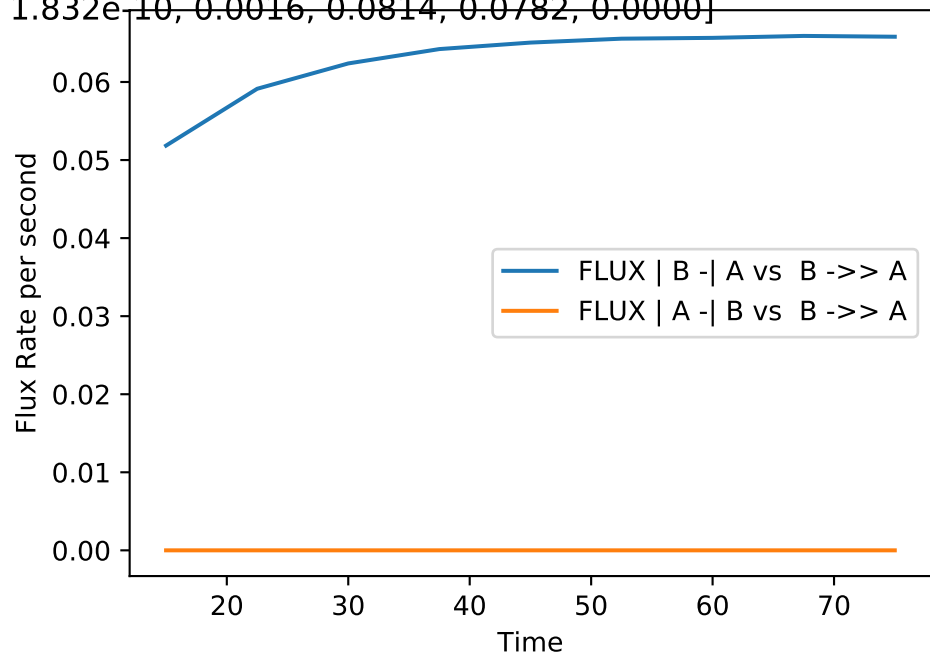
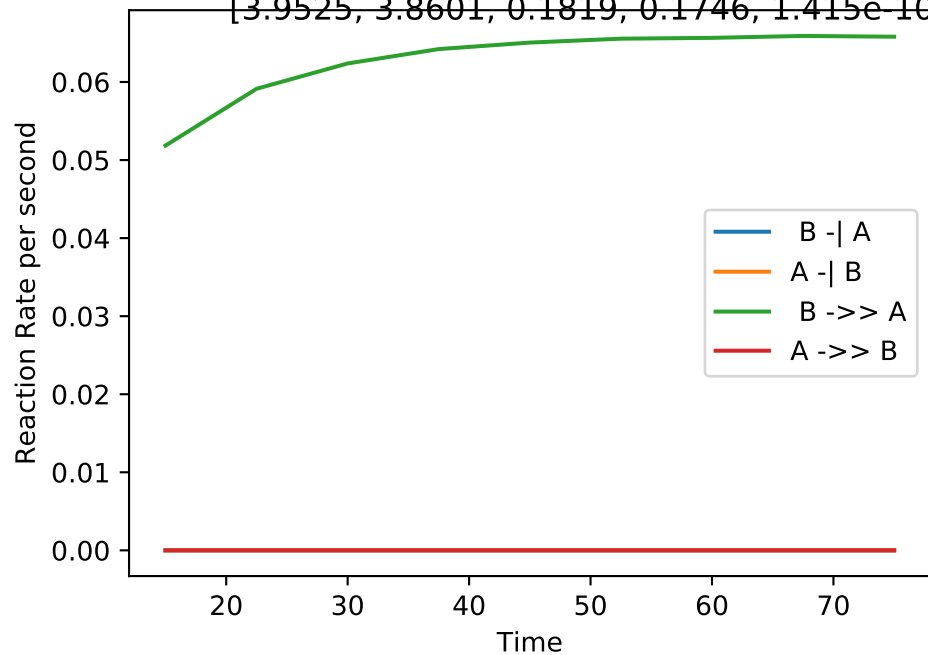
No_up | NLLA No_up(#134):

[3.8255, 4.0755, 0.1738, 0.2024, 4.482e-16, 2.245e-16, 0.0000, 0.0782, 0.0921, 0.0082]



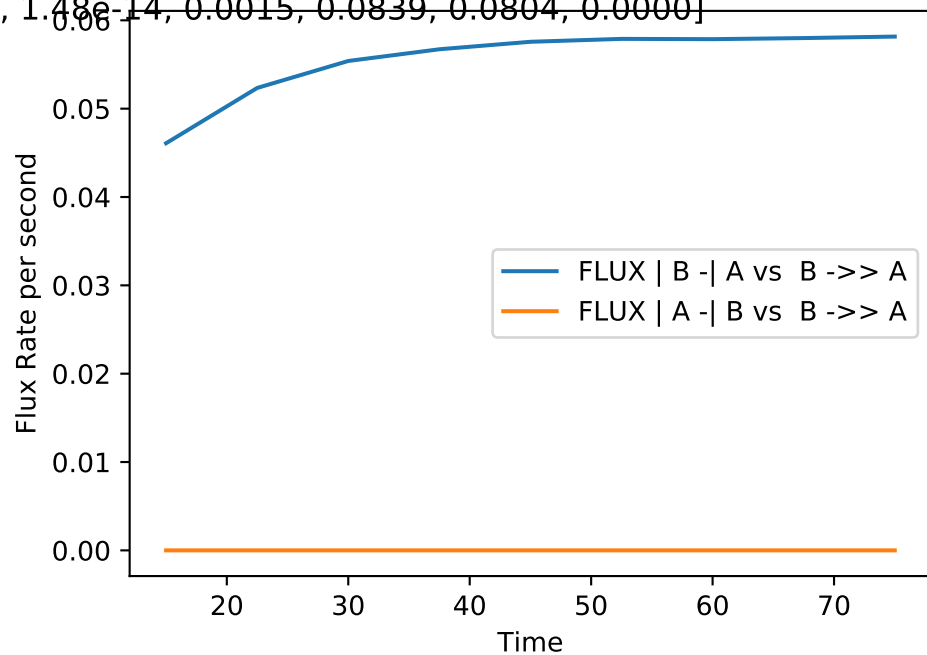
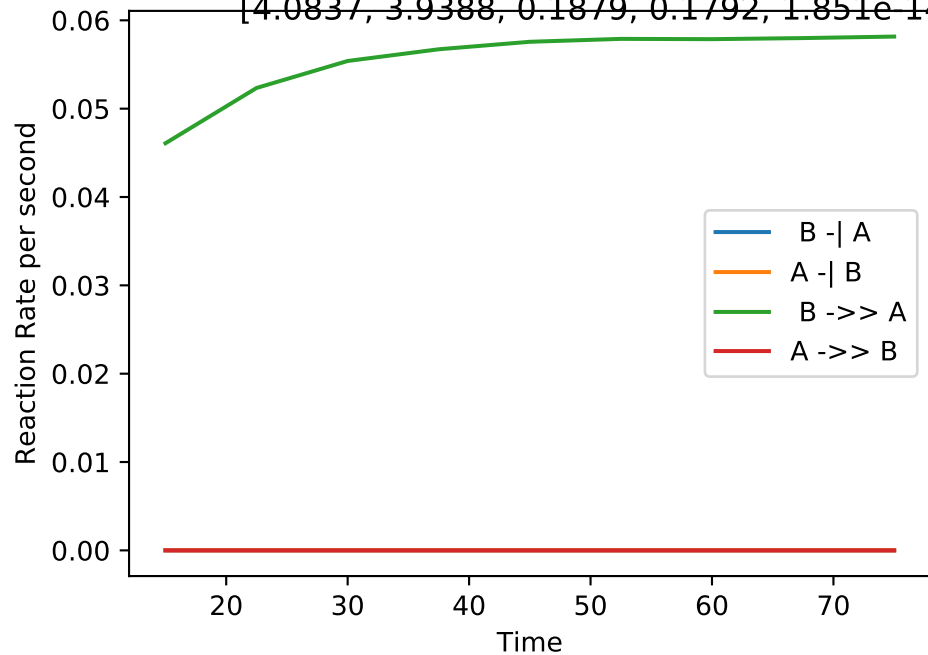
No_up | NLLA No_up(#135):

[3.9525, 3.8601, 0.1819, 0.1746, 1.415e-10, 1.832e-10, 0.0016, 0.0814, 0.0782, 0.0000]



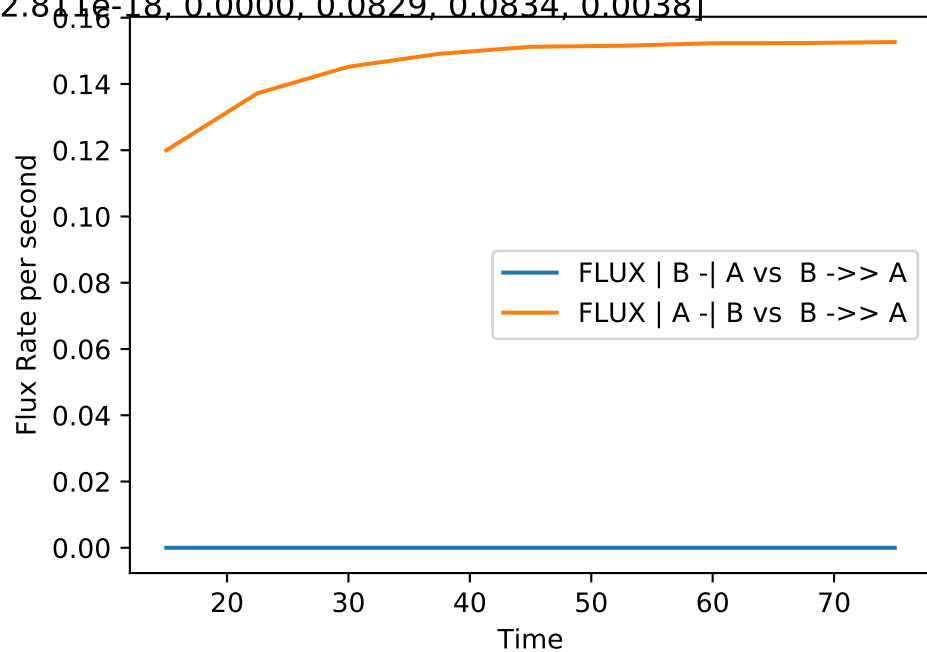
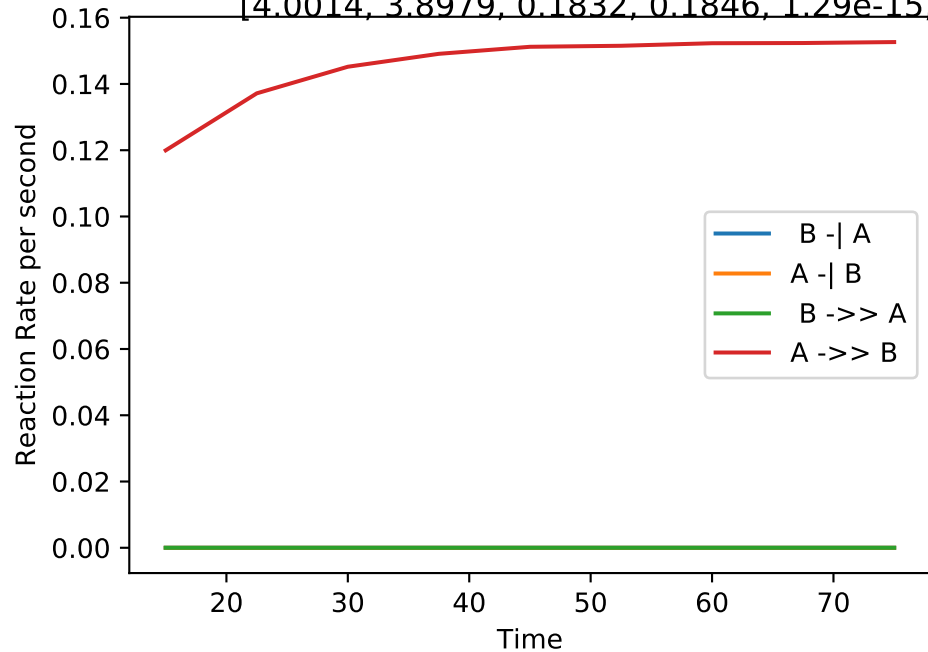
No_up | NLLA No_up(#136):

[4.0837, 3.9388, 0.1879, 0.1792, 1.851e-14, 1.48e-14, 0.0015, 0.0839, 0.0804, 0.0000]



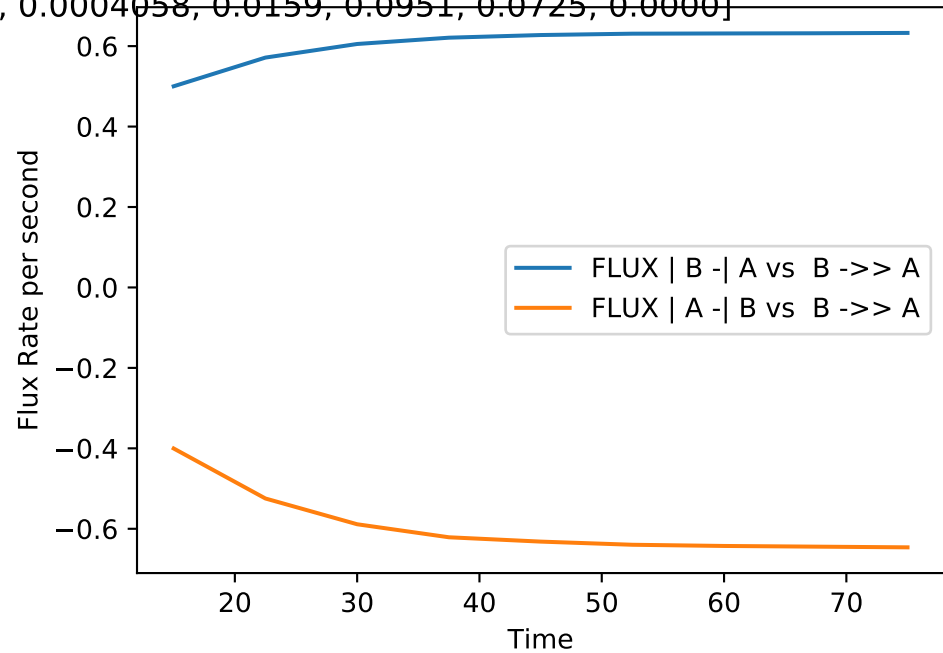
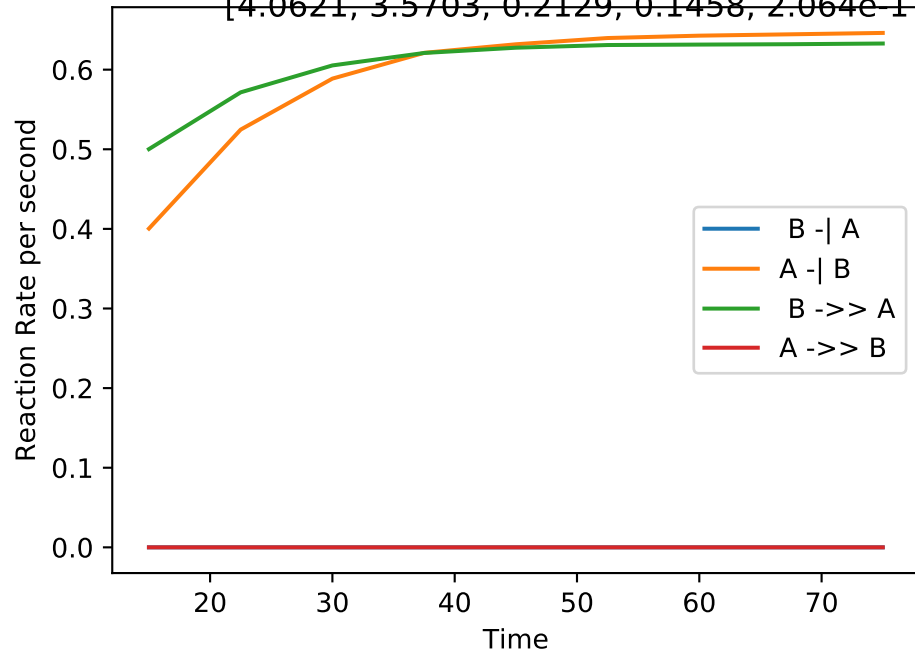
No_up | NLLA No_up(#137):

[4.0014, 3.8979, 0.1832, 0.1846, 1.29e-15, 2.811e-18, 0.0000, 0.0829, 0.0834, 0.0038]



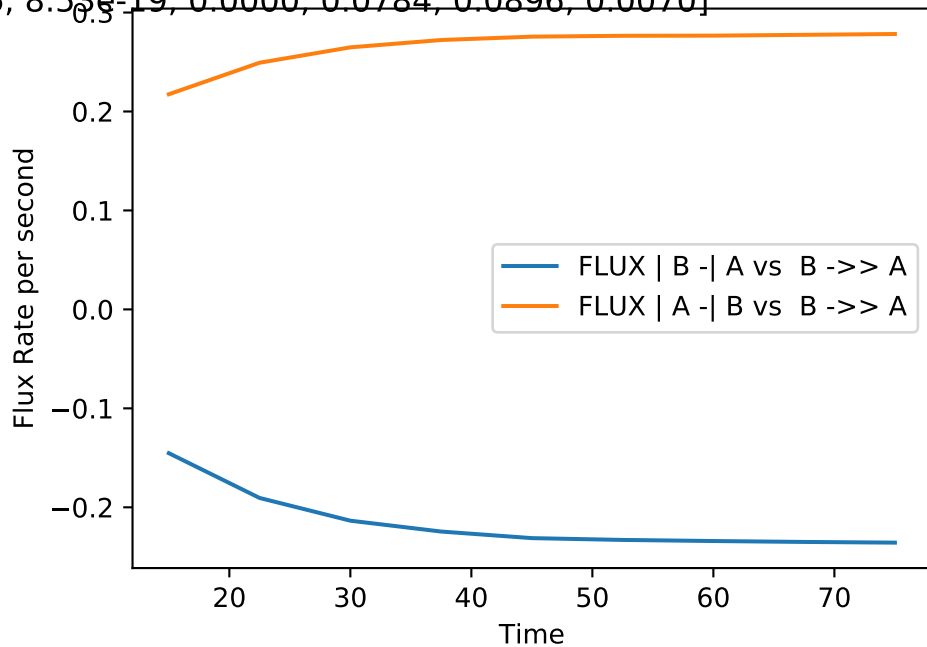
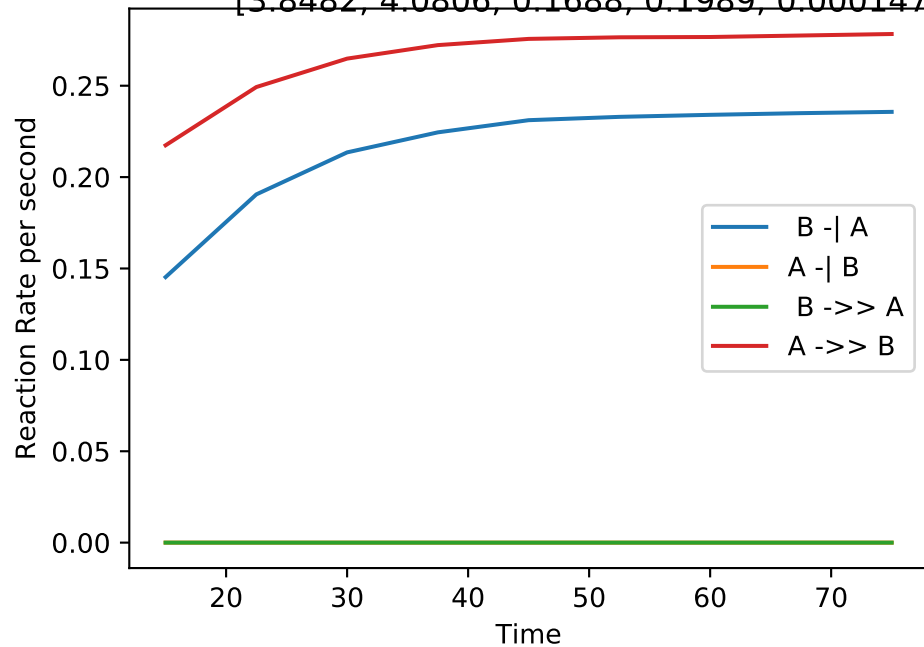
No_up | NLLA No_up(#138):

[4.0621, 3.5703, 0.2129, 0.1458, 2.064e-17, 0.0004058, 0.0159, 0.0951, 0.0725, 0.0000]



No_up | NLLA No_up(#139):

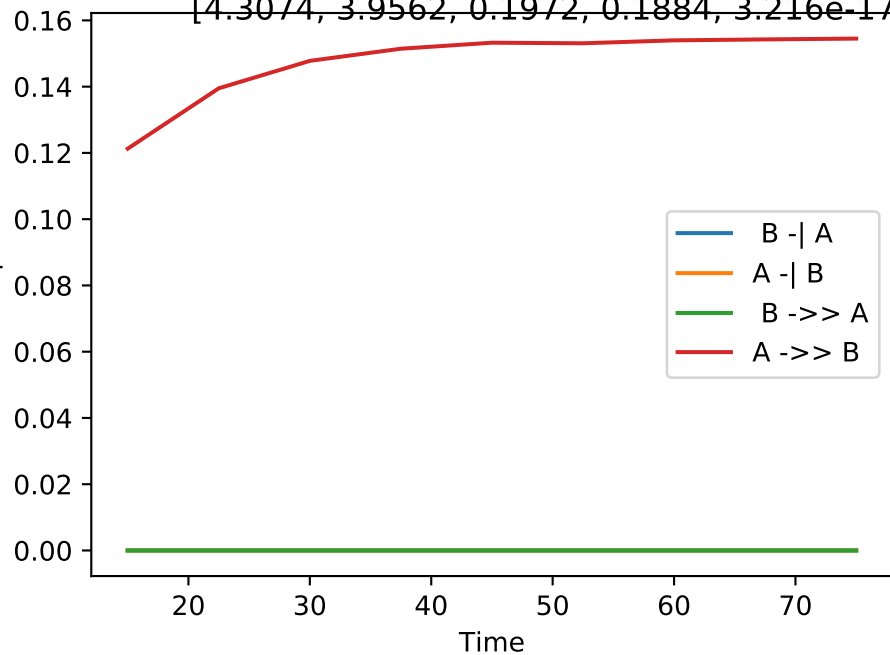
[3.8482, 4.0806, 0.1688, 0.1989, 0.0001476, 8.53e-19, 0.0000, 0.0784, 0.0896, 0.0070]



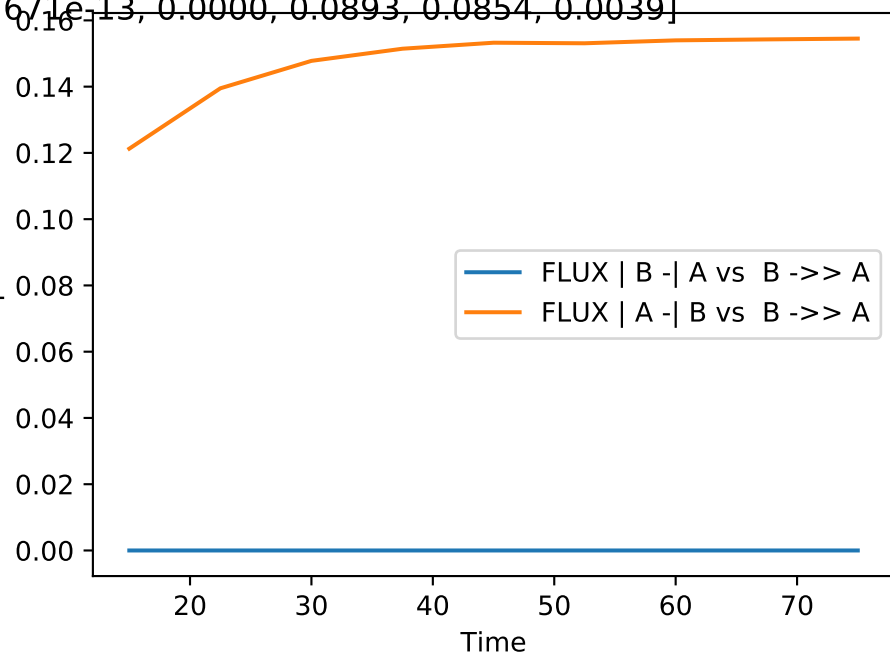
No_up | NLLA No_up(#140):

[4.3074, 3.9562, 0.1972, 0.1884, 3.216e-17, 1.671e-13, 0.0000, 0.0893, 0.0854, 0.0039]

Reaction Rate per second

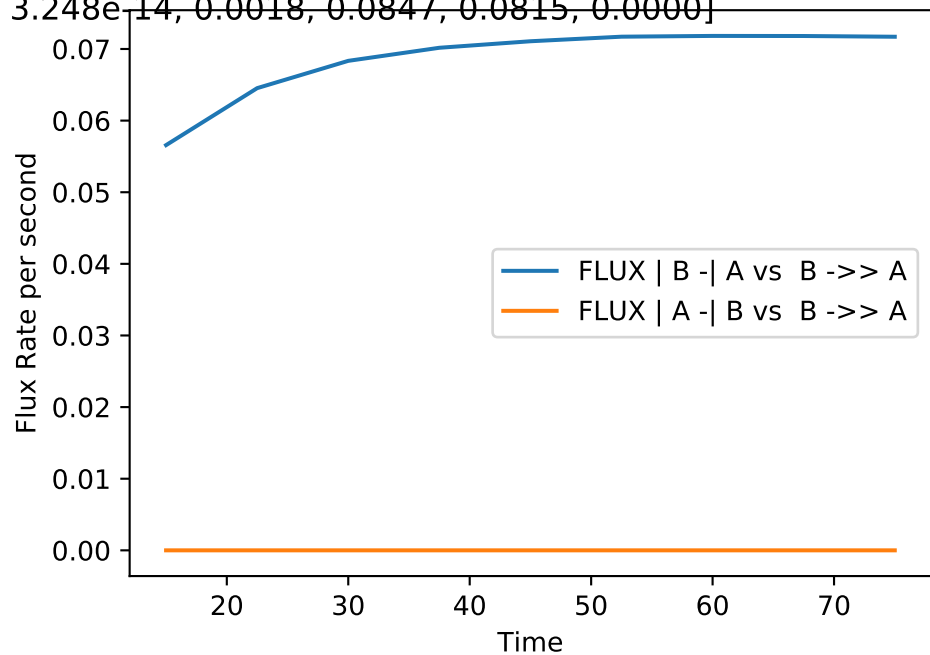
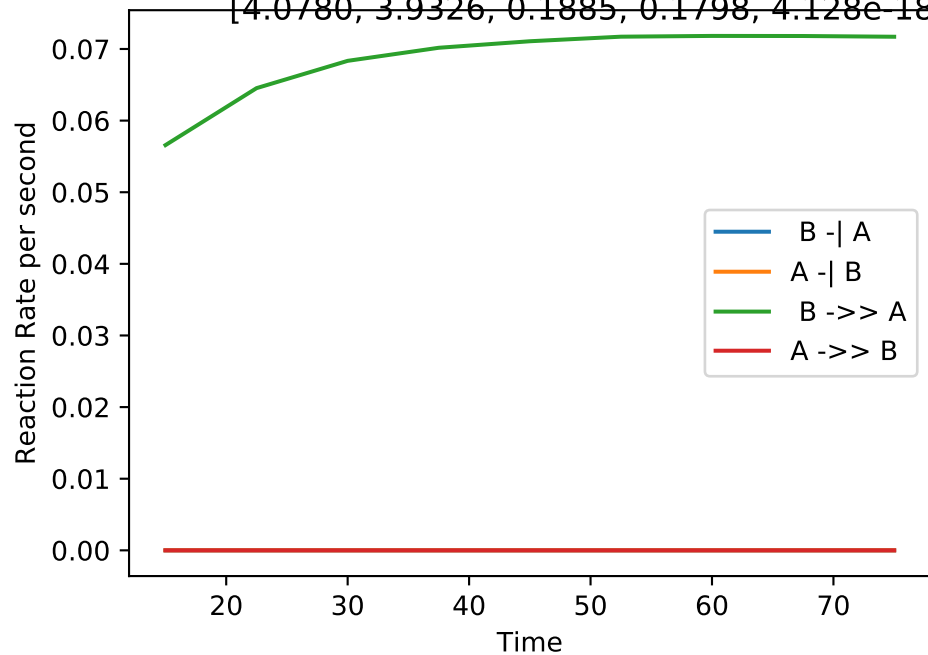


Flux Rate per second



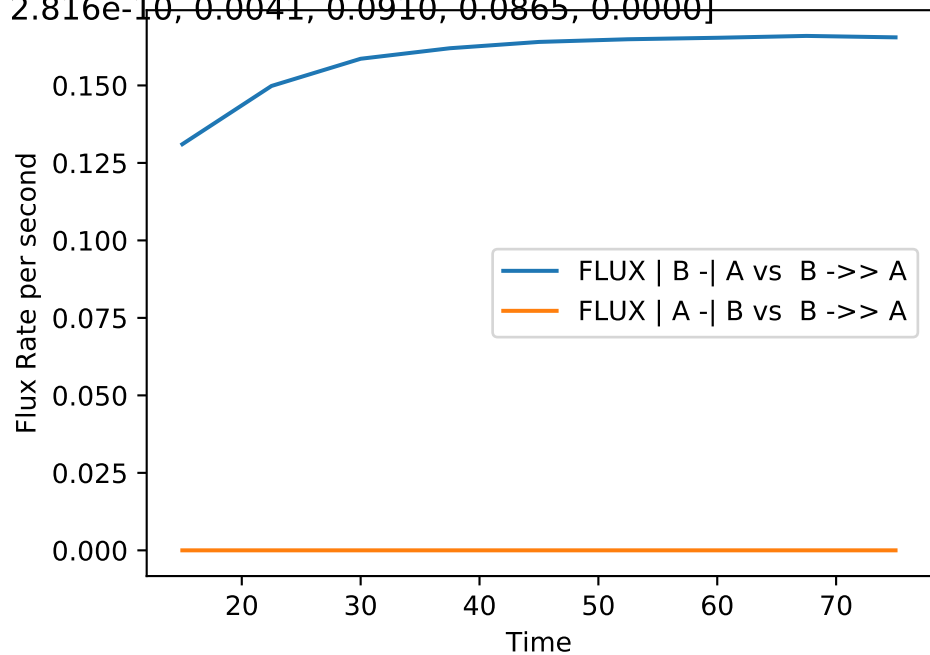
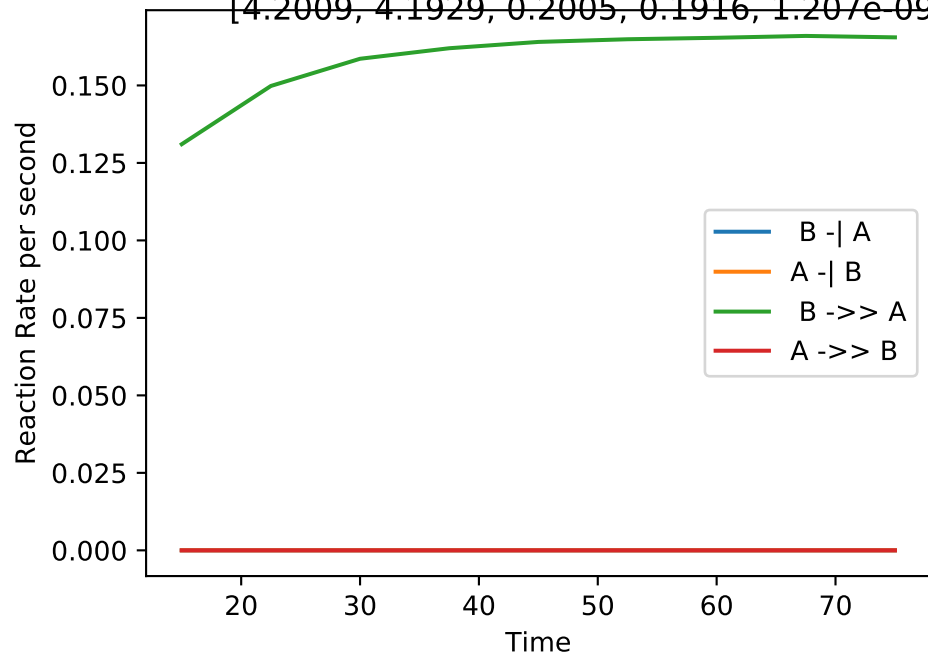
No_up | NLLA No_up(#141):

[4.0780, 3.9326, 0.1885, 0.1798, 4.128e-18, 3.248e-14, 0.0018, 0.0847, 0.0815, 0.0000]



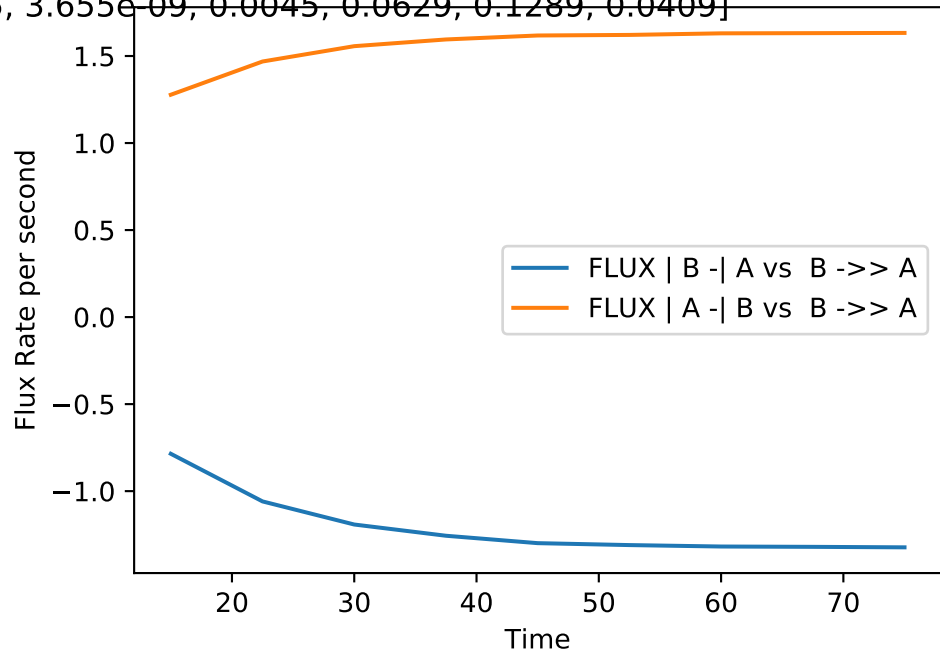
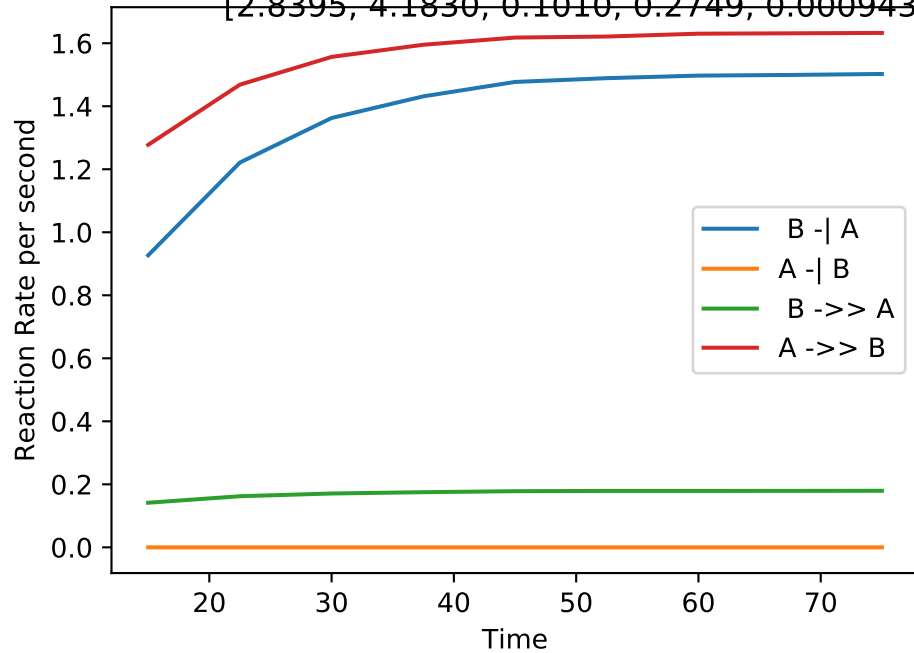
No_up | NLLA No_up(#142):

[4.2009, 4.1929, 0.2005, 0.1916, 1.207e-09, 2.816e-10, 0.0041, 0.0910, 0.0865, 0.0000]



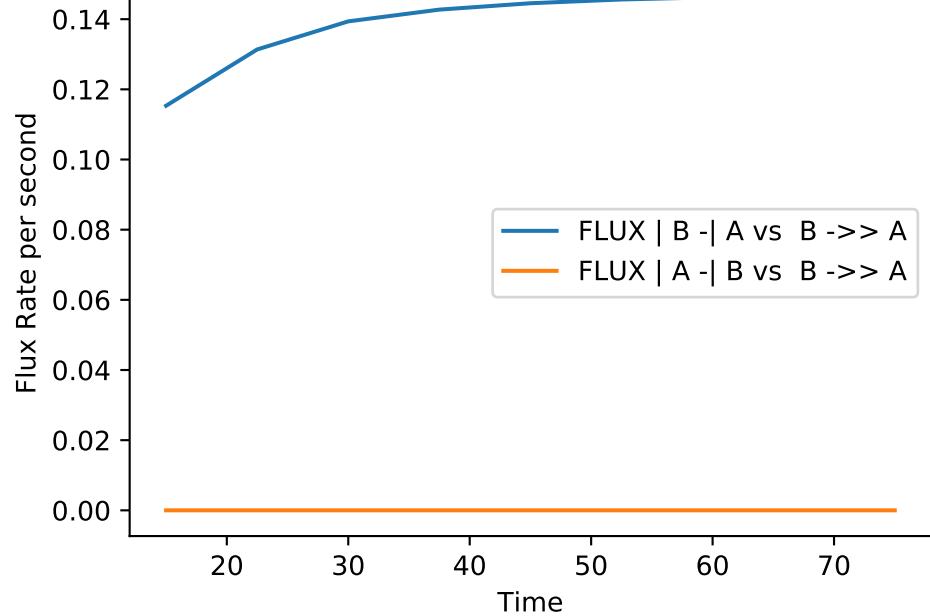
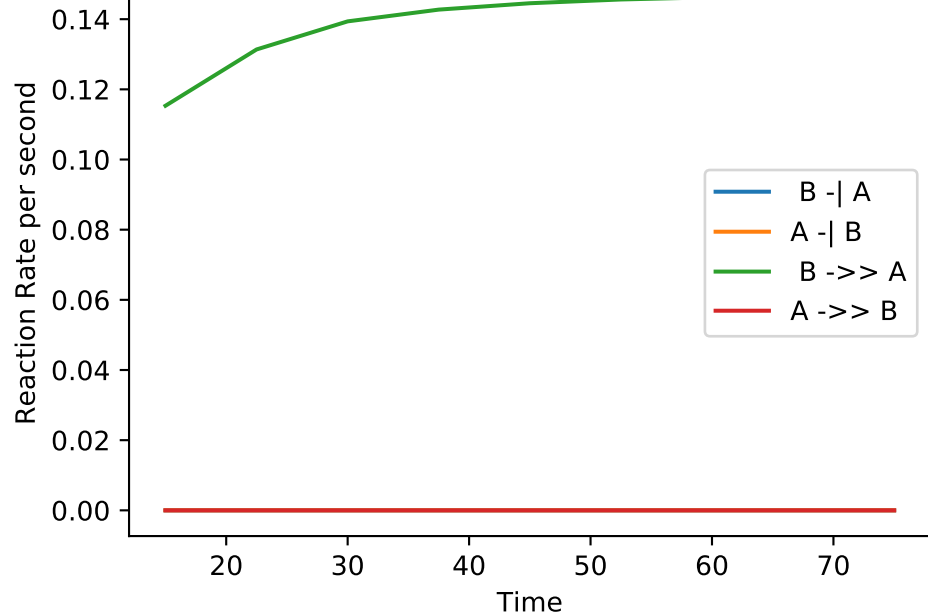
No_up | NLLA No_up(#143):

[2.8395, 4.1830, 0.1010, 0.2749, 0.0009435, 3.655e-09, 0.0045, 0.0629, 0.1289, 0.0409]



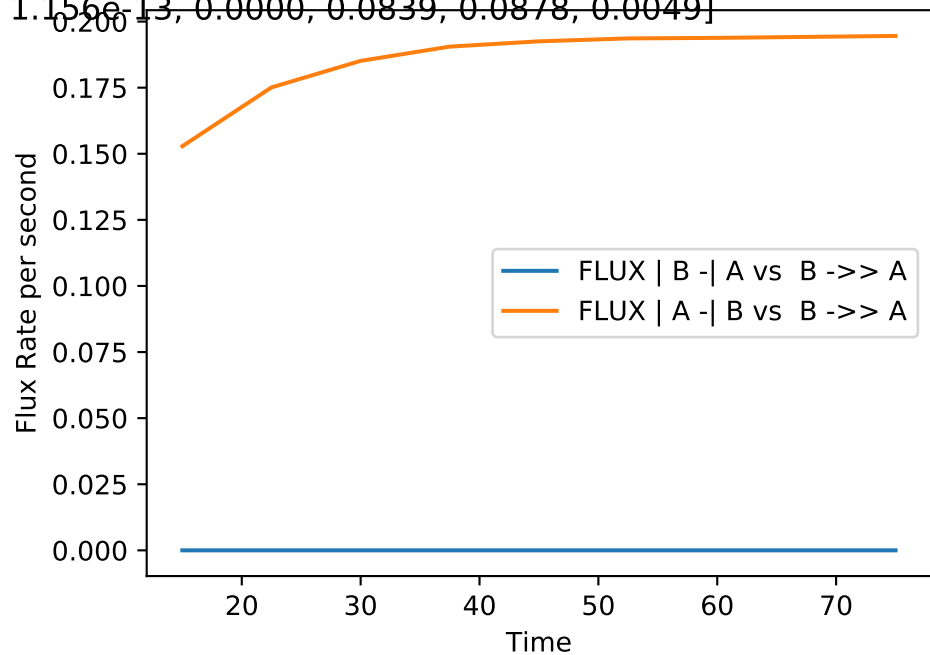
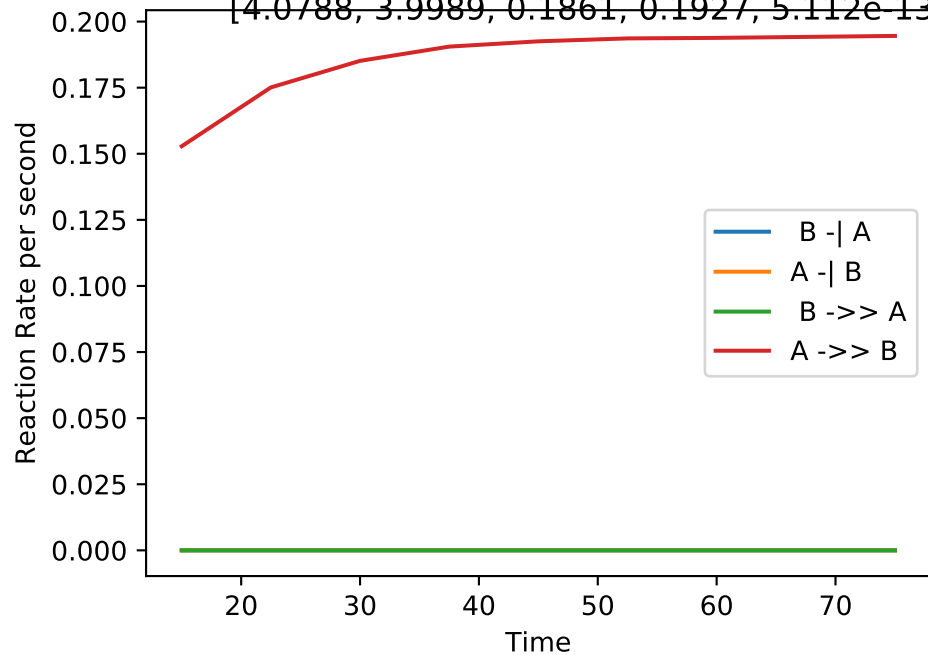
No_up | NLLA No_up(#144):

[3.9905, 3.8914, 0.1879, 0.1766, 2.797e-18, 5.457e-20, 0.0037, 0.0844, 0.0793, 0.0000]



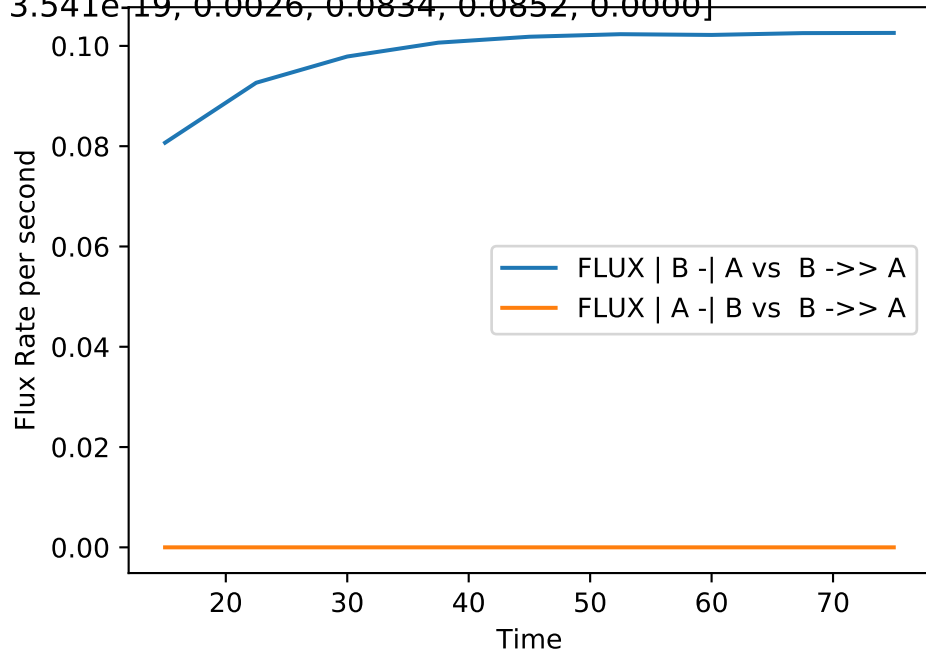
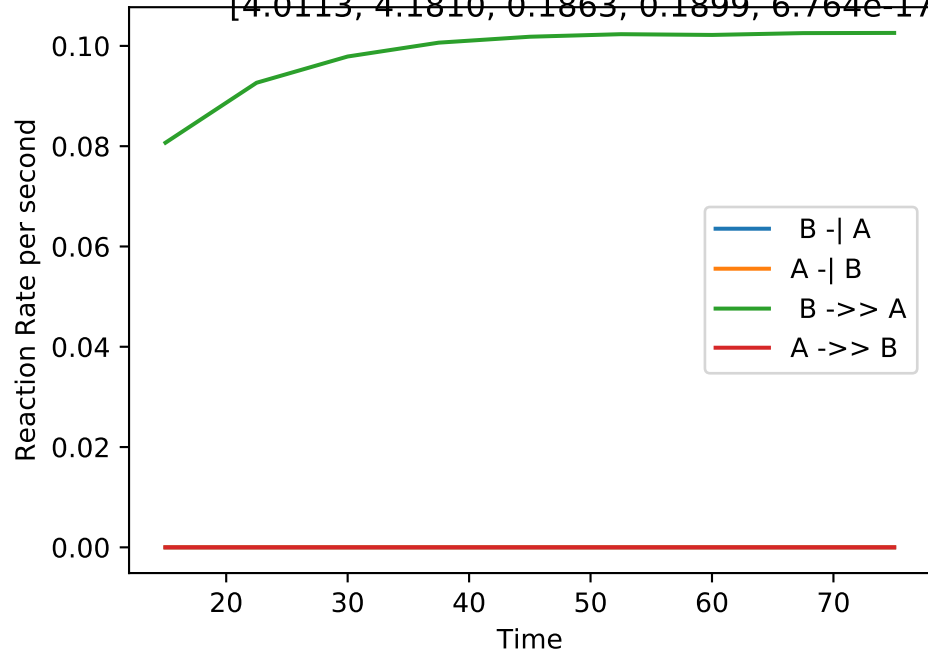
No_up | NLLA No_up(#145):

[4.0788, 3.9989, 0.1861, 0.1927, 5.112e-13, 1.156e-13, 0.0000, 0.0839, 0.0878, 0.0049]



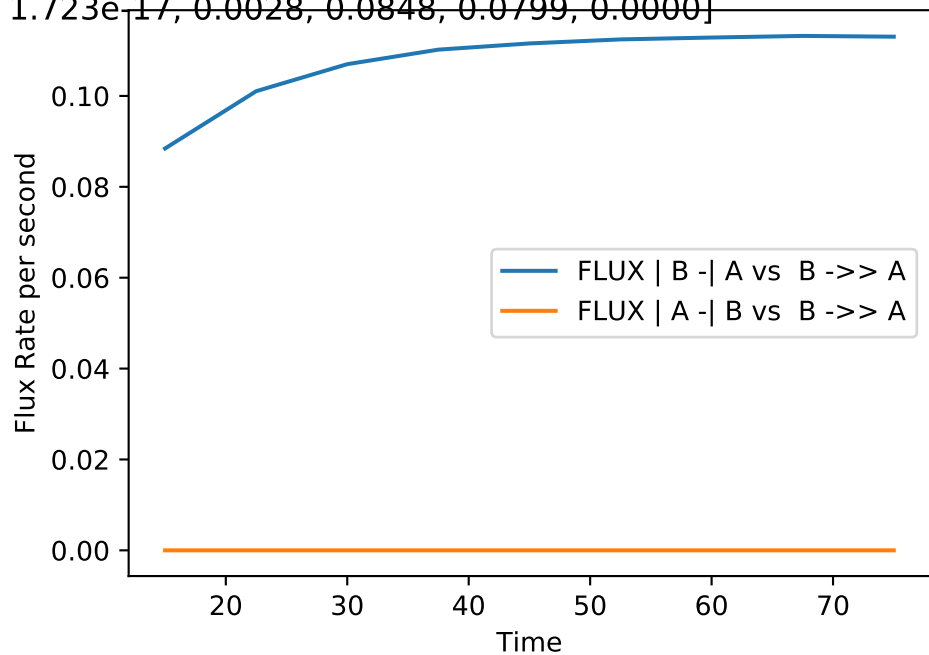
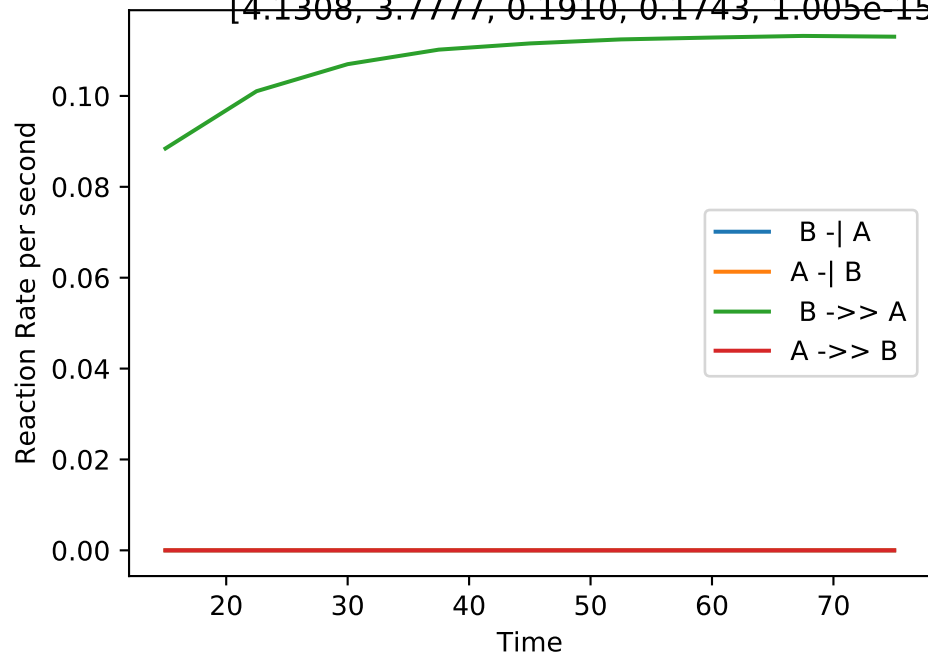
No_up | NLLA No_up(#146):

[4.0113, 4.1810, 0.1863, 0.1899, 6.764e-17, 3.541e-19, 0.0026, 0.0834, 0.0852, 0.0000]



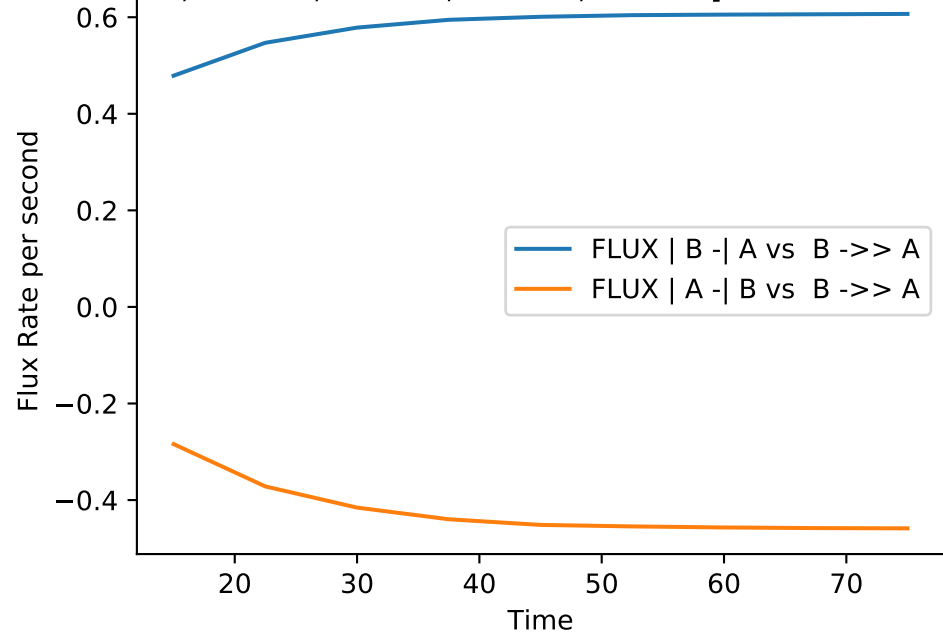
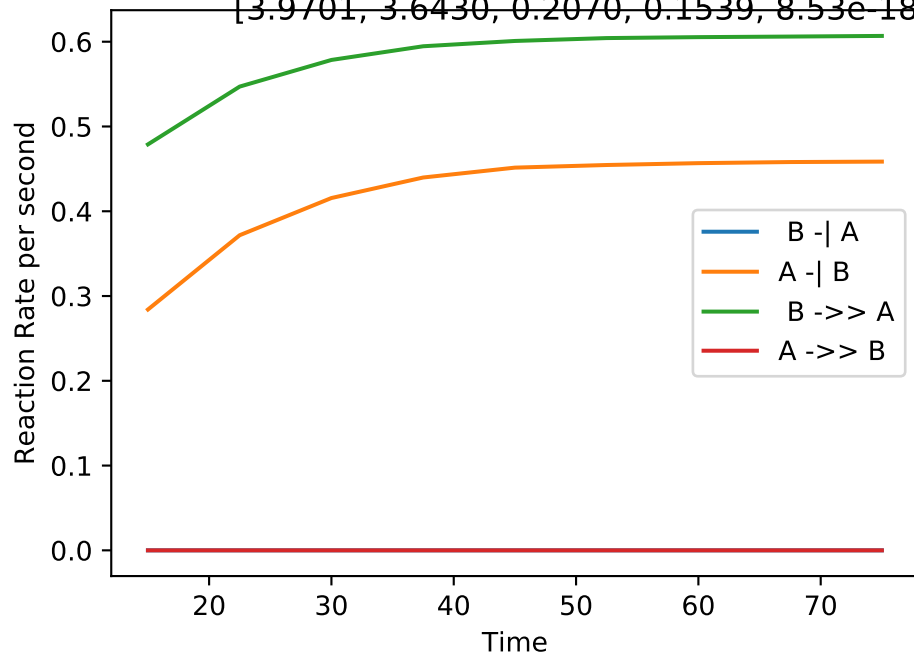
No_up | NLLA No_up(#147):

[4.1308, 3.7777, 0.1910, 0.1743, 1.005e-15, 1.723e-17, 0.0028, 0.0848, 0.0799, 0.0000]



No_up | NLLA No_up(#148):

[3.9701, 3.6430, 0.2070, 0.1539, 8.53e-18, 0.0002871, 0.0152, 0.0926, 0.0742, 0.0000]



No_up | NLLA No_up(#149):

[4.2291, 4.1292, 0.1943, 0.1982, 1.059e-18, 1.225e-17, 0.0000, 0.0882, 0.0895, 0.0053]

Reaction Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

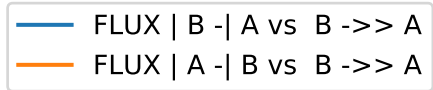
40

50

60

70

Time

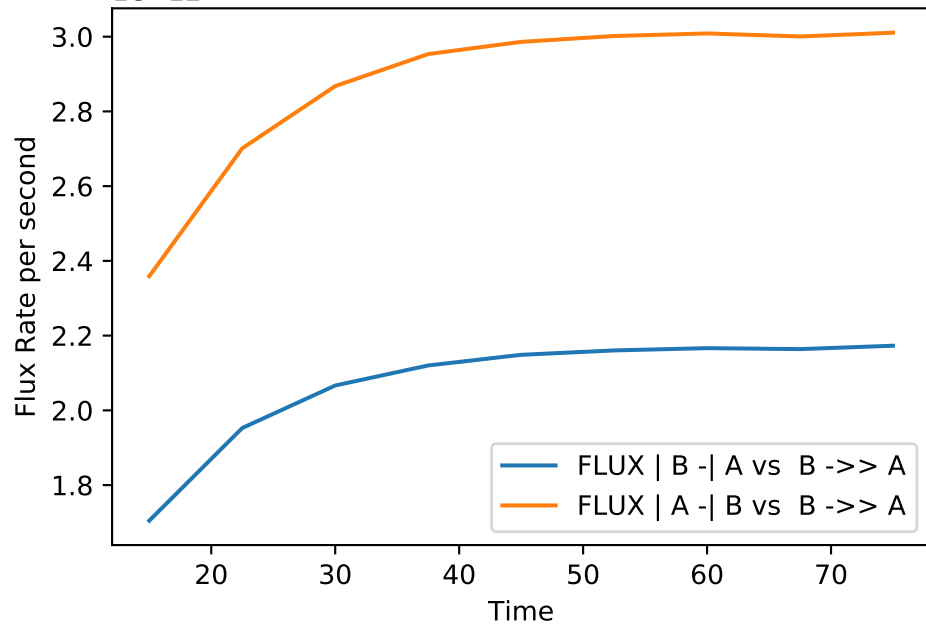
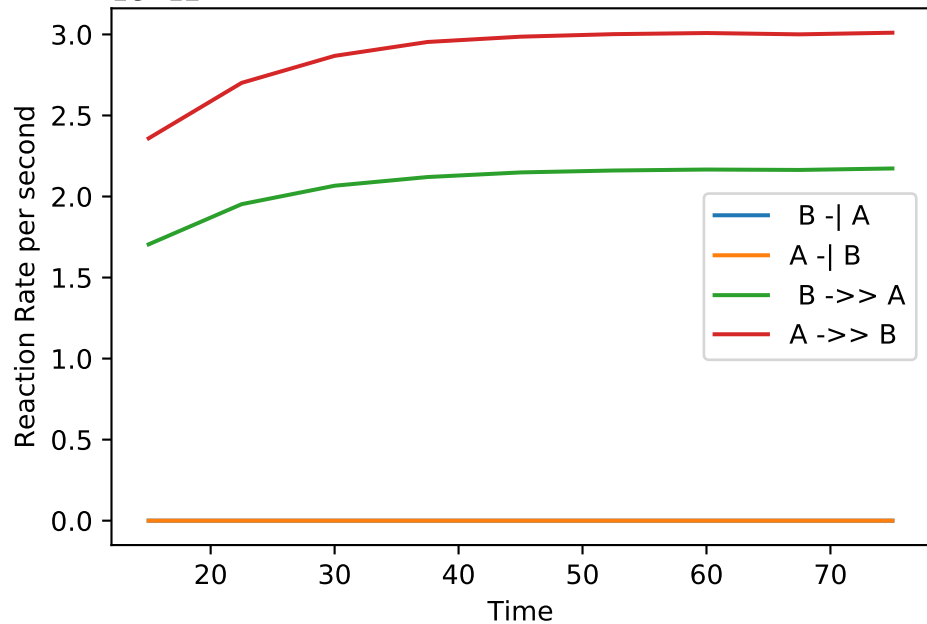


No_up | NLLA No_up(#150):

[4.0181, 4.0604, 0.1806, 0.1831, 3.46e-23, 1.368e-24, 0.0000, 0.0804, 0.0815, 0.0000]

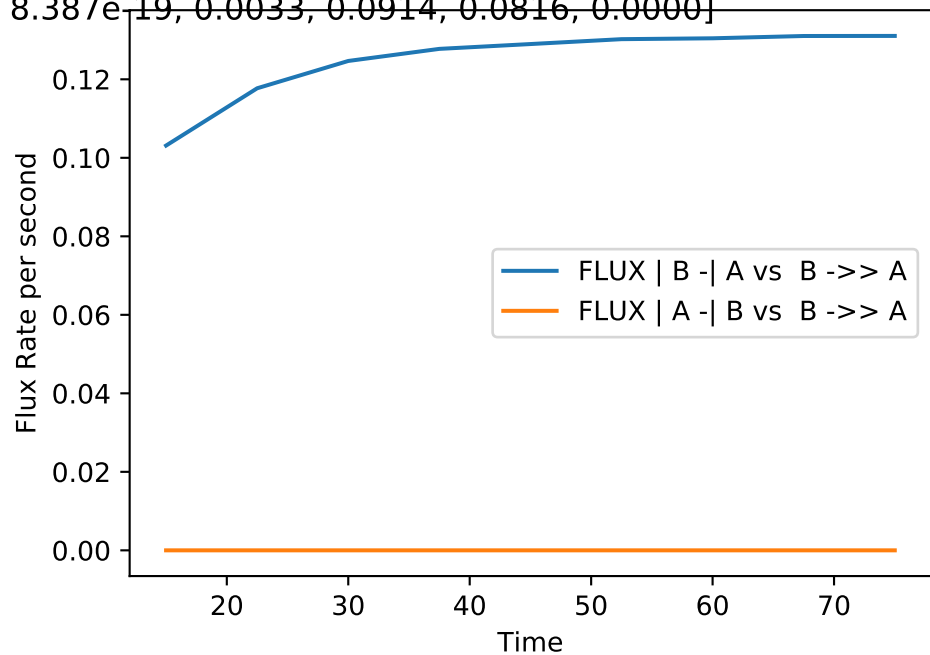
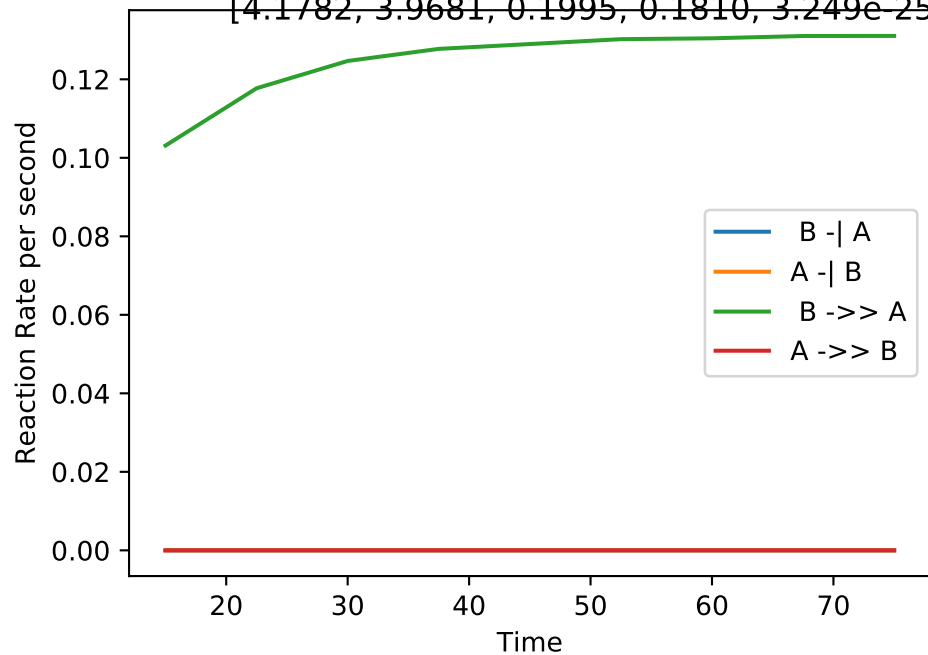
1e-12

1e-12



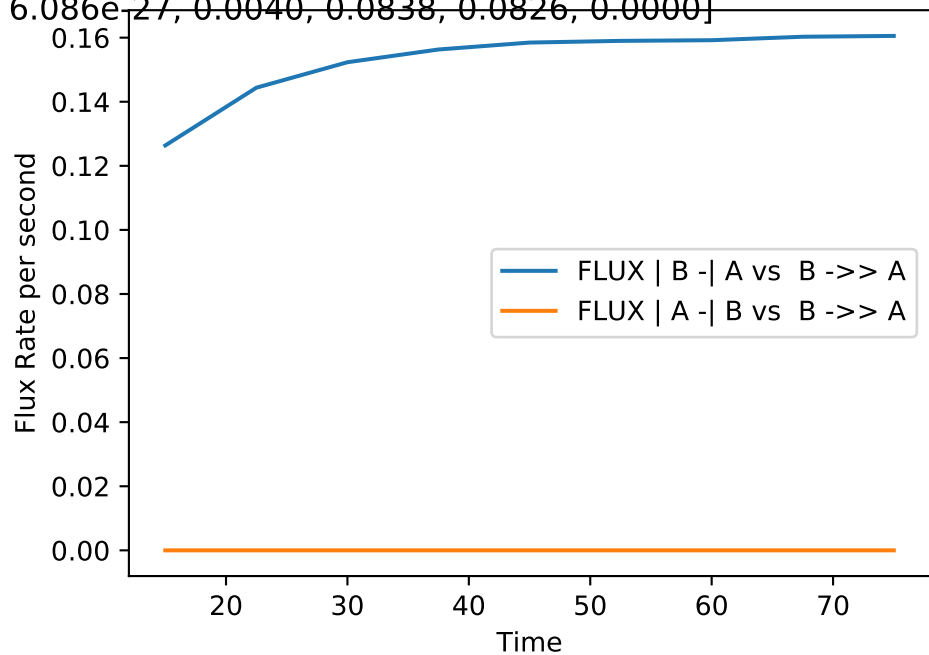
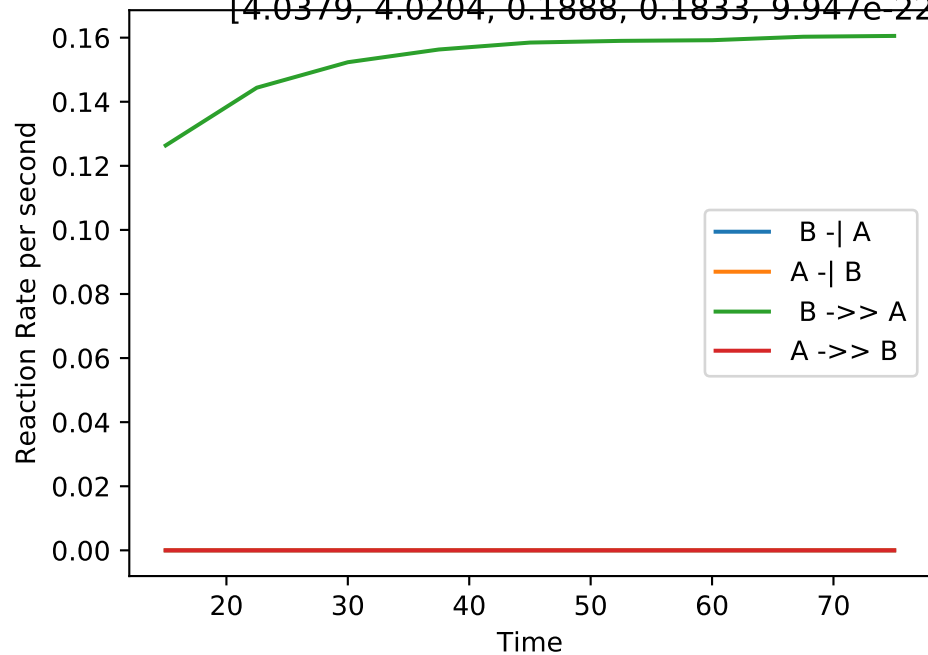
No_up | NLLA No_up(#151):

[4.1782, 3.9681, 0.1995, 0.1810, 3.249e-25, 8.387e-19, 0.0033, 0.0914, 0.0816, 0.0000]



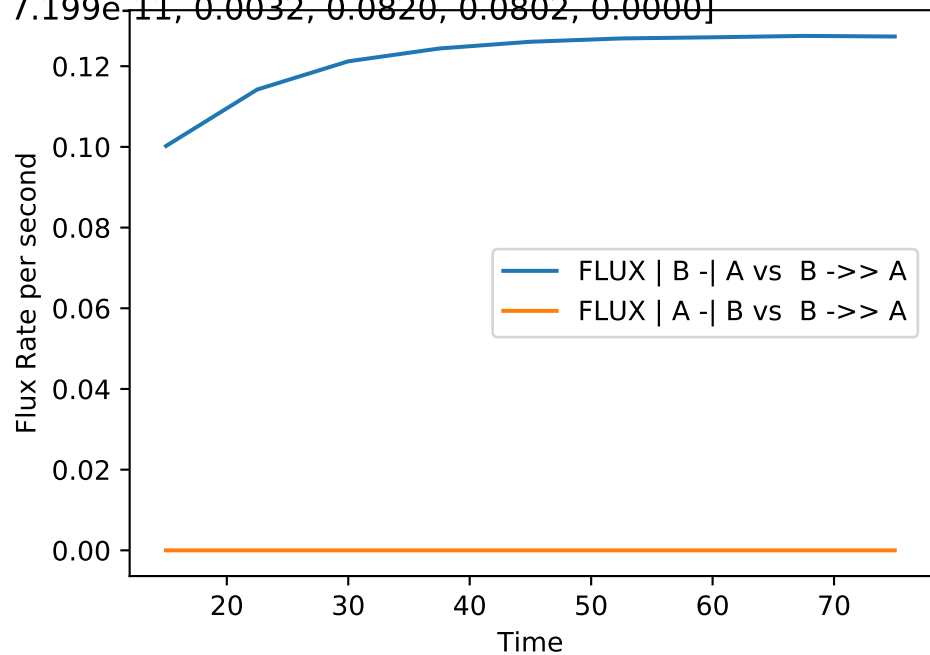
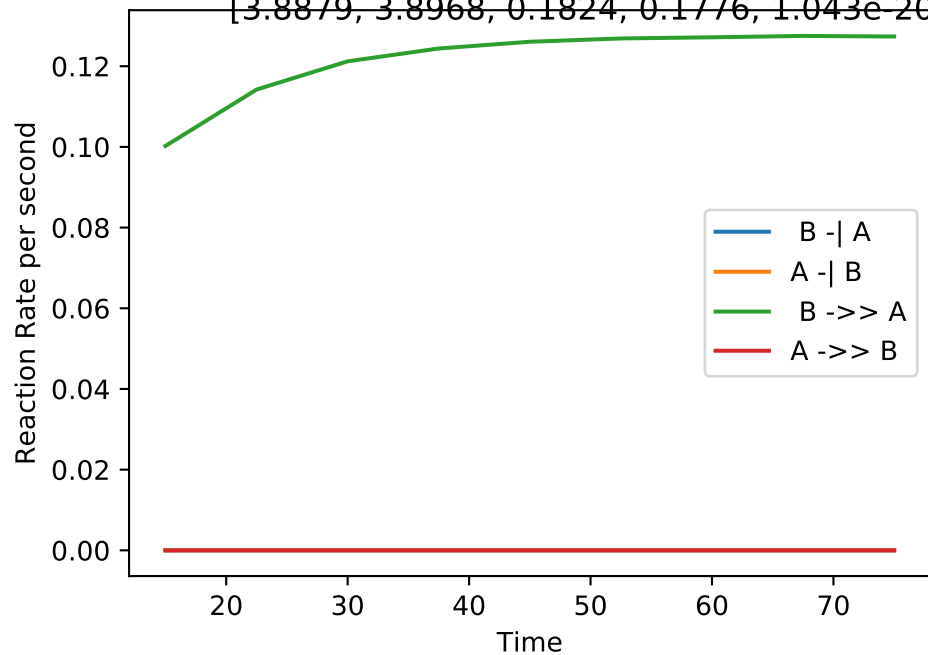
No_up | NLLA No_up(#152):

[4.0379, 4.0204, 0.1888, 0.1833, 9.947e-22, 6.086e-27, 0.0040, 0.0838, 0.0826, 0.0000]



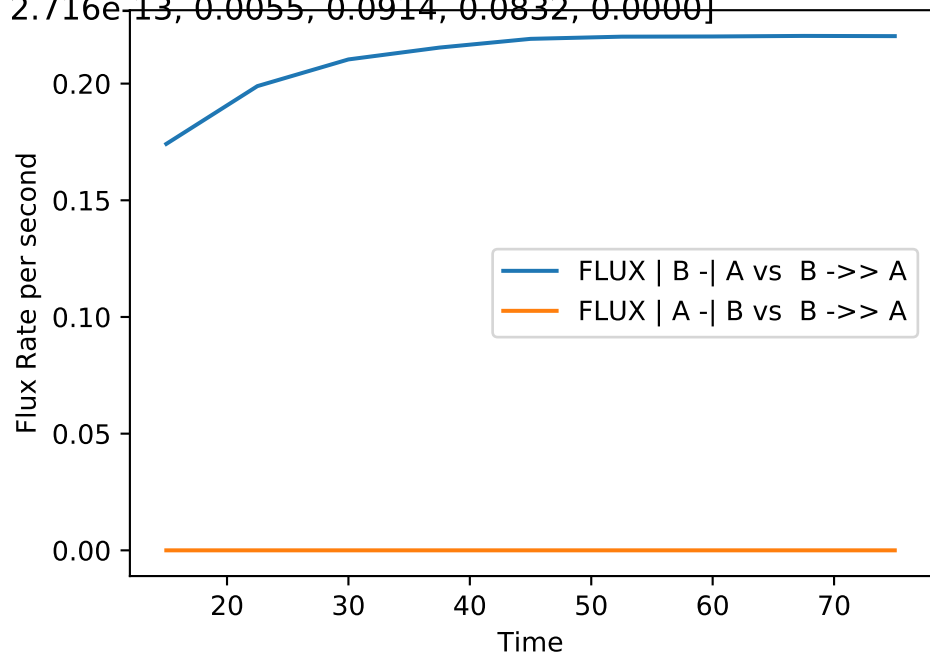
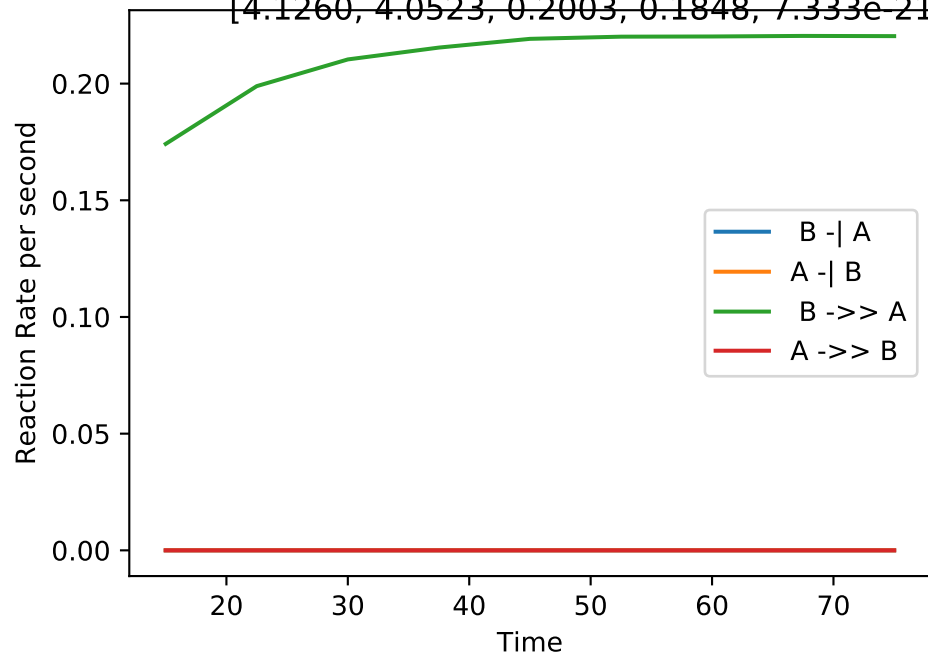
No_up | NLLA No_up(#153):

[3.8879, 3.8968, 0.1824, 0.1776, 1.043e-20, 7.199e-11, 0.0032, 0.0820, 0.0802, 0.0000]



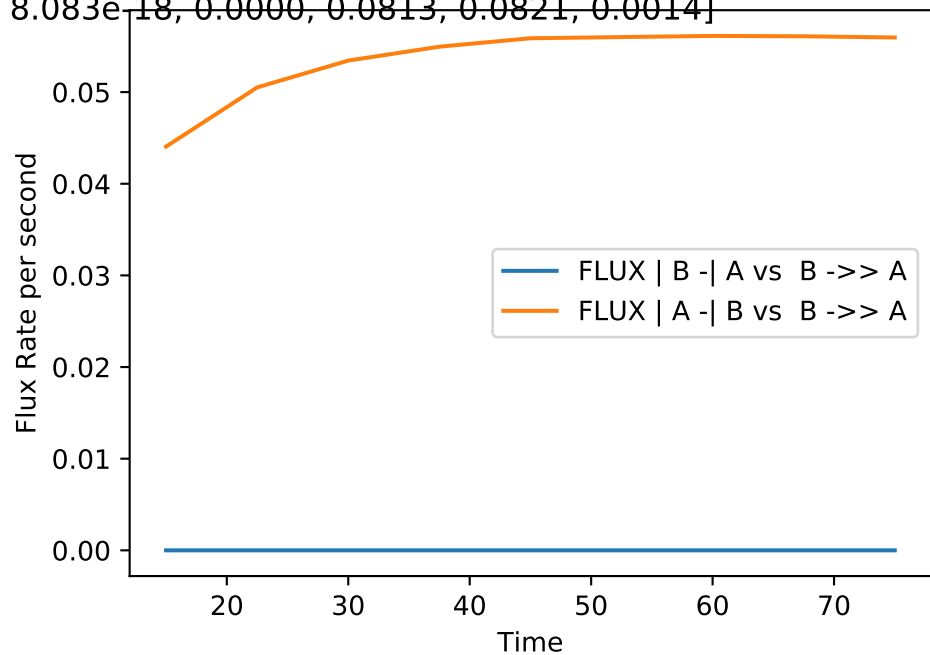
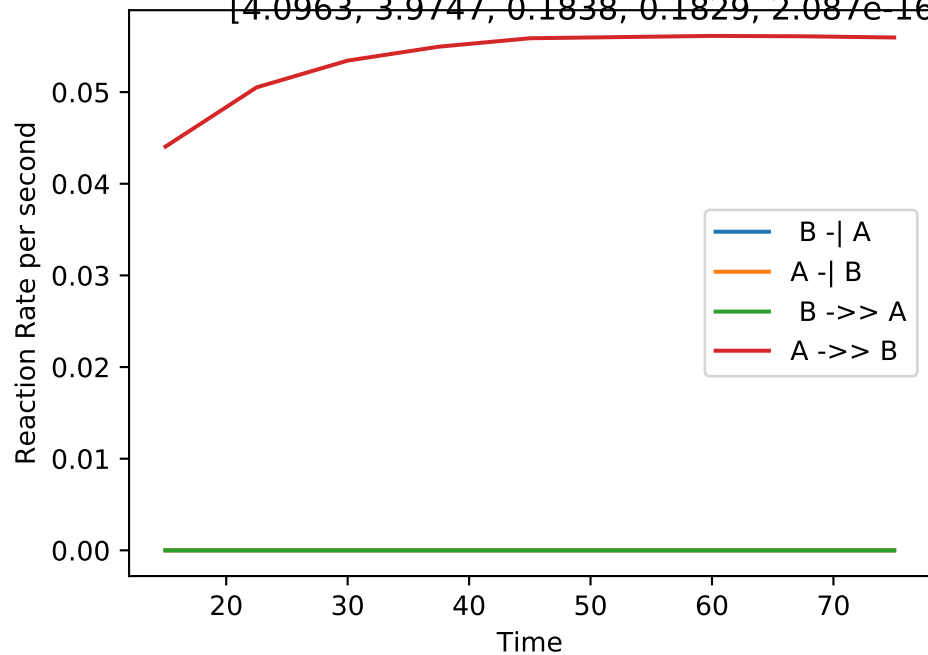
No_up | NLLA No_up(#154):

[4.1260, 4.0523, 0.2003, 0.1848, 7.333e-21, 2.716e-13, 0.0055, 0.0914, 0.0832, 0.0000]



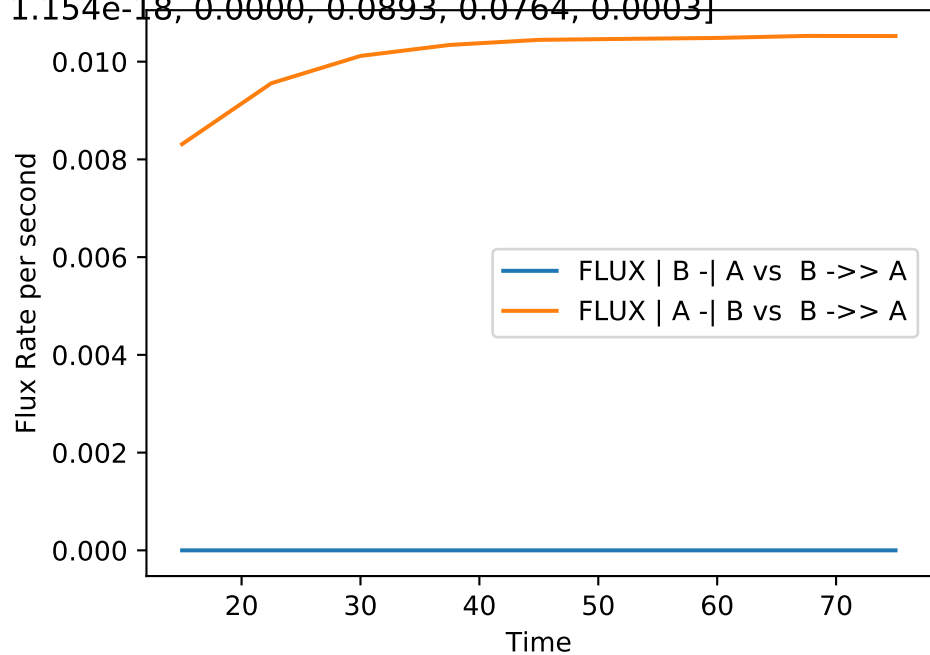
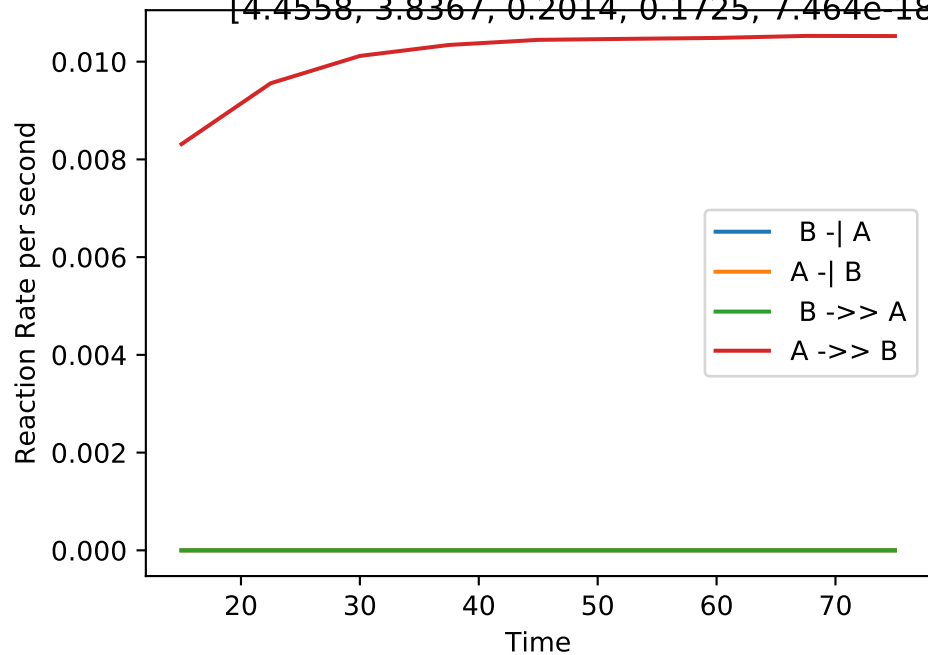
No_up | NLLA No_up(#155):

[4.0963, 3.9747, 0.1838, 0.1829, 2.087e-16, 8.083e-18, 0.0000, 0.0813, 0.0821, 0.0014]



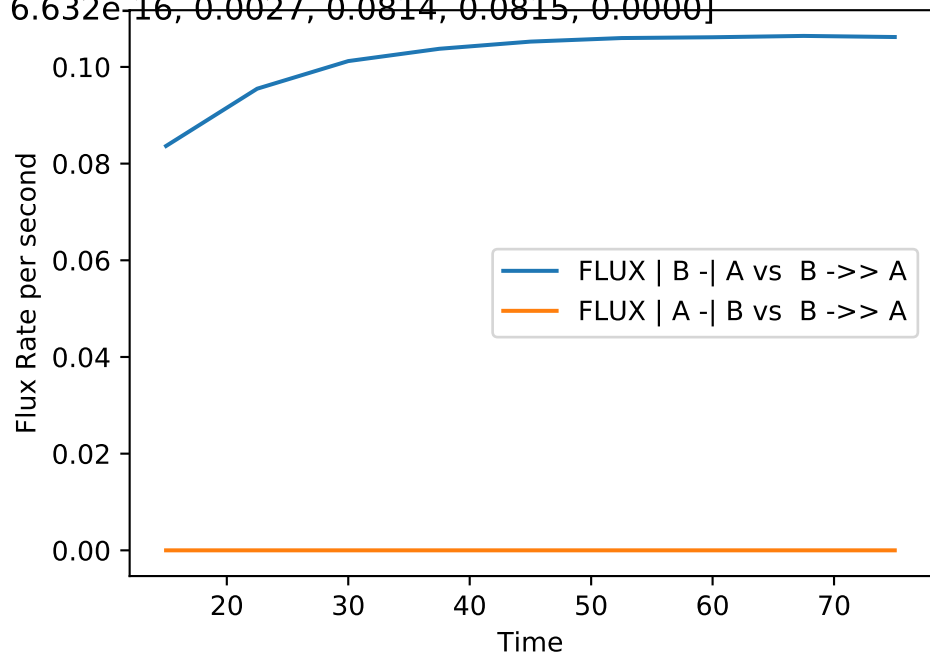
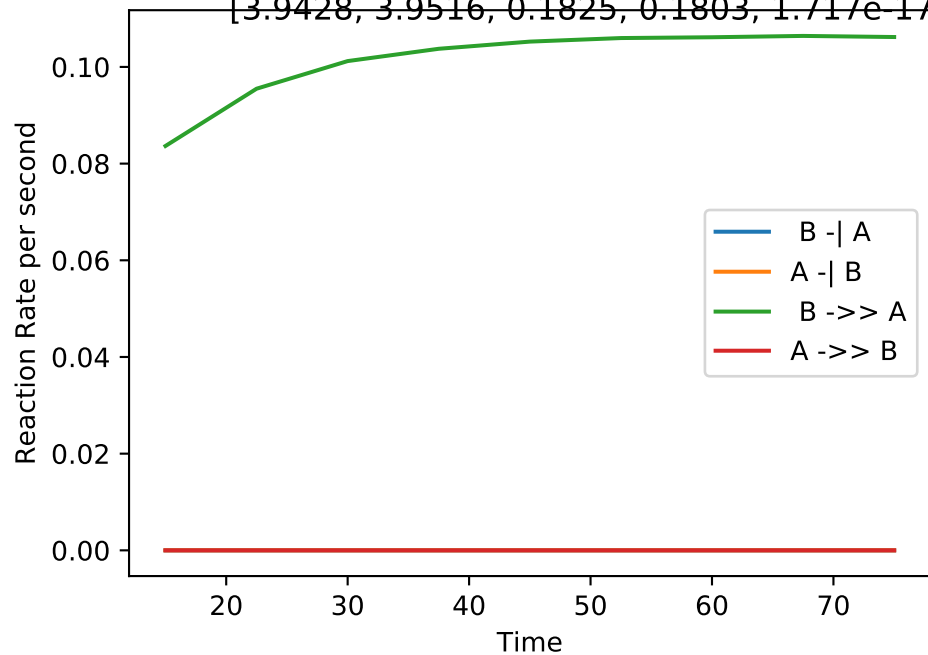
No_up | NLLA No_up(#156):

[4.4558, 3.8367, 0.2014, 0.1725, 7.464e-18, 1.154e-18, 0.0000, 0.0893, 0.0764, 0.0003]



No_up | NLLA No_up(#157):

[3.9428, 3.9516, 0.1825, 0.1803, 1.717e-17, 6.632e-16, 0.0027, 0.0814, 0.0815, 0.0000]



No_up | NLLA No_up(#158):

[4.1190, 3.9852, 0.1907, 0.2038, 1.626e-22, 1.065e-21, 0.0000, 0.0876, 0.0934, 0.0106]

Reaction Rate per second

0.4
0.3
0.2
0.1
0.0

20

30

40

50

60

70

Time

B -| A
A -| B
B ->> A
A ->> B

Flux Rate per second

0.4
0.3
0.2
0.1
0.0

20

30

40

50

60

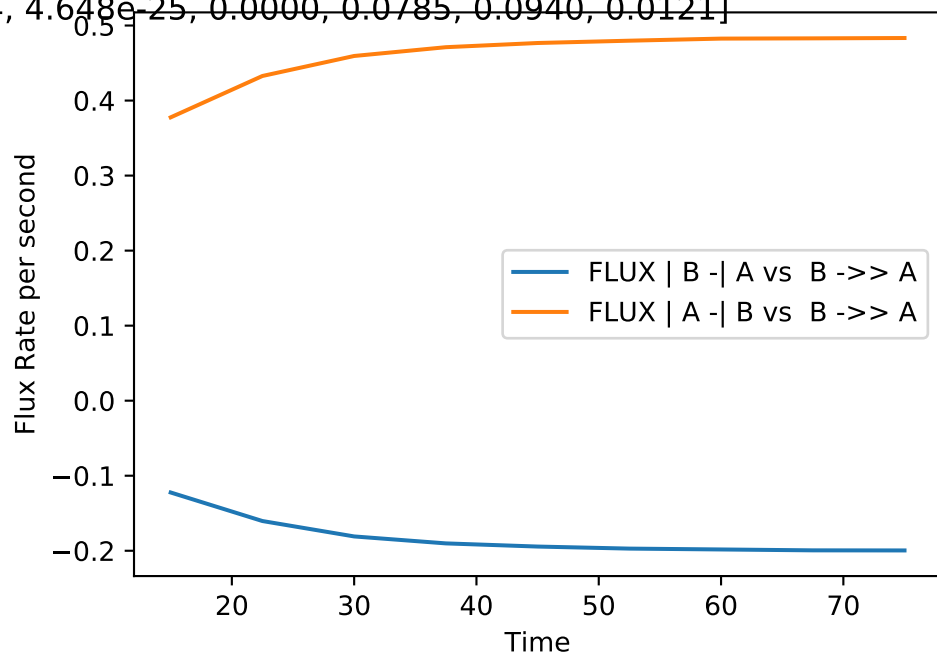
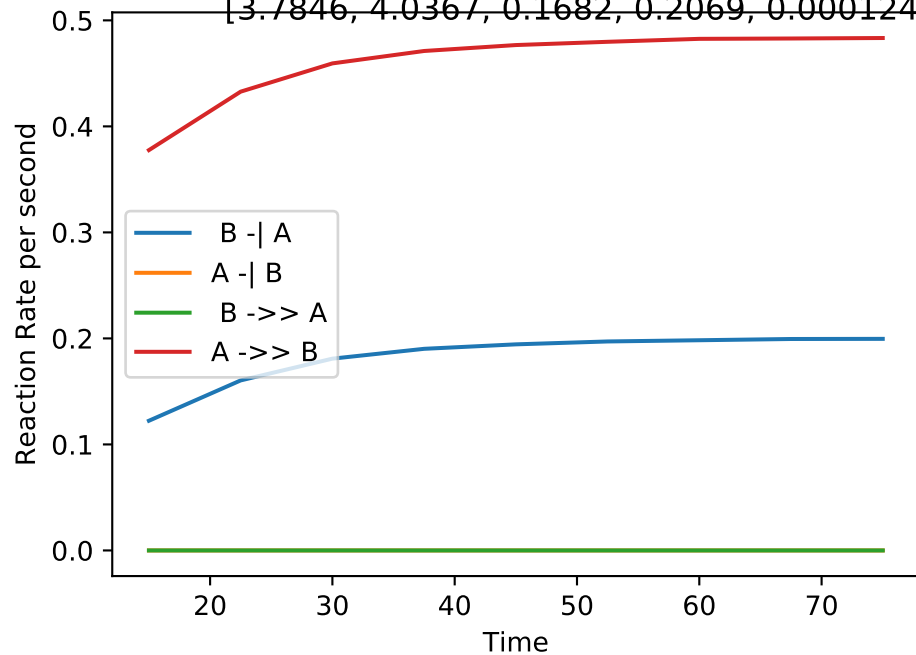
70

Time

FLUX | B -| A vs B ->> A
FLUX | A -| B vs B ->> A

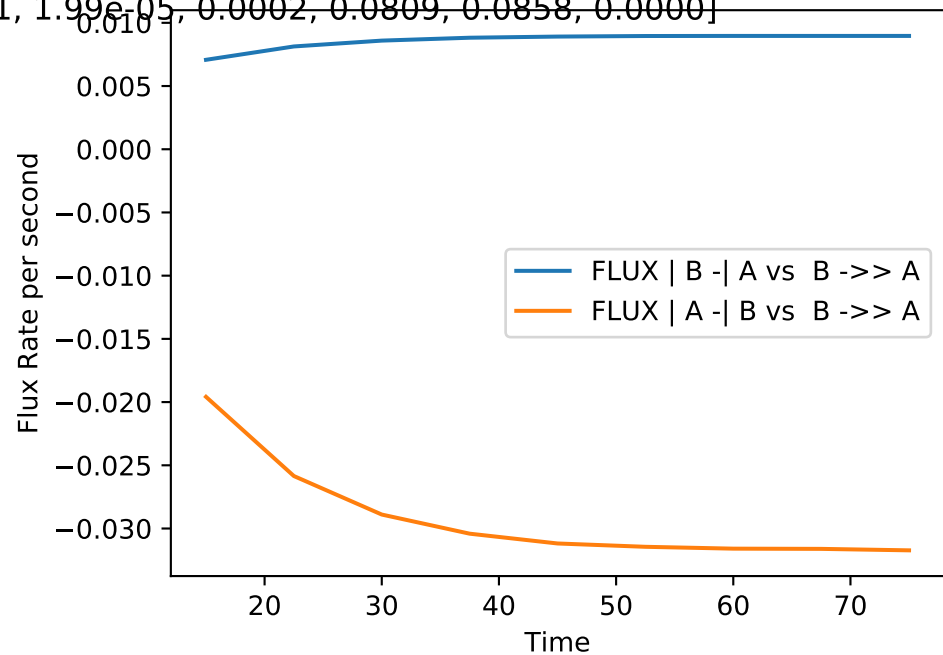
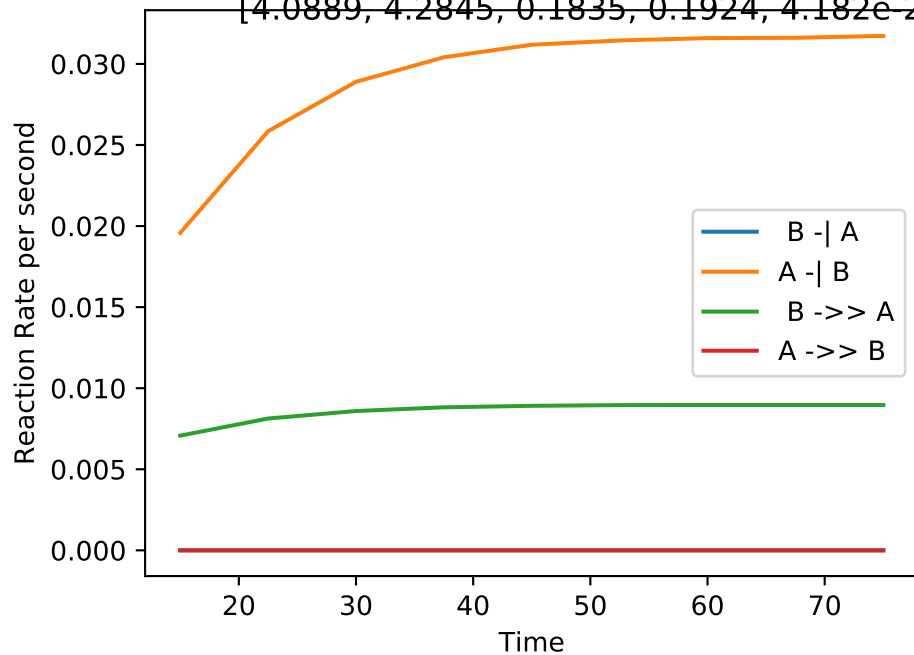
No_up | NLLA No_up(#159):

[3.7846, 4.0367, 0.1682, 0.2069, 0.0001244, 4.648e-25, 0.0000, 0.0785, 0.0940, 0.0121]



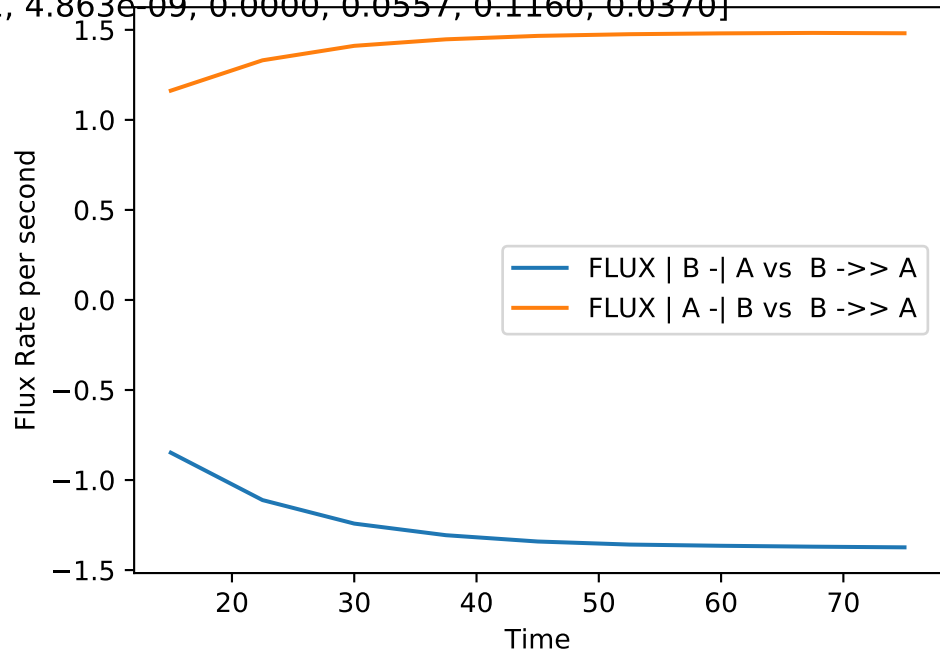
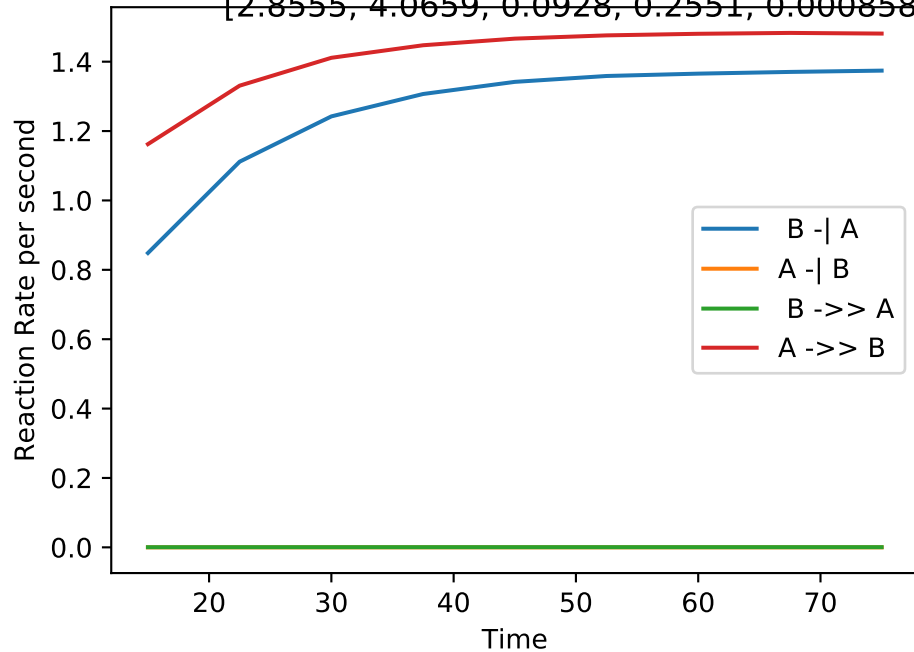
No_up | NLLA No_up(#160):

[4.0889, 4.2845, 0.1835, 0.1924, 4.182e-21, 1.99e-05, 0.0002, 0.0809, 0.0858, 0.0000]



No_up | NLLA No_up(#161):

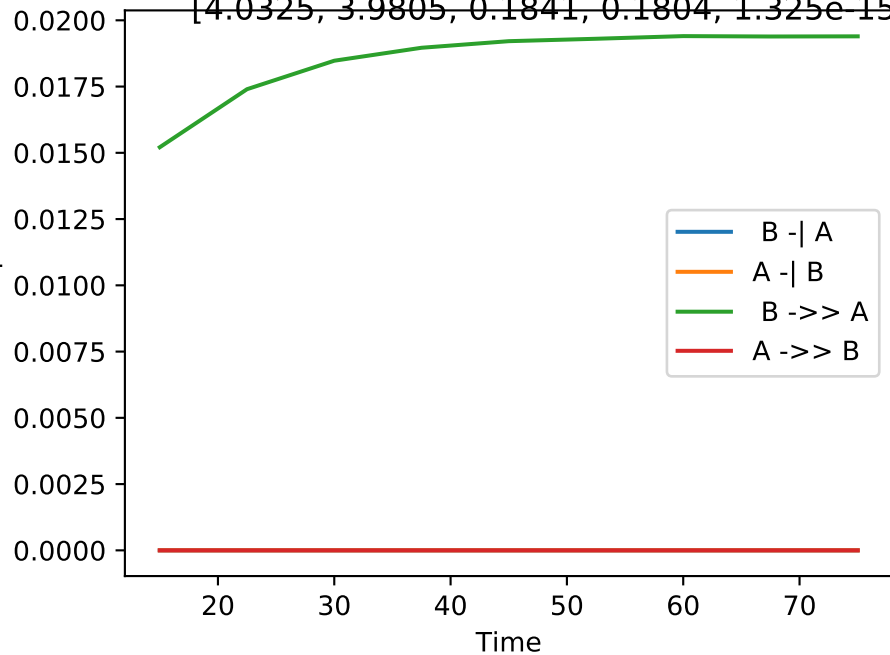
[2.8555, 4.0659, 0.0928, 0.2551, 0.0008581, 4.863e-09, 0.0000, 0.0557, 0.1160, 0.0370]



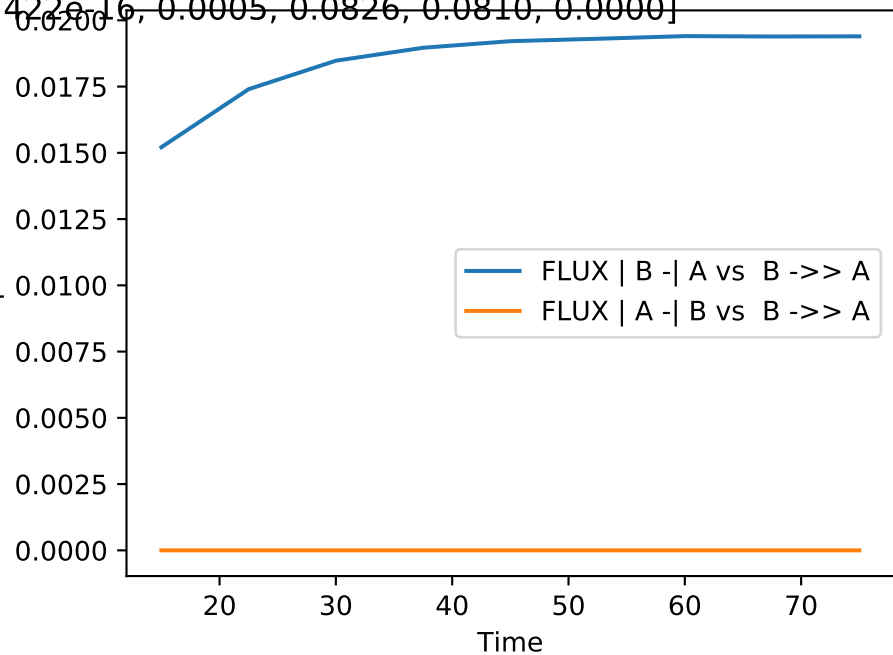
No_up | NLLA No_up(#162):

[4.0325, 3.9805, 0.1841, 0.1804, 1.325e-15, 7.422e-16, 0.0005, 0.0826, 0.0810, 0.0000]

Reaction Rate per second

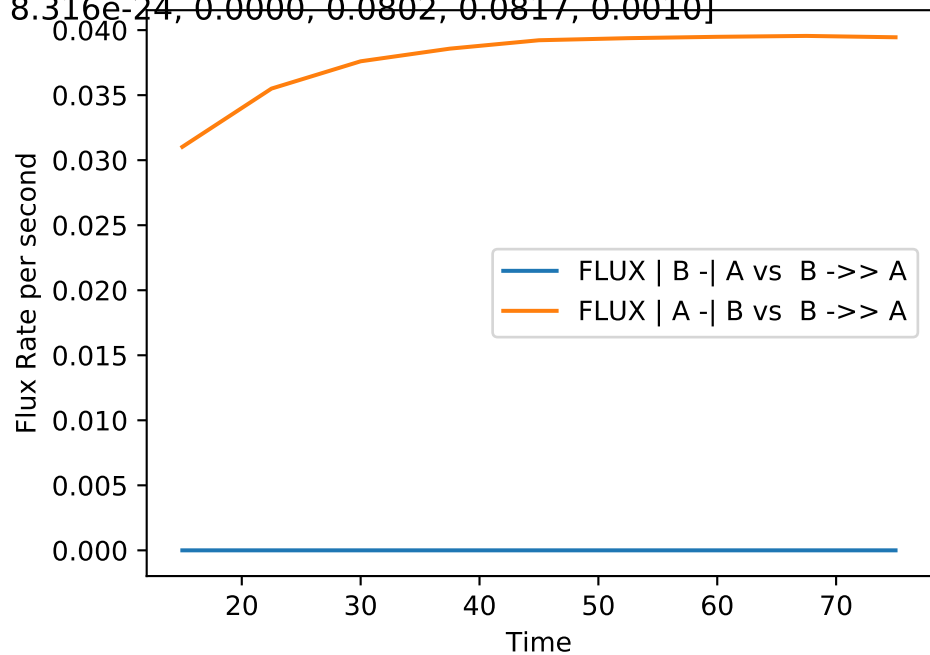
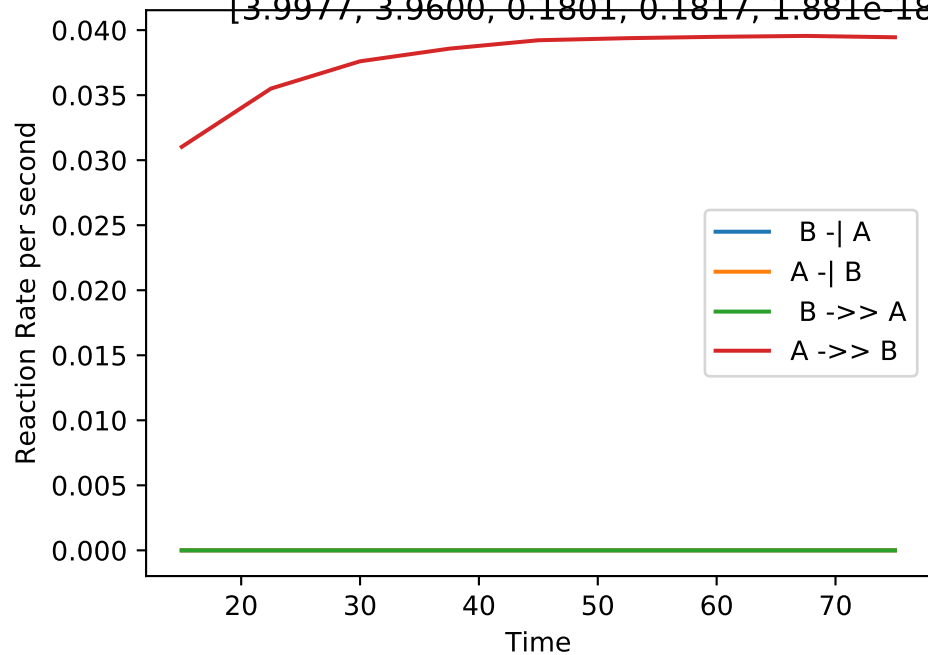


Flux Rate per second



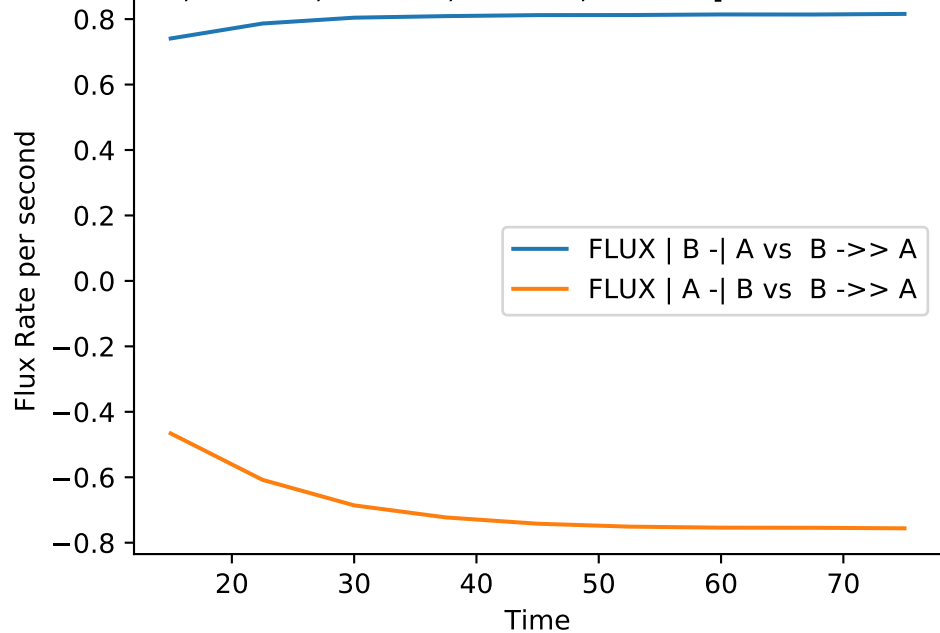
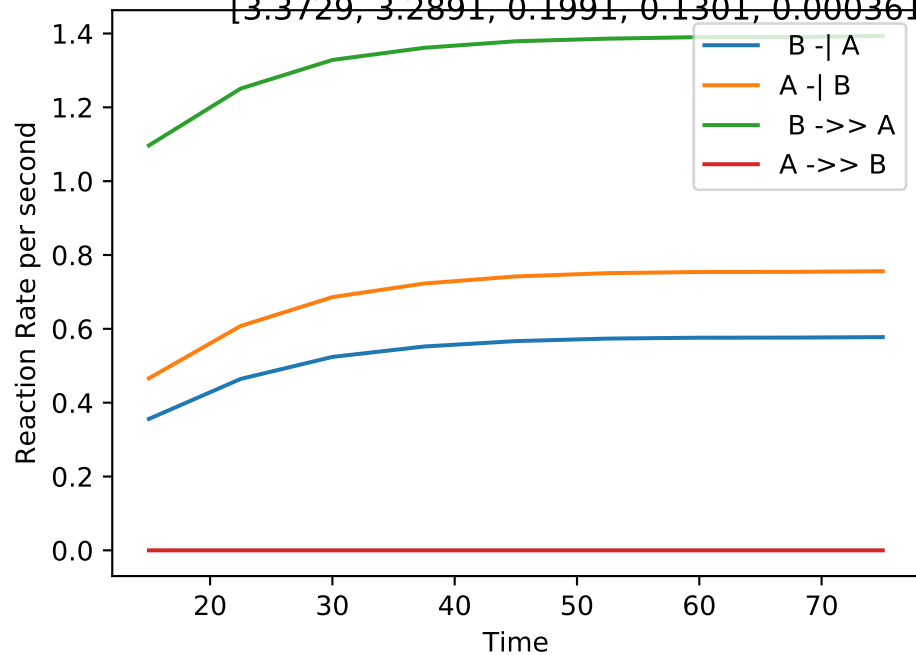
No_up | NLLA No_up(#163):

[3.9977, 3.9600, 0.1801, 0.1817, 1.881e-18, 8.316e-24, 0.0000, 0.0802, 0.0817, 0.0010]



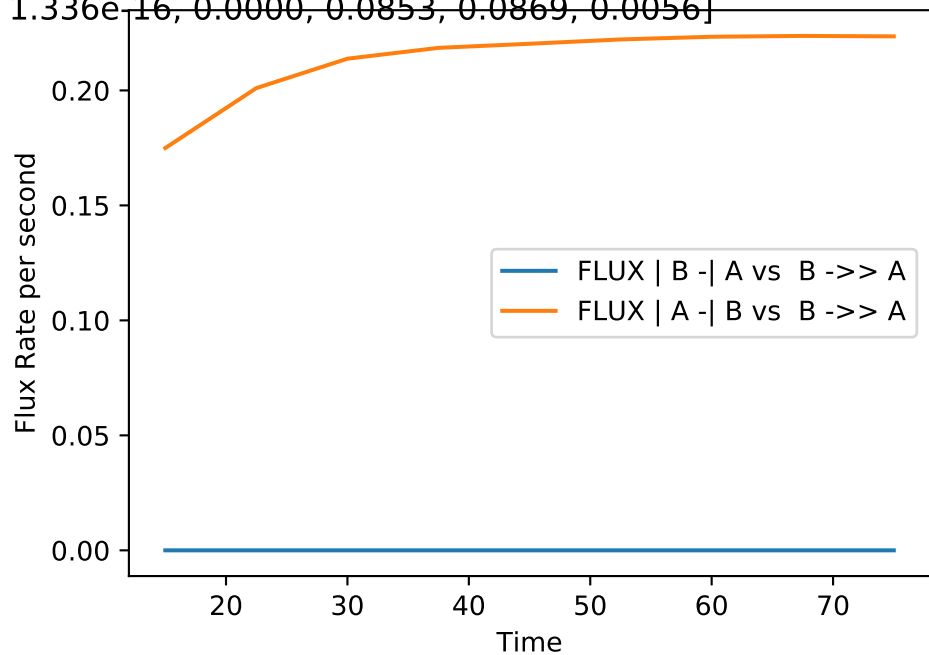
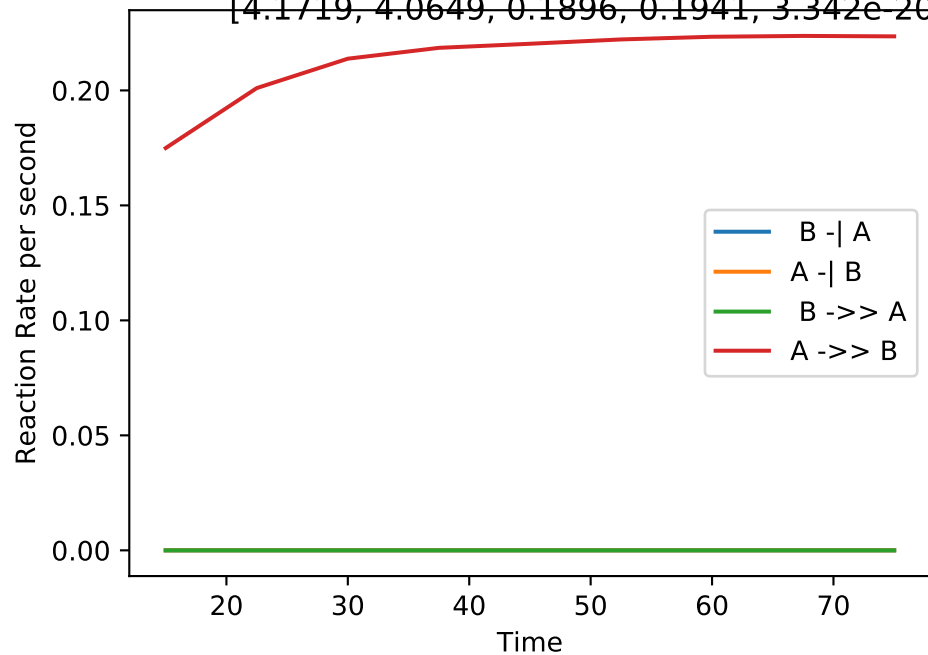
No_up | NLLA No_up(#164):

[3.3729, 3.2891, 0.1991, 0.1301, 0.000361, 0.0004725, 0.0348, 0.0945, 0.0668, 0.0000]



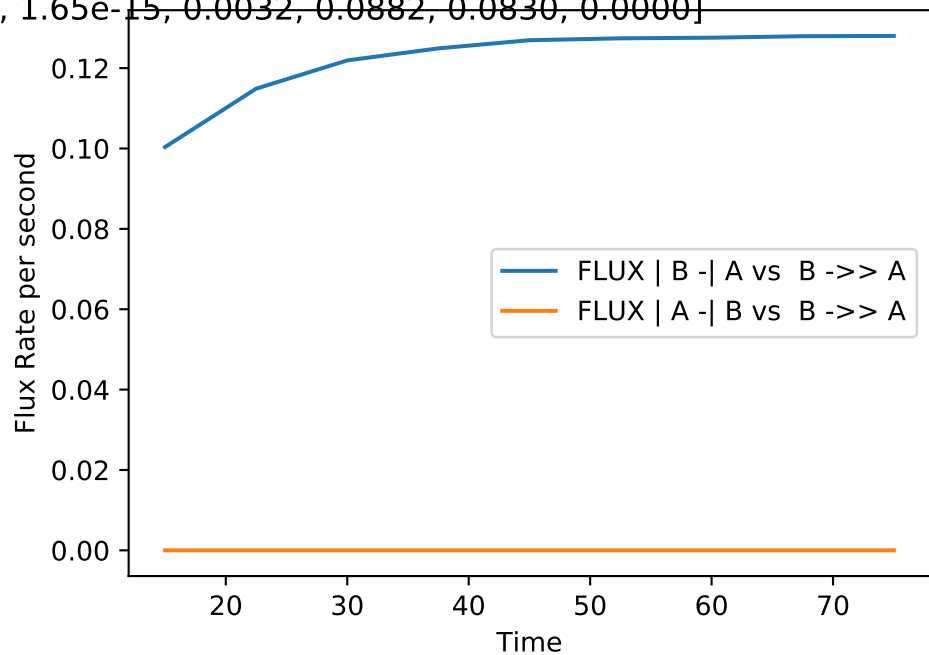
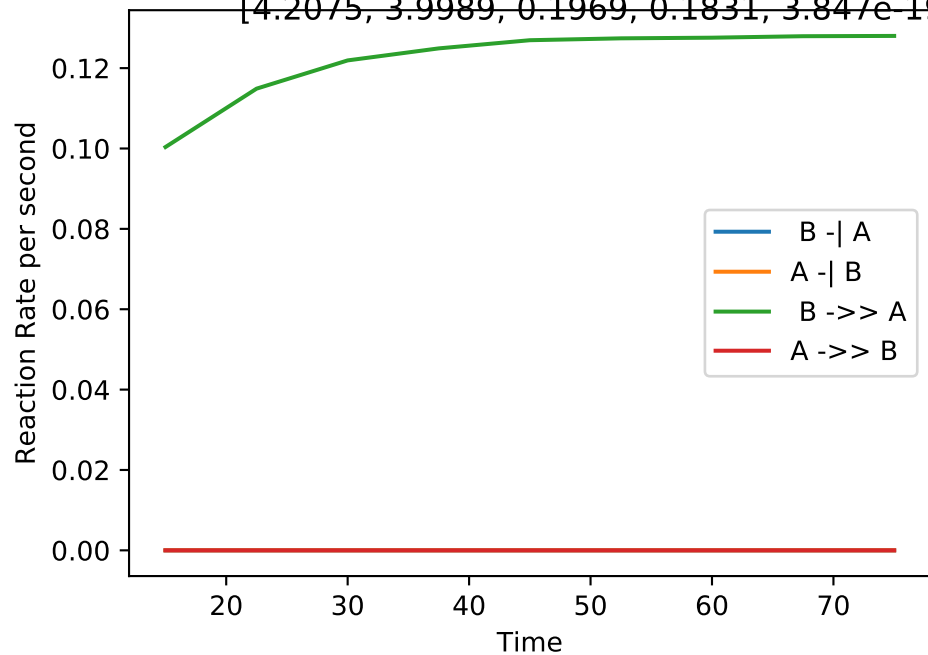
No_up | NLLA No_up(#165):

[4.1719, 4.0649, 0.1896, 0.1941, 3.342e-20, 1.336e-16, 0.0000, 0.0853, 0.0869, 0.0056]



No_up | NLLA No_up(#166):

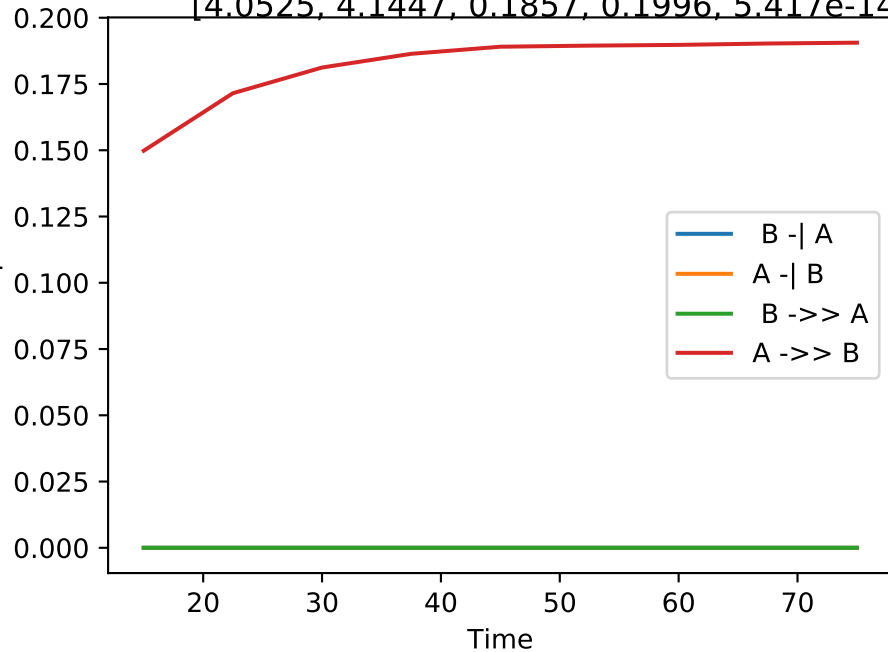
[4.2075, 3.9989, 0.1969, 0.1831, 3.847e-19, 1.65e-15, 0.0032, 0.0882, 0.0830, 0.0000]



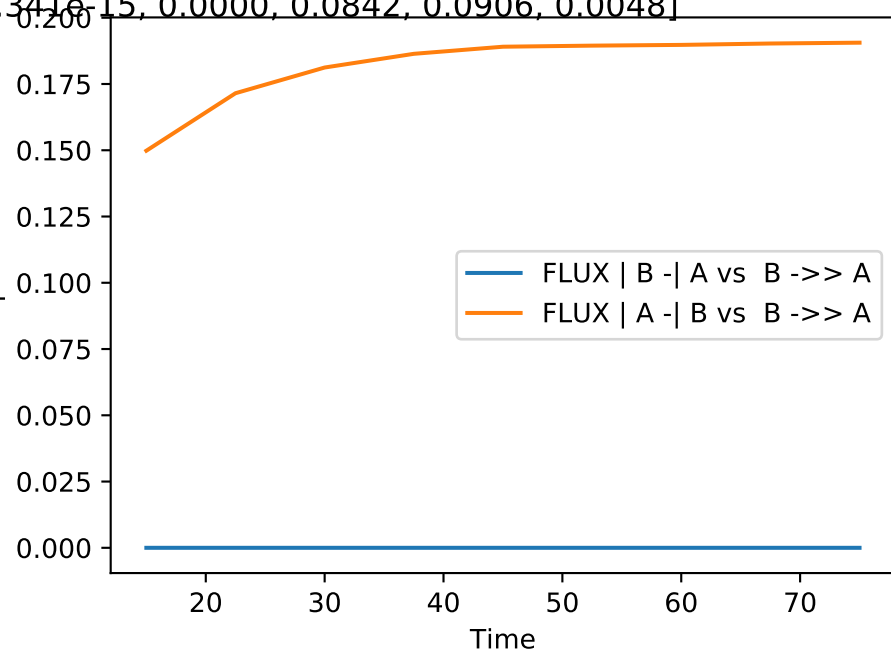
No_up | NLLA No_up(#167):

[4.0525, 4.1447, 0.1857, 0.1996, 5.417e-14, 5.341e-15, 0.0000, 0.0842, 0.0906, 0.0048]

Reaction Rate per second



Flux Rate per second



No_up | NLLA No_up(#168):

[4.0066, 3.9978, 0.1798, 0.1829, 8.574e-16, 3.529e-19, 0.0000, 0.0796, 0.0819, 0.0010]

Reaction Rate per second

0.04
0.03
0.02
0.01
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.04
0.03
0.02
0.01
0.00

20

30

40

50

60

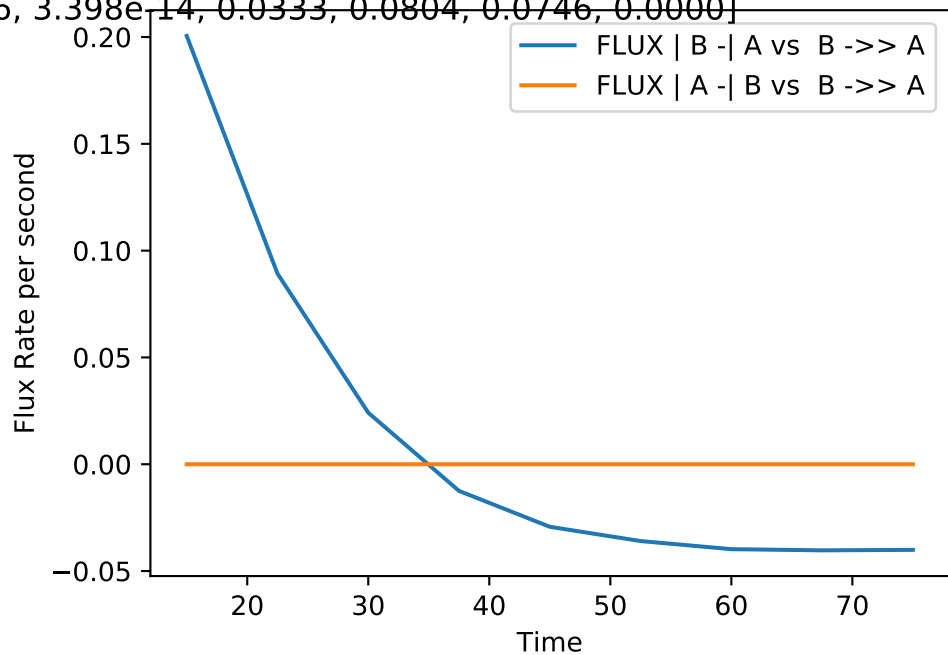
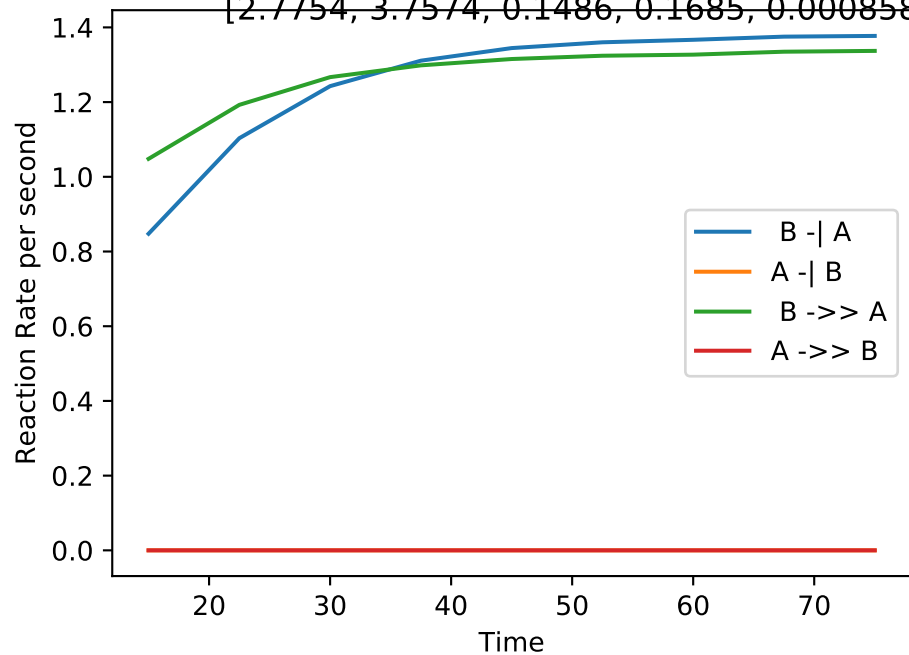
70

Time



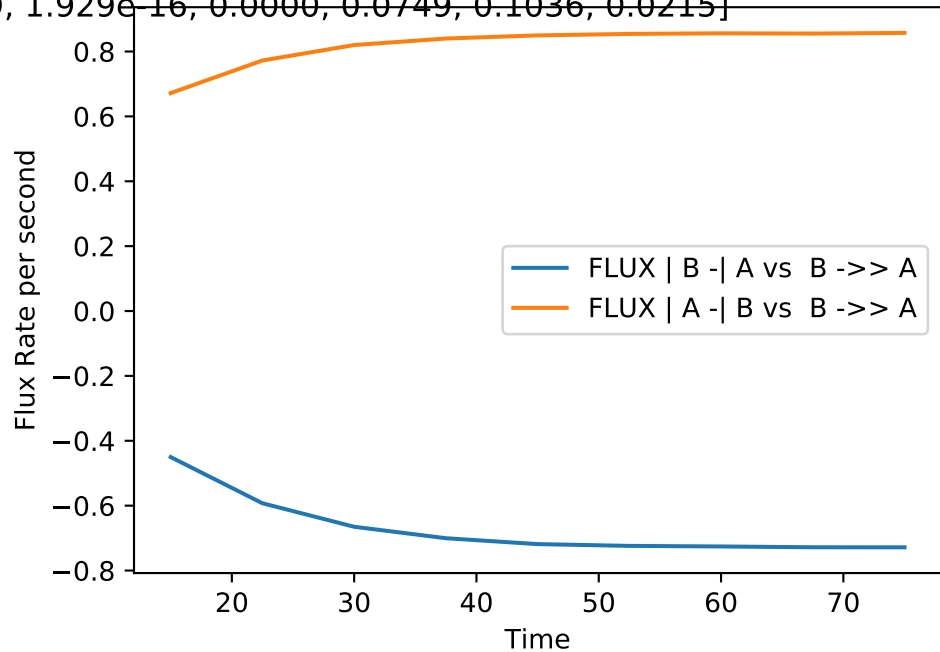
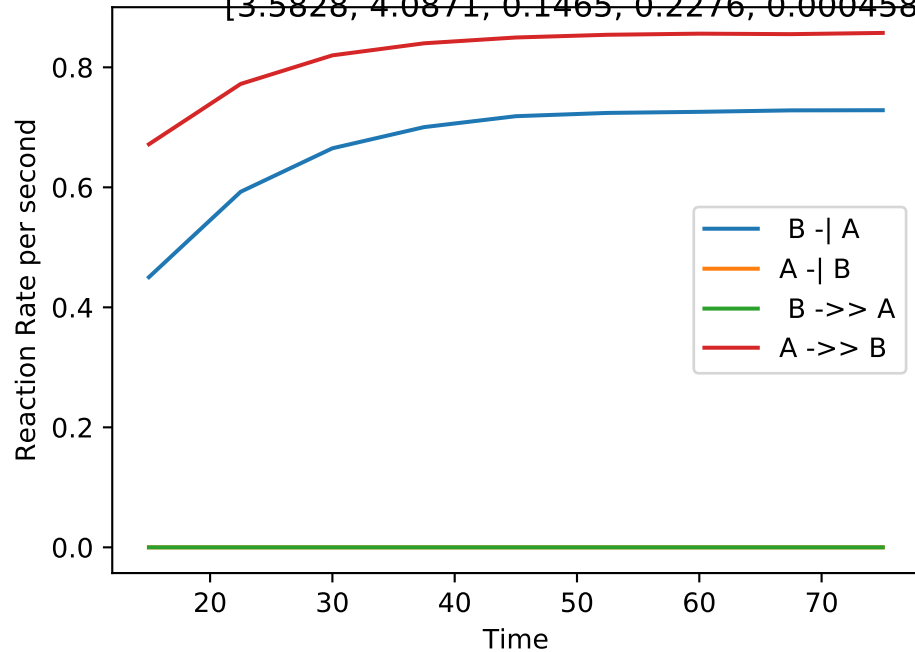
No_up | NLLA No_up(#169):

[2.7754, 3.7574, 0.1486, 0.1685, 0.0008586, 3.398e-14, 0.0333, 0.0804, 0.0746, 0.0000]



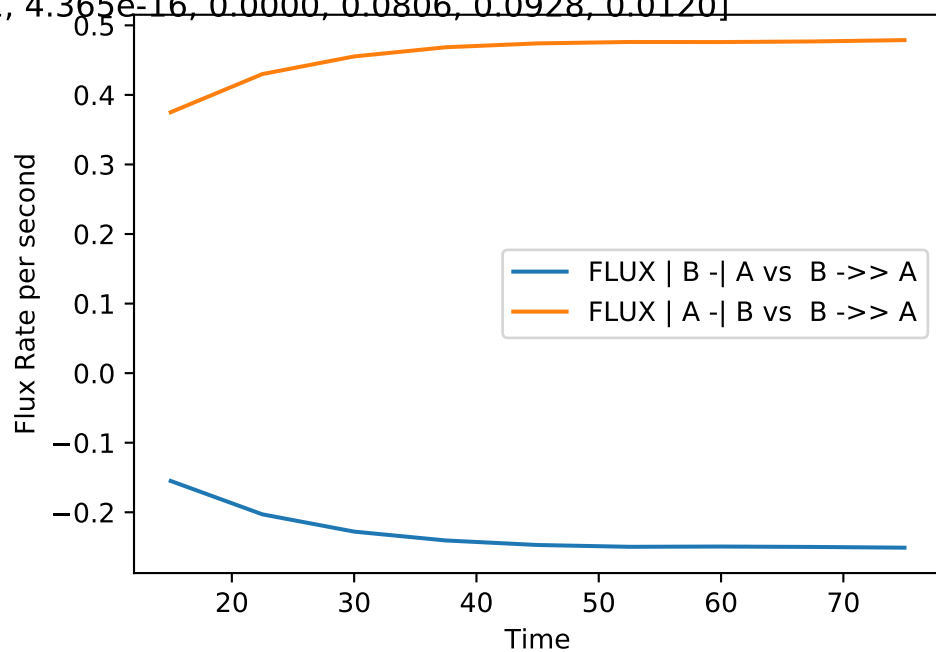
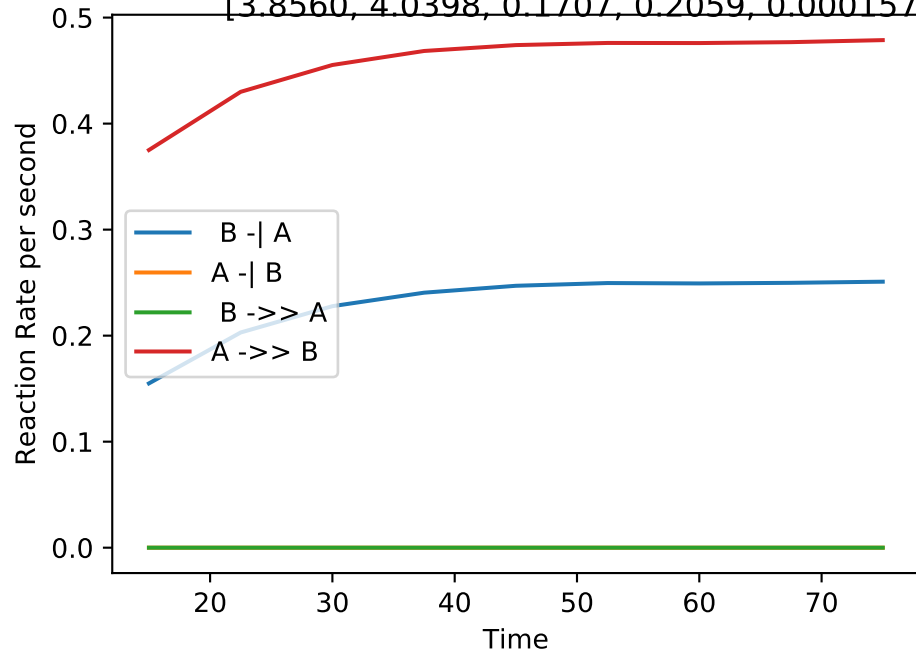
No_up | NLLA No_up(#170):

[3.5828, 4.0871, 0.1465, 0.2276, 0.0004589, 1.929e-16, 0.0000, 0.0749, 0.1036, 0.0215]



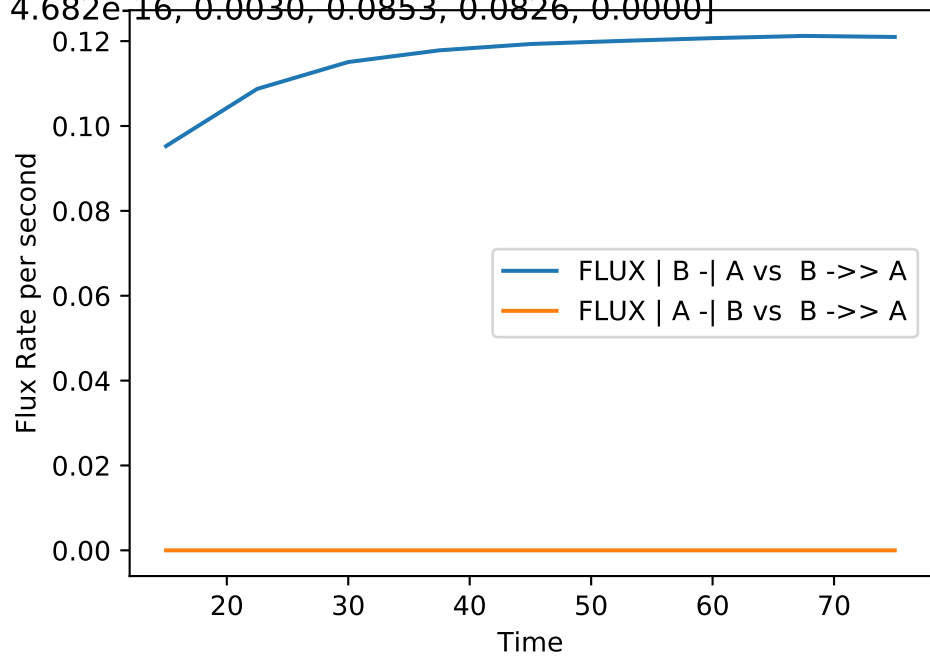
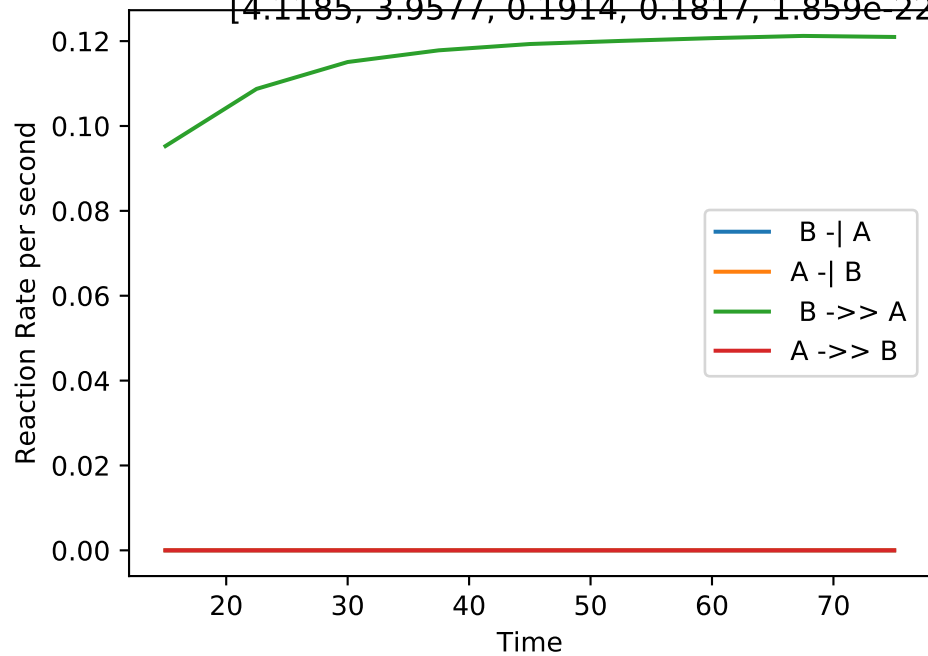
No_up | NLLA No_up(#171):

[3.8560, 4.0398, 0.1707, 0.2059, 0.0001571, 4.365e-16, 0.0000, 0.0806, 0.0928, 0.0120]



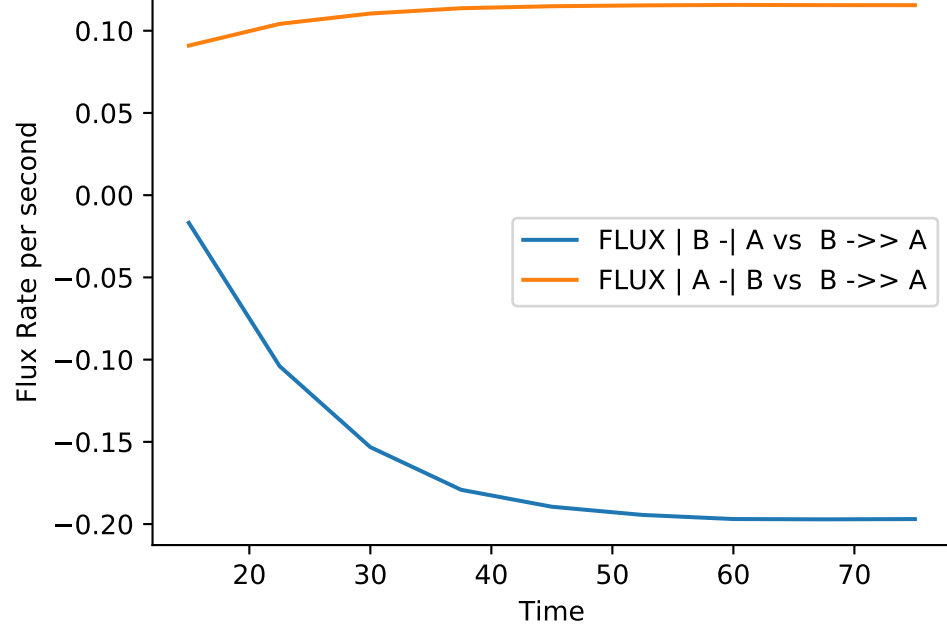
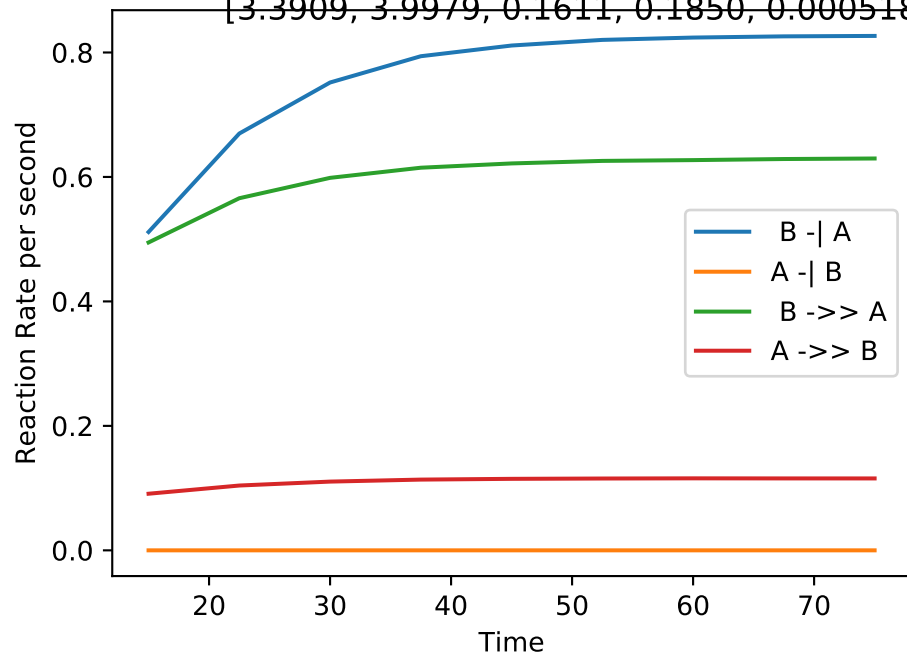
No_up | NLLA No_up(#172):

[4.1185, 3.9577, 0.1914, 0.1817, 1.859e-22, 4.682e-16, 0.0030, 0.0853, 0.0826, 0.0000]



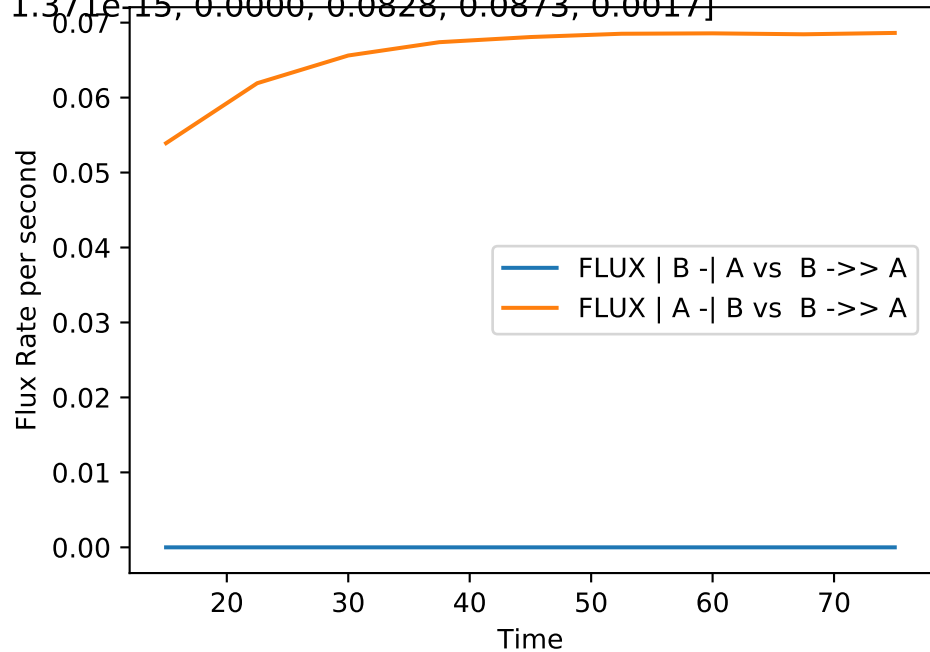
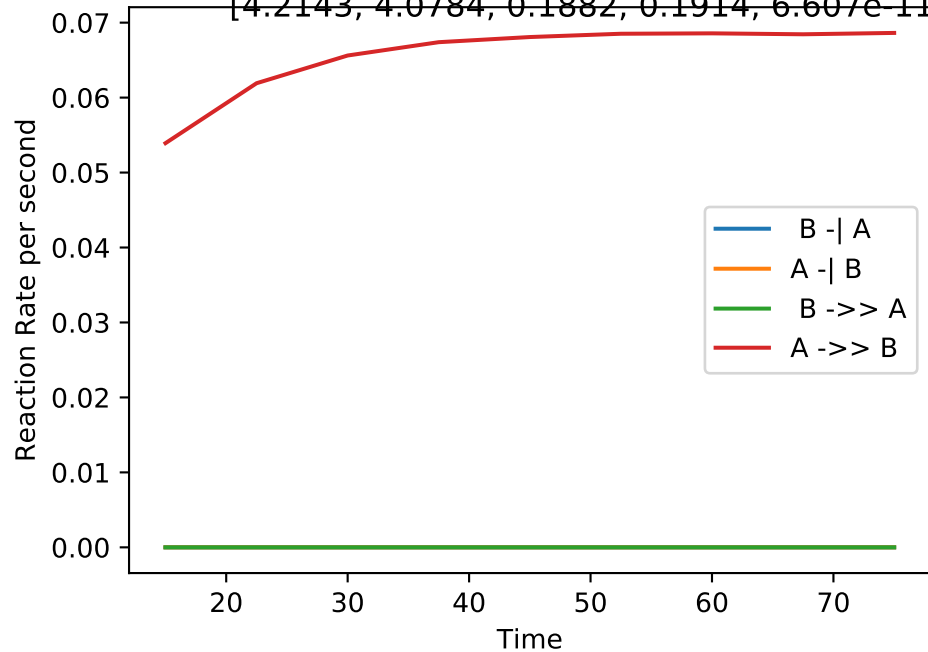
No_up | NLLA No_up(#173):

[3.3909, 3.9979, 0.1611, 0.1850, 0.0005181, 4.874e-24, 0.0157, 0.0812, 0.0821, 0.0029]



No_up | NLLA No_up(#174):

[4.2143, 4.0784, 0.1882, 0.1914, 6.607e-11, 1.371e-15, 0.0000, 0.0828, 0.0873, 0.0017]



No_up | NLLA No_up(#175):

[4.0947, 4.0462, 0.1887, 0.1851, 2.425e-19, 1.392e-18, 0.0013, 0.0848, 0.0834, 0.0000]

Reaction Rate per second

0.05
0.04
0.03
0.02
0.01
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.05
0.04
0.03
0.02
0.01
0.00

20

30

40

50

60

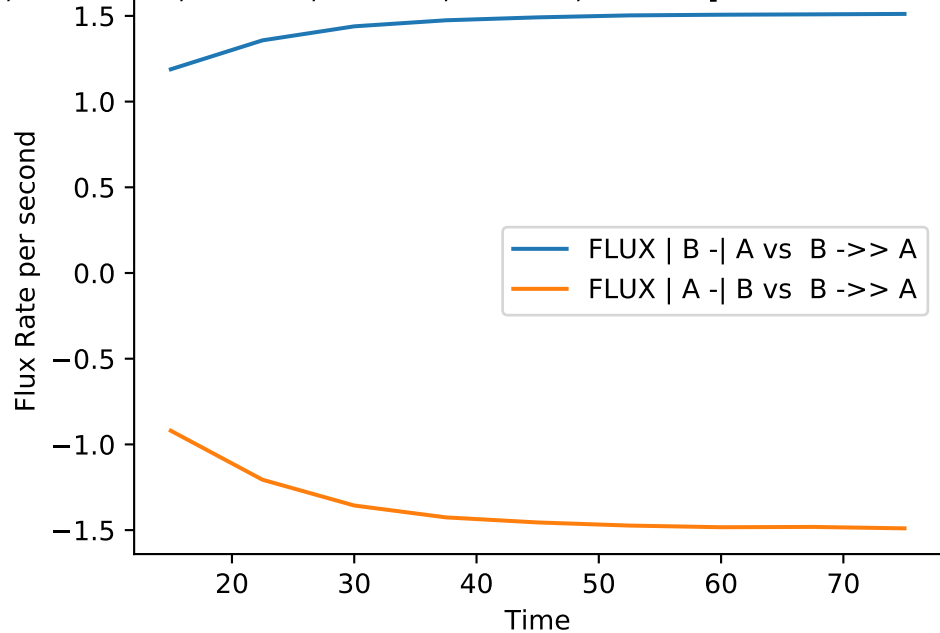
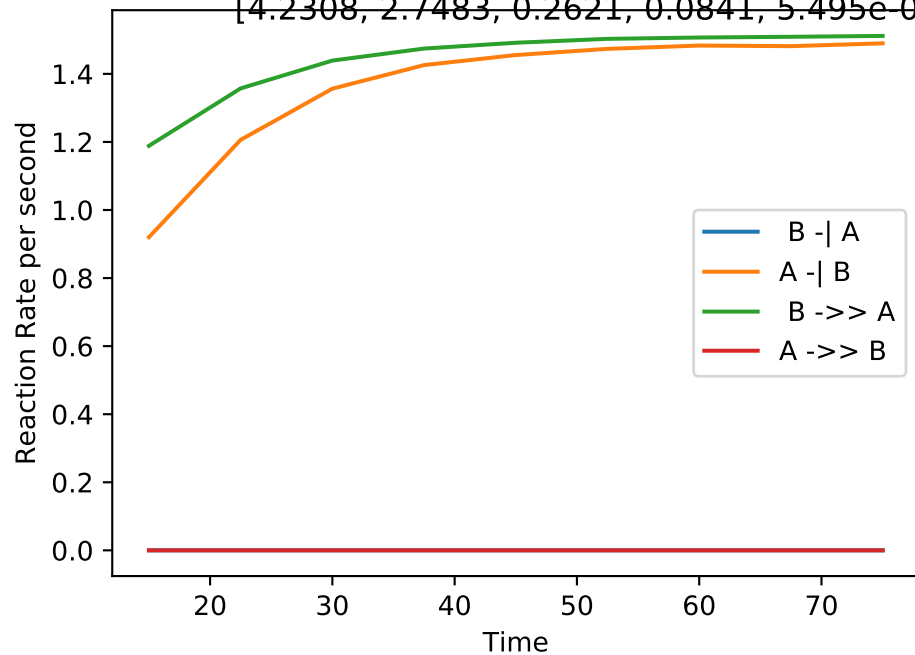
70

Time



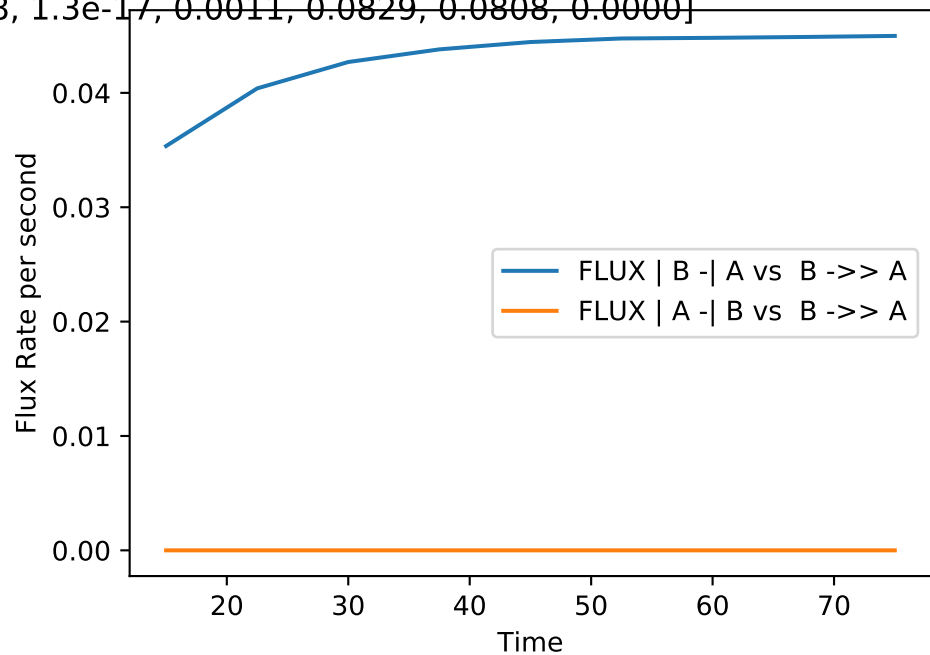
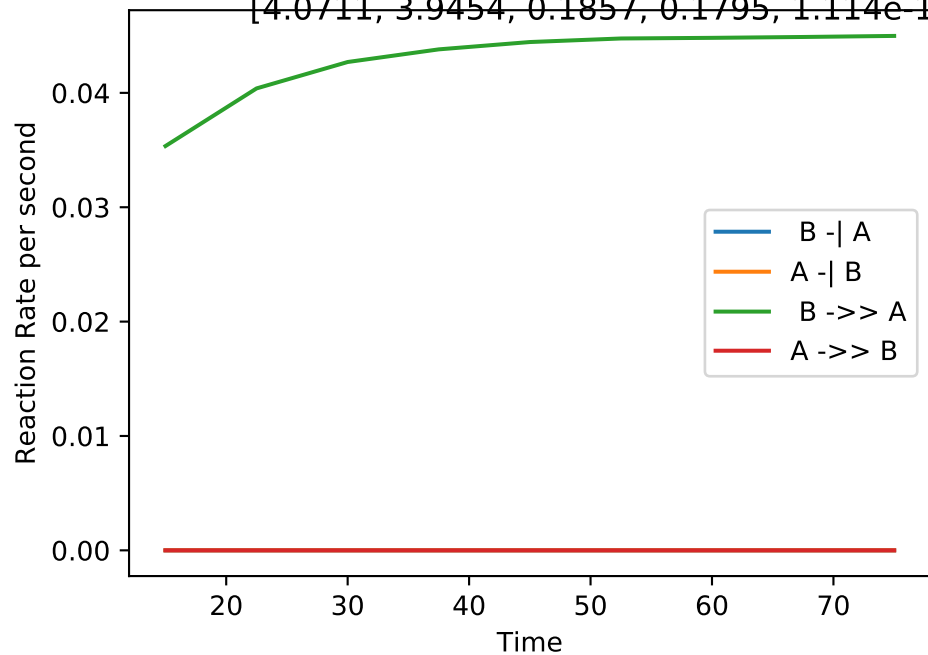
No_up | NLLA No_up(#176):

[4.2308, 2.7483, 0.2621, 0.0841, 5.495e-09, 0.000931, 0.0378, 0.1185, 0.0526, 0.0000]



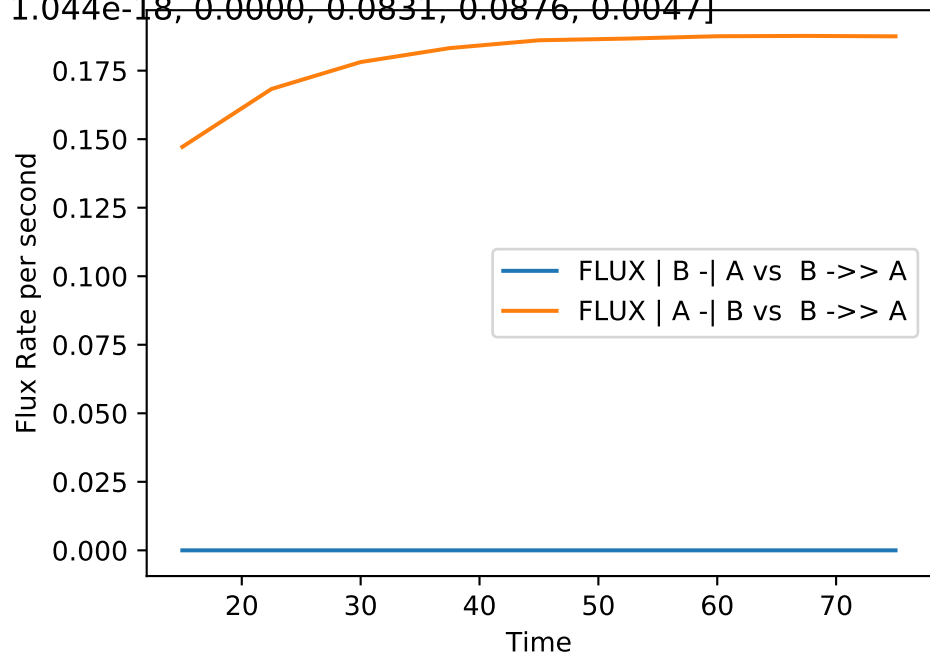
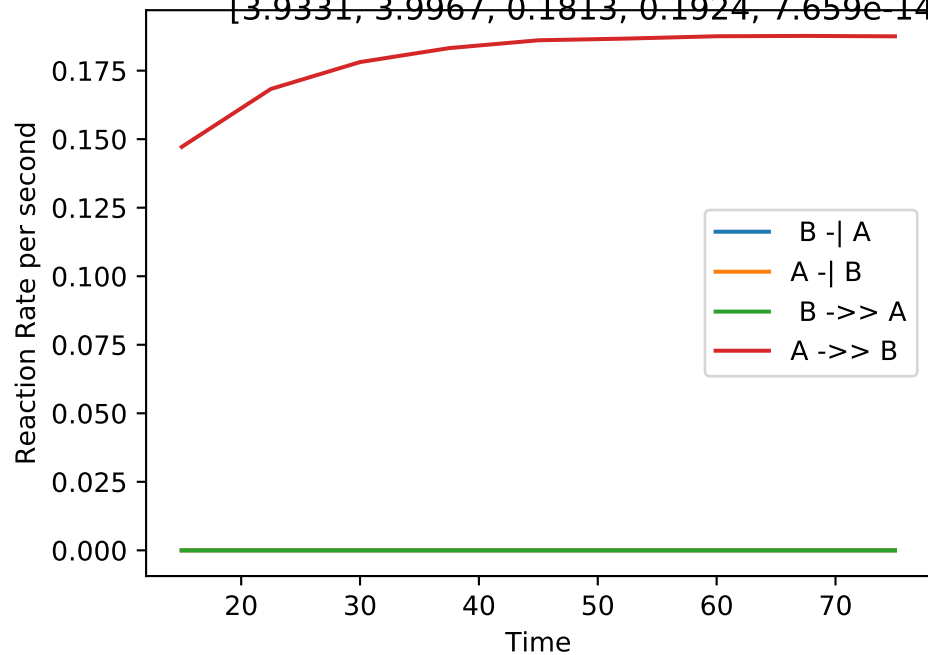
No_up | NLLA No_up(#177):

[4.0711, 3.9454, 0.1857, 0.1795, 1.114e-18, 1.3e-17, 0.0011, 0.0829, 0.0808, 0.0000]



No_up | NLLA No_up(#178):

[3.9331, 3.9967, 0.1813, 0.1924, 7.659e-14, 1.044e-18, 0.0000, 0.0831, 0.0876, 0.0047]



No_up | NLLA No_up(#179):

[4.0469, 4.0391, 0.1855, 0.1901, 7.582e-11, 2.483e-15, 0.0000, 0.0841, 0.0859, 0.0032]

Reaction Rate per second

0.12
0.10
0.08
0.06
0.04
0.02
0.00

20

30

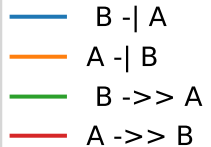
40

50

60

70

Time



Flux Rate per second

0.12
0.10
0.08
0.06
0.04
0.02
0.00

20

30

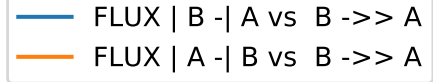
40

50

60

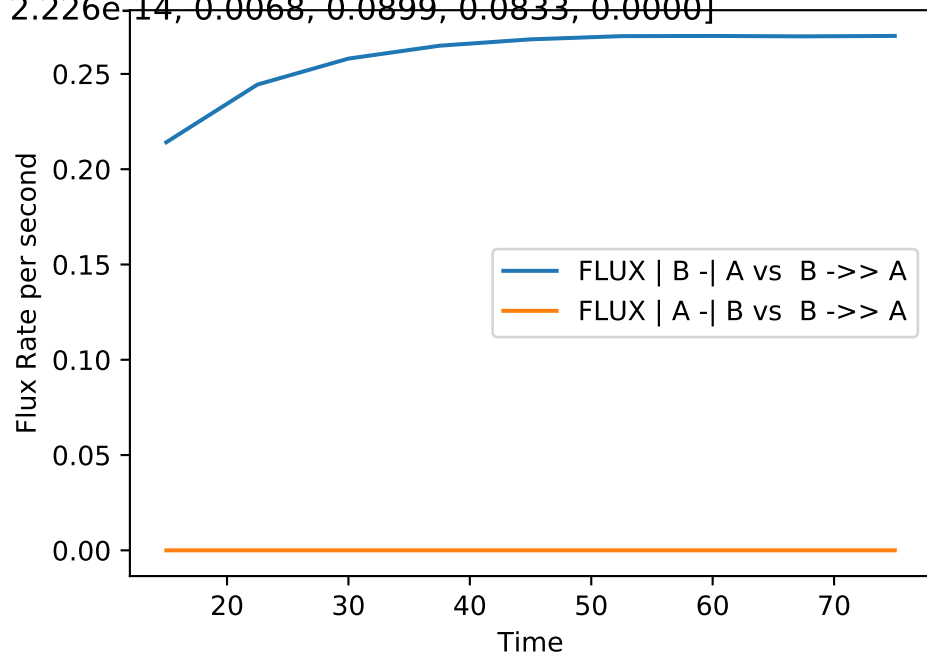
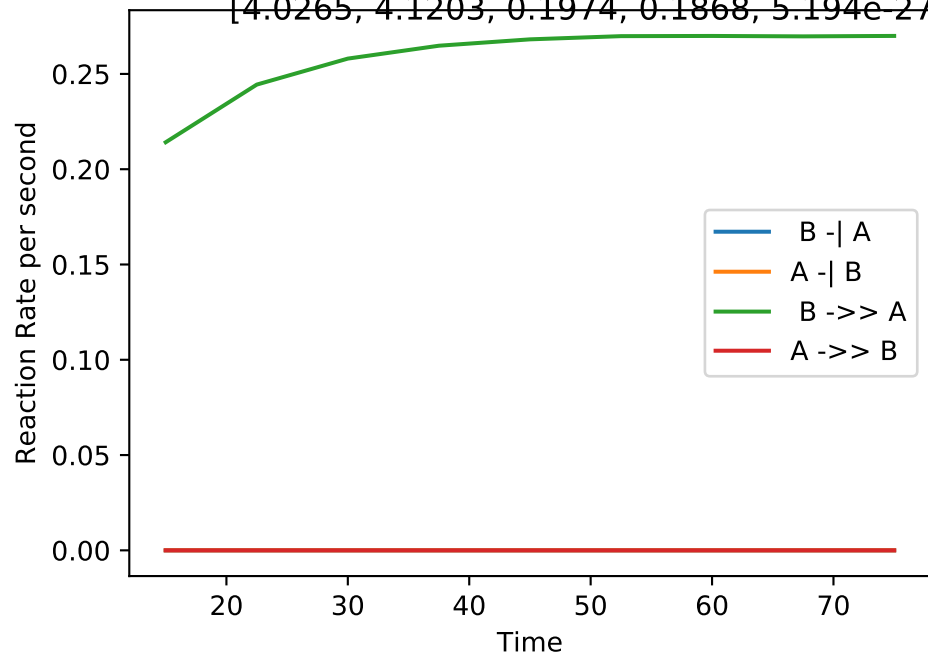
70

Time



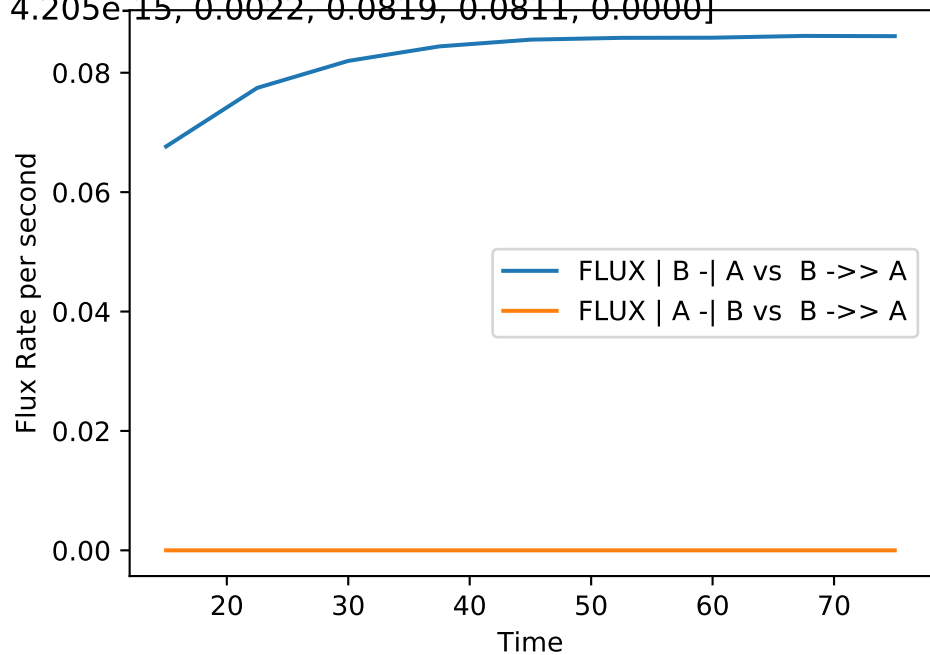
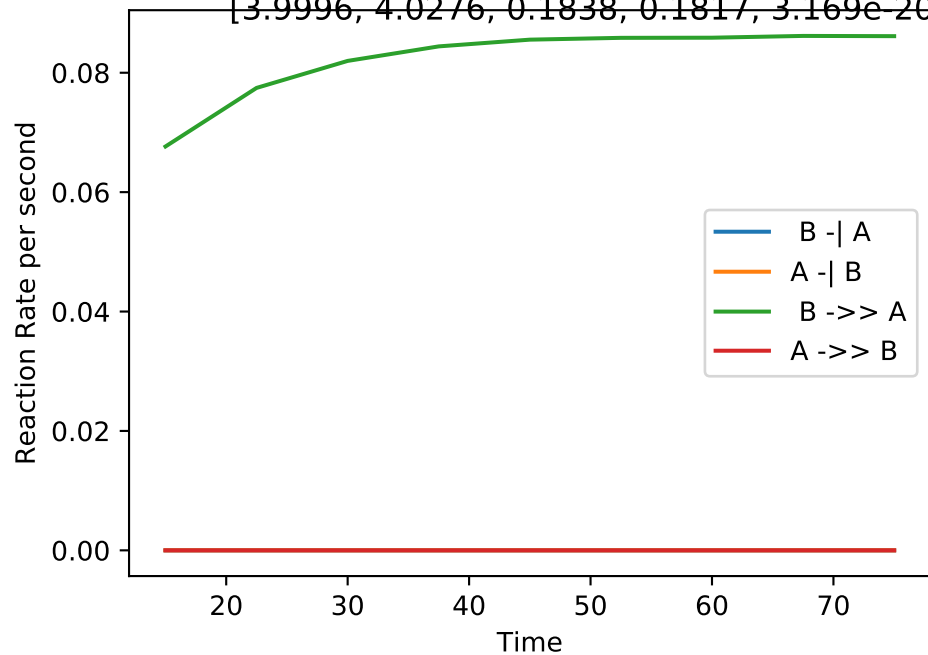
No_up | NLLA No_up(#180):

[4.0265, 4.1203, 0.1974, 0.1868, 5.194e-27, 2.226e-14, 0.0068, 0.0899, 0.0833, 0.0000]



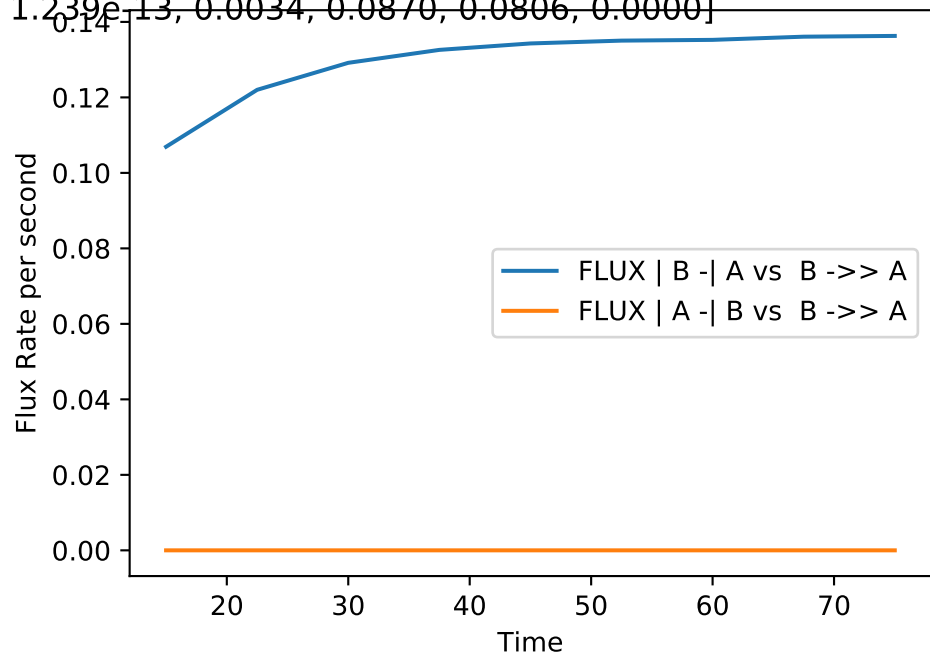
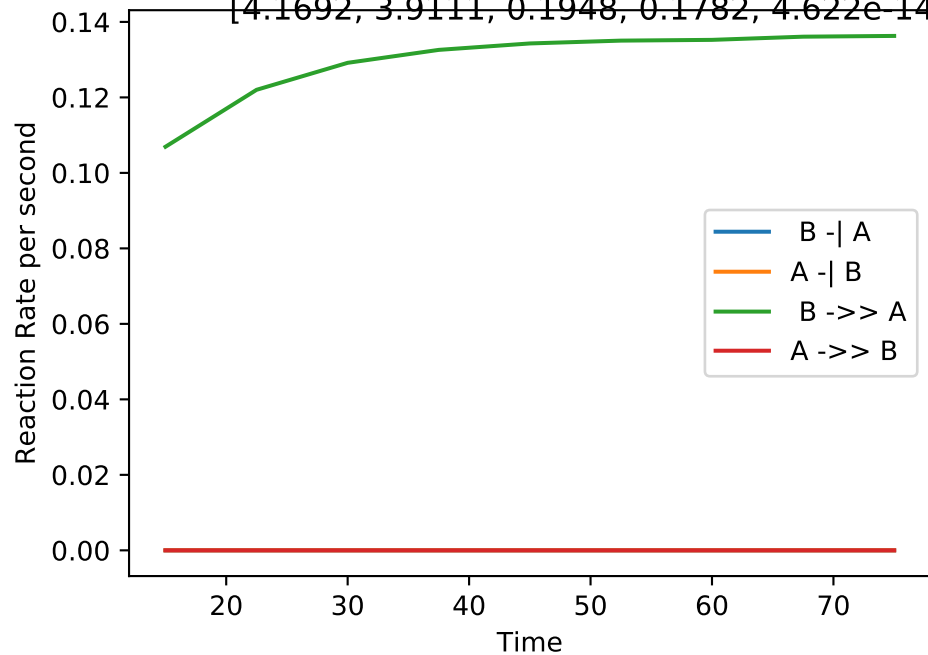
No_up | NLLA No_up(#181):

[3.9996, 4.0276, 0.1838, 0.1817, 3.169e-20, 4.205e-15, 0.0022, 0.0819, 0.0811, 0.0000]



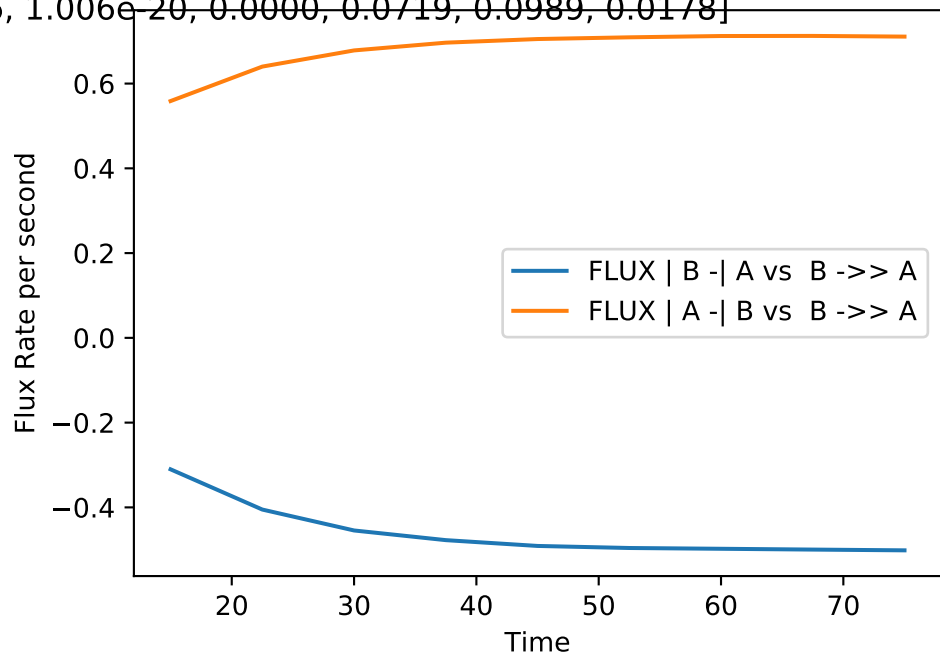
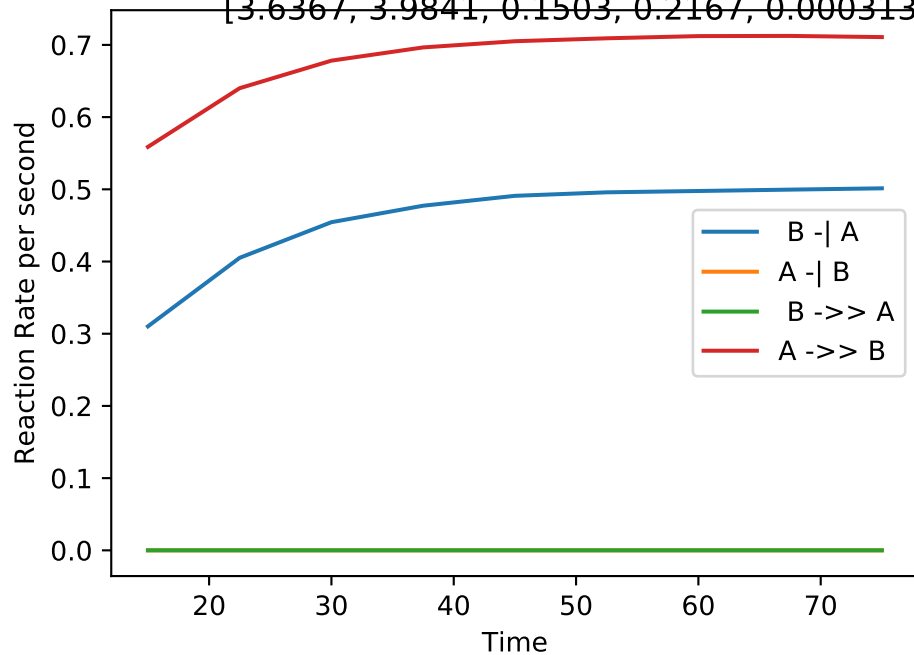
No_up | NLLA No_up(#182):

[4.1692, 3.9111, 0.1948, 0.1782, 4.622e-14, 1.239e-13, 0.0034, 0.0870, 0.0806, 0.0000]



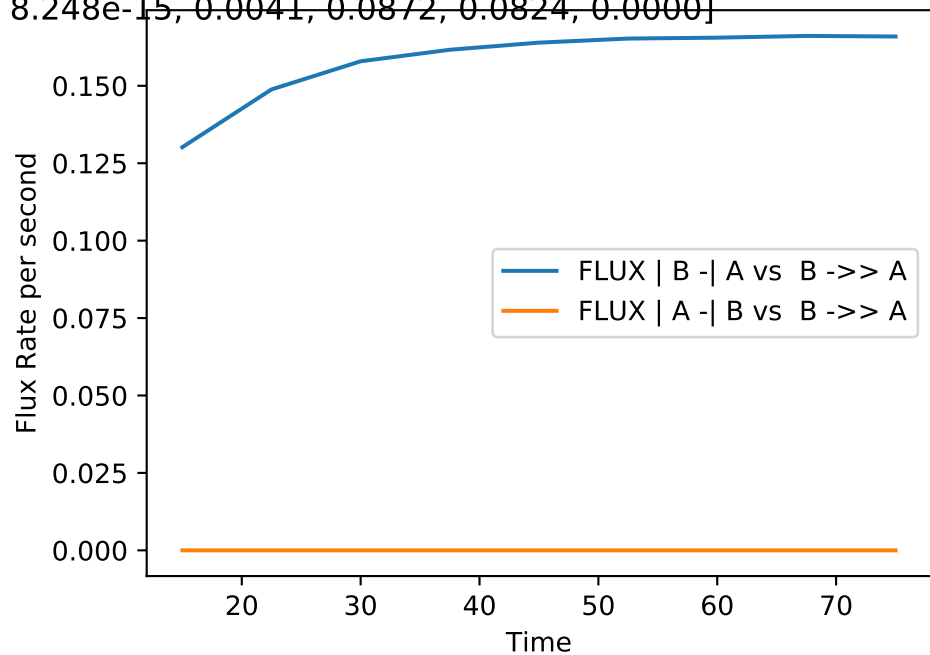
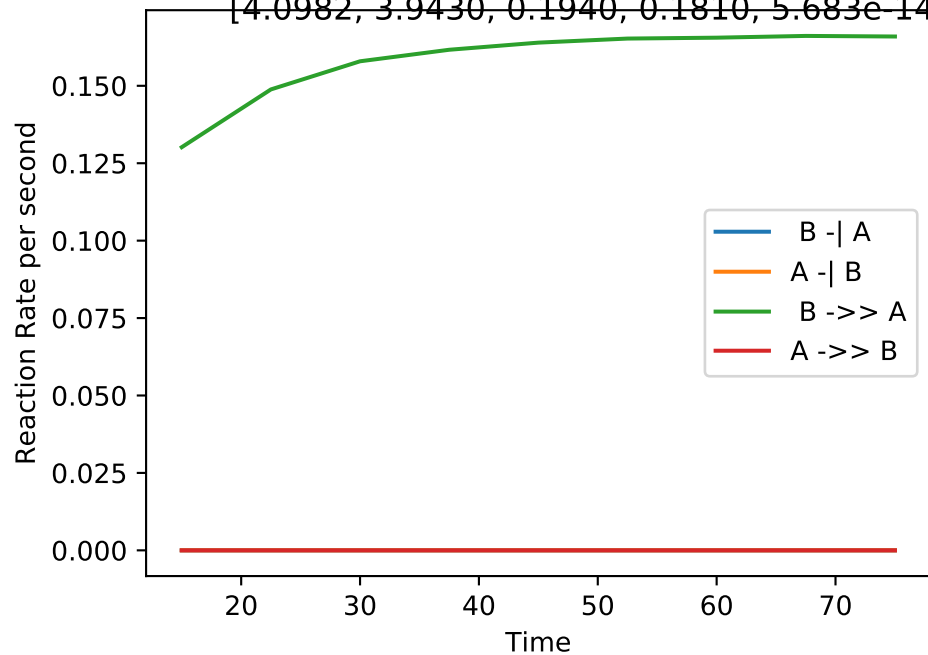
No_up | NLLA No_up(#183):

[3.6367, 3.9841, 0.1503, 0.2167, 0.0003136, 1.006e-20, 0.0000, 0.0719, 0.0989, 0.0178]



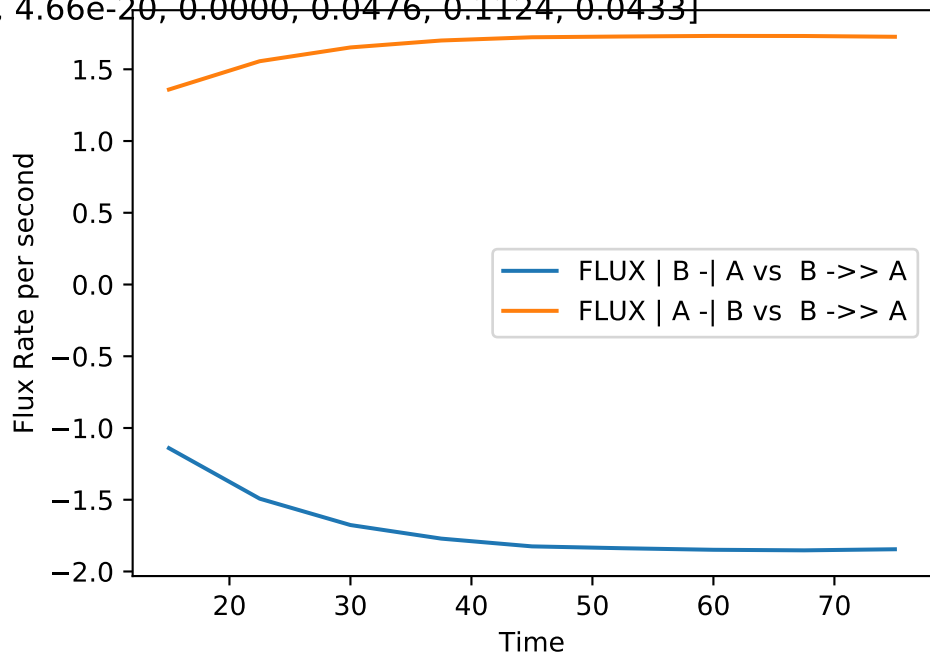
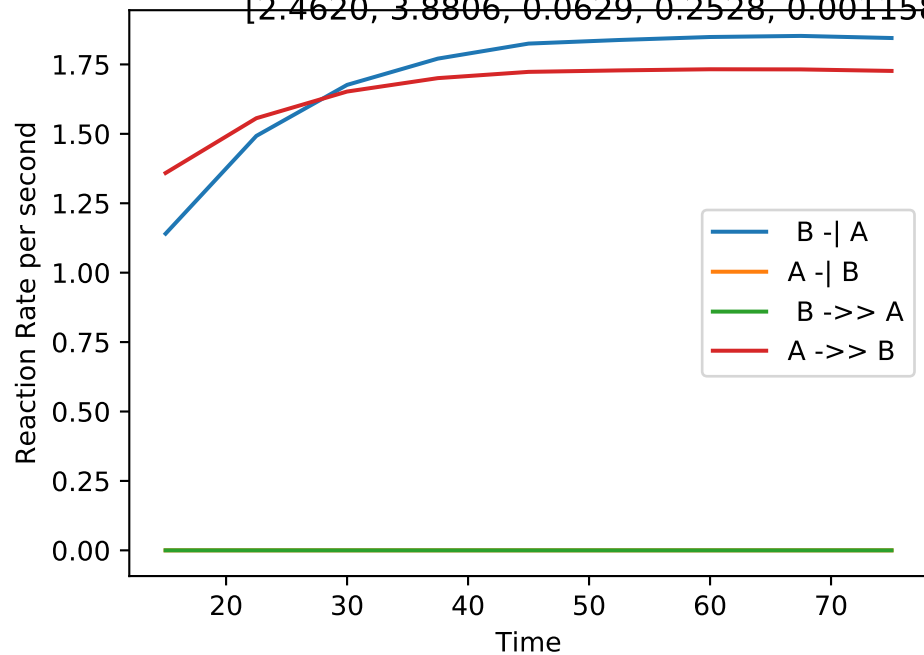
No_up | NLLA No_up(#184):

[4.0982, 3.9430, 0.1940, 0.1810, 5.683e-14, 8.248e-15, 0.0041, 0.0872, 0.0824, 0.0000]



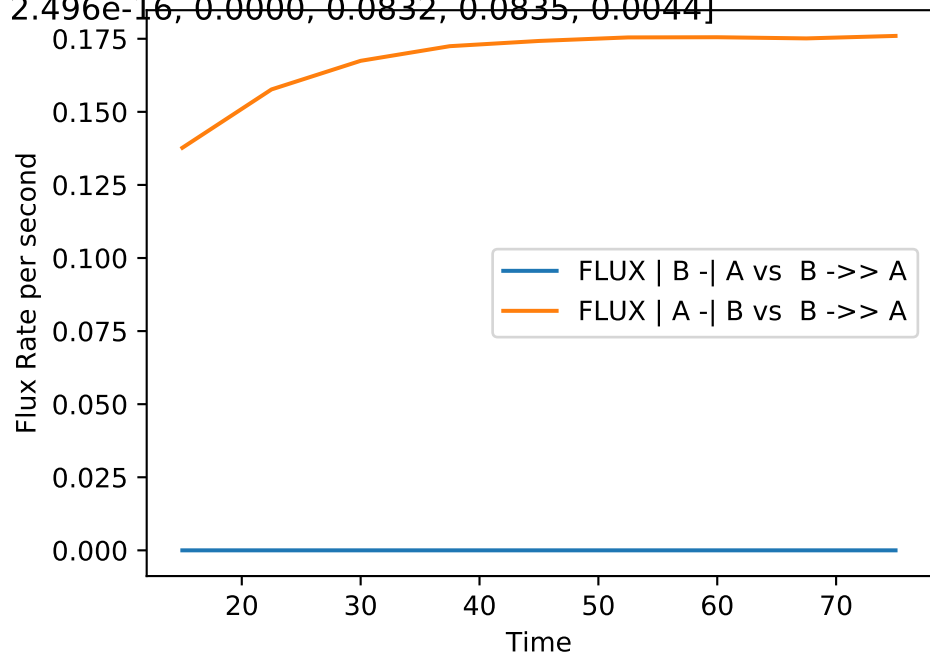
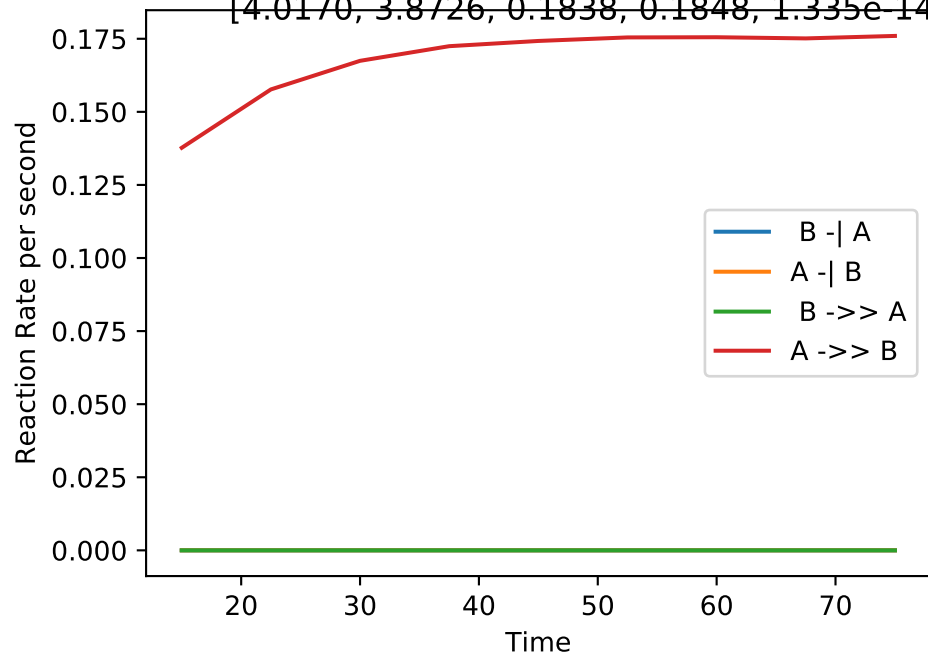
No_up | NLLA No_up(#185):

[2.4620, 3.8806, 0.0629, 0.2528, 0.001158, 4.66e-20, 0.0000, 0.0476, 0.1124, 0.0433]



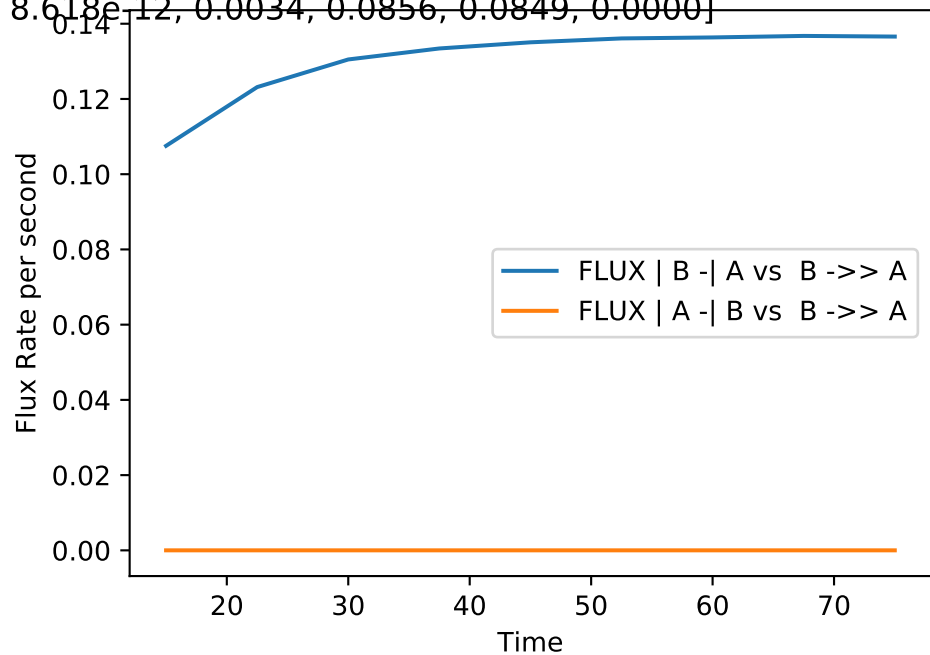
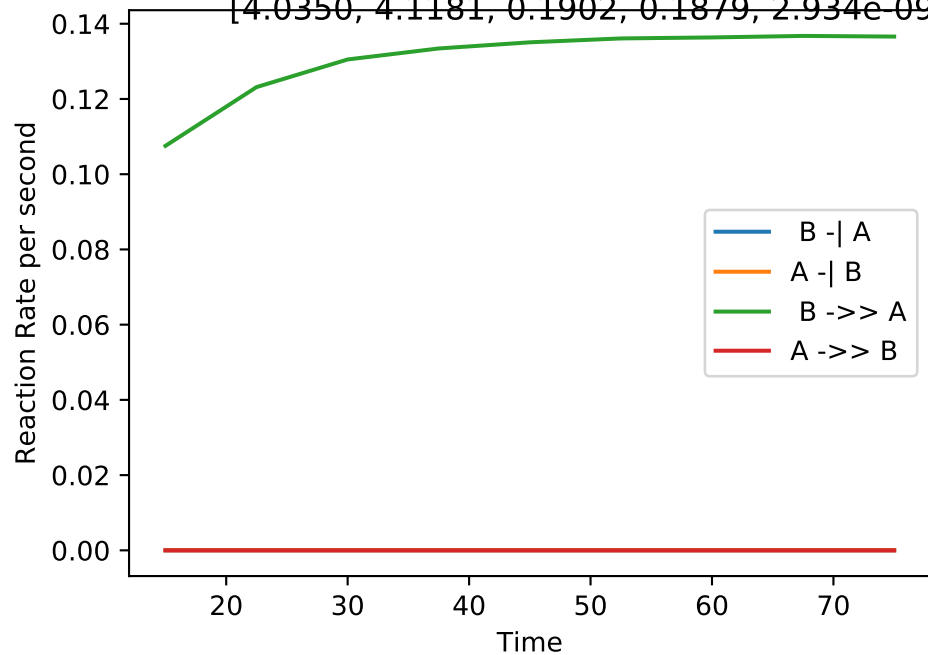
No_up | NLLA No_up(#186):

[4.0170, 3.8726, 0.1838, 0.1848, 1.335e-14, 2.496e-16, 0.0000, 0.0832, 0.0835, 0.0044]



No_up | NLLA No_up(#187):

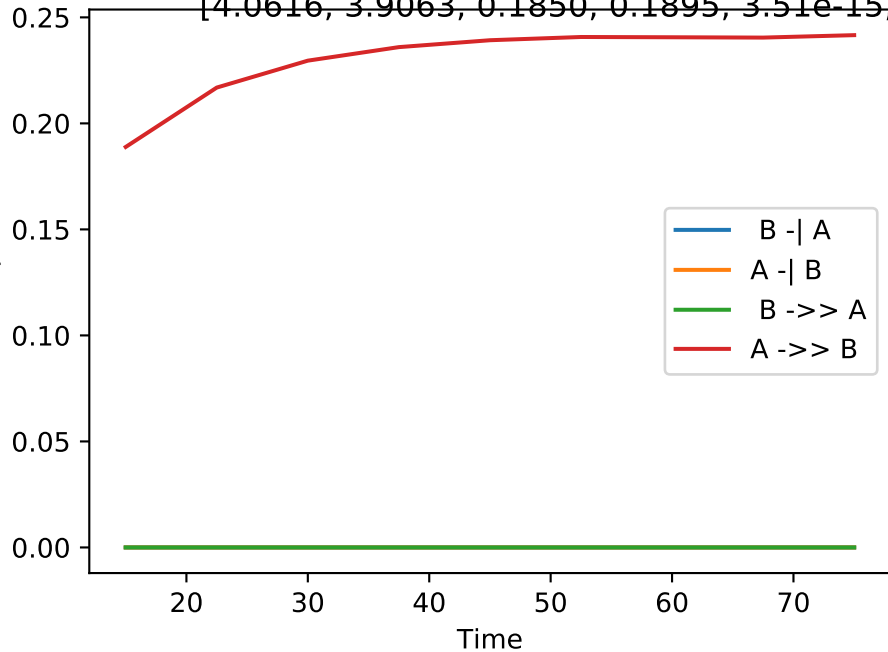
[4.0350, 4.1181, 0.1902, 0.1879, 2.934e-09, 8.618e-12, 0.0034, 0.0856, 0.0849, 0.0000]



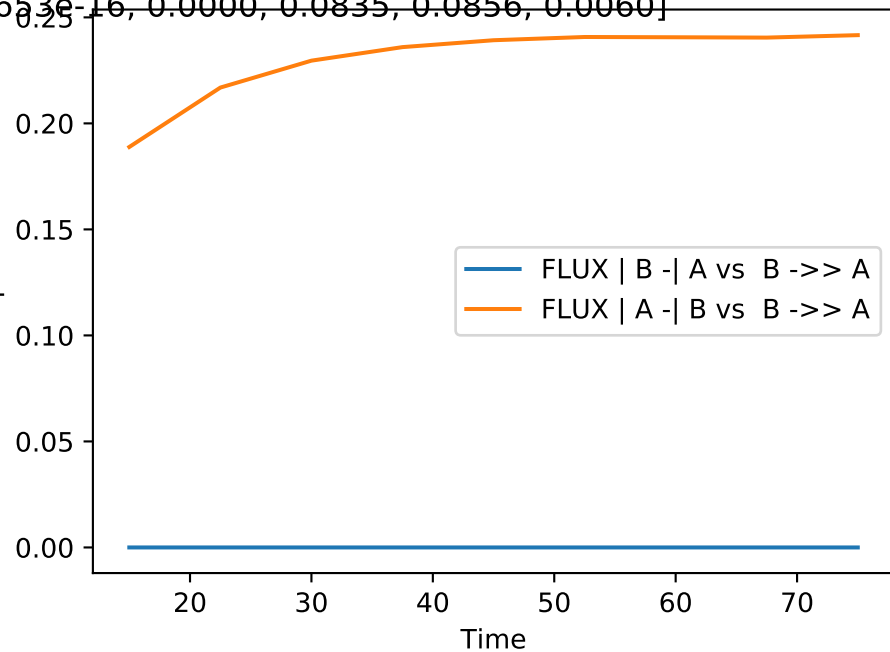
No_up | NLLA No_up(#188):

[4.0616, 3.9063, 0.1850, 0.1895, 3.51e-15, 2.653e-16, 0.0000, 0.0835, 0.0856, 0.0060]

Reaction Rate per second

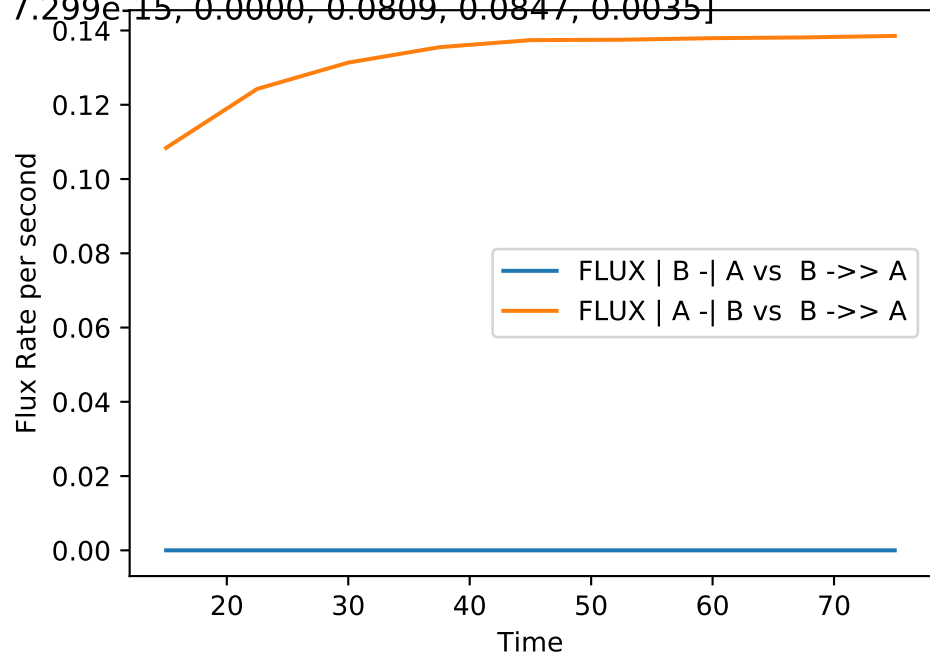
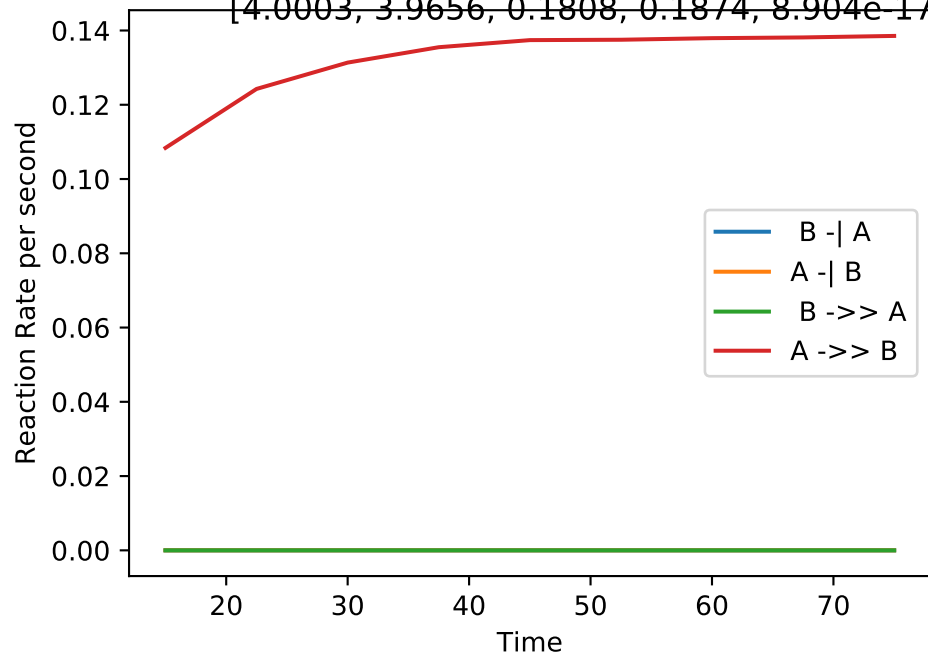


Flux Rate per second



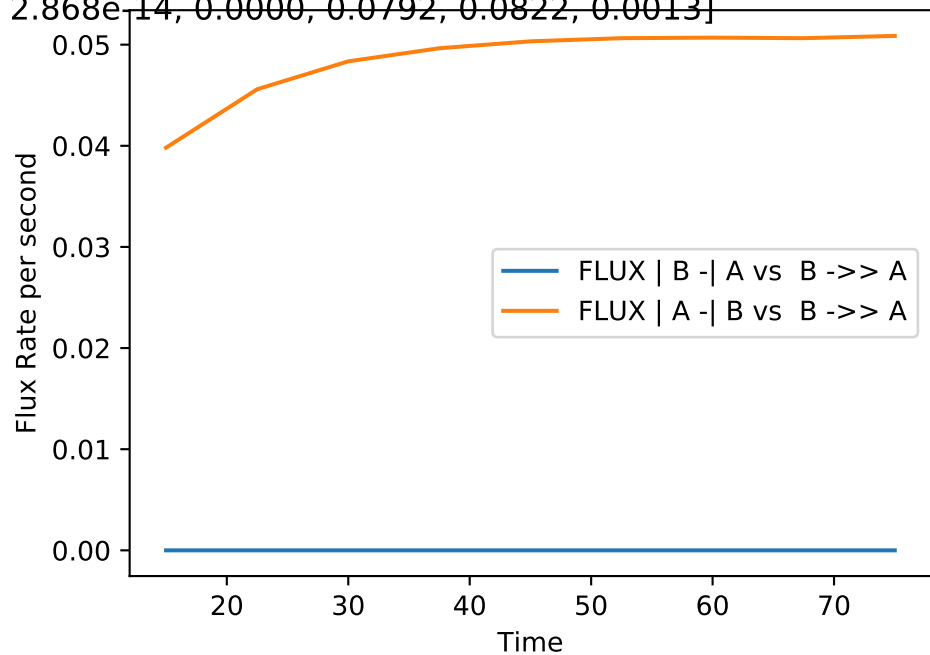
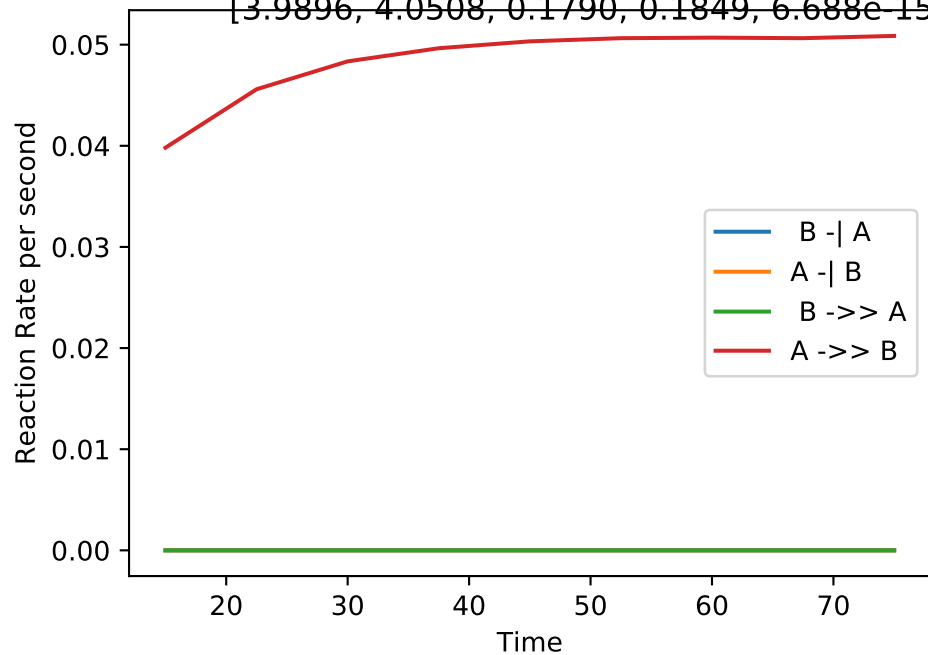
No_up | NLLA No_up(#189):

[4.0003, 3.9656, 0.1808, 0.1874, 8.904e-17, 7.299e-15, 0.0000, 0.0809, 0.0847, 0.0035]



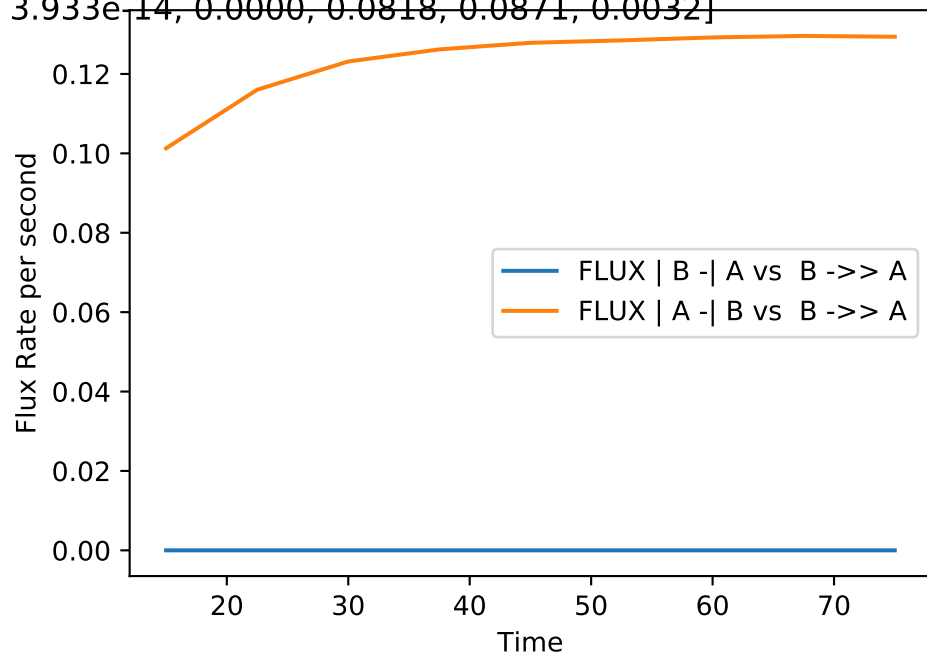
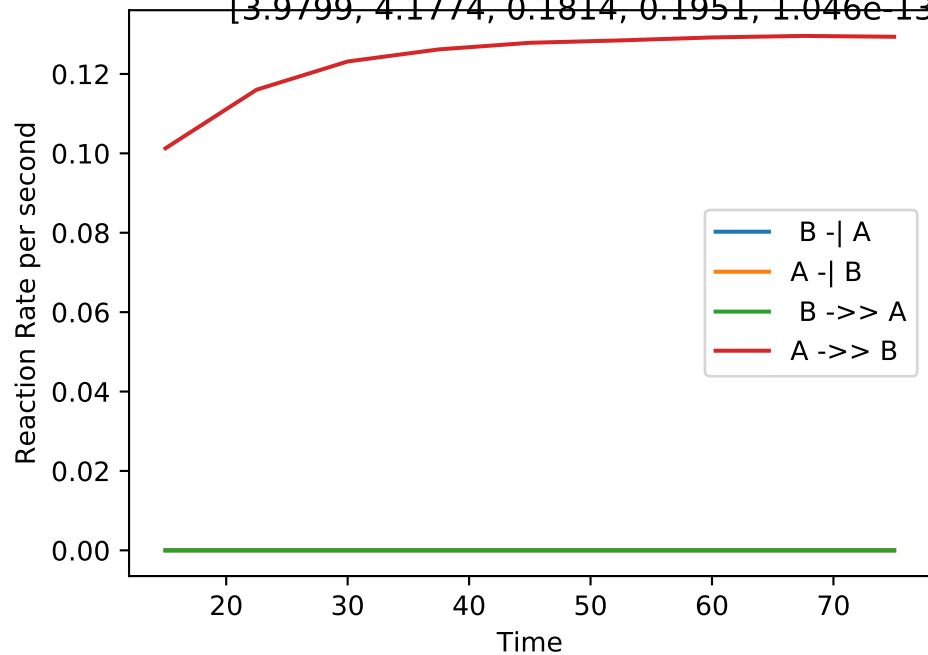
No_up | NLLA No_up(#190):

[3.9896, 4.0508, 0.1790, 0.1849, 6.688e-15, 2.868e-14, 0.0000, 0.0792, 0.0822, 0.0013]



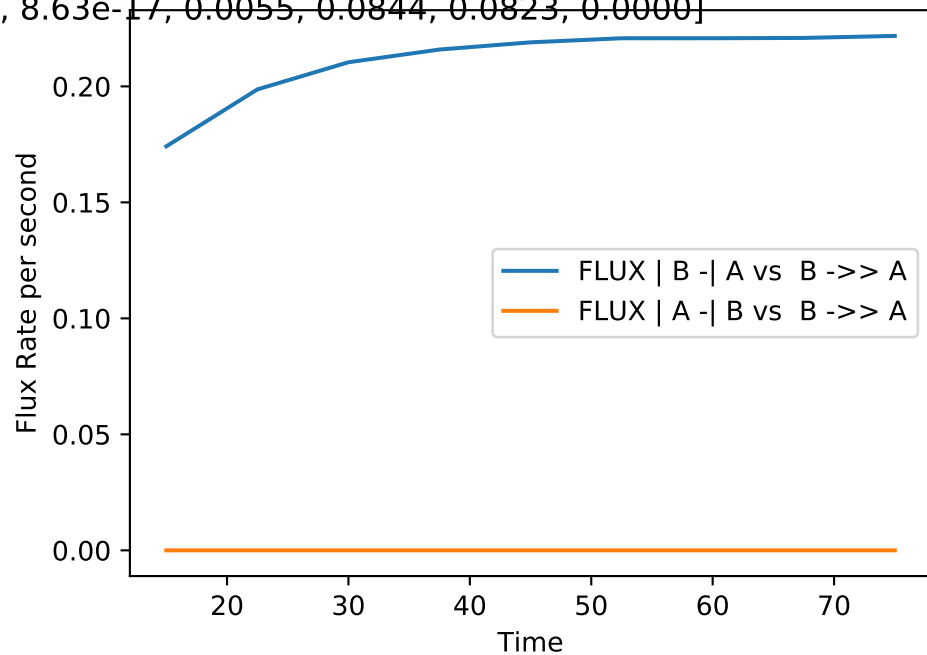
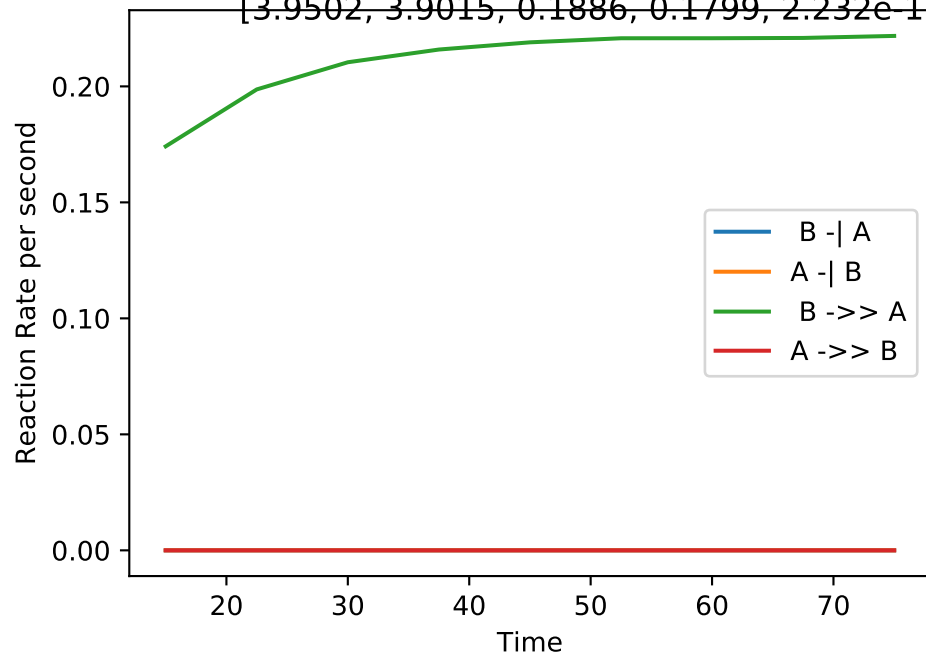
No_up | NLLA No_up(#191):

[3.9799, 4.1774, 0.1814, 0.1951, 1.046e-13, 3.933e-14, 0.0000, 0.0818, 0.0871, 0.0032]



No_up | NLLA No_up(#192):

[3.9502, 3.9015, 0.1886, 0.1799, 2.232e-15, 8.63e-17, 0.0055, 0.0844, 0.0823, 0.0000]



No_up | NLLA No_up(#193):

[3.9863, 3.8903, 0.1827, 0.1750, 3.017e-23, 2.967e-22, 0.0016, 0.0814, 0.0779, 0.0000]

Reaction Rate per second

0.06
0.05
0.04
0.03
0.02
0.01
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.06
0.05
0.04
0.03
0.02
0.01
0.00

20

30

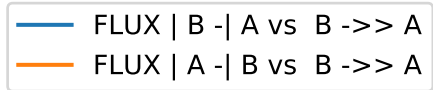
40

50

60

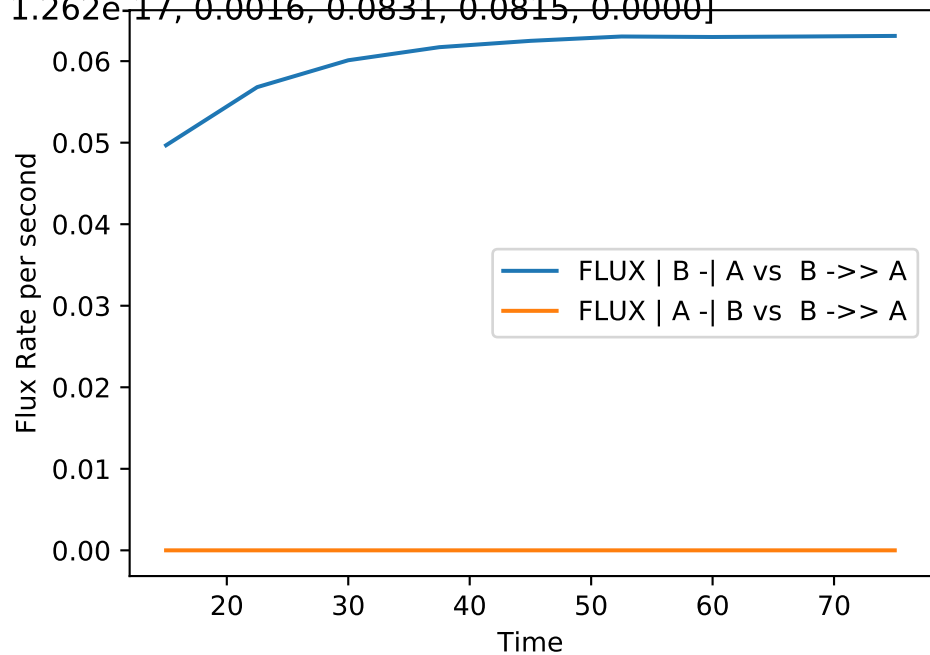
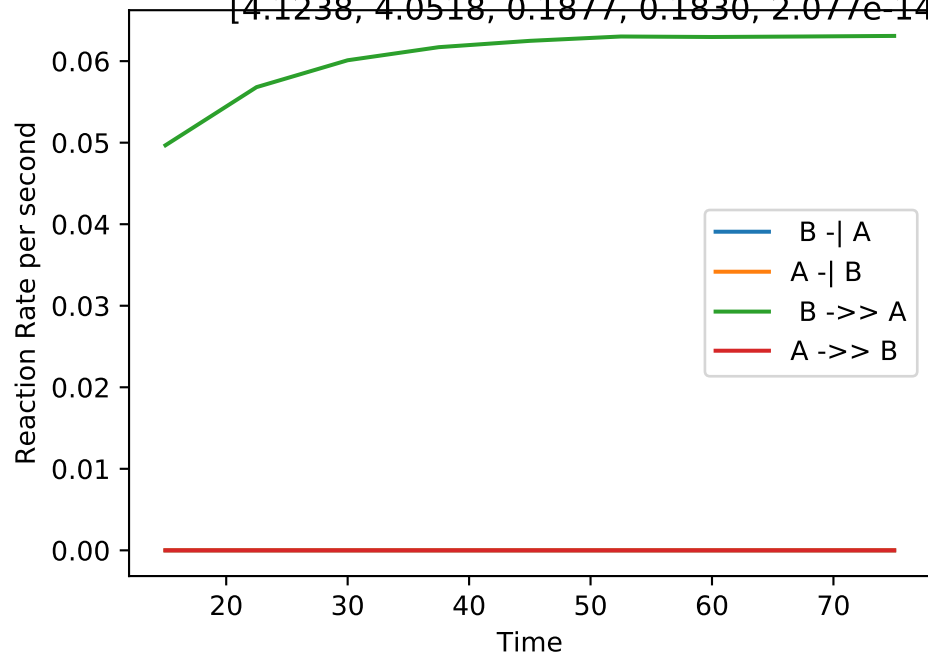
70

Time



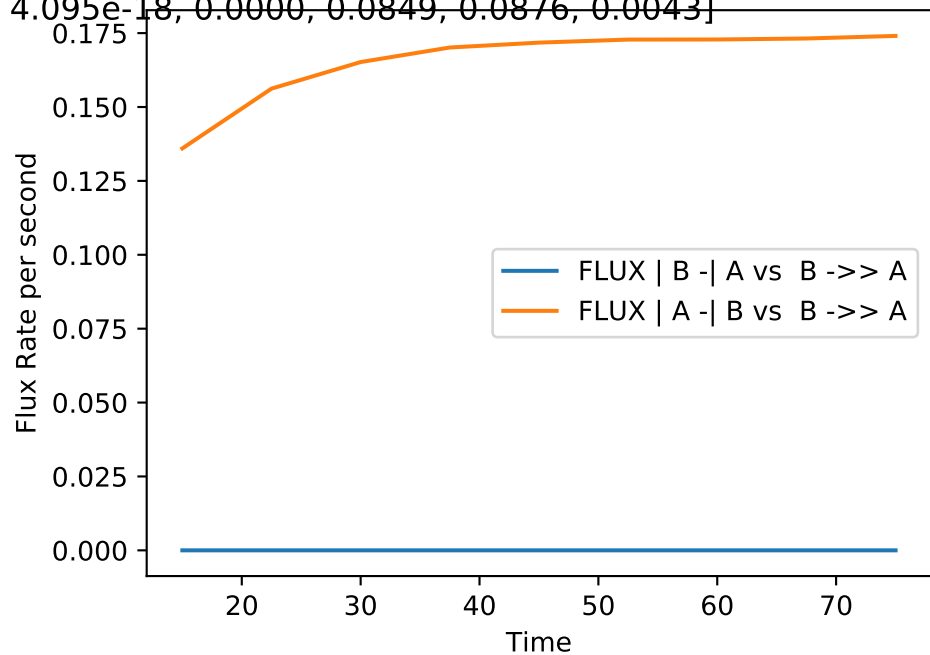
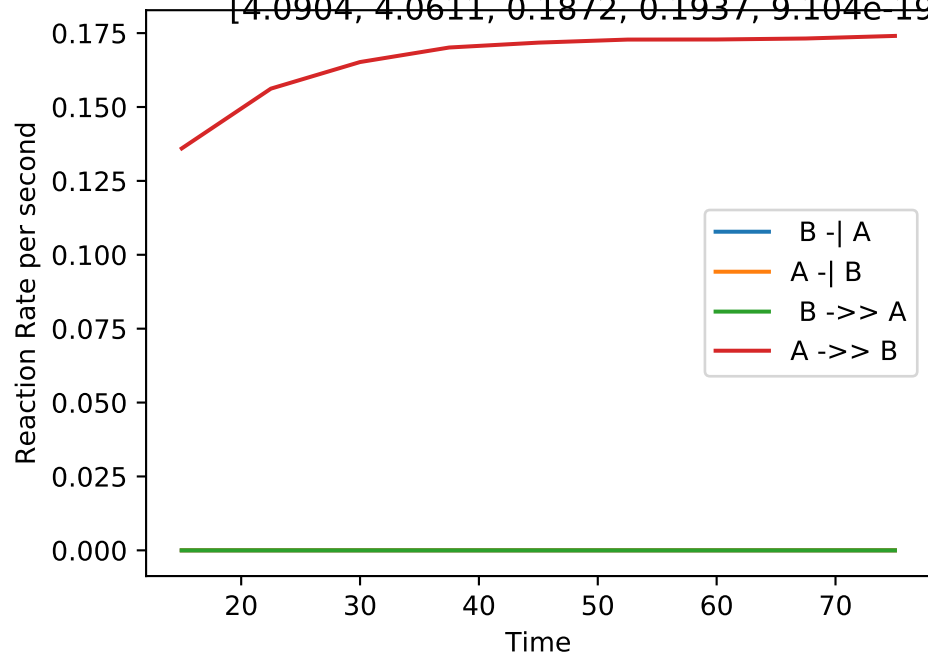
No_up | NLLA No_up(#194):

[4.1238, 4.0518, 0.1877, 0.1830, 2.077e-14, 1.262e-17, 0.0016, 0.0831, 0.0815, 0.0000]



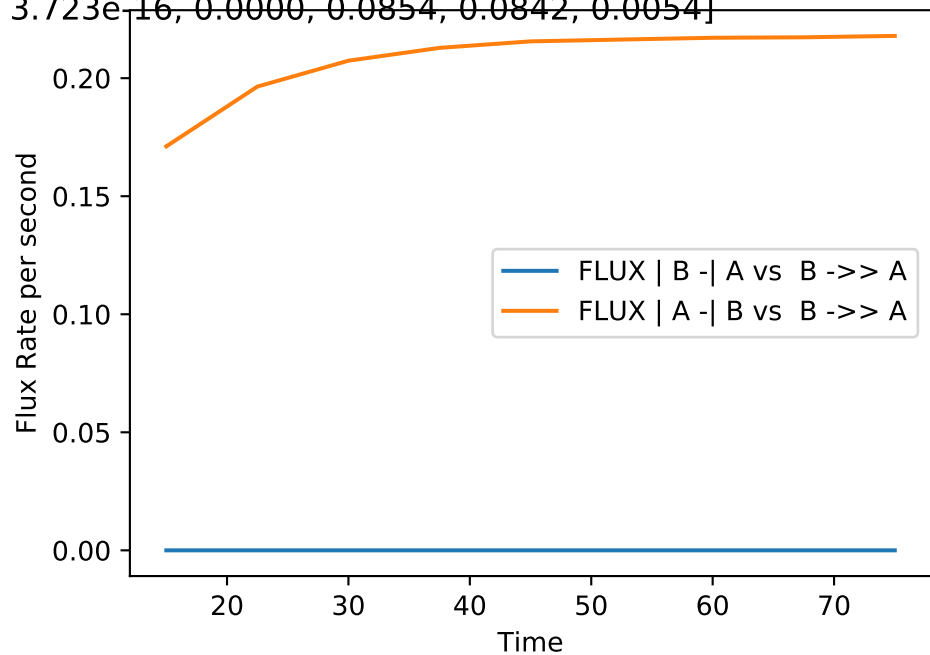
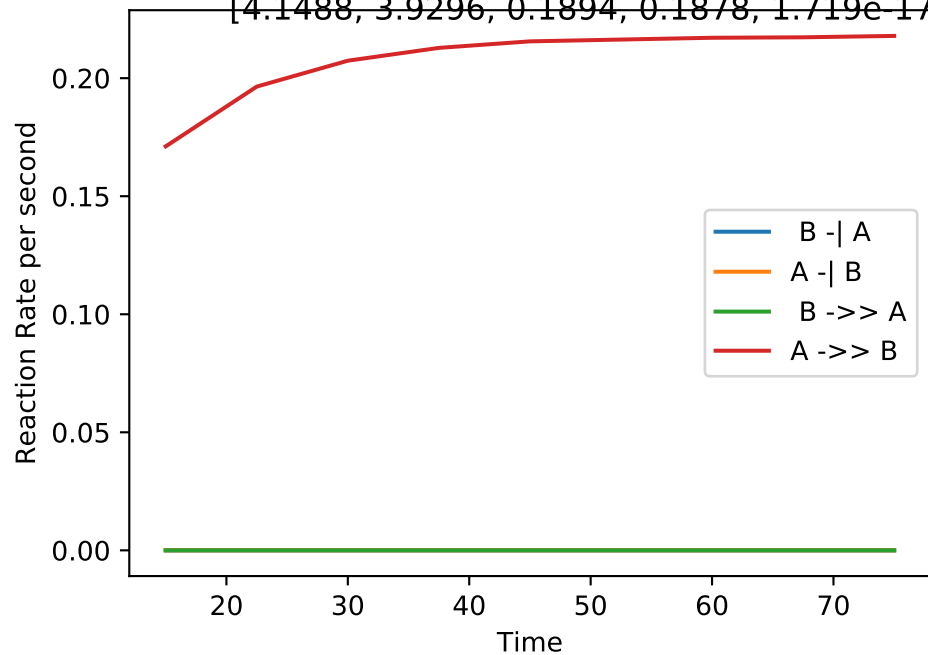
No_up | NLLA No_up(#195):

[4.0904, 4.0611, 0.1872, 0.1937, 9.104e-19, 4.095e-18, 0.0000, 0.0849, 0.0876, 0.0043]



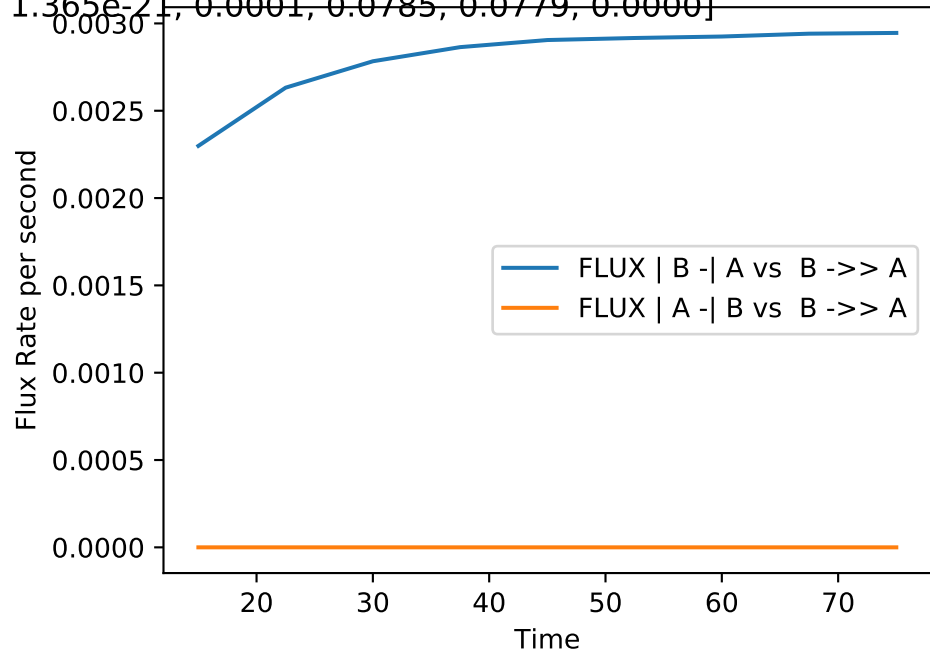
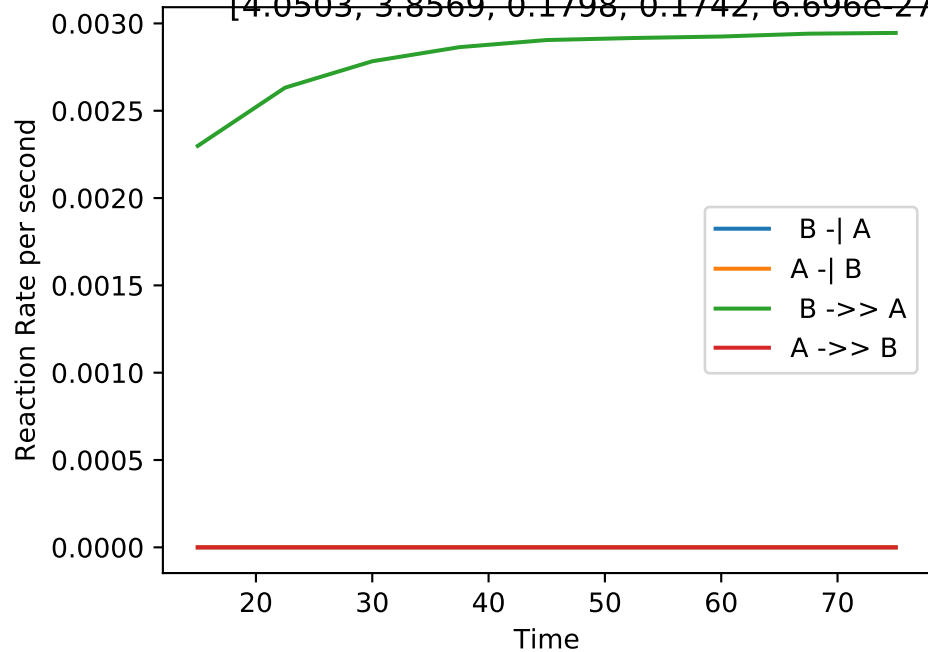
No_up | NLLA No_up(#196):

[4.1488, 3.9296, 0.1894, 0.1878, 1.719e-17, 3.723e-16, 0.0000, 0.0854, 0.0842, 0.0054]



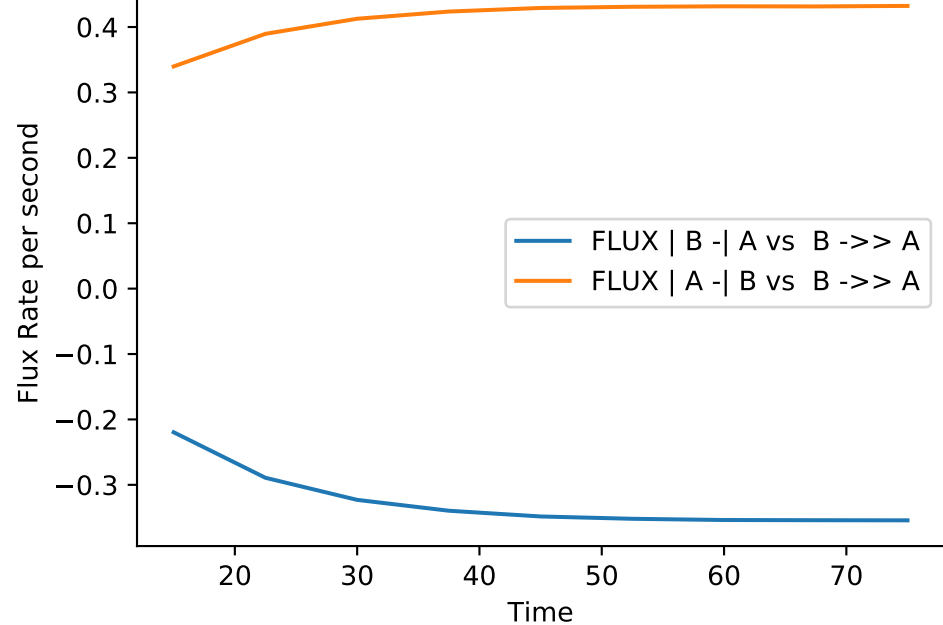
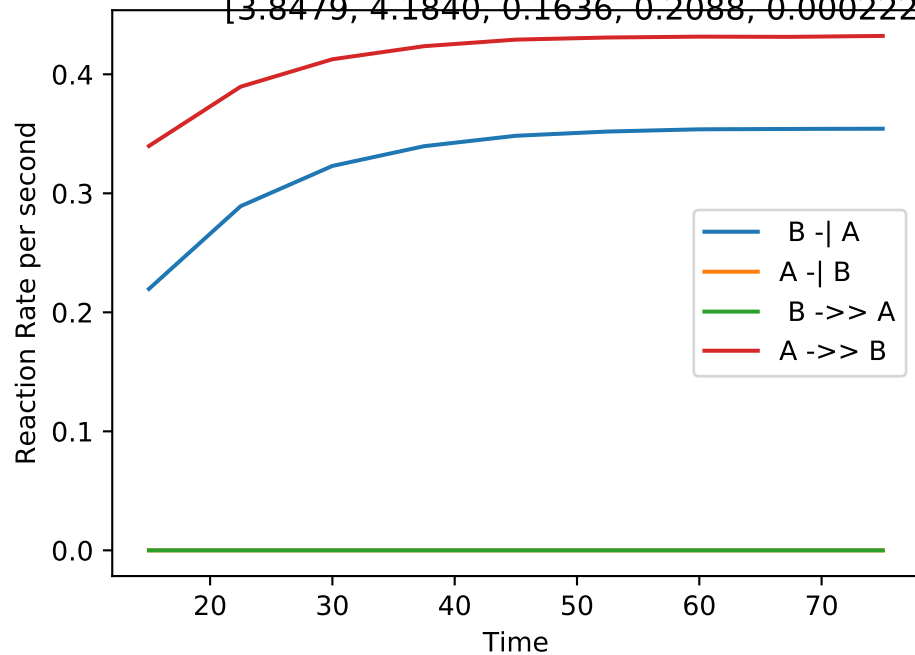
No_up | NLLA No_up(#197):

[4.0503, 3.8569, 0.1798, 0.1742, 6.696e-27, 1.365e-21, 0.0001, 0.0785, 0.0779, 0.0000]



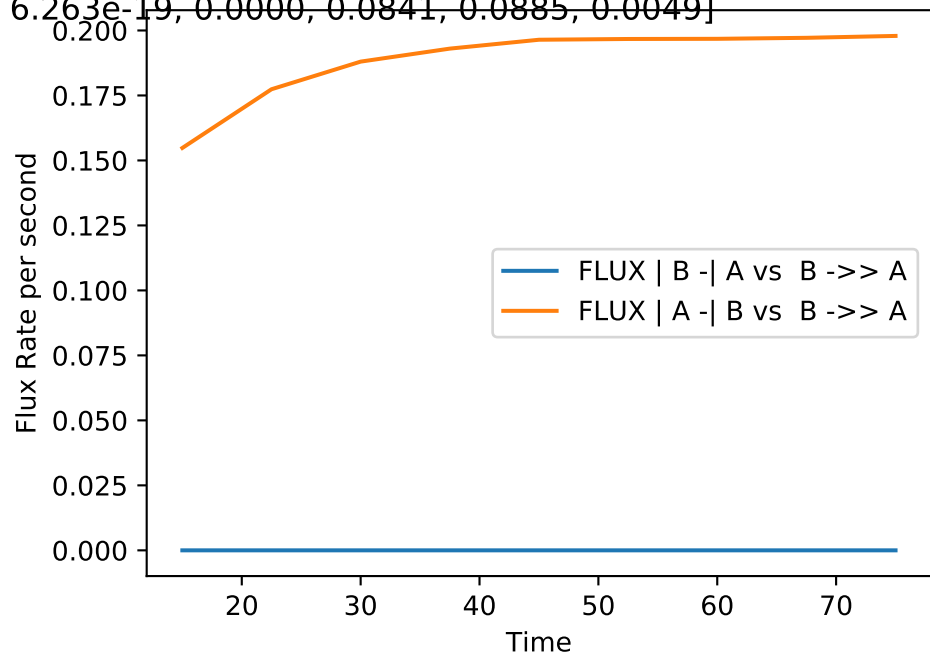
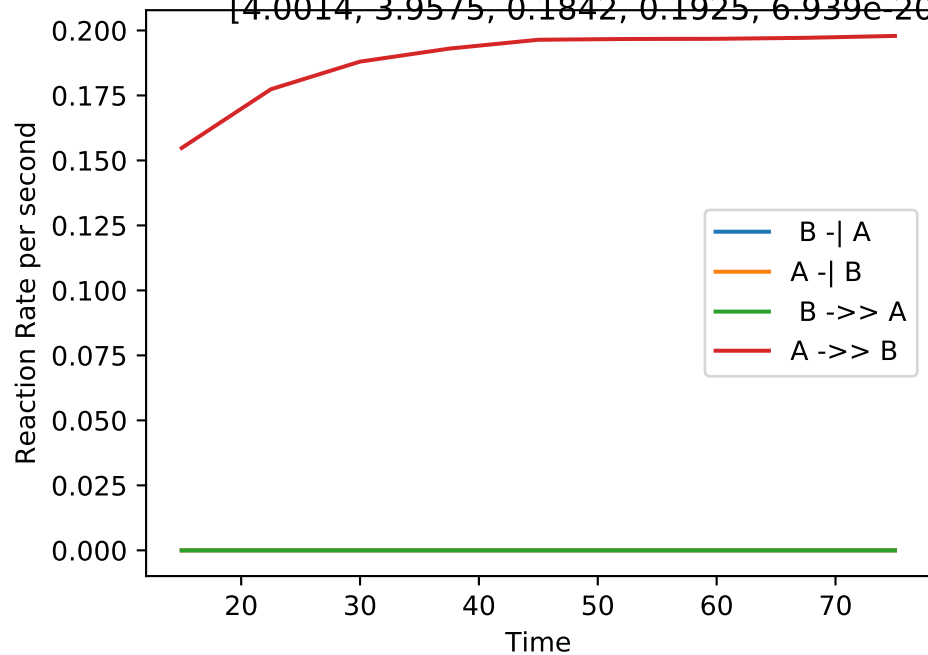
No_up | NLLA No_up(#198):

[3.8479, 4.1840, 0.1636, 0.2088, 0.0002225, 6.075e-18, 0.0000, 0.0762, 0.0930, 0.0108]



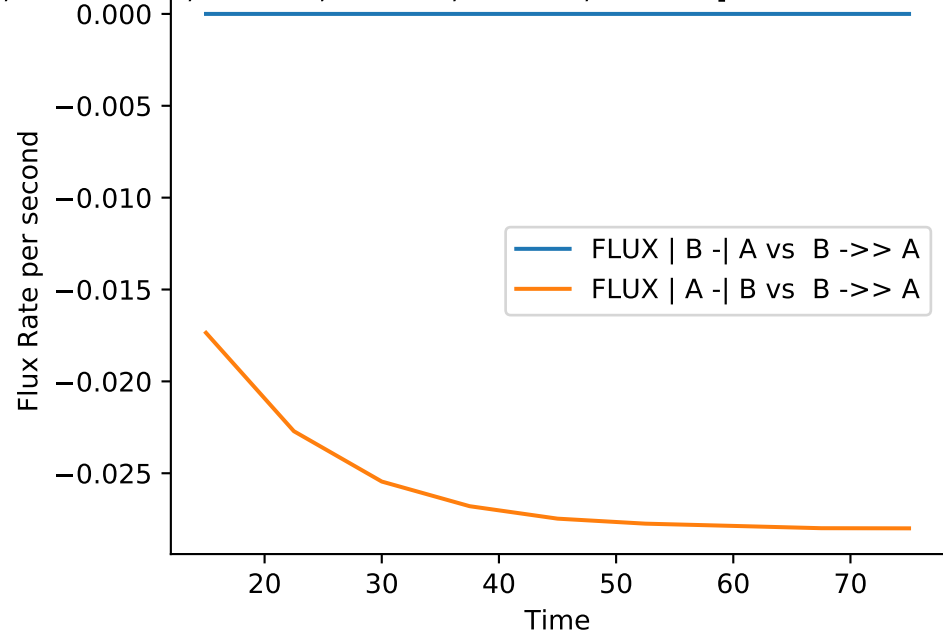
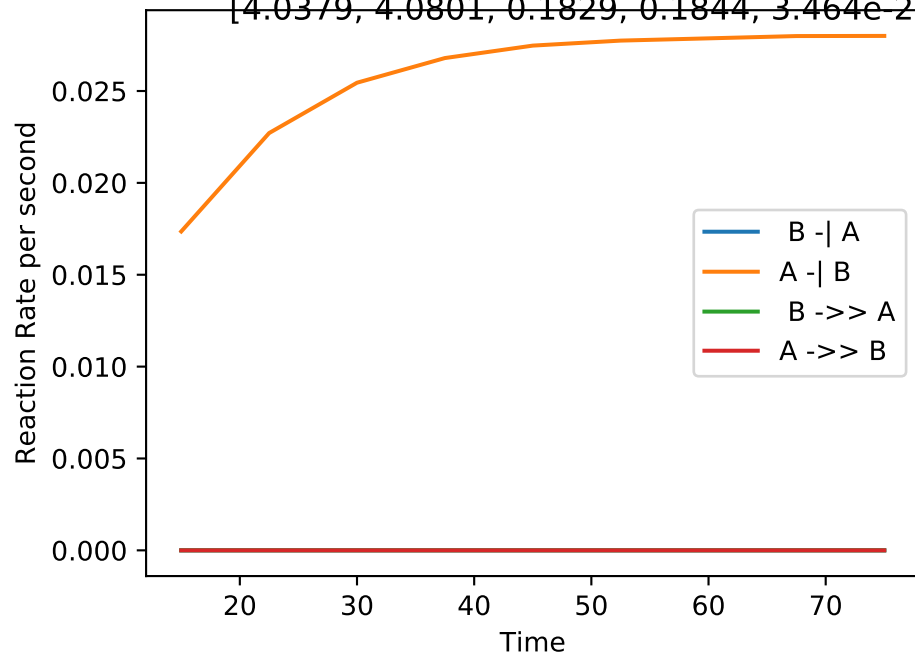
No_up | NLLA No_up(#199):

[4.0014, 3.9575, 0.1842, 0.1925, 6.939e-20, 6.263e-19, 0.0000, 0.0841, 0.0885, 0.0049]



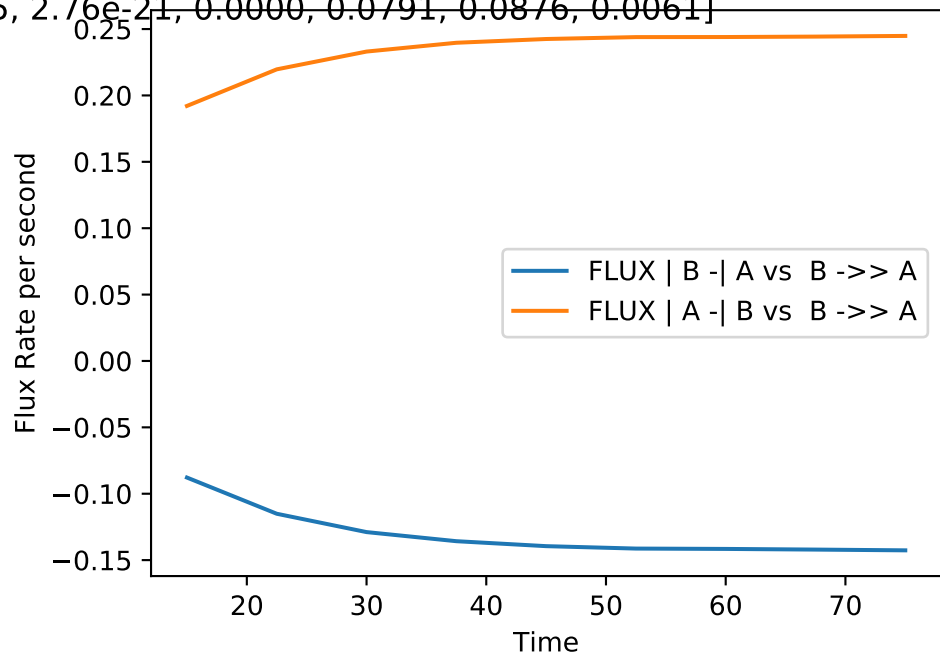
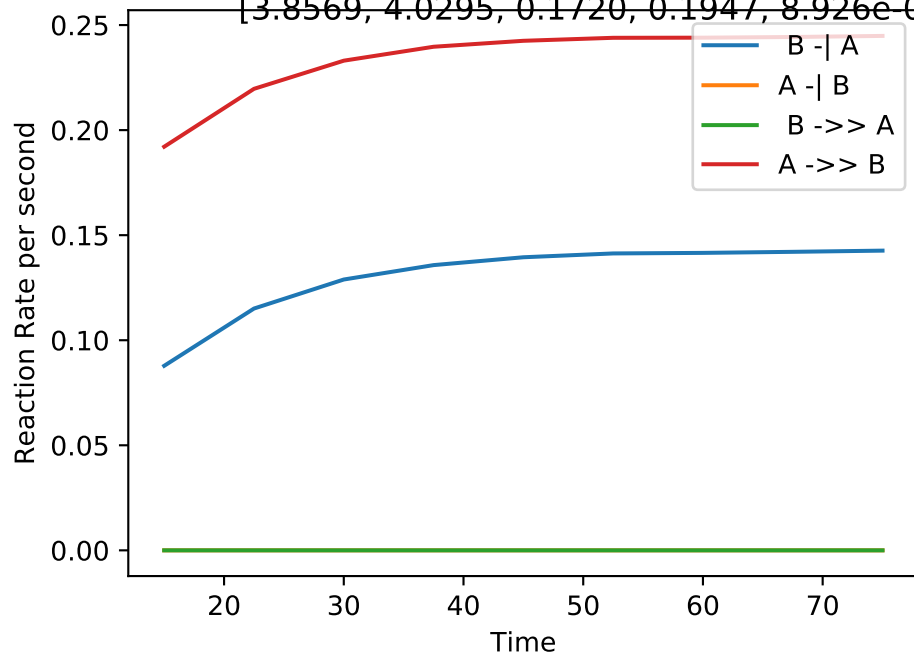
No_up | NLLA No_up(#200):

[4.0379, 4.0801, 0.1829, 0.1844, 3.464e-22, 1.756e-05, 0.0000, 0.0818, 0.0829, 0.0000]



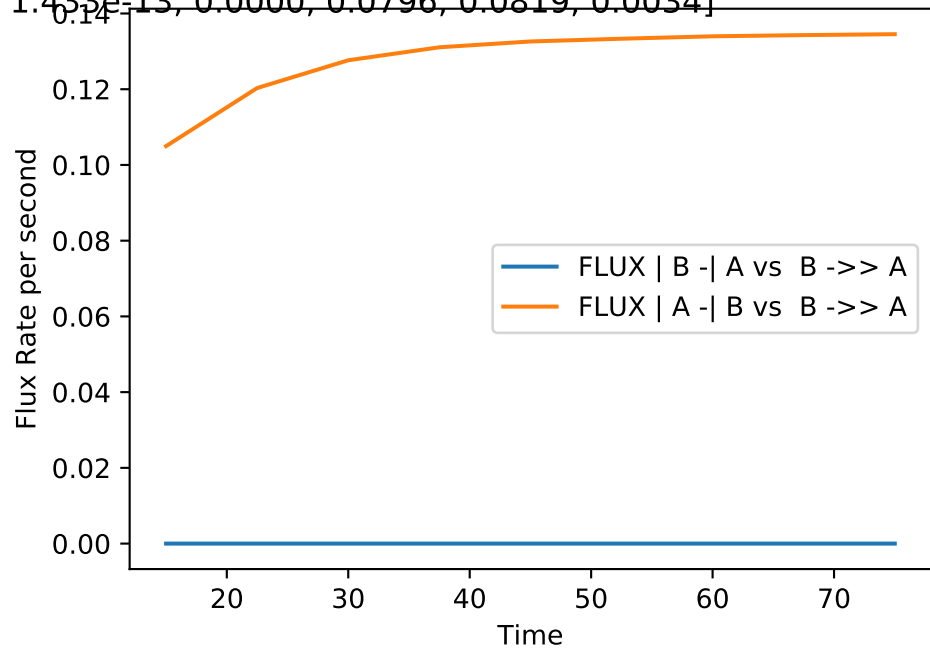
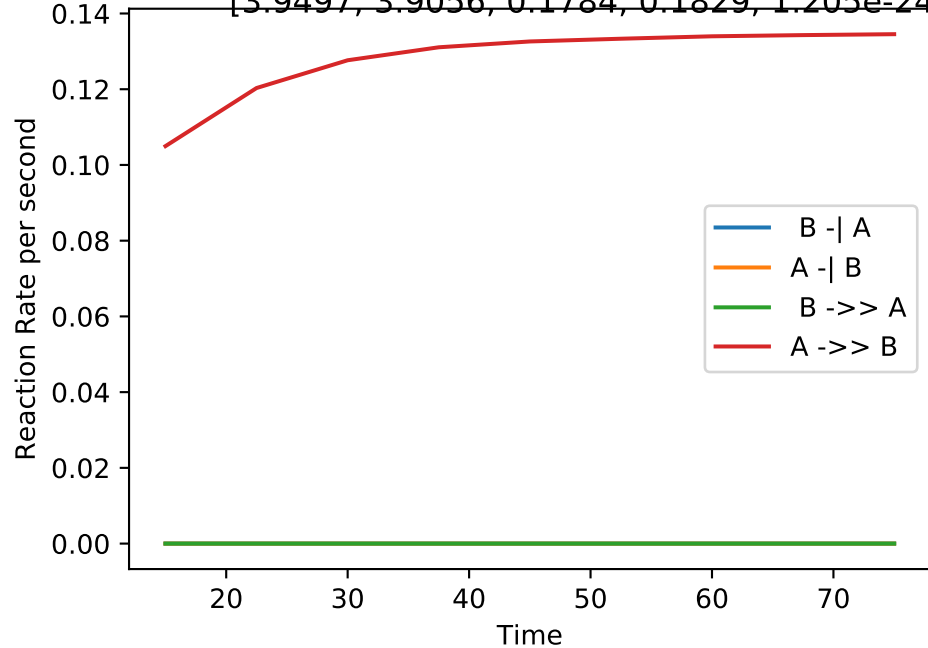
No_up | NLLA No_up(#201):

[3.8569, 4.0295, 0.1720, 0.1947, 8.926e-05, 2.76e-21, 0.0000, 0.0791, 0.0876, 0.0061]



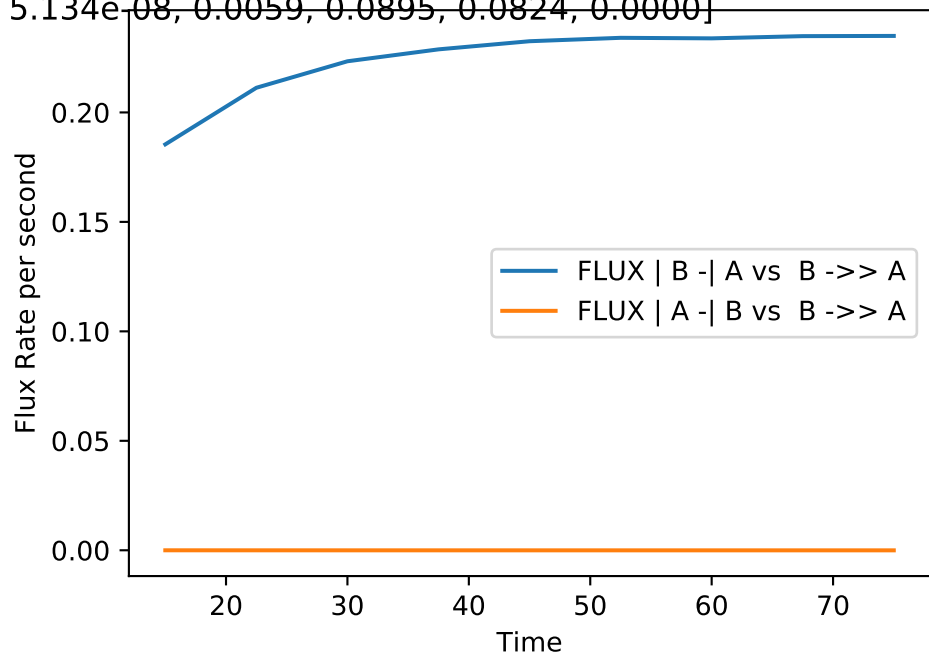
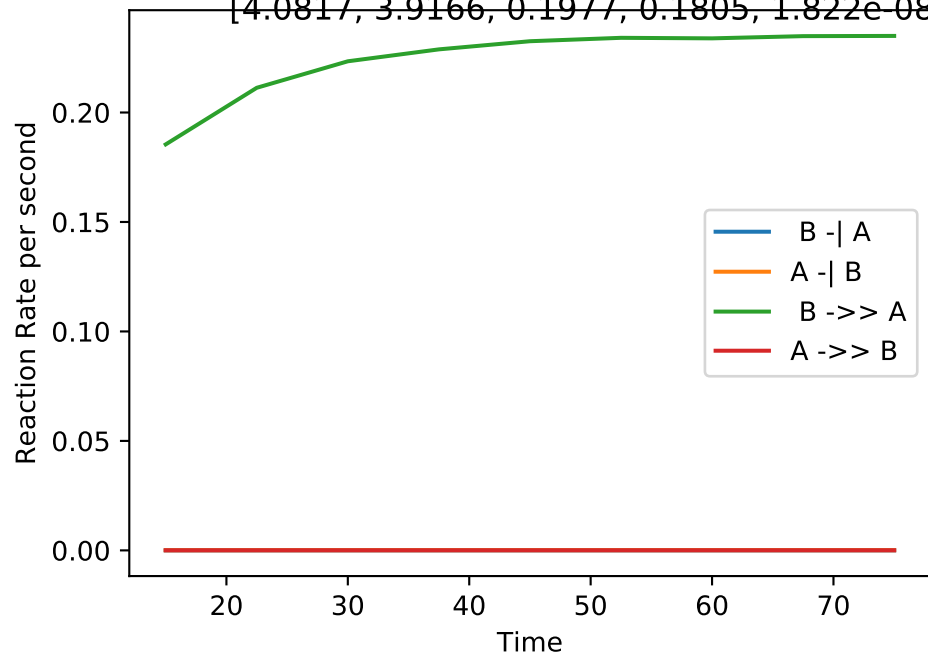
No_up | NLLA No_up(#202):

[3.9497, 3.9056, 0.1784, 0.1829, 1.205e-24, 1.433e-13, 0.0000, 0.0796, 0.0819, 0.0034]



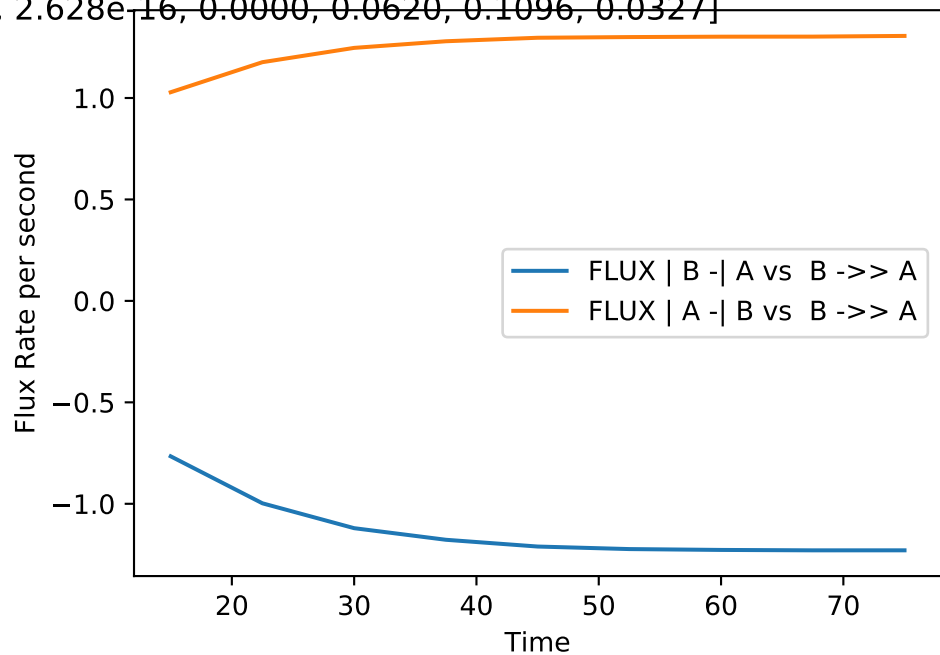
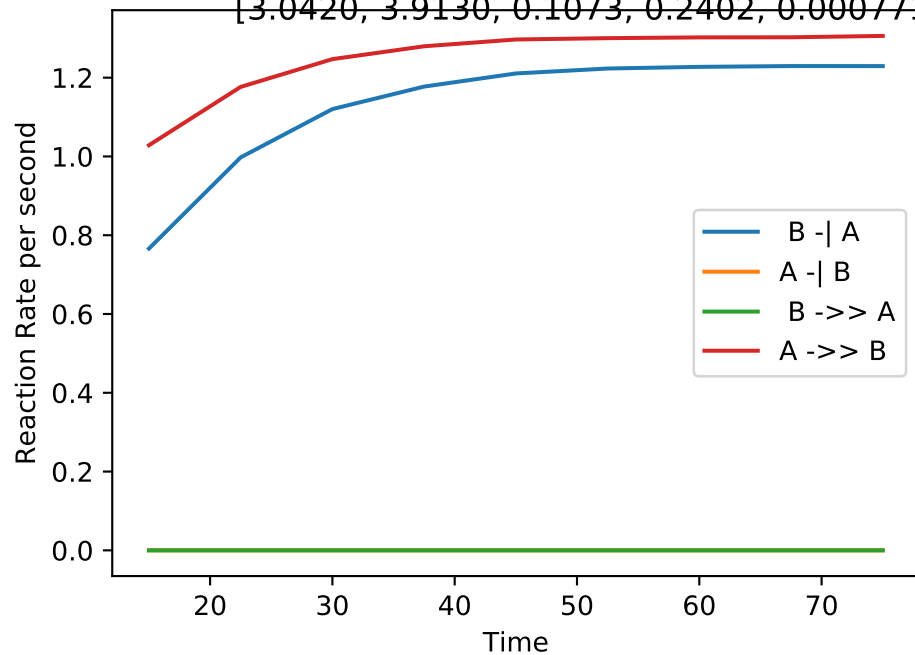
No_up | NLLA No_up(#203):

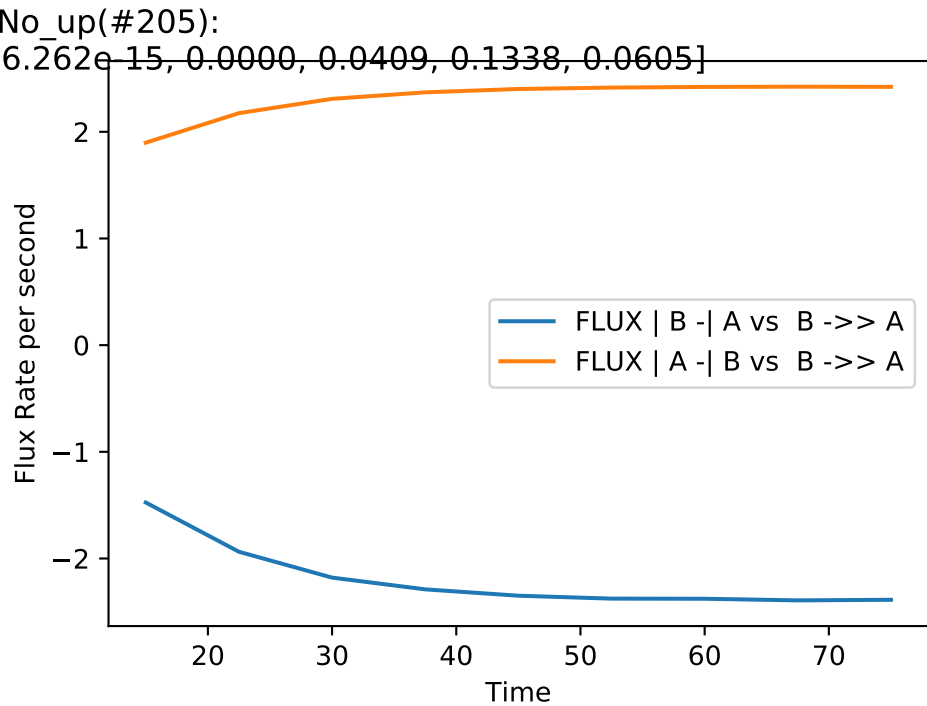
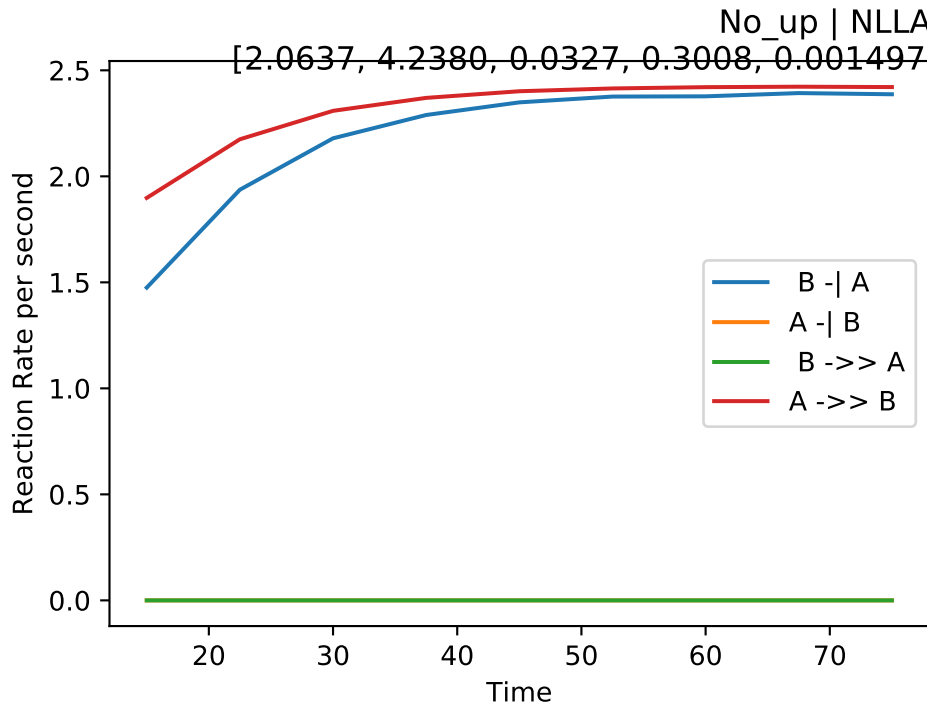
[4.0817, 3.9166, 0.1977, 0.1805, 1.822e-08, 5.134e-08, 0.0059, 0.0895, 0.0824, 0.0000]



No_up | NLLA No_up(#204):

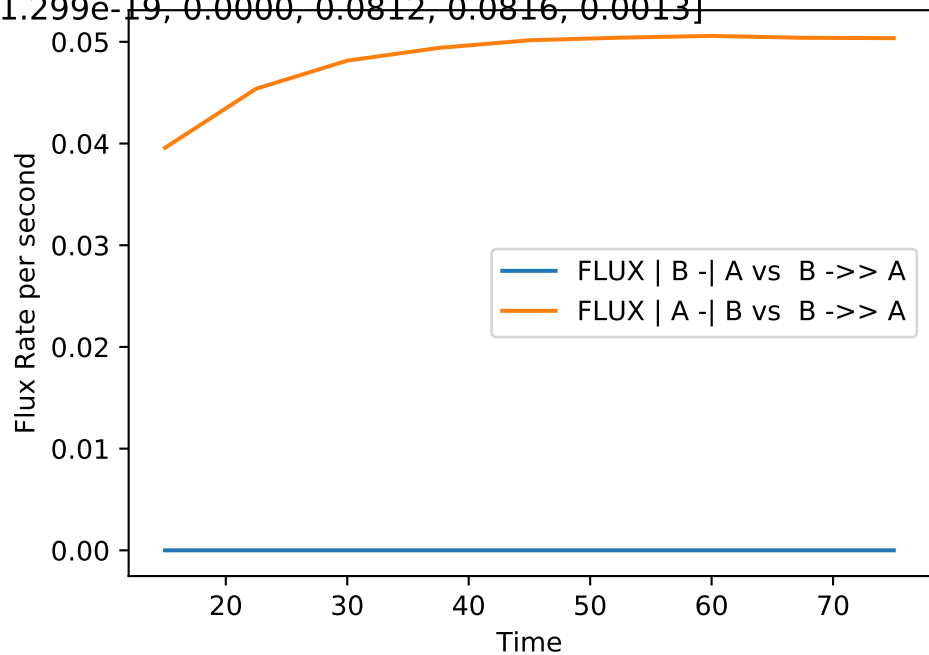
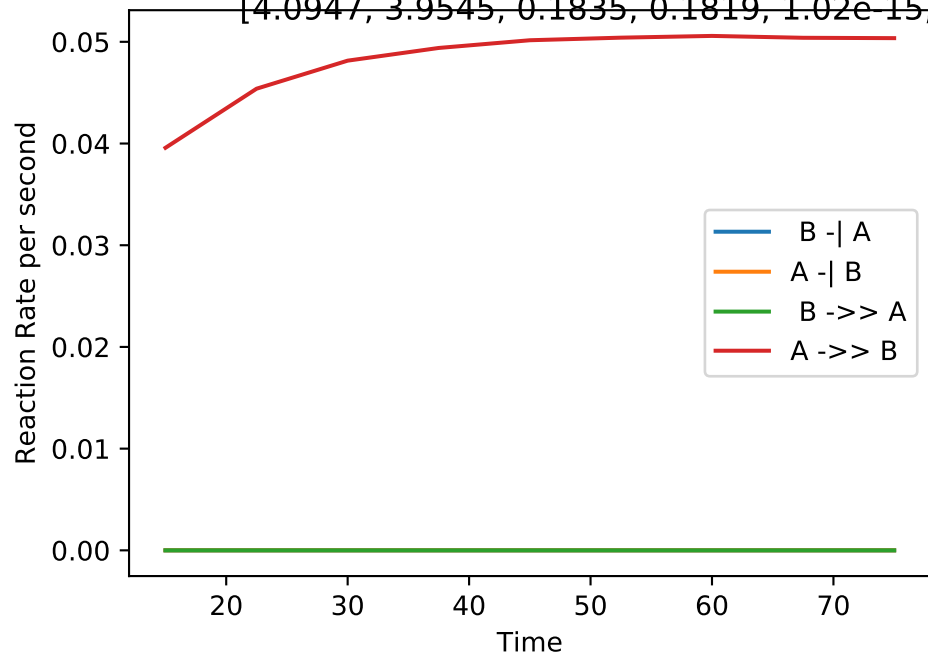
[3.0420, 3.9130, 0.1073, 0.2402, 0.000771, 2.628e-16, 0.0000, 0.0620, 0.1096, 0.0327]





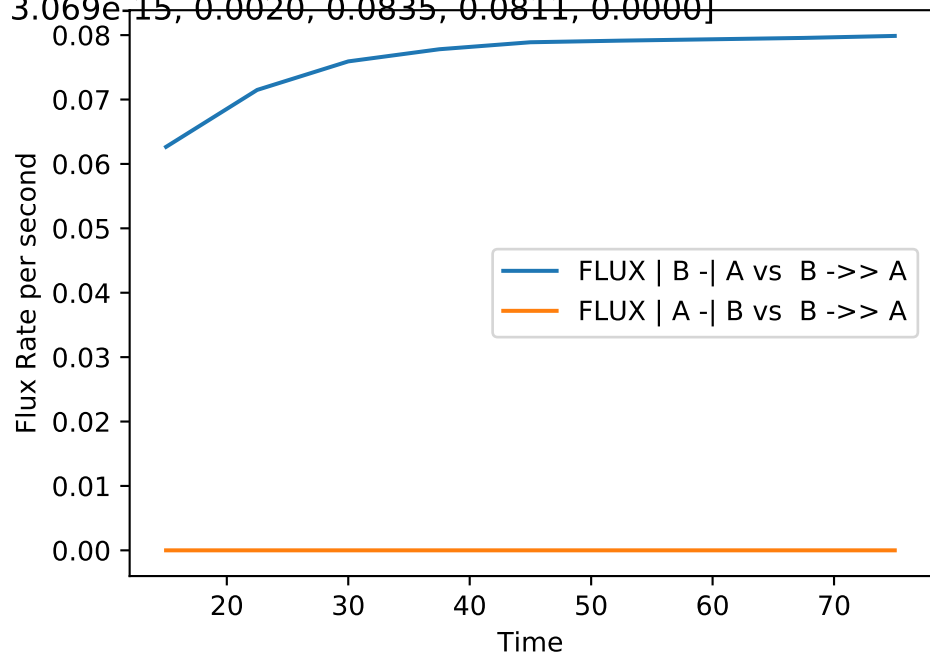
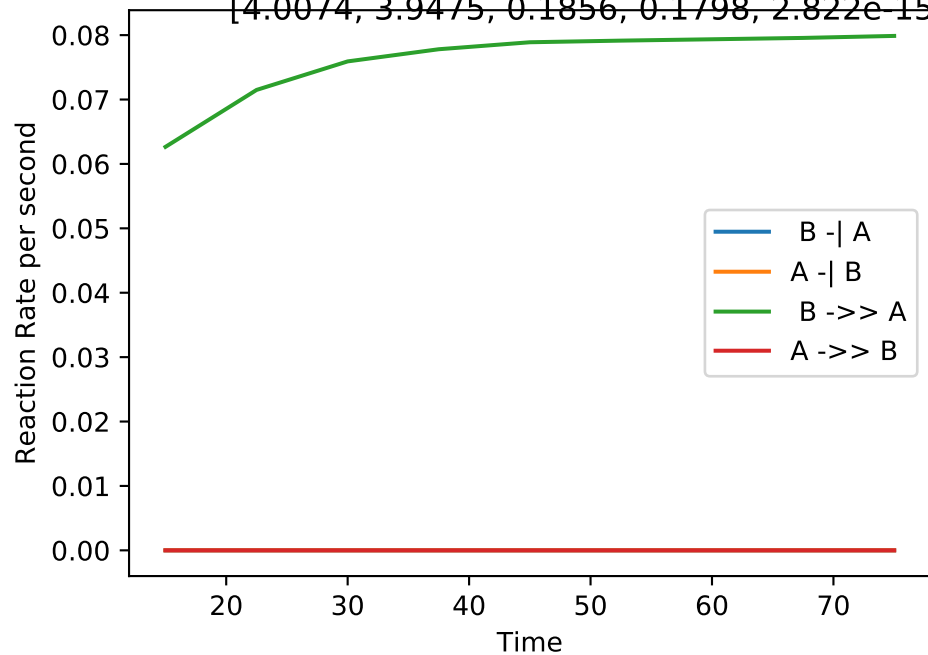
No_up | NLLA No_up(#206):

[4.0947, 3.9545, 0.1835, 0.1819, 1.02e-15, 1.299e-19, 0.0000, 0.0812, 0.0816, 0.0013]



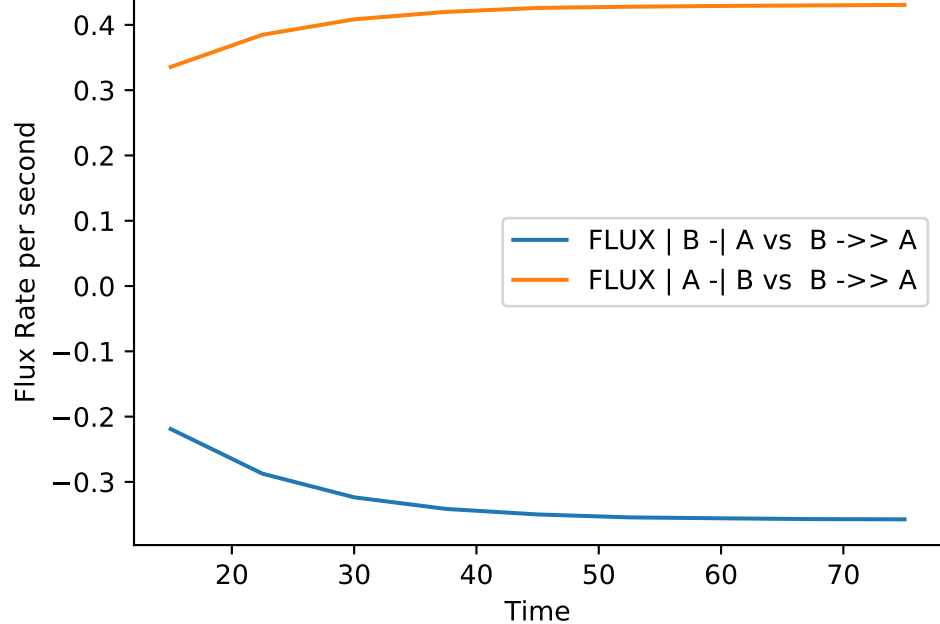
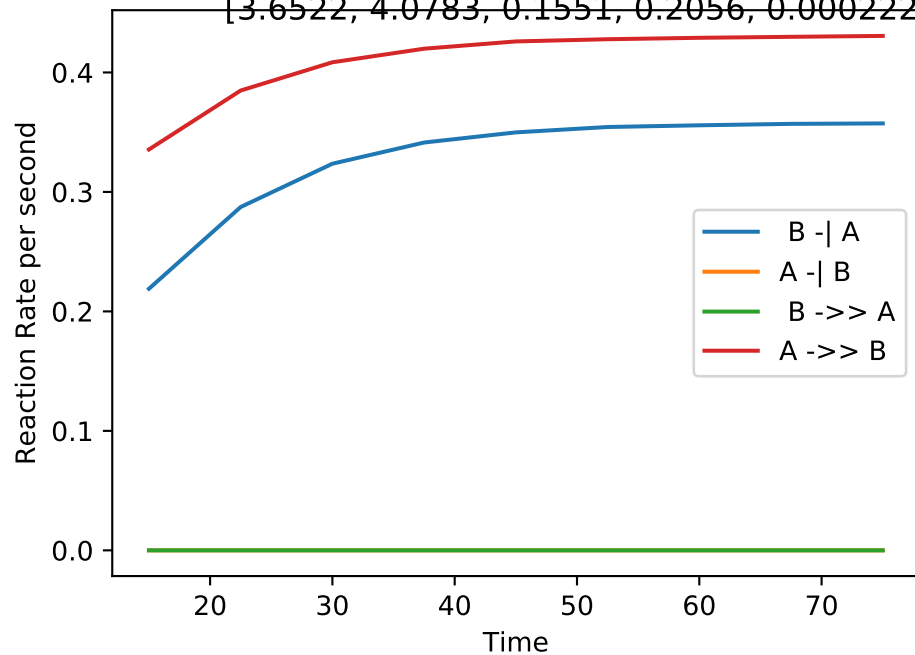
No_up | NLLA No_up(#207):

[4.0074, 3.9475, 0.1856, 0.1798, 2.822e-15, 3.069e-15, 0.0020, 0.0835, 0.0811, 0.0000]



No_up | NLLA No_up(#208):

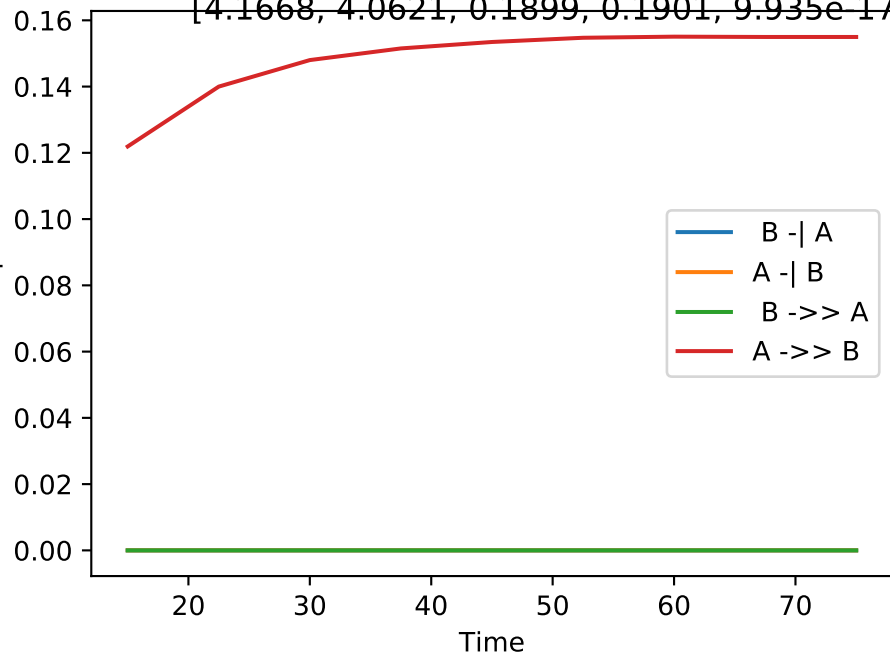
[3.6522, 4.0783, 0.1551, 0.2056, 0.0002229, 4.473e-13, 0.0000, 0.0730, 0.0928, 0.0107]



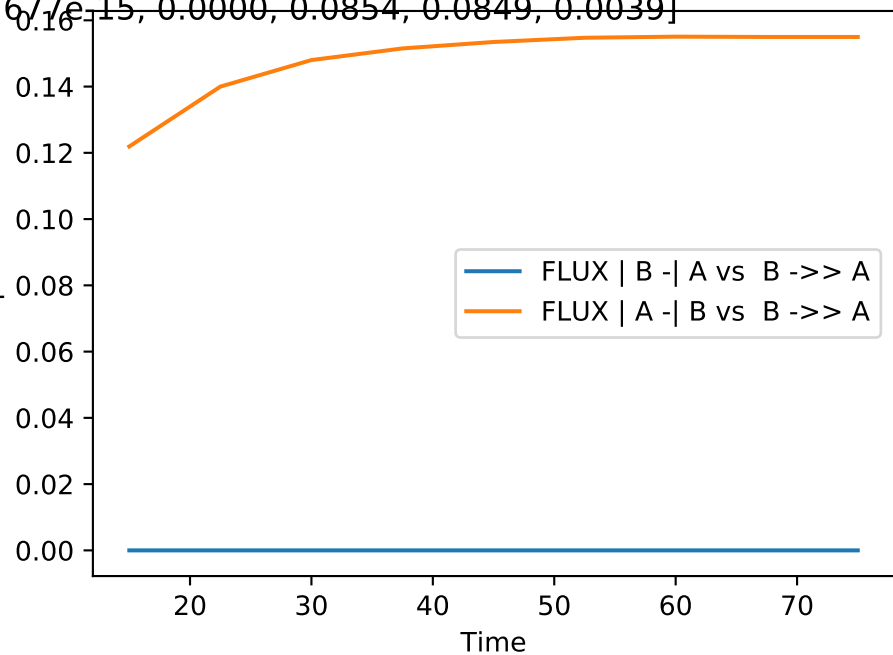
No_up | NLLA No_up(#209):

[4.1668, 4.0621, 0.1899, 0.1901, 9.935e-17, 3.677e-15, 0.0000, 0.0854, 0.0849, 0.0039]

Reaction Rate per second



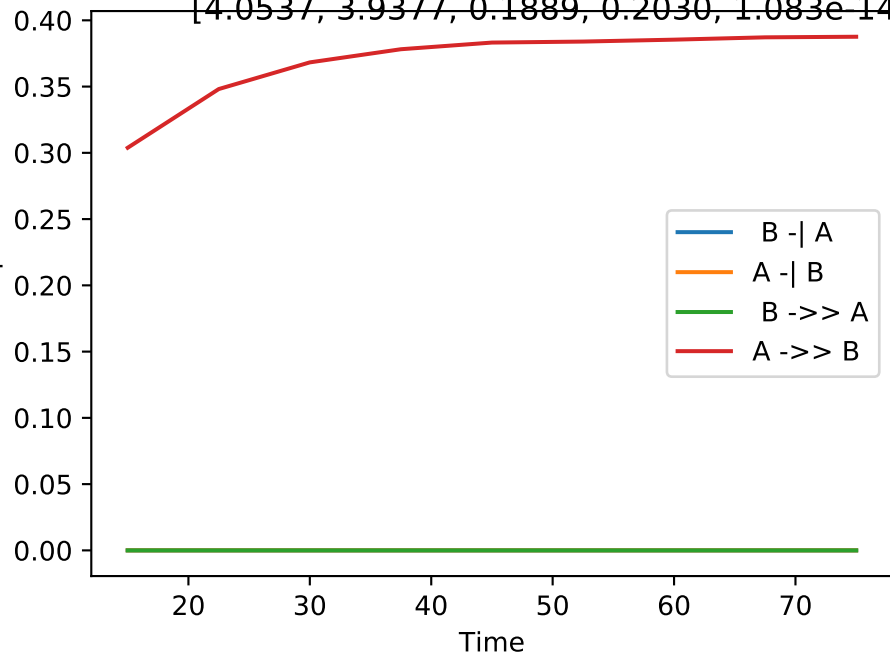
Flux Rate per second



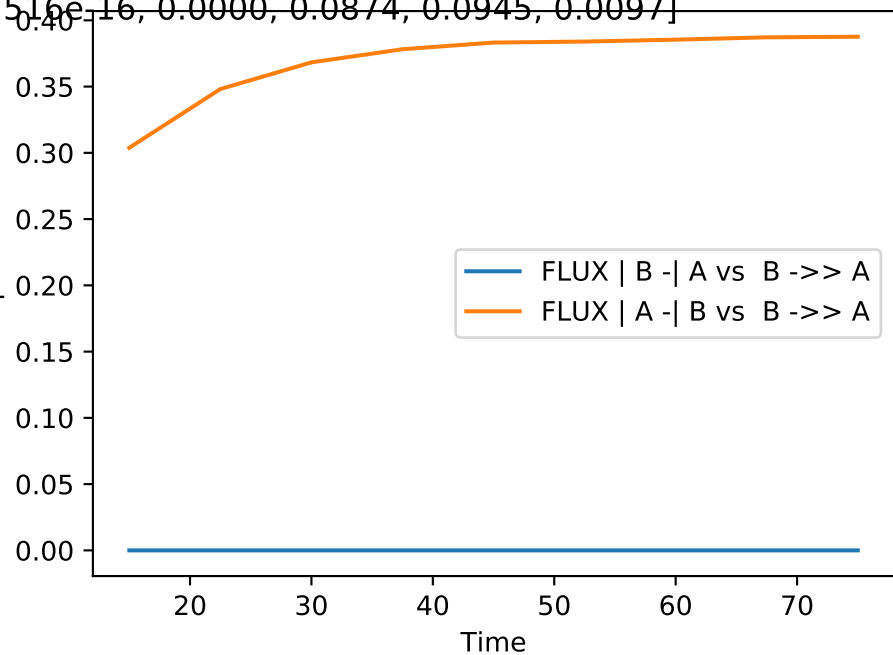
No_up | NLLA No_up(#210):

[4.0537, 3.9377, 0.1889, 0.2030, 1.083e-14, 1.516e-16, 0.0000, 0.0874, 0.0945, 0.0097]

Reaction Rate per second

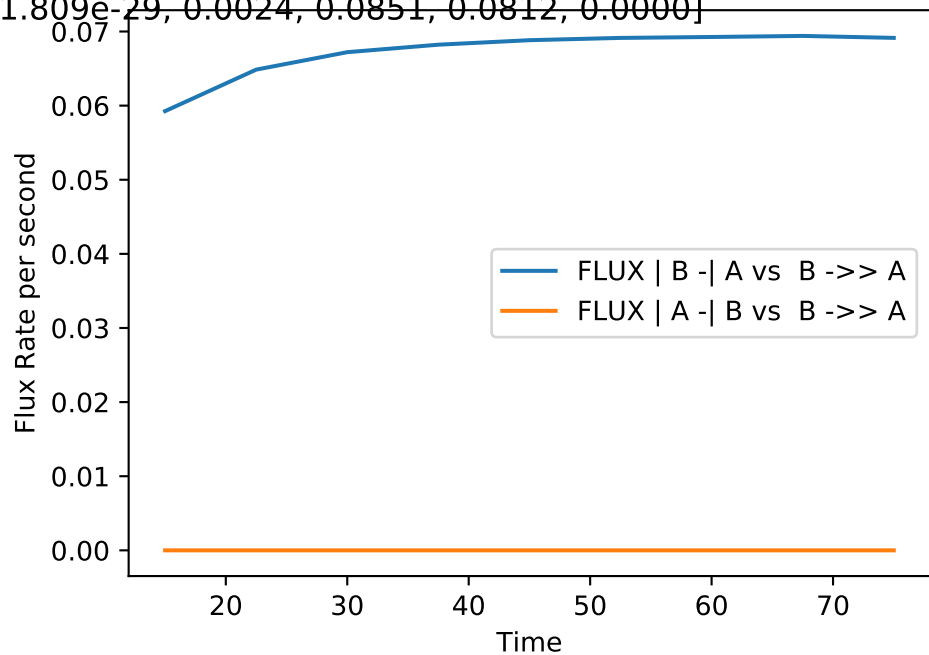
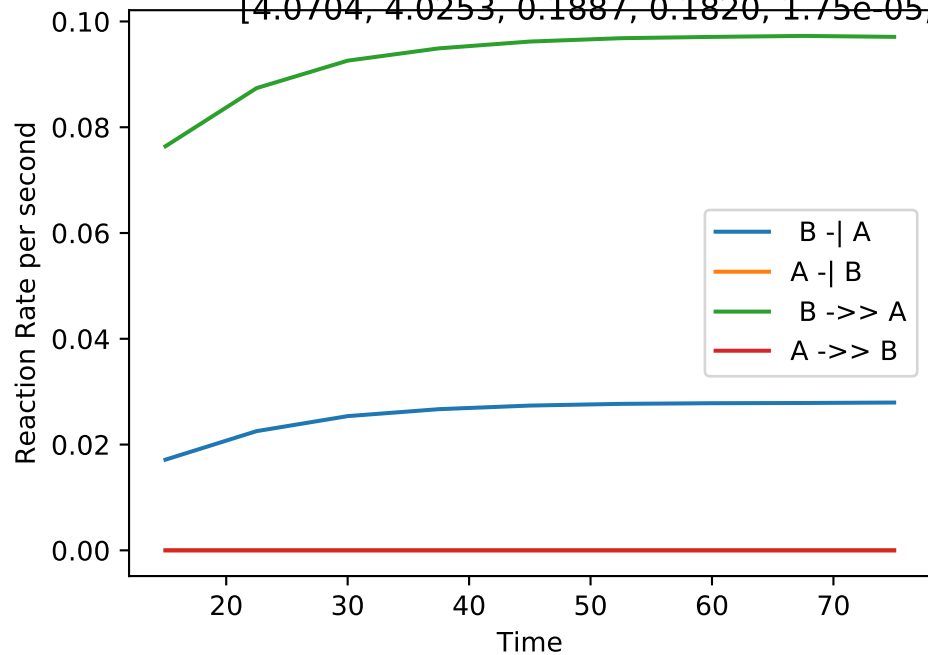


Flux Rate per second



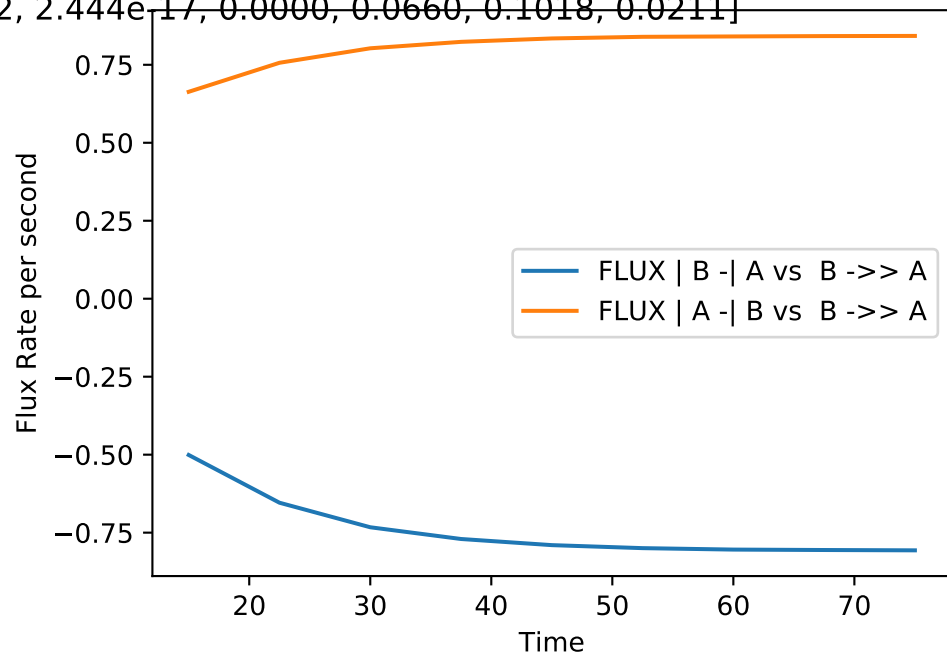
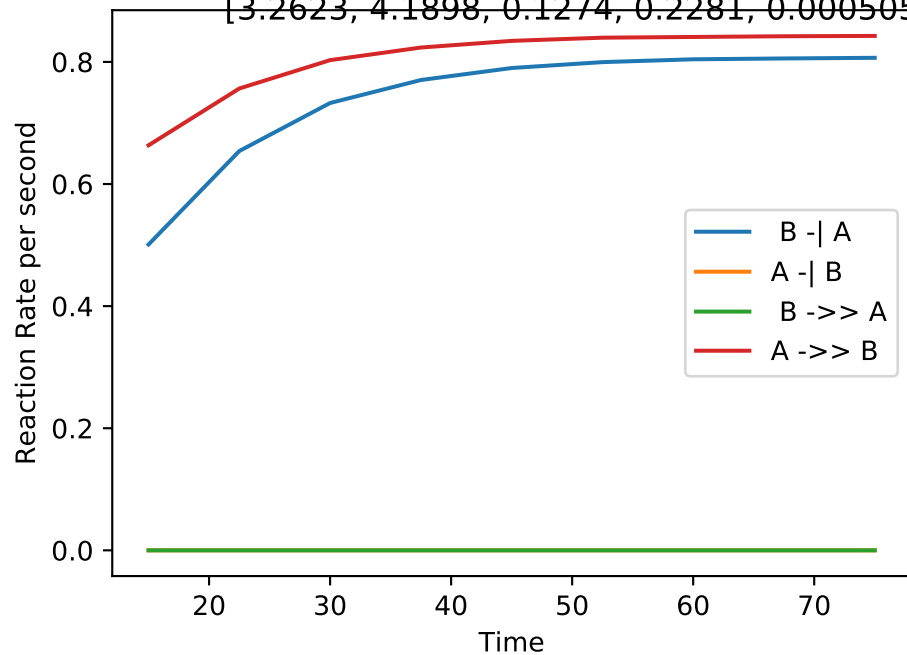
No_up | NLLA No_up(#211):

[4.0704, 4.0253, 0.1887, 0.1820, 1.75e-05, 1.809e-29, 0.0024, 0.0851, 0.0812, 0.0000]



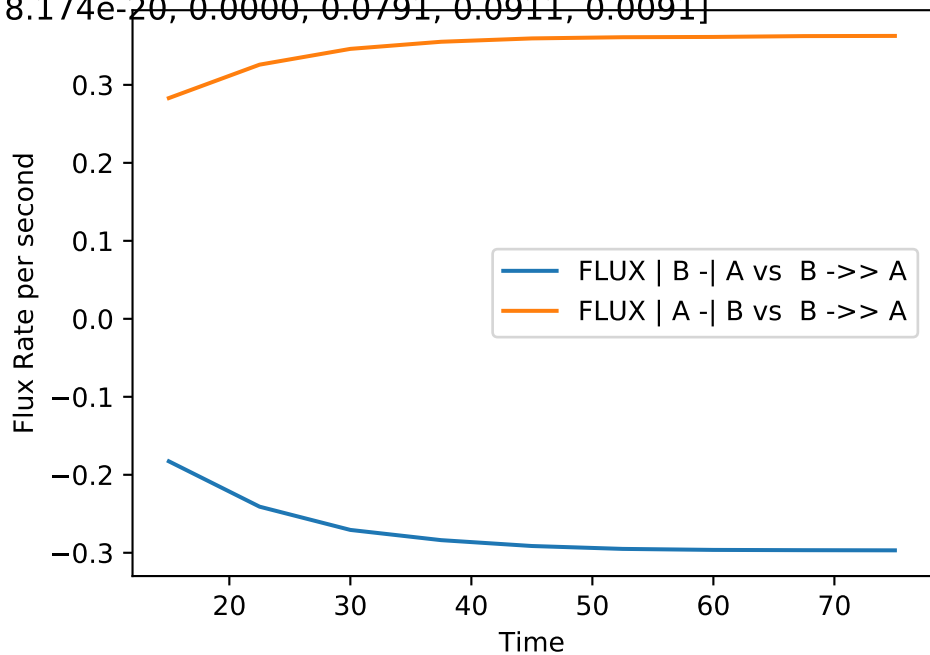
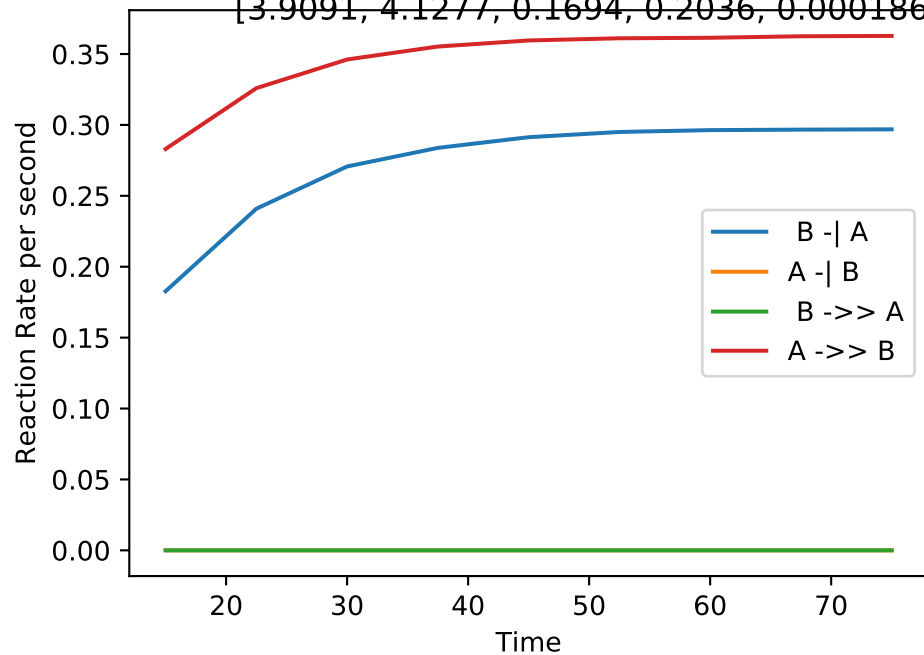
No_up | NLLA No_up(#212):

[3.2623, 4.1898, 0.1274, 0.2281, 0.0005052, 2.444e-17, 0.0000, 0.0660, 0.1018, 0.0211]



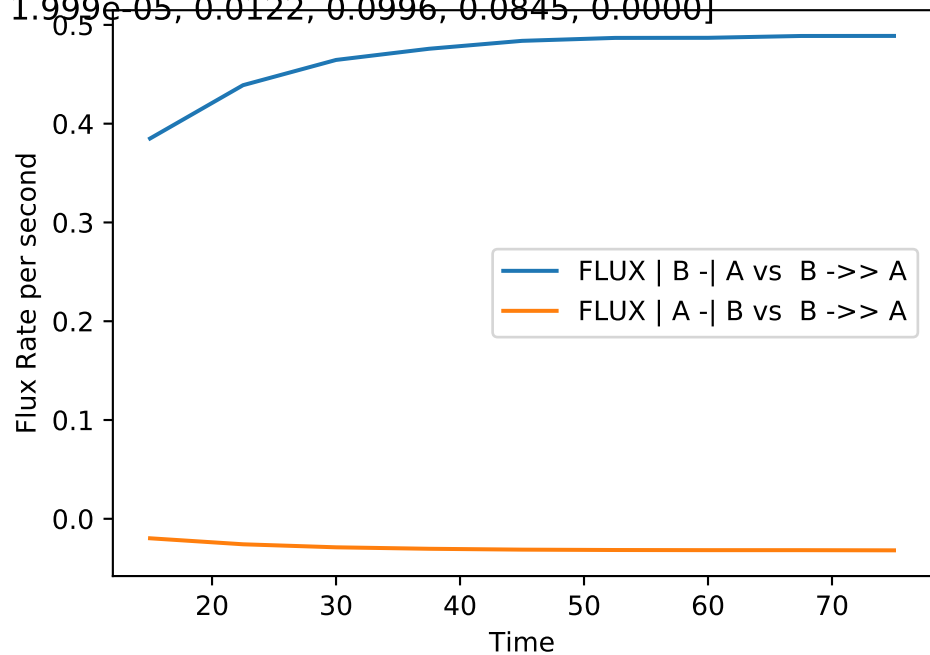
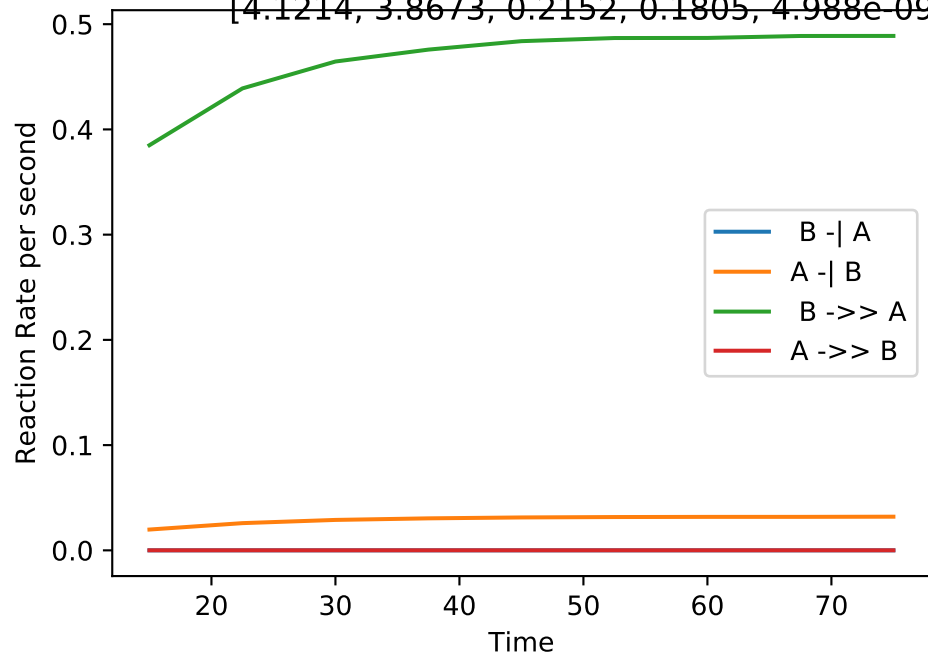
No_up | NLLA No_up(#213):

[3.9091, 4.1277, 0.1694, 0.2036, 0.000186, 8.174e-20, 0.0000, 0.0791, 0.0911, 0.0091]



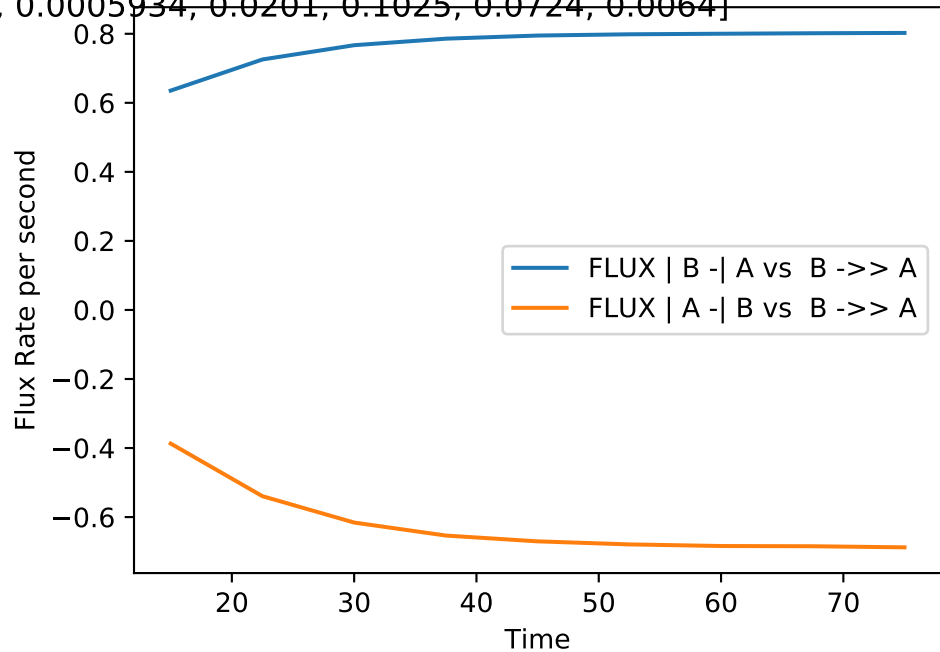
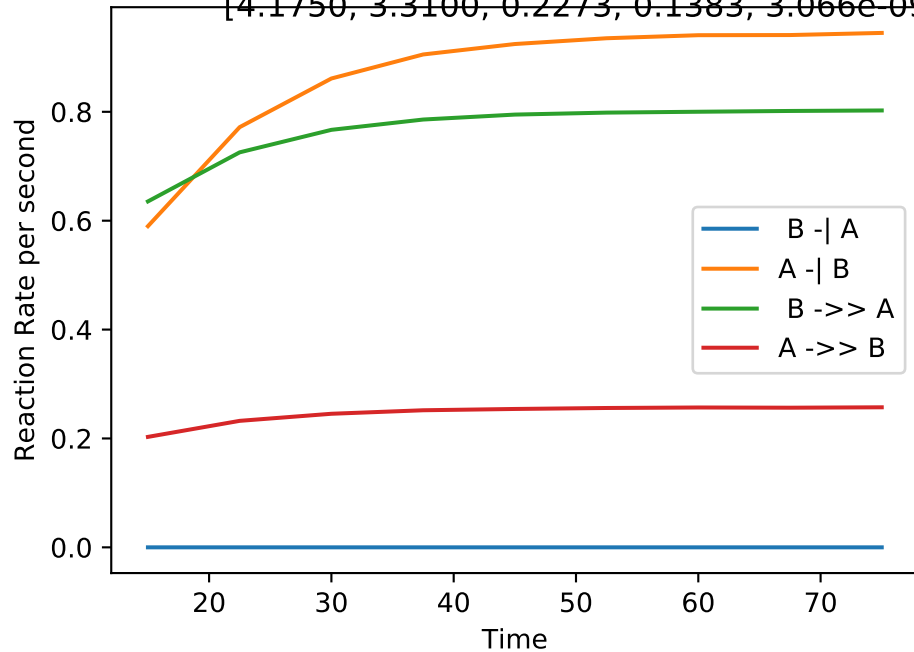
No_up | NLLA No_up(#214):

[4.1214, 3.8673, 0.2152, 0.1805, 4.988e-09, 1.999e-05, 0.0122, 0.0996, 0.0845, 0.0000]



No_up | NLLA No_up(#215):

[4.1750, 3.3100, 0.2273, 0.1383, 3.066e-09, 0.0005934, 0.0201, 0.1025, 0.0724, 0.0064]

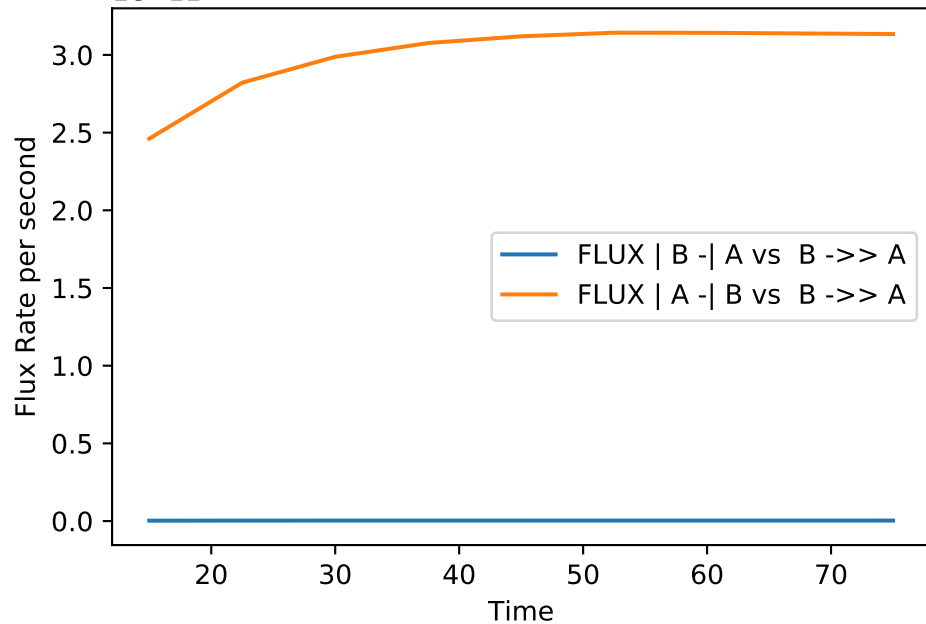
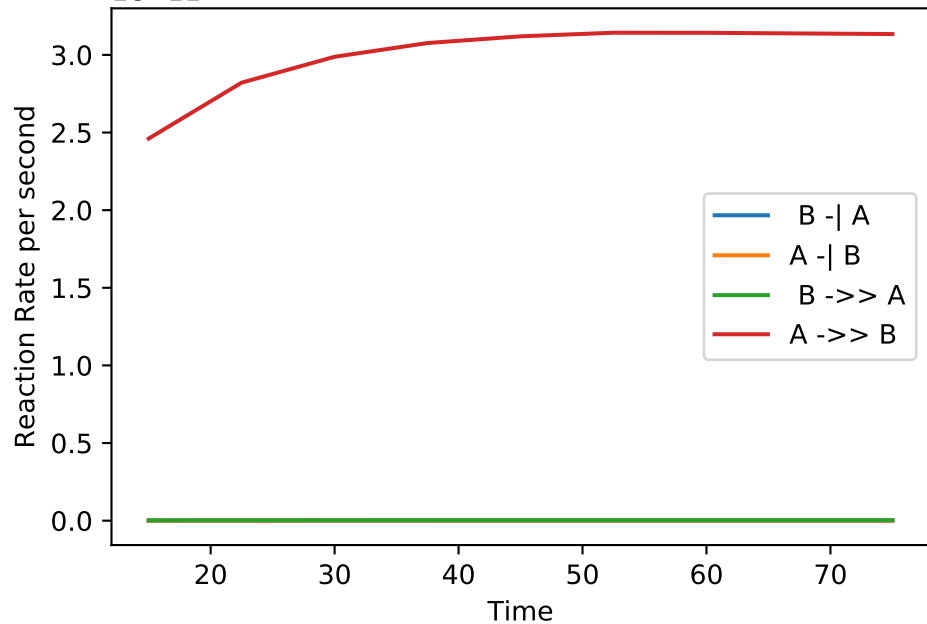


No_up | NLLA No_up(#216):

[3.9955, 3.8522, 0.1793, 0.1740, 2.017e-24, 4.485e-19, 0.0000, 0.0794, 0.0777, 0.0000]

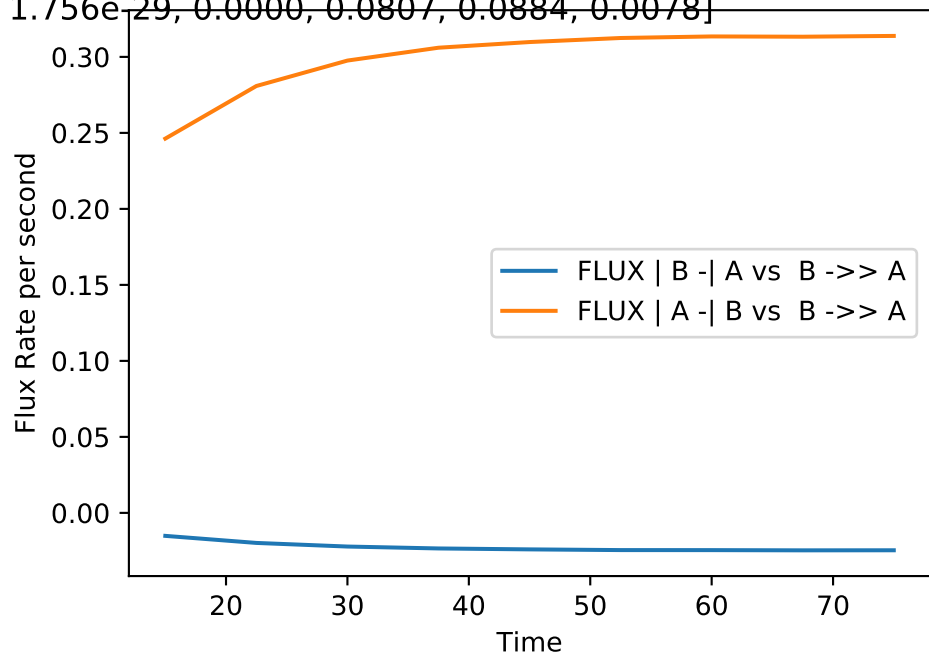
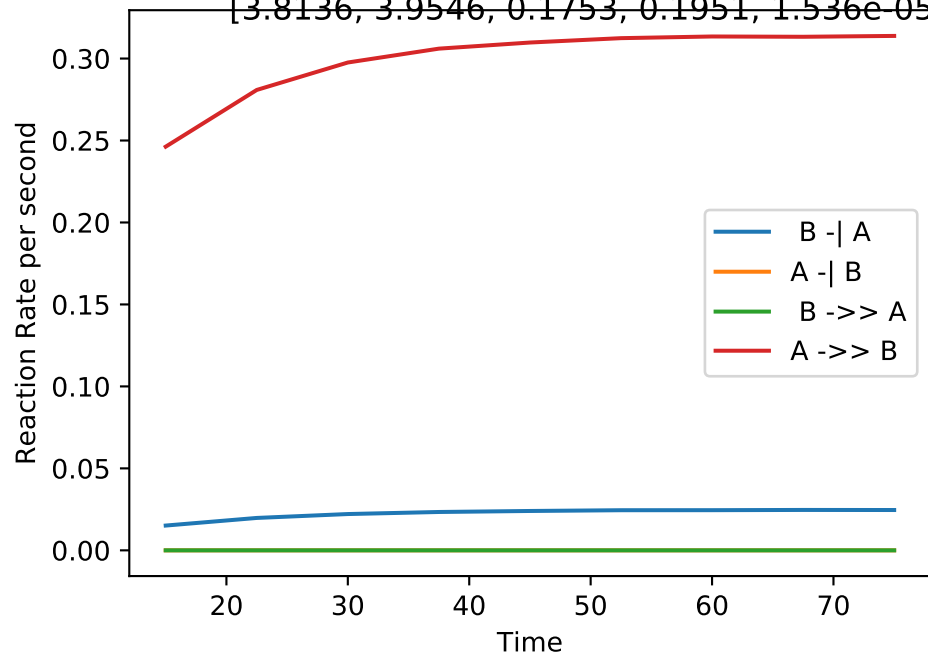
1e-11

1e-11



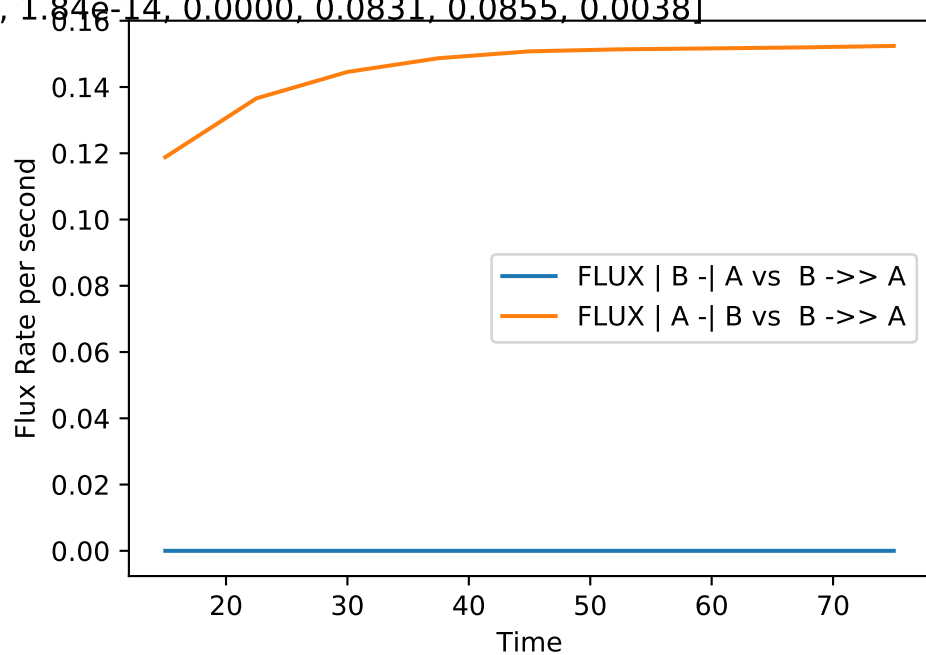
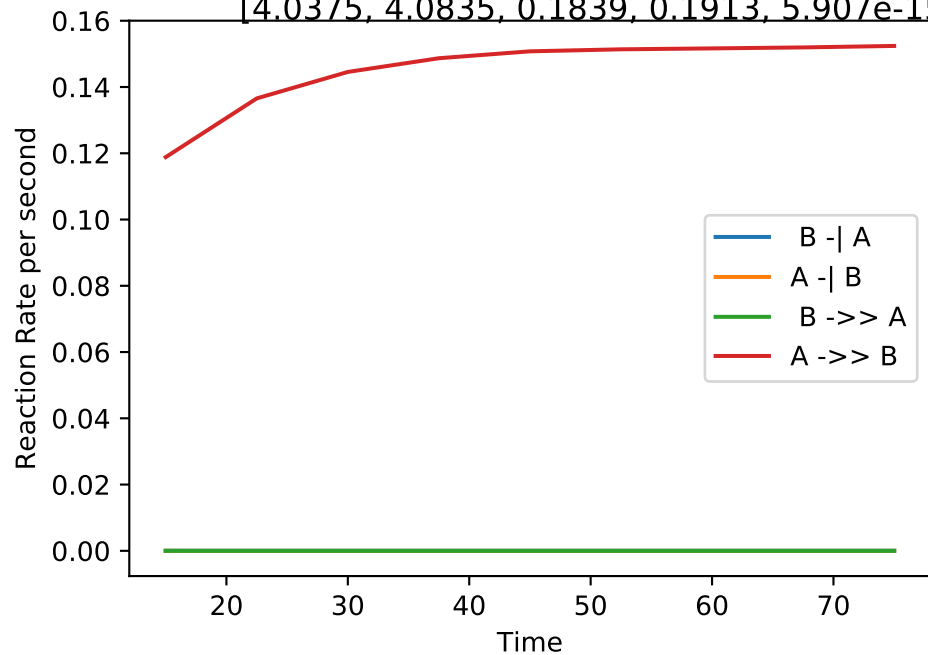
No_up | NLLA No_up(#217):

[3.8136, 3.9546, 0.1753, 0.1951, 1.536e-05, 1.756e-29, 0.0000, 0.0807, 0.0884, 0.0078]



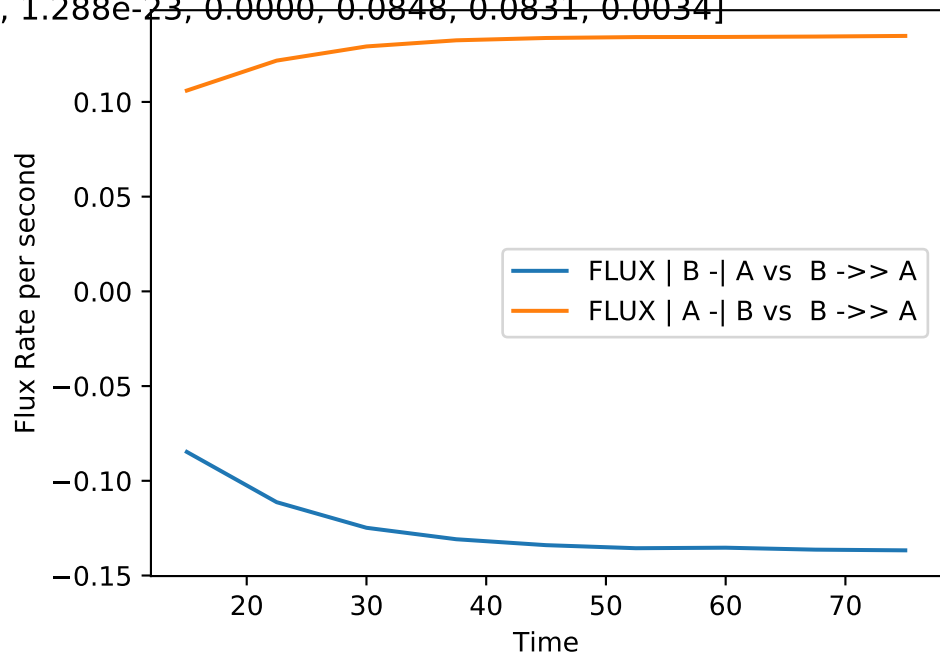
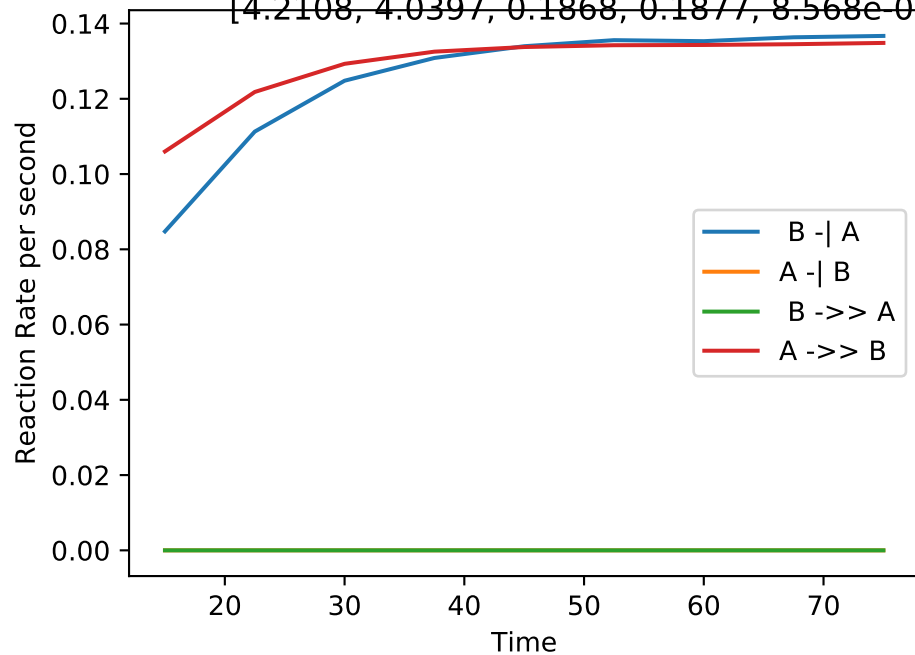
No_up | NLLA No_up(#218):

[4.0375, 4.0835, 0.1839, 0.1913, 5.907e-15, 1.84e-14, 0.0000, 0.0831, 0.0855, 0.0038]



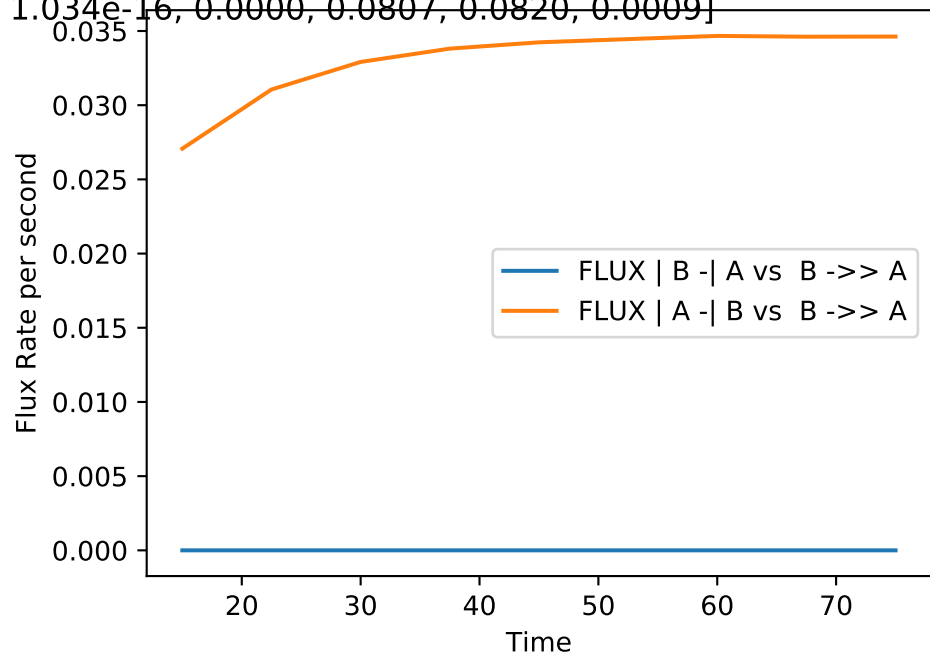
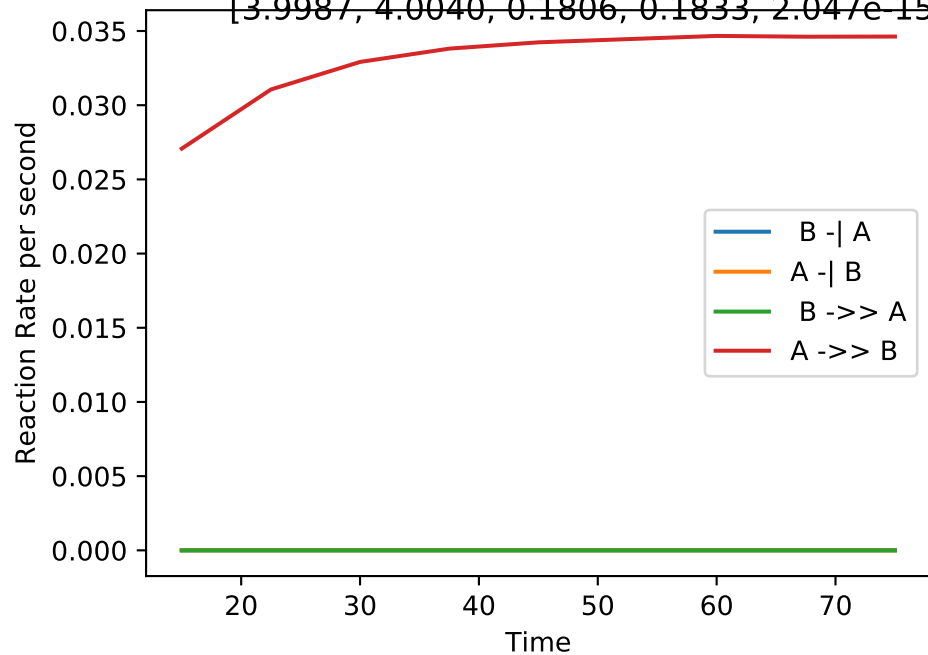
No_up | NLLA No_up(#219):

[4.2108, 4.0397, 0.1868, 0.1877, 8.568e-05, 1.288e-23, 0.0000, 0.0848, 0.0831, 0.0034]



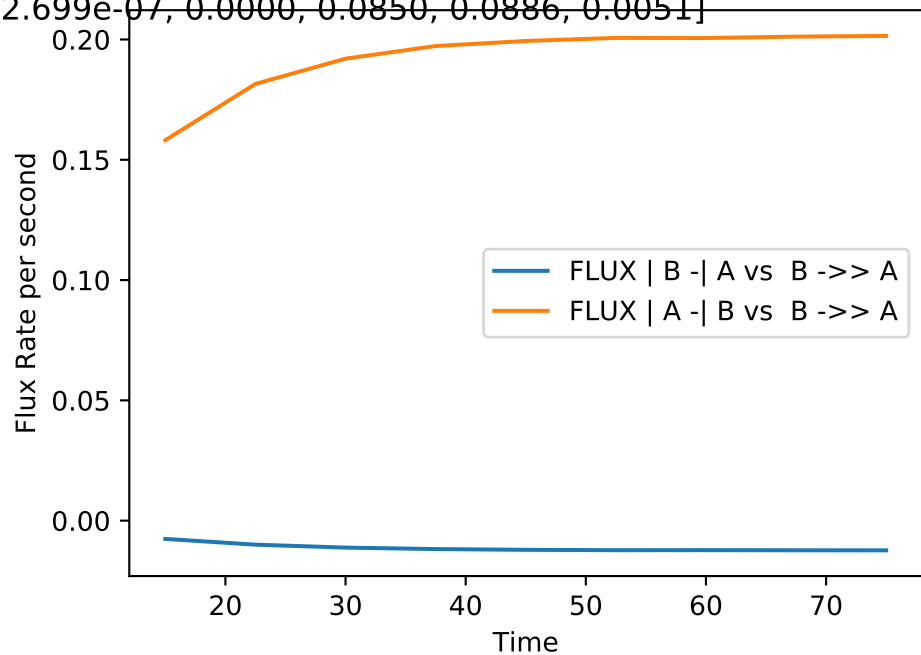
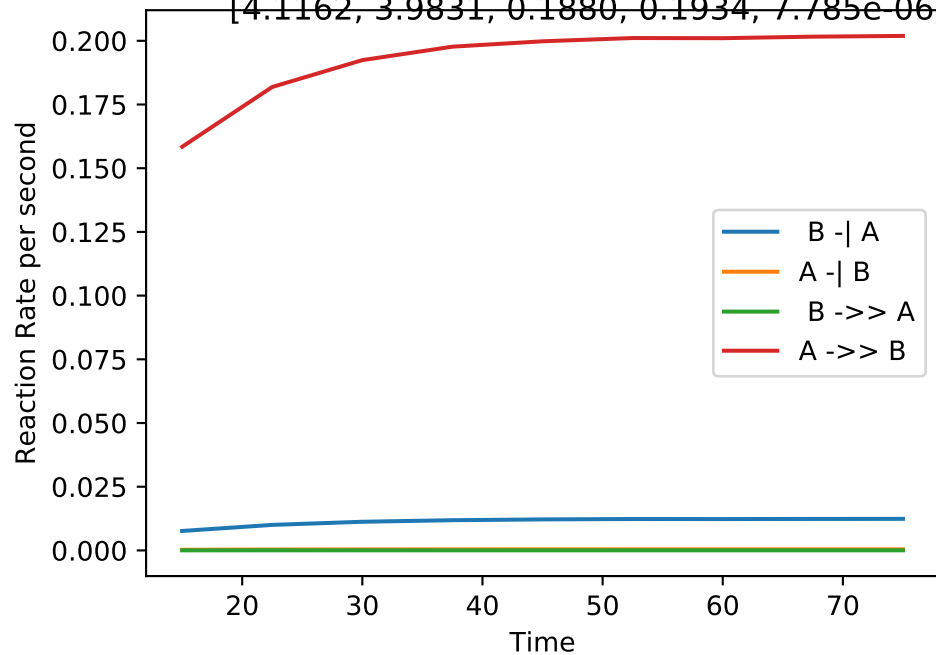
No_up | NLLA No_up(#220):

[3.9987, 4.0040, 0.1806, 0.1833, 2.047e-15, 1.034e-16, 0.0000, 0.0807, 0.0820, 0.0009]



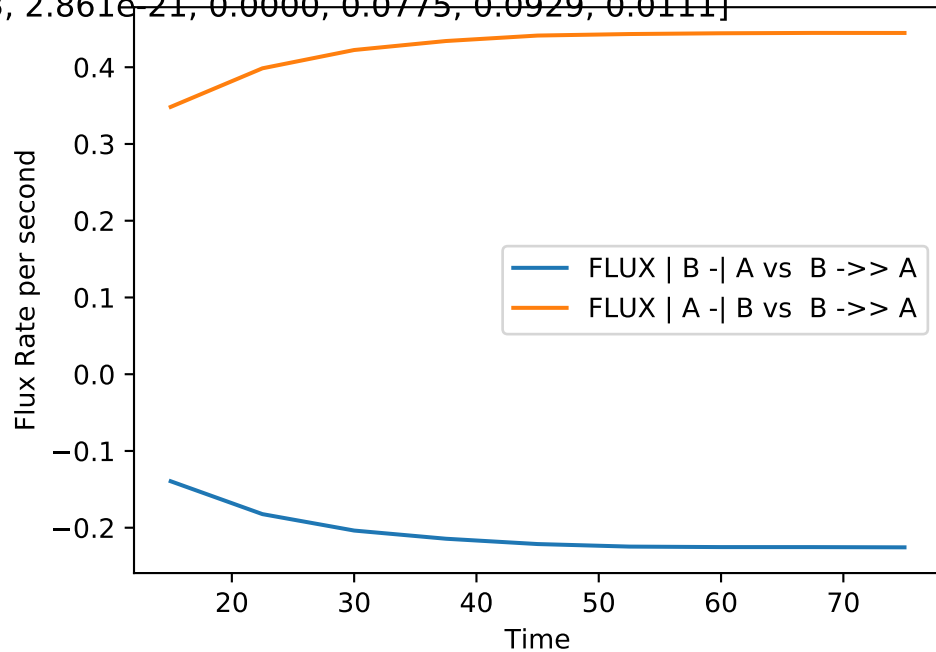
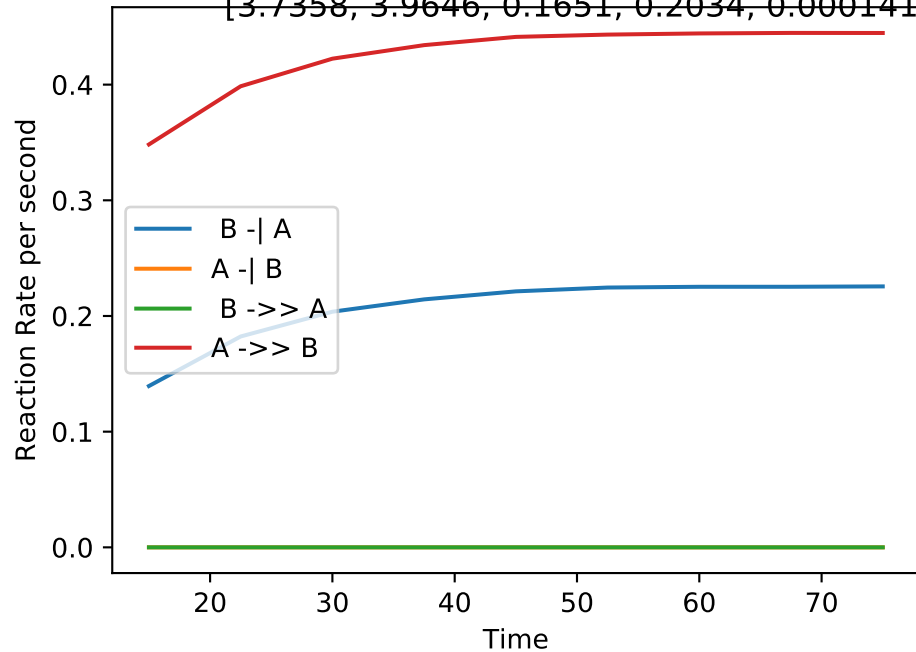
No_up | NLLA No_up(#221):

[4.1162, 3.9831, 0.1880, 0.1934, 7.785e-06, 2.699e-07, 0.0000, 0.0850, 0.0886, 0.0051]



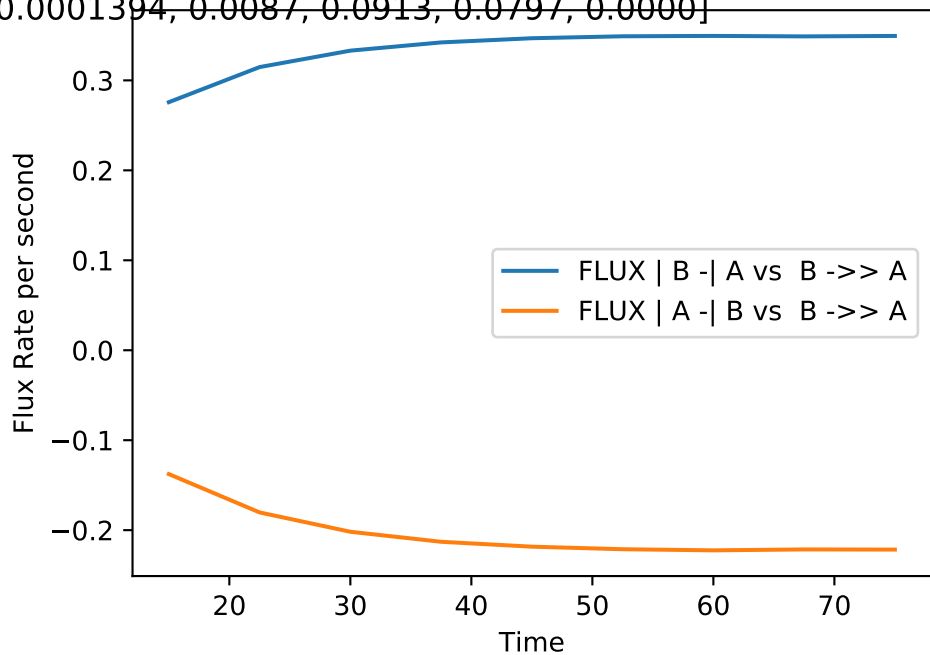
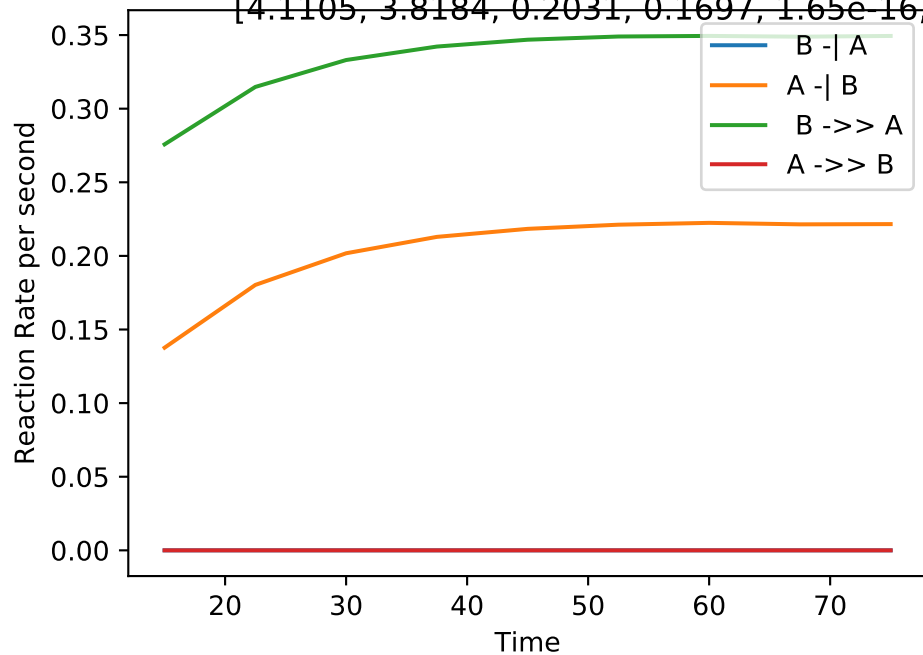
No_up | NLLA No_up(#222):

[3.7358, 3.9646, 0.1651, 0.2034, 0.0001413, 2.861e-21, 0.0000, 0.0775, 0.0929, 0.0111]



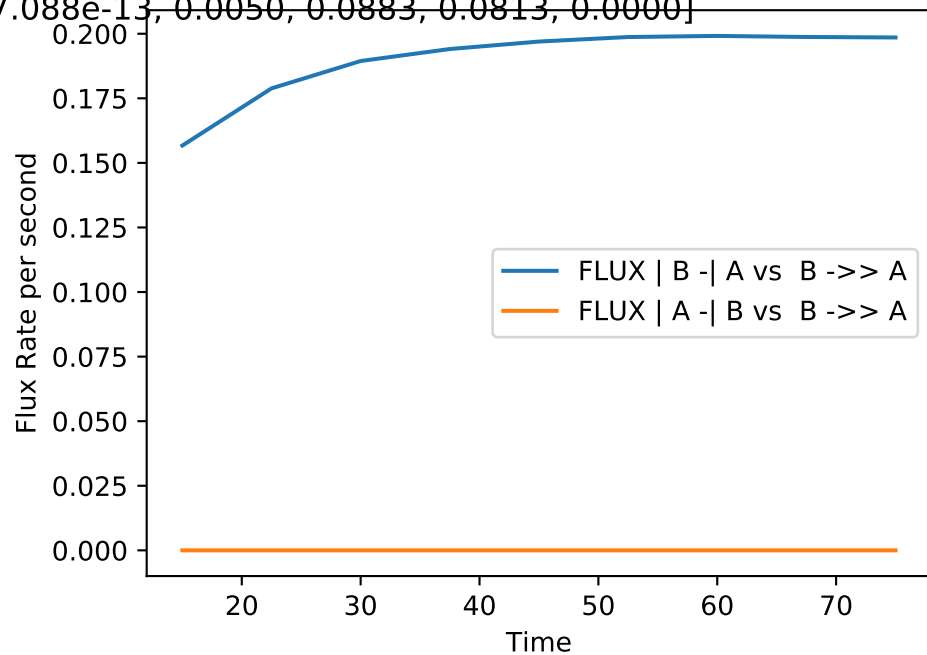
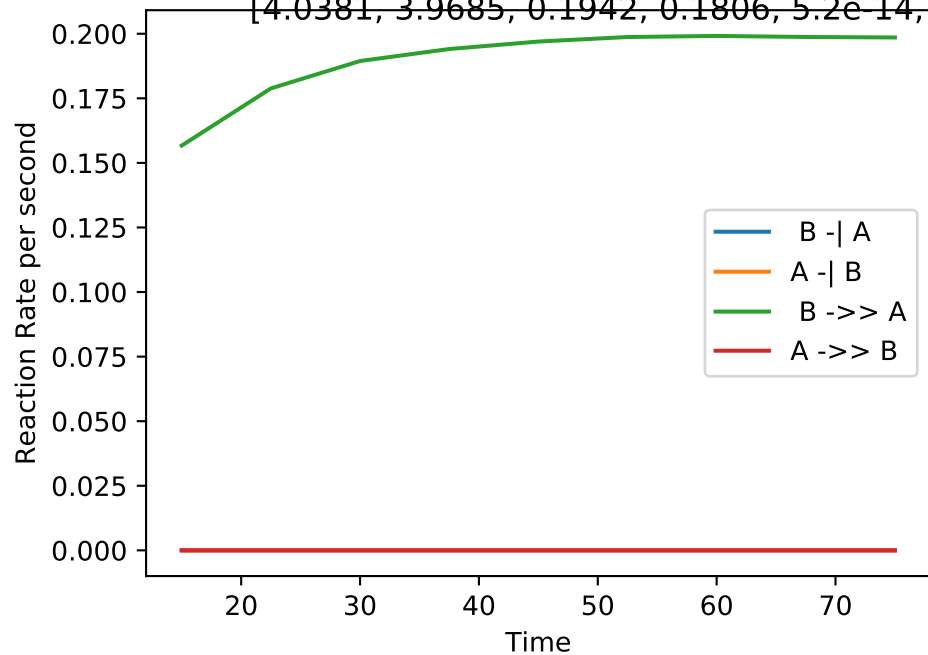
No_up | NLLA No_up(#223):

[4.1105, 3.8184, 0.2031, 0.1697, 1.65e-16, 0.0001394, 0.0087, 0.0913, 0.0797, 0.0000]



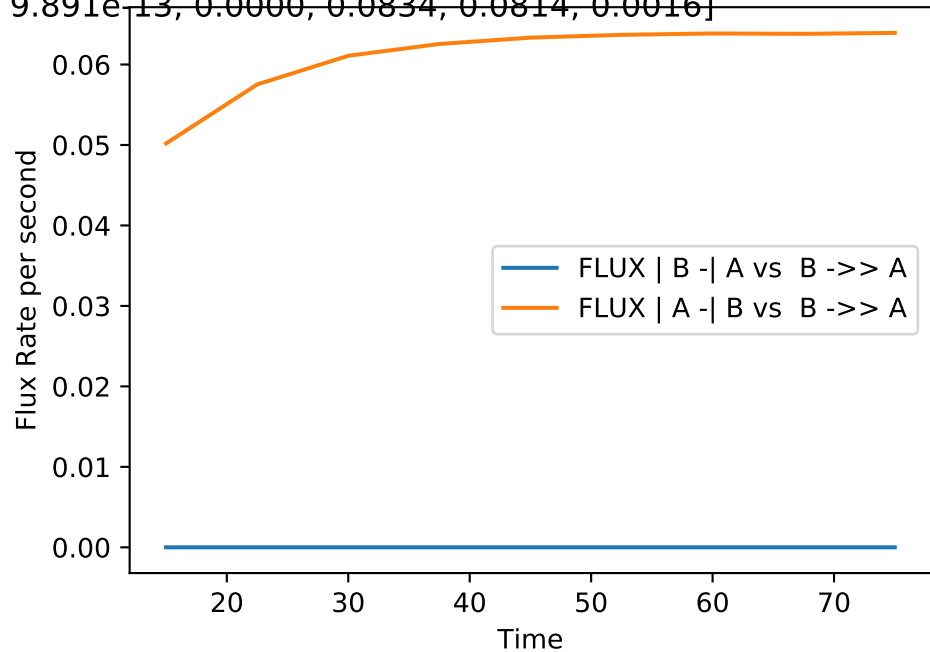
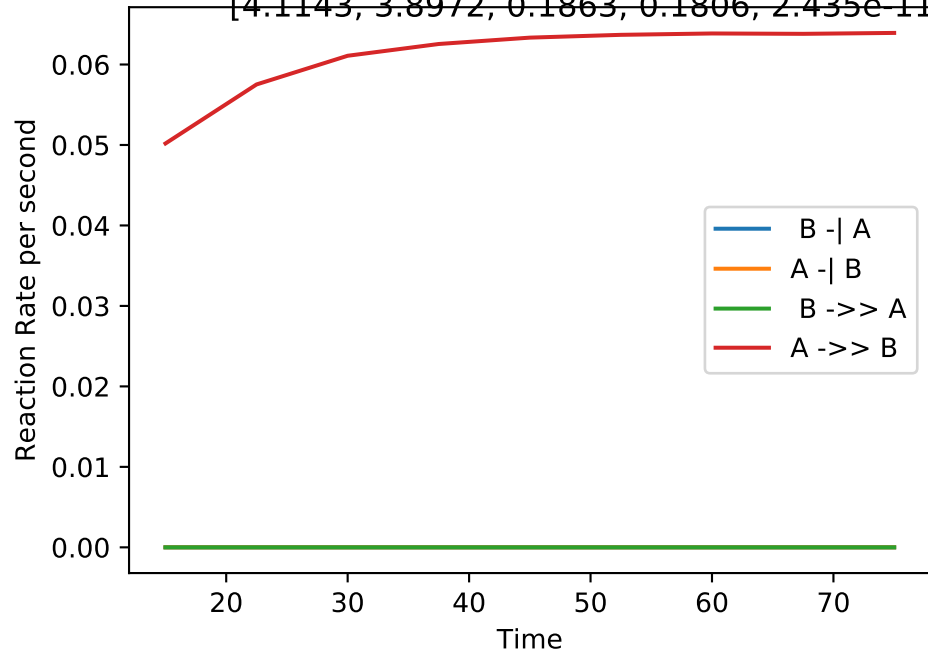
No_up | NLLA No_up(#224):

[4.0381, 3.9685, 0.1942, 0.1806, 5.2e-14, 7.088e-13, 0.0050, 0.0883, 0.0813, 0.0000]



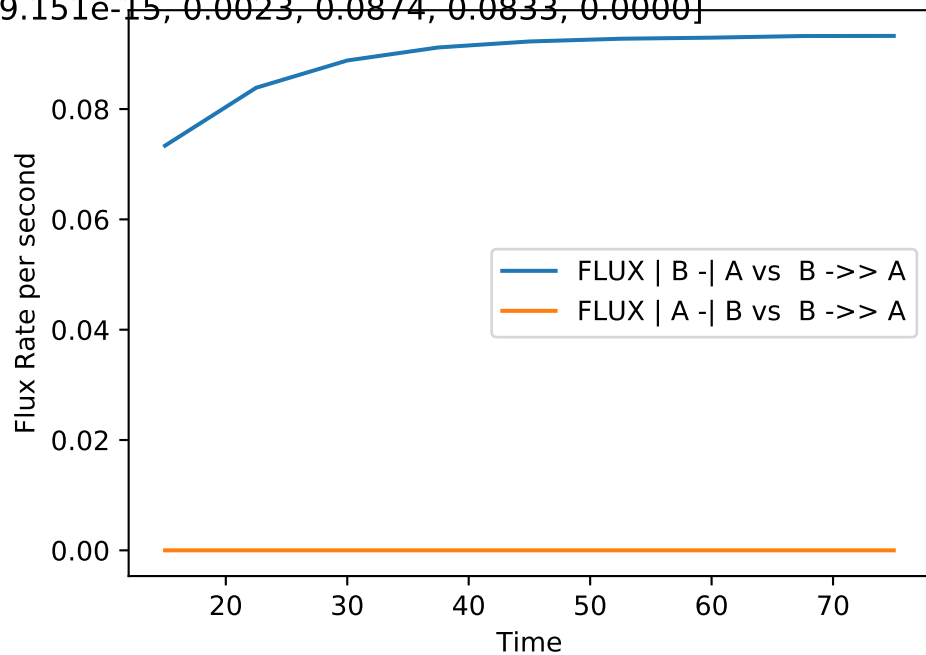
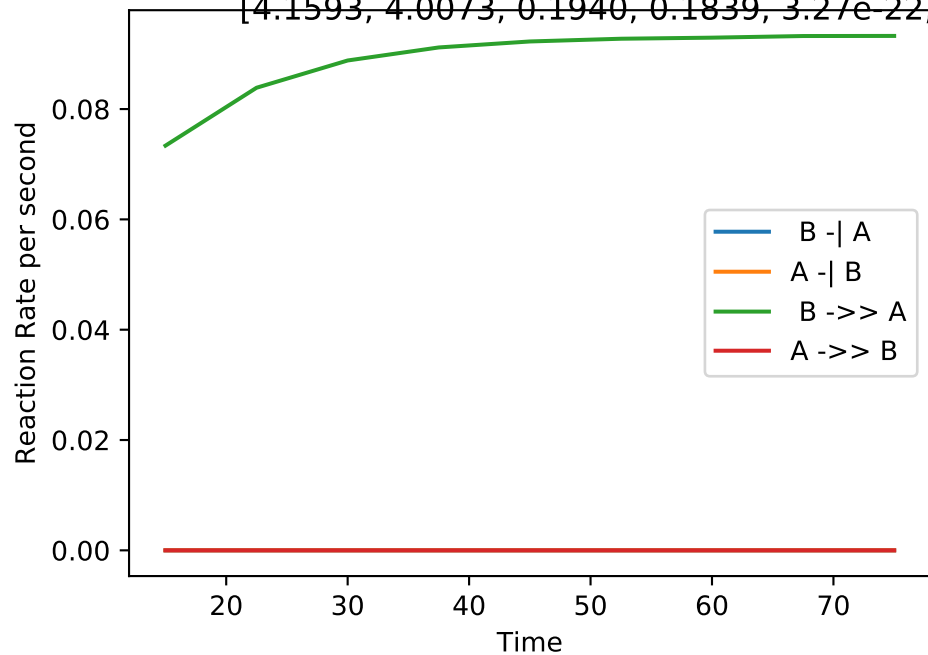
No_up | NLLA No_up(#225):

[4.1143, 3.8972, 0.1863, 0.1806, 2.435e-11, 9.891e-13, 0.0000, 0.0834, 0.0814, 0.0016]



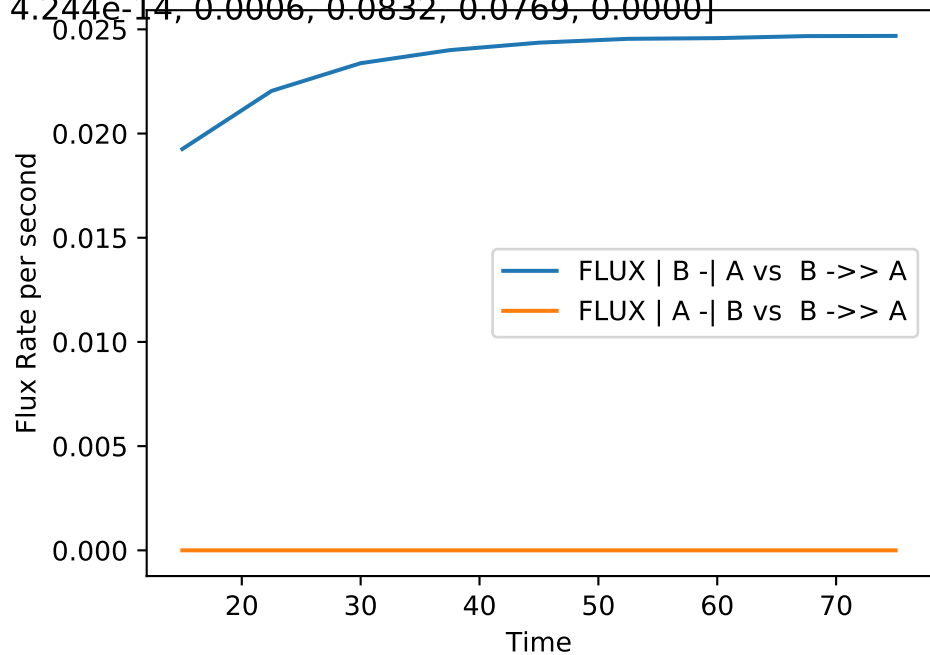
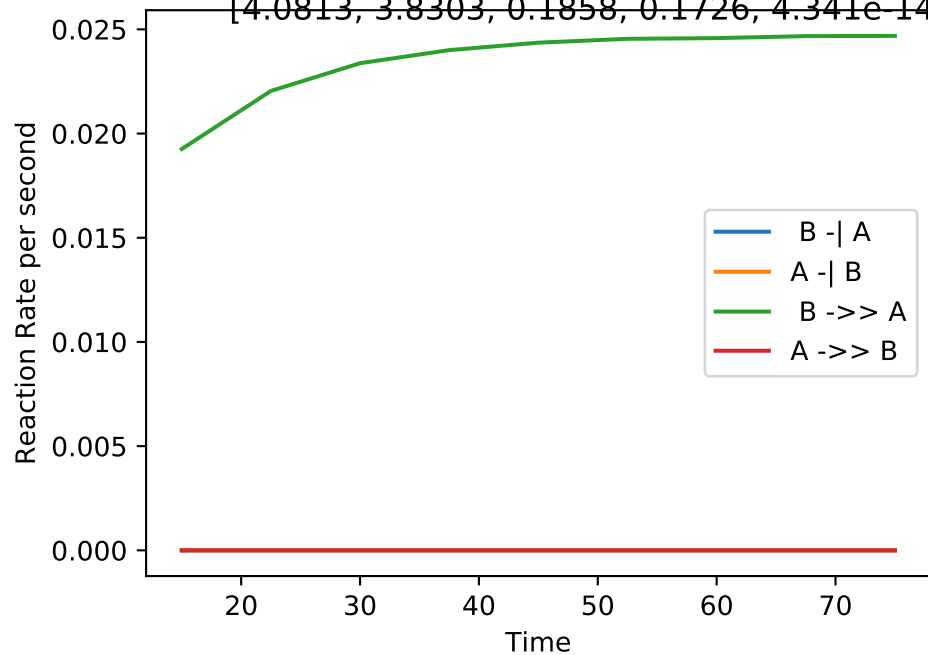
No_up | NLLA No_up(#226):

[4.1593, 4.0073, 0.1940, 0.1839, 3.27e-22, 9.151e-15, 0.0023, 0.0874, 0.0833, 0.0000]



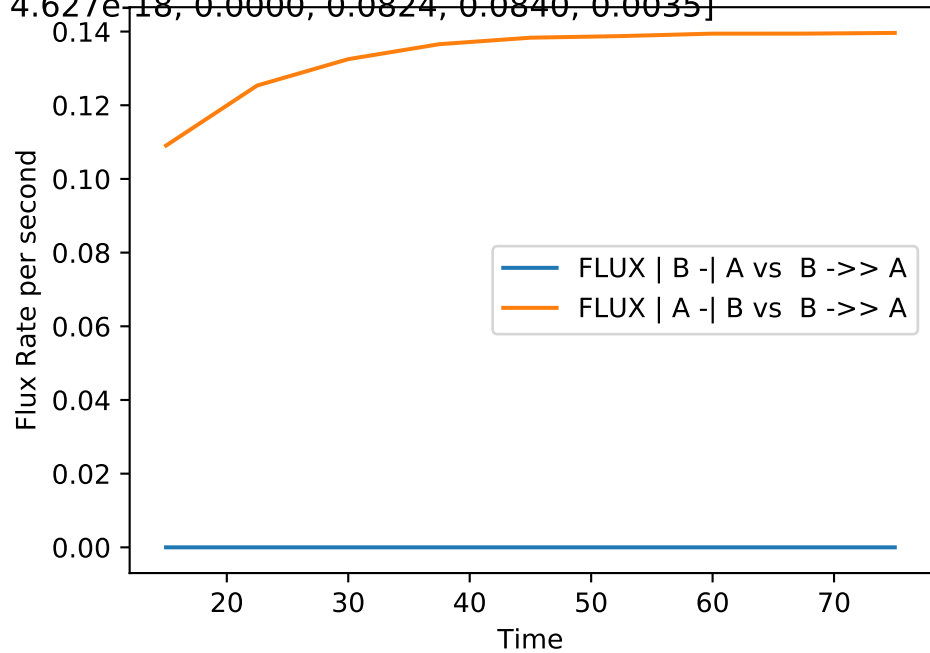
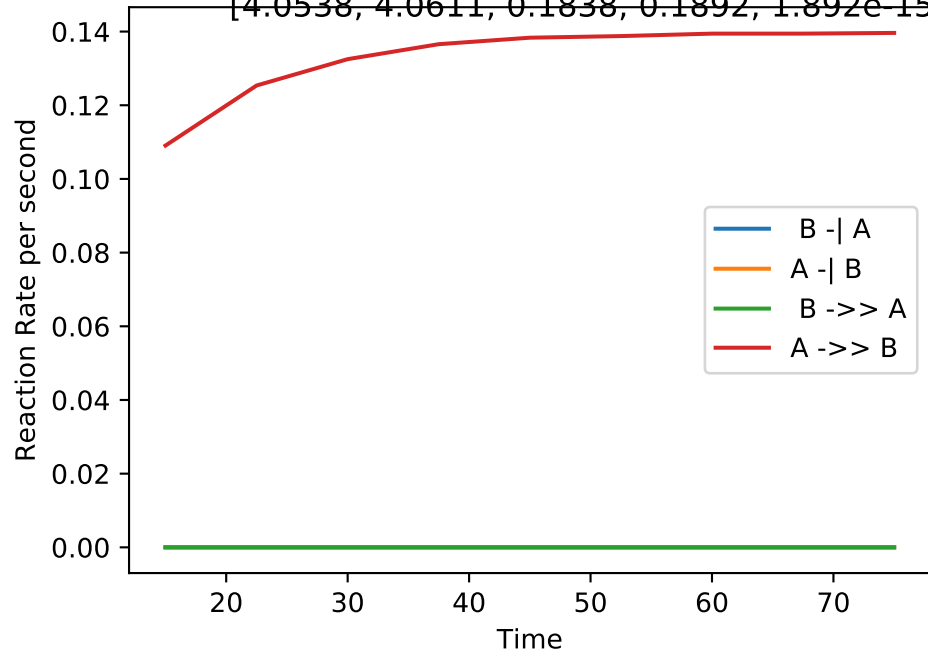
No_up | NLLA No_up(#227):

[4.0813, 3.8303, 0.1858, 0.1726, 4.341e-14, 4.244e-14, 0.0006, 0.0832, 0.0769, 0.0000]



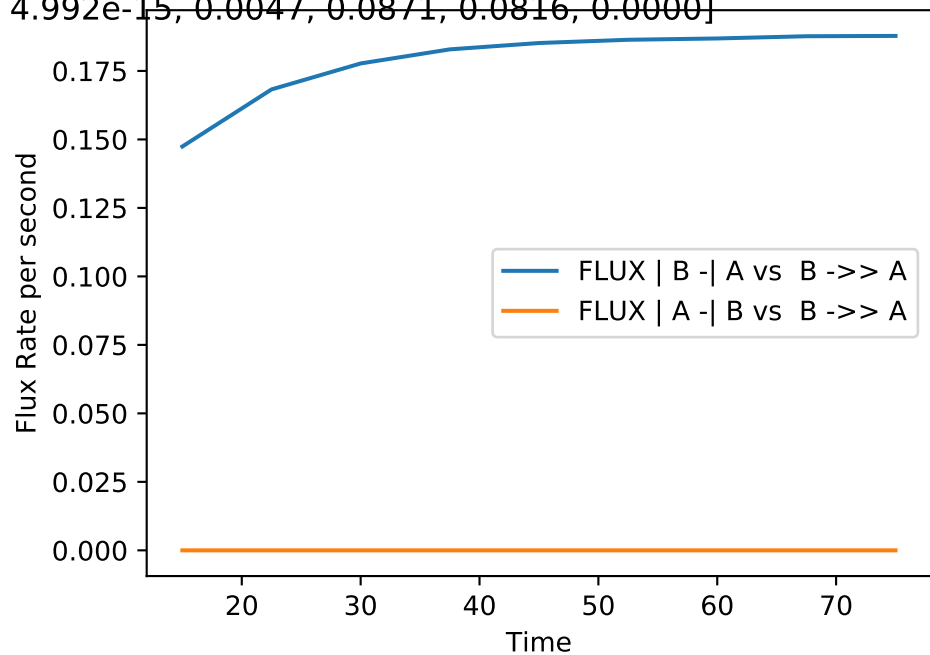
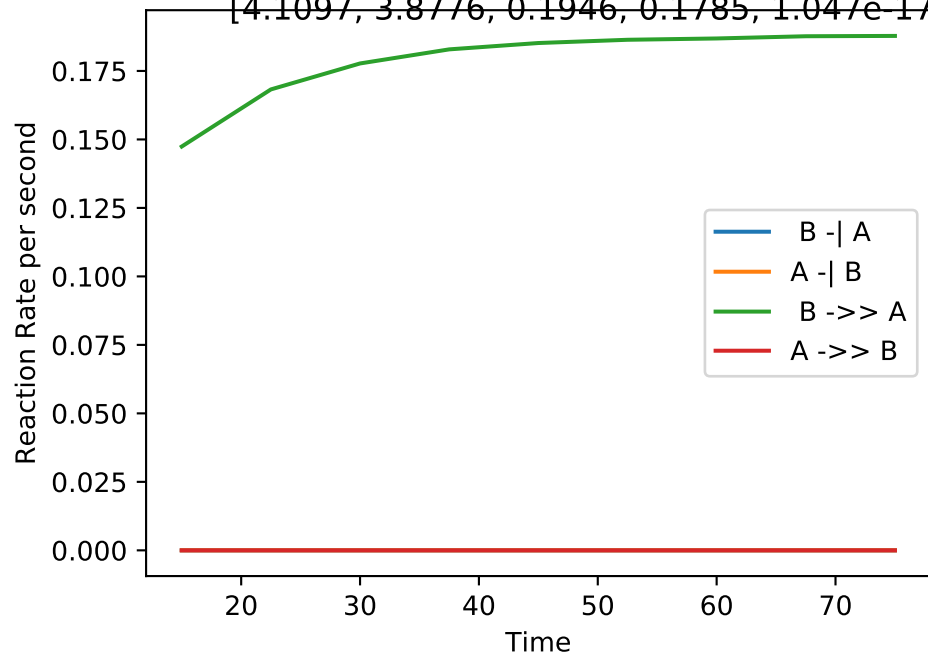
No_up | NLLA No_up(#228):

[4.0538, 4.0611, 0.1838, 0.1892, 1.892e-15, 4.627e-18, 0.0000, 0.0824, 0.0840, 0.0035]



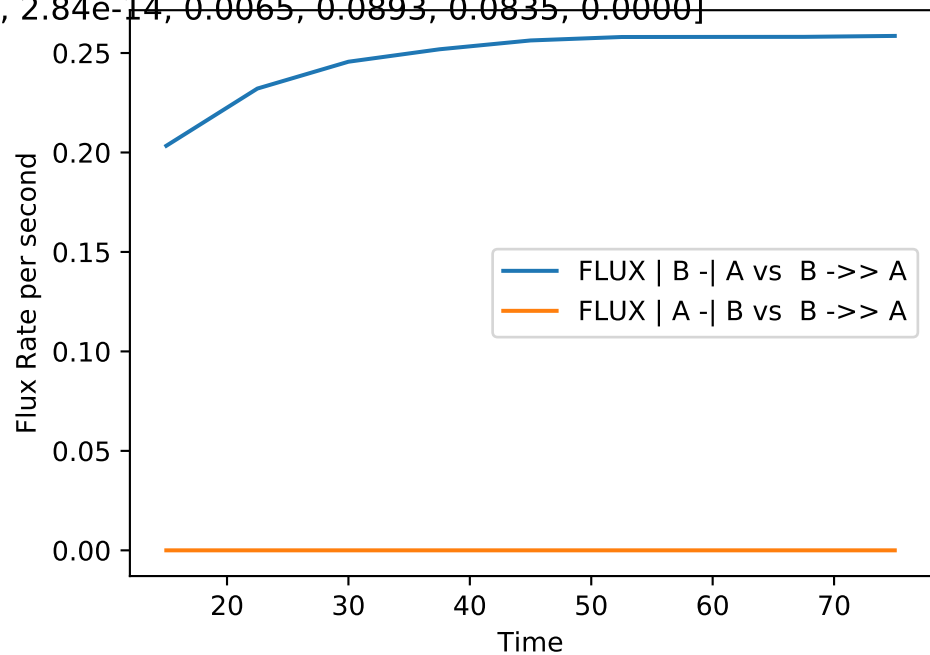
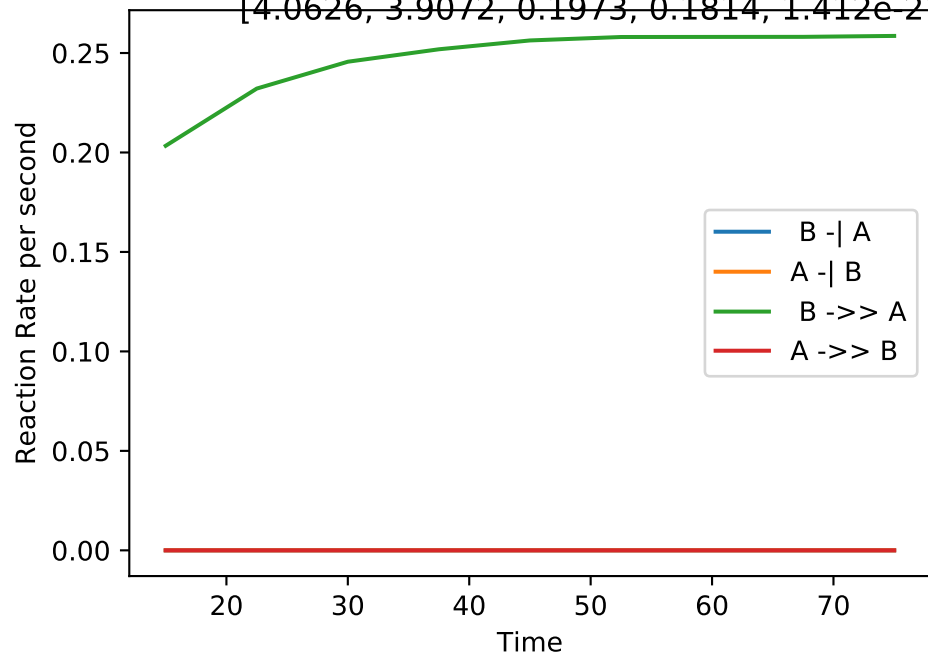
No_up | NLLA No_up(#229):

[4.1097, 3.8776, 0.1946, 0.1785, 1.047e-17, 4.992e-15, 0.0047, 0.0871, 0.0816, 0.0000]



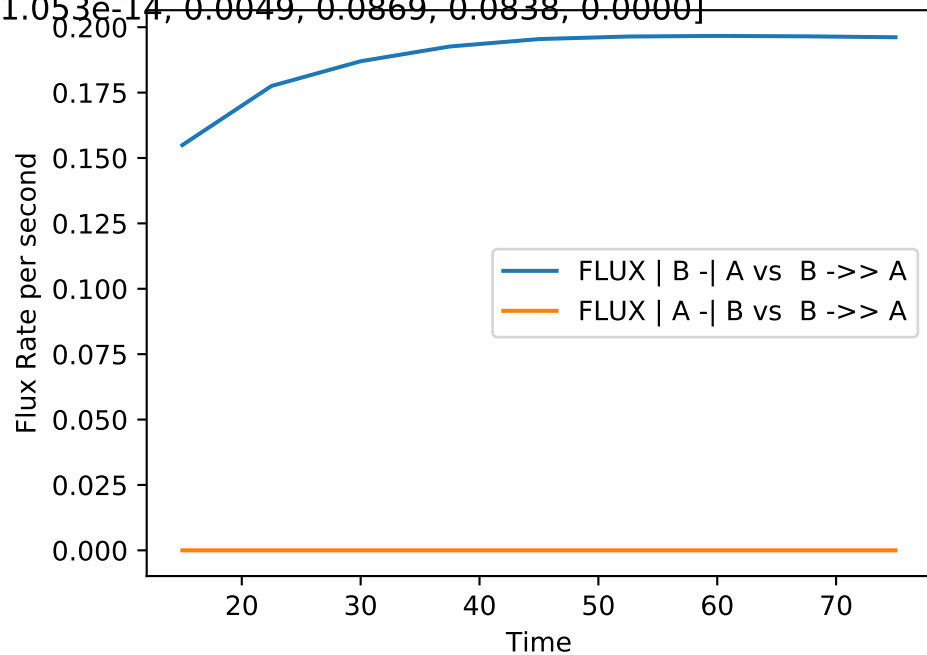
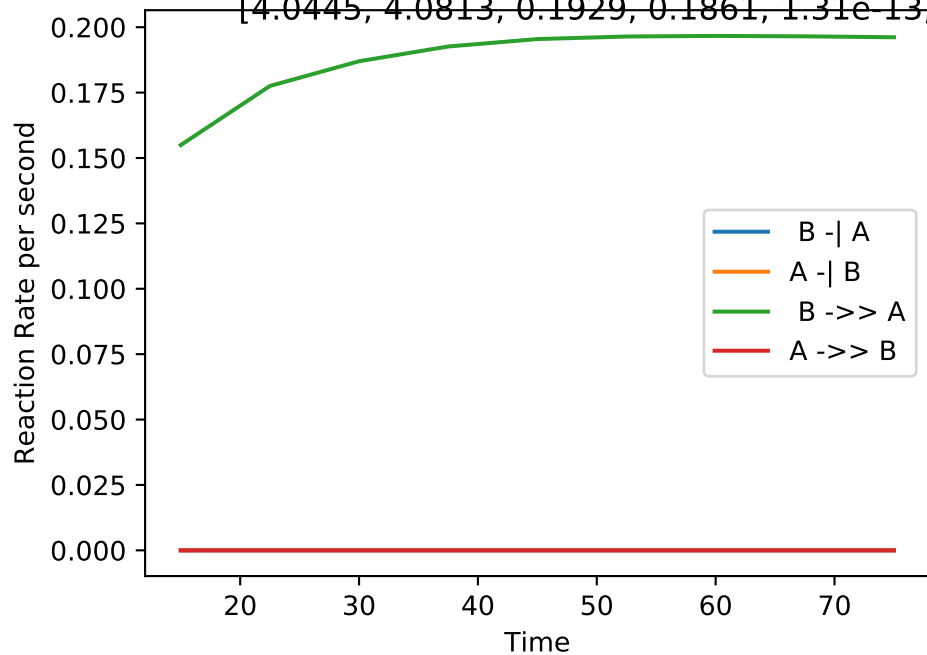
No_up | NLLA No_up(#230):

[4.0626, 3.9072, 0.1973, 0.1814, 1.412e-21, 2.84e-14, 0.0065, 0.0893, 0.0835, 0.0000]



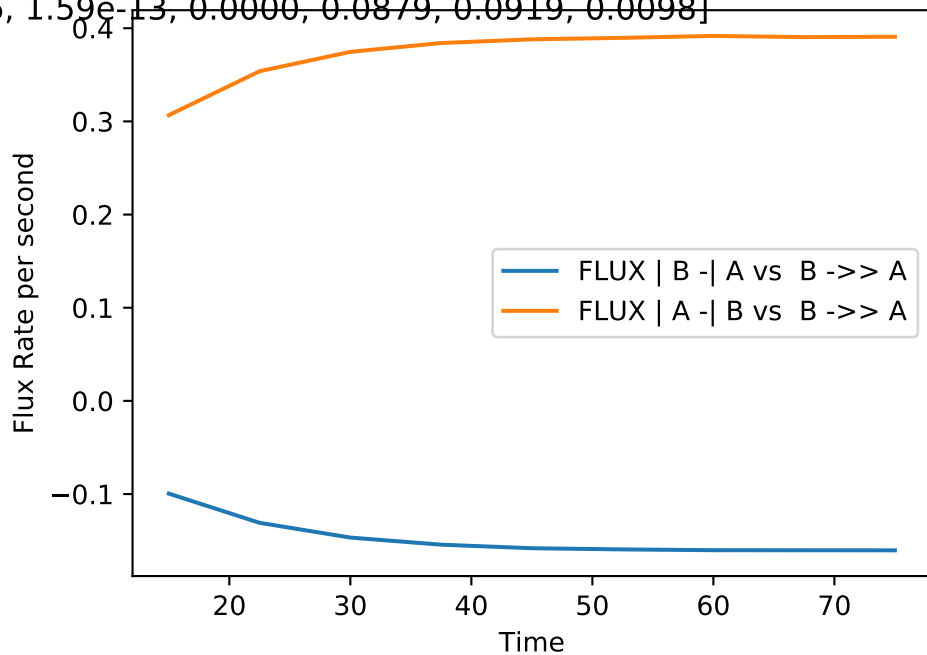
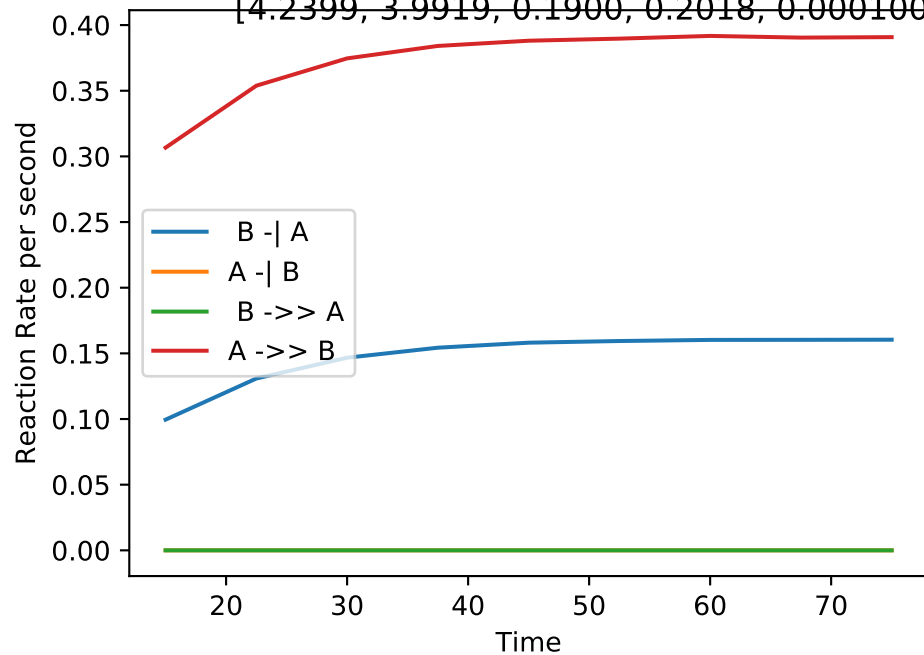
No_up | NLLA No_up(#231):

[4.0445, 4.0813, 0.1929, 0.1861, 1.31e-13, 1.053e-14, 0.0049, 0.0869, 0.0838, 0.0000]



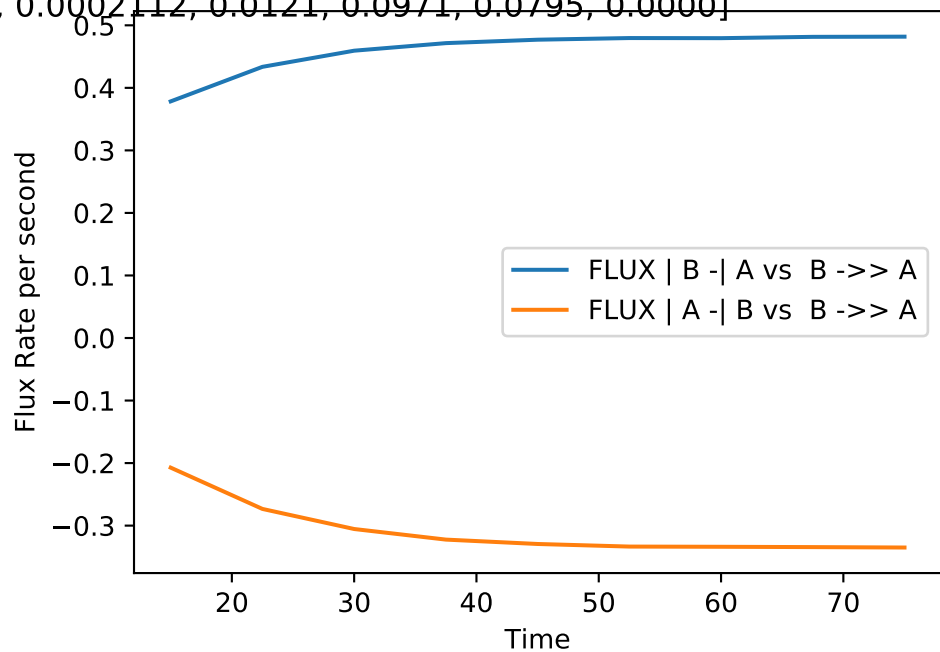
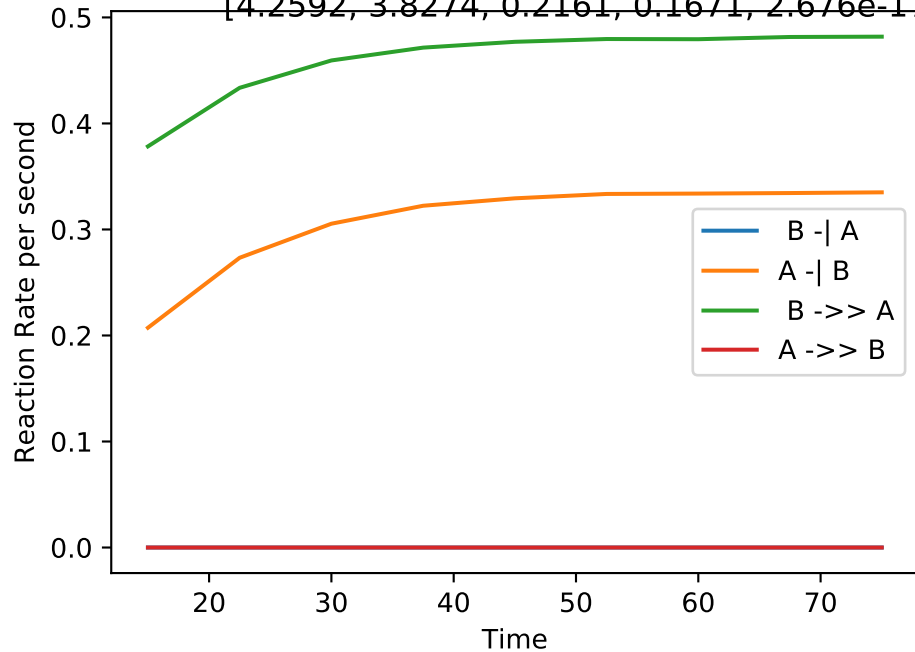
No_up | NLLA No_up(#232):

[4.2399, 3.9919, 0.1900, 0.2018, 0.0001006, 1.59e-13, 0.0000, 0.0879, 0.0919, 0.0098]



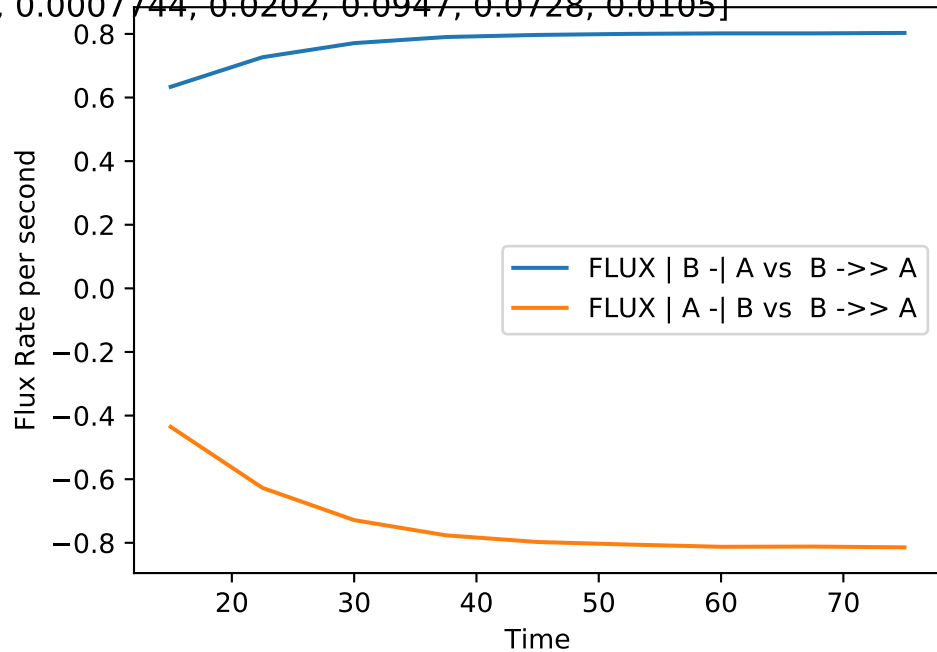
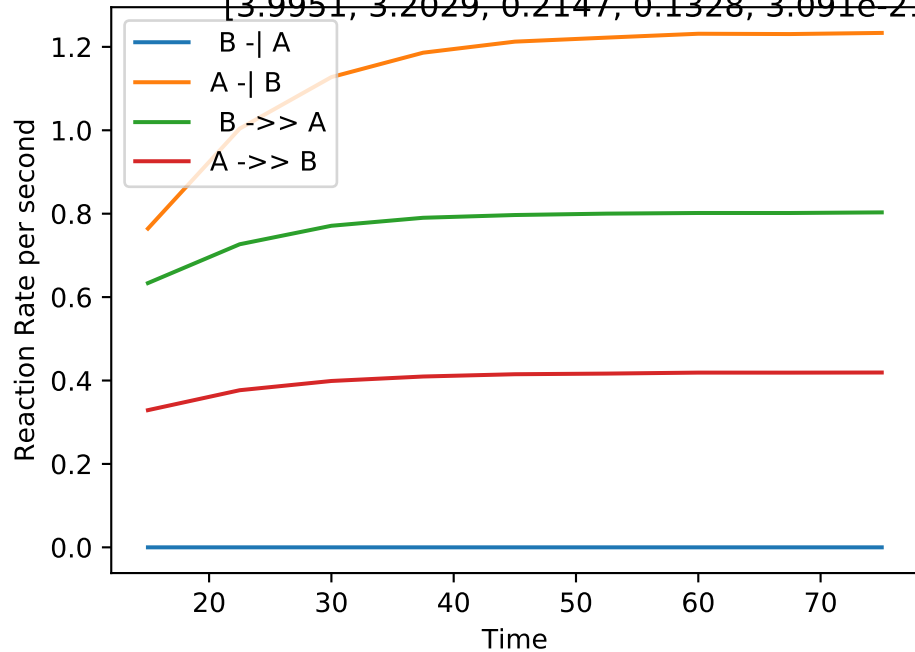
No_up | NLLA No_up(#233):

[4.2592, 3.8274, 0.2161, 0.1671, 2.676e-17, 0.0002112, 0.0121, 0.0971, 0.0795, 0.0000]



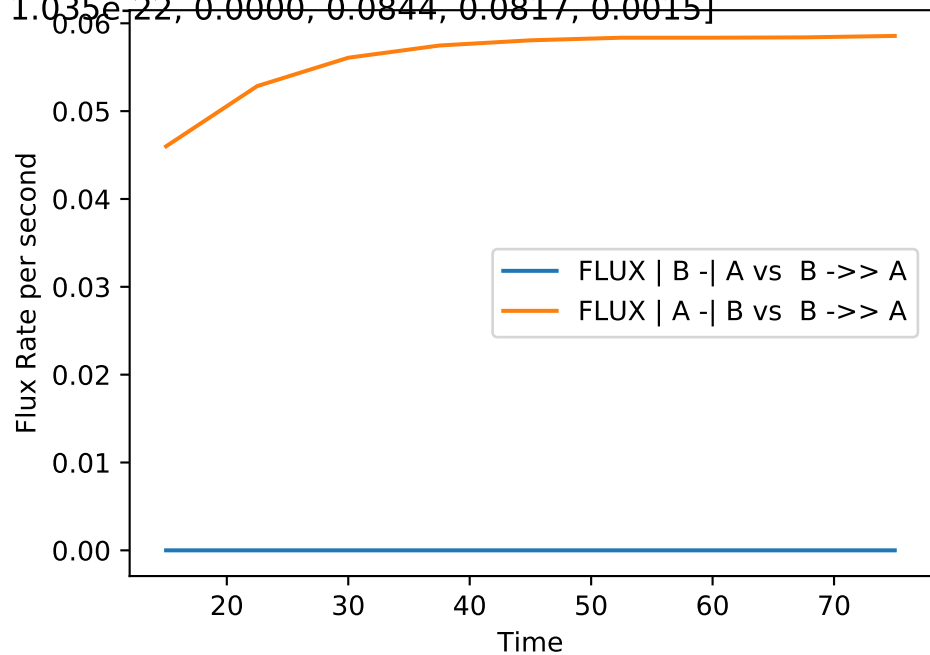
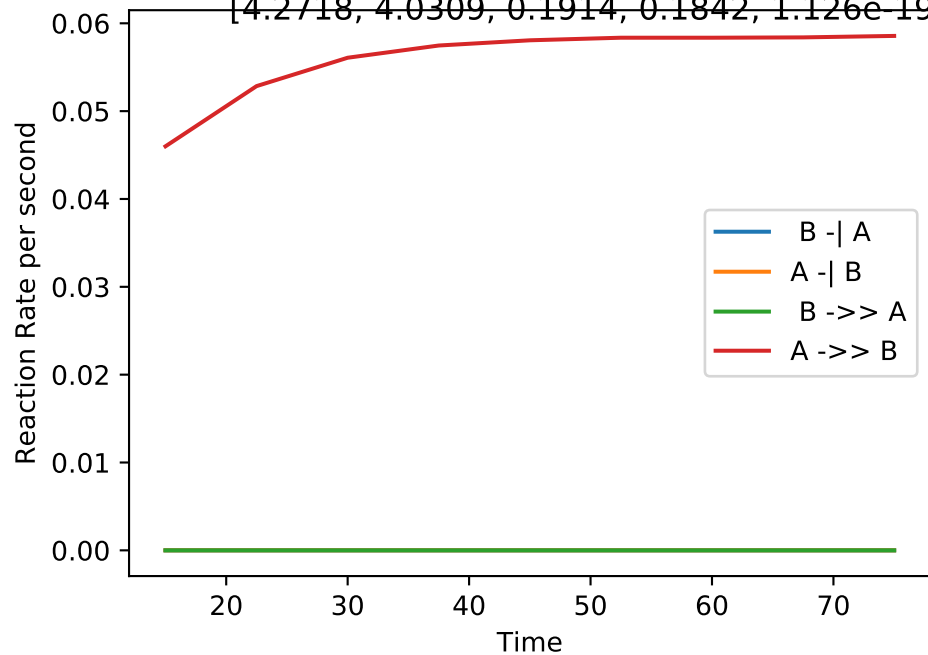
No_up | NLLA No_up(#234):

[3.9951, 3.2029, 0.2147, 0.1328, 3.091e-21, 0.0007744, 0.0202, 0.0947, 0.0728, 0.0105]



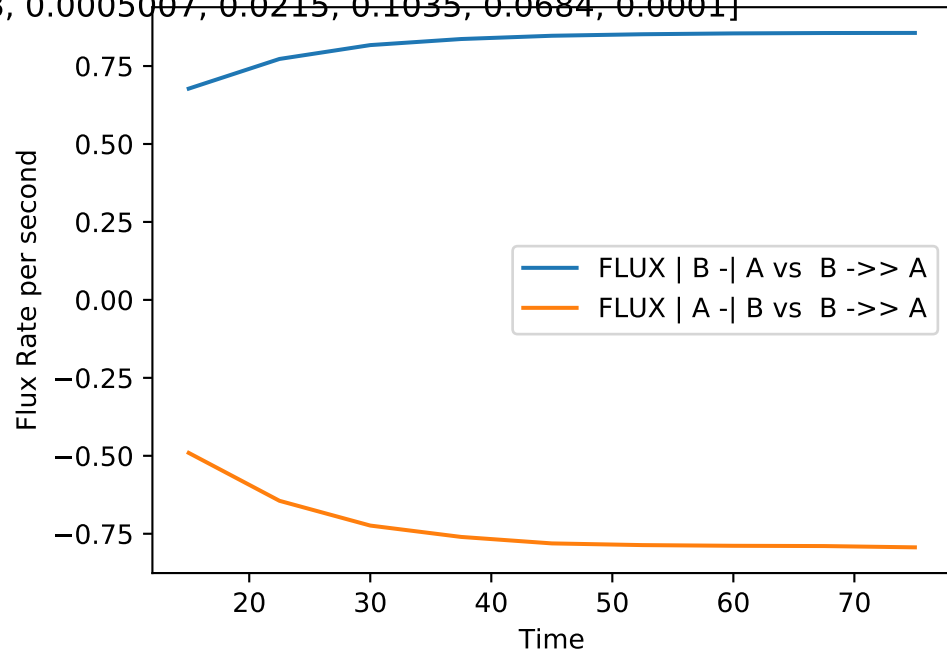
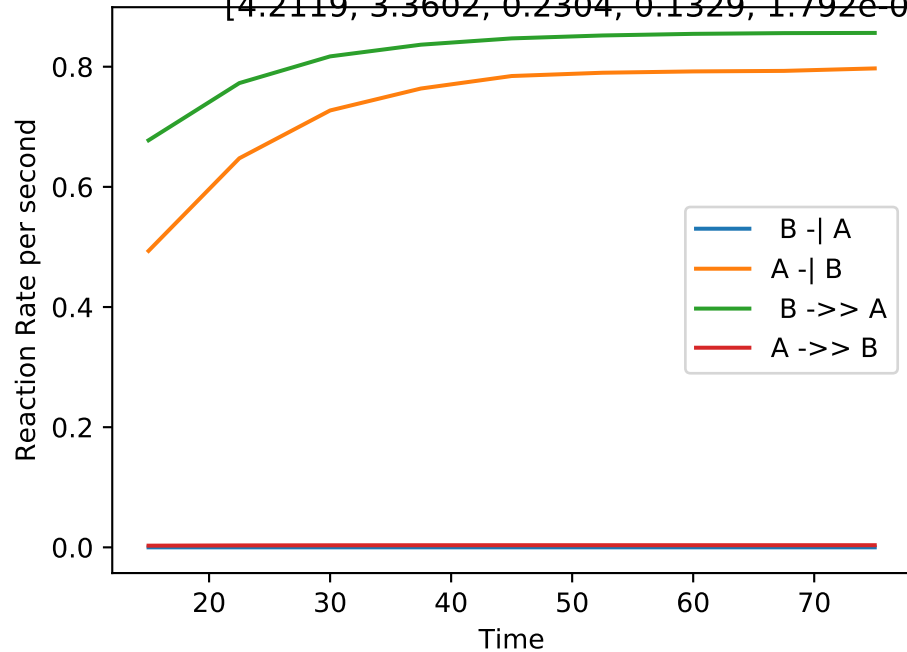
No_up | NLLA No_up(#235):

[4.2718, 4.0309, 0.1914, 0.1842, 1.126e-19, 1.035e-22, 0.0000, 0.0844, 0.0817, 0.0015]



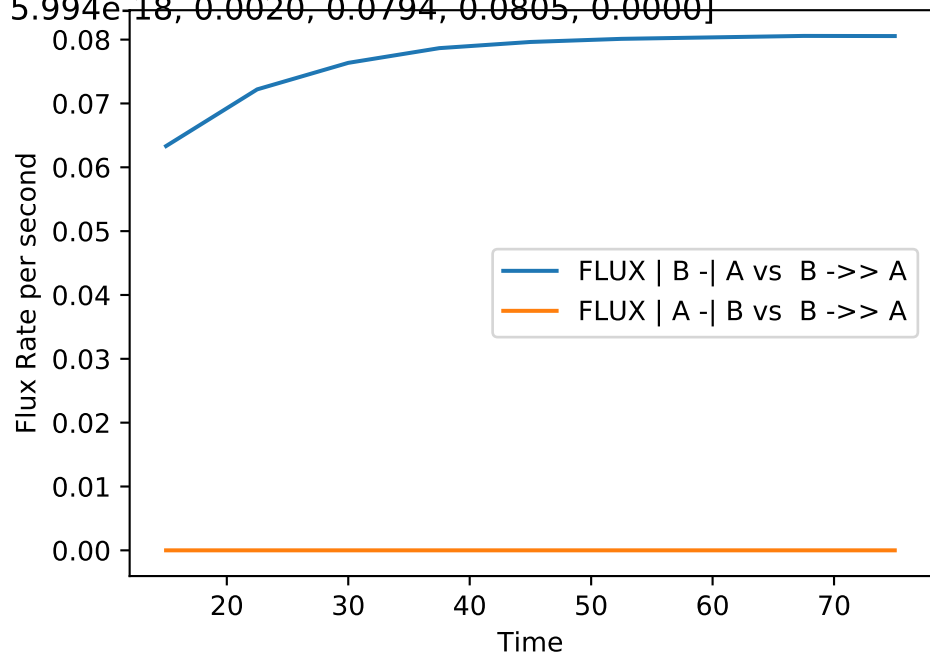
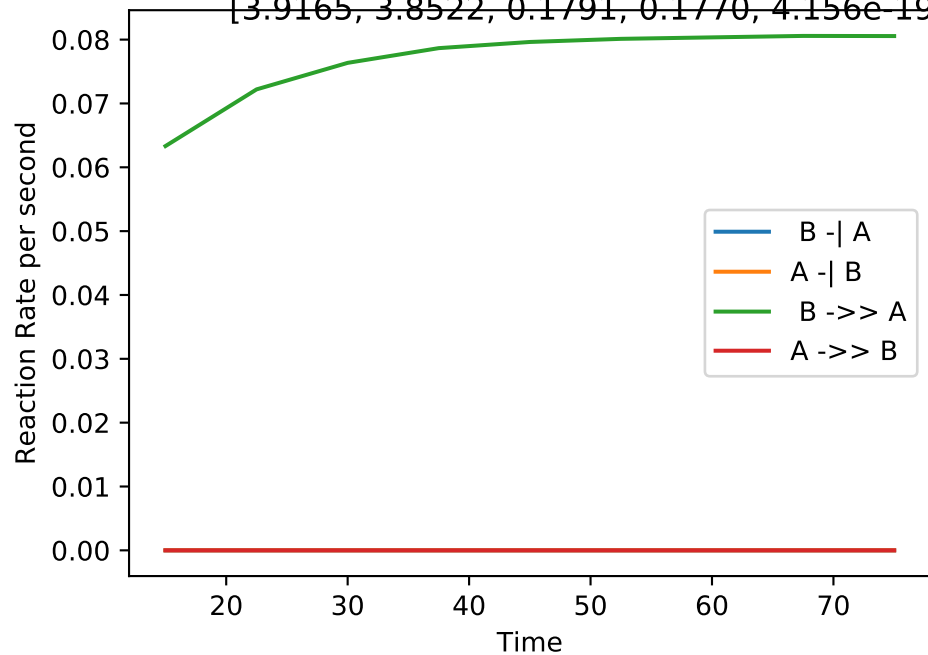
No_up | NLLA No_up(#236):

[4.2119, 3.3602, 0.2304, 0.1329, 1.792e-08, 0.0005007, 0.0215, 0.1035, 0.0684, 0.0001]



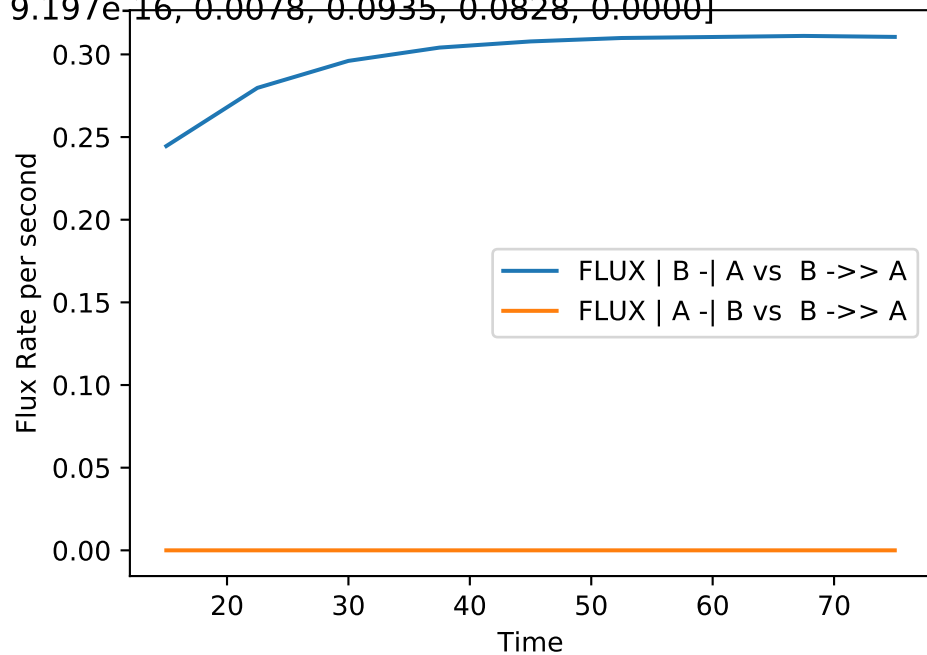
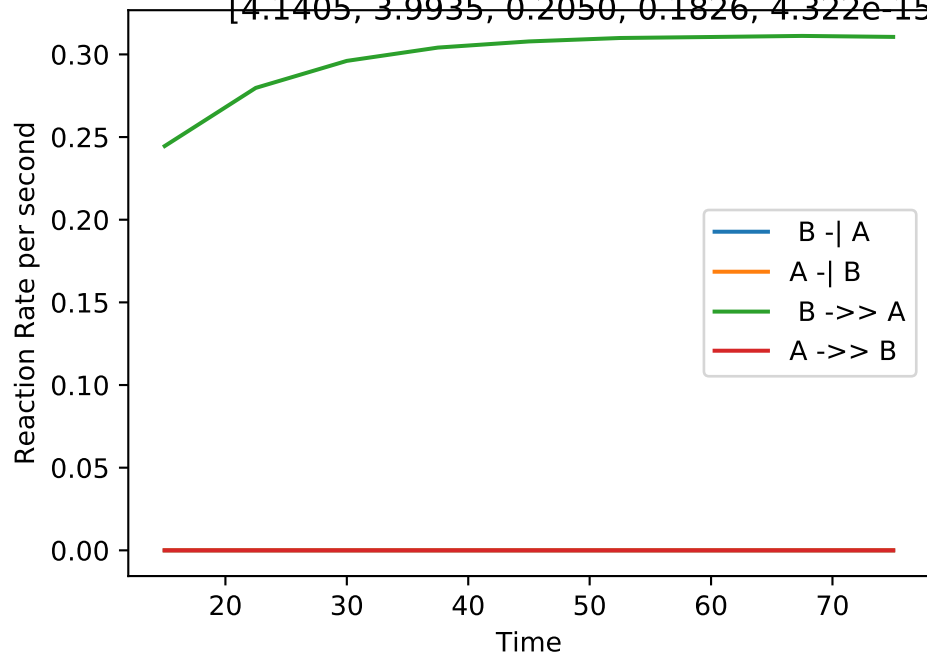
No_up | NLLA No_up(#237):

[3.9165, 3.8522, 0.1791, 0.1770, 4.156e-19, 5.994e-18, 0.0020, 0.0794, 0.0805, 0.0000]



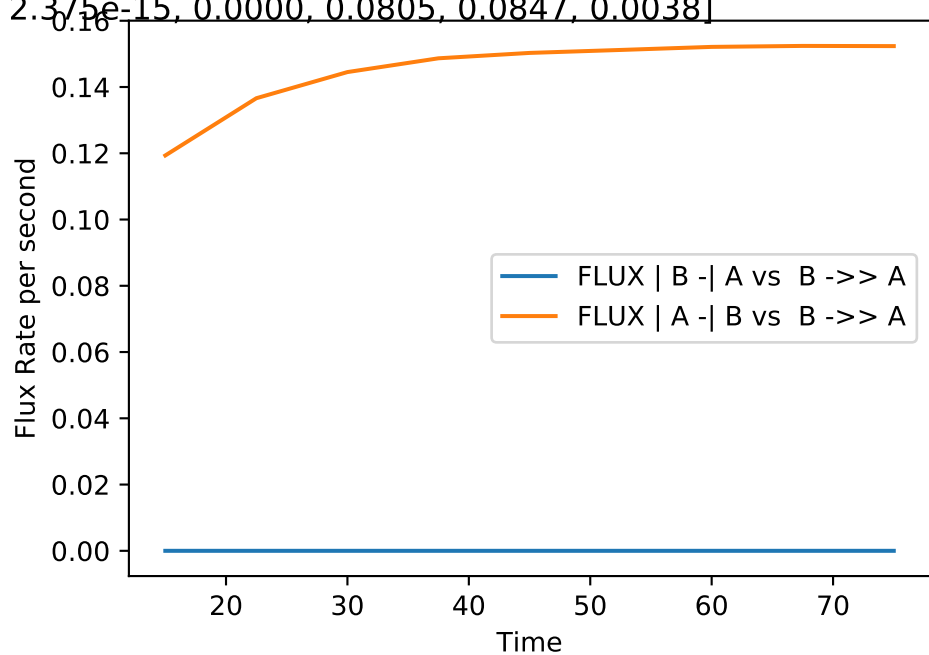
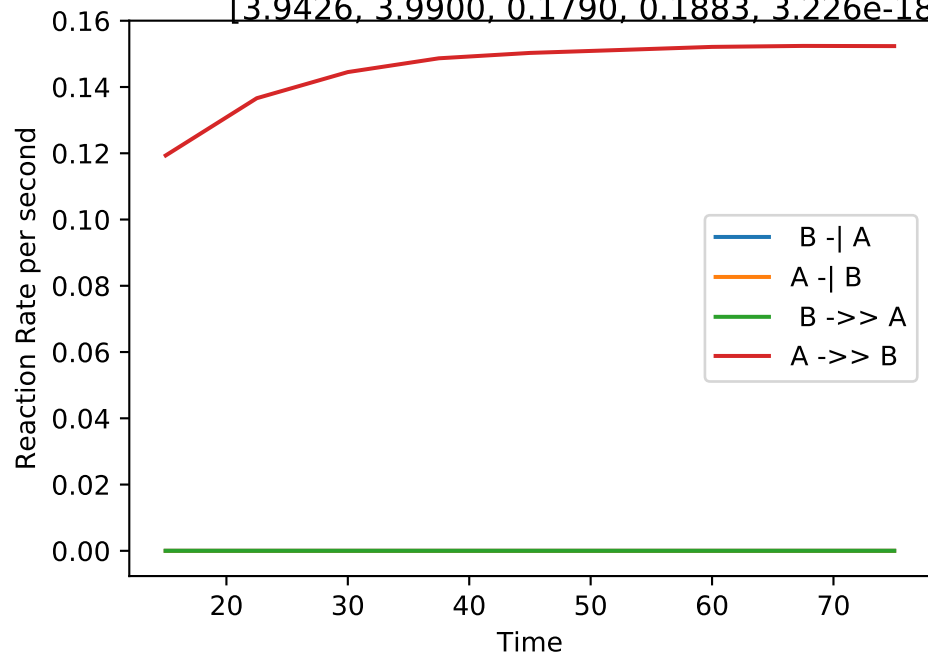
No_up | NLLA No_up(#238):

[4.1405, 3.9935, 0.2050, 0.1826, 4.322e-15, 9.197e-16, 0.0078, 0.0935, 0.0828, 0.0000]



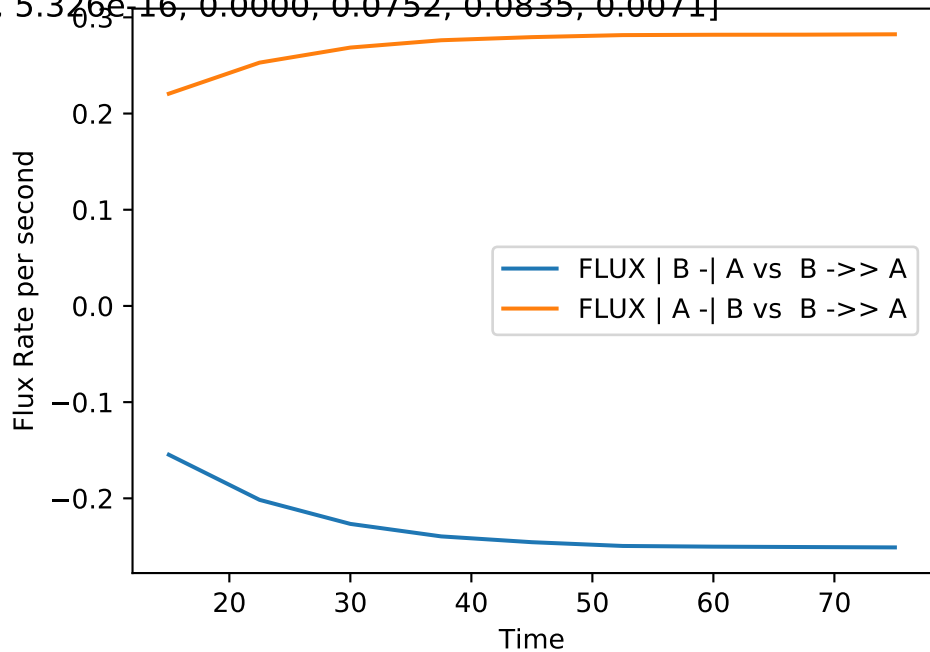
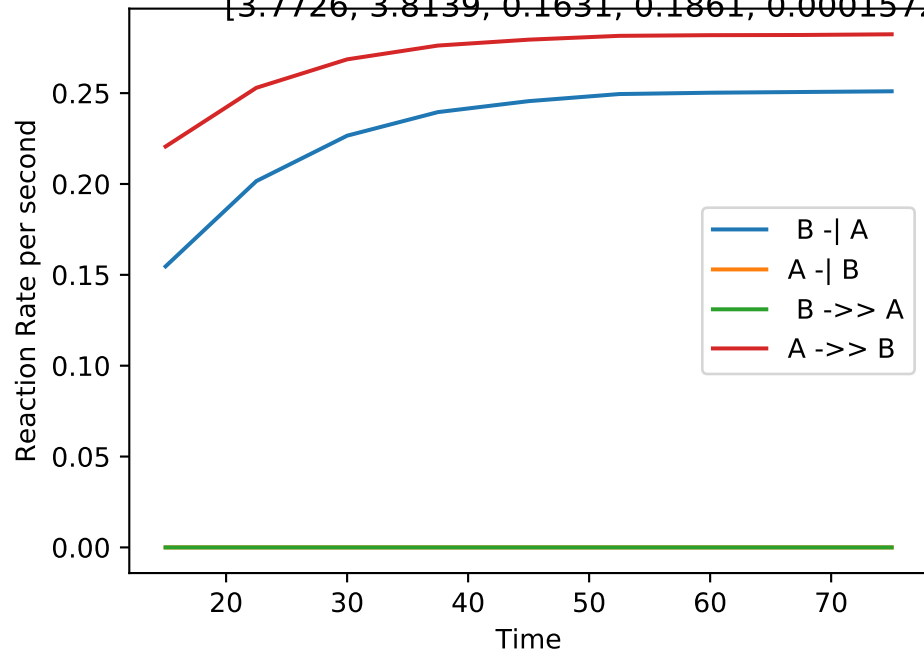
No_up | NLLA No_up(#239):

[3.9426, 3.9900, 0.1790, 0.1883, 3.226e-18, 2.375e-15, 0.0000, 0.0805, 0.0847, 0.0038]



No_up | NLLA No_up(#240):

[3.7726, 3.8139, 0.1631, 0.1861, 0.0001572, 5.326e-16, 0.0000, 0.0752, 0.0835, 0.0071]



No_up | NLLA No_up(#241):

[3.9954, 4.1933, 0.1809, 0.1964, 3.858e-15, 1.268e-24, 0.0000, 0.0811, 0.0886, 0.0026]

Reaction Rate per second

0.10
0.08
0.06
0.04
0.02
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.10
0.08
0.06
0.04
0.02
0.00

20

30

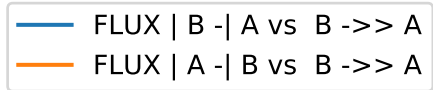
40

50

60

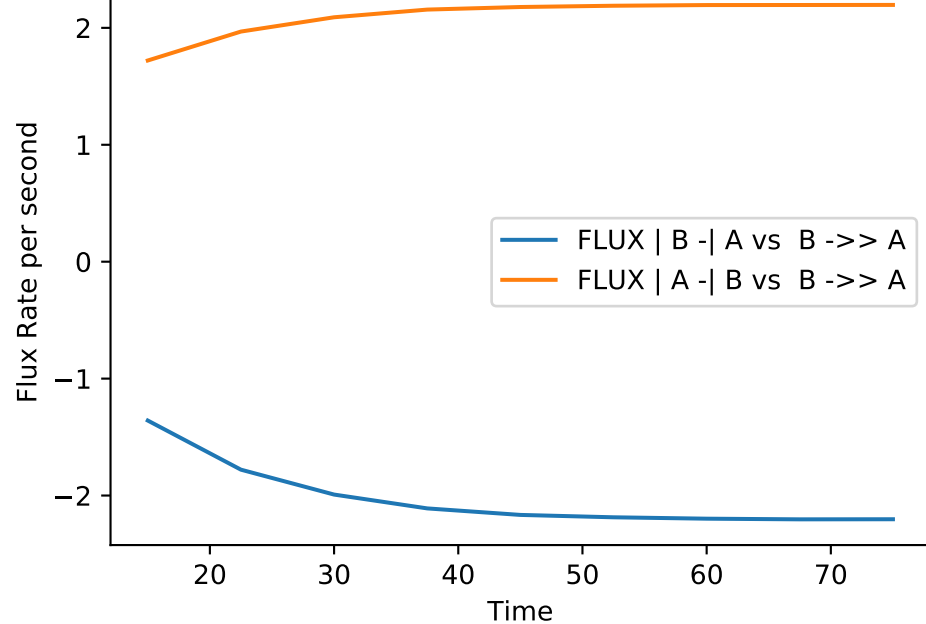
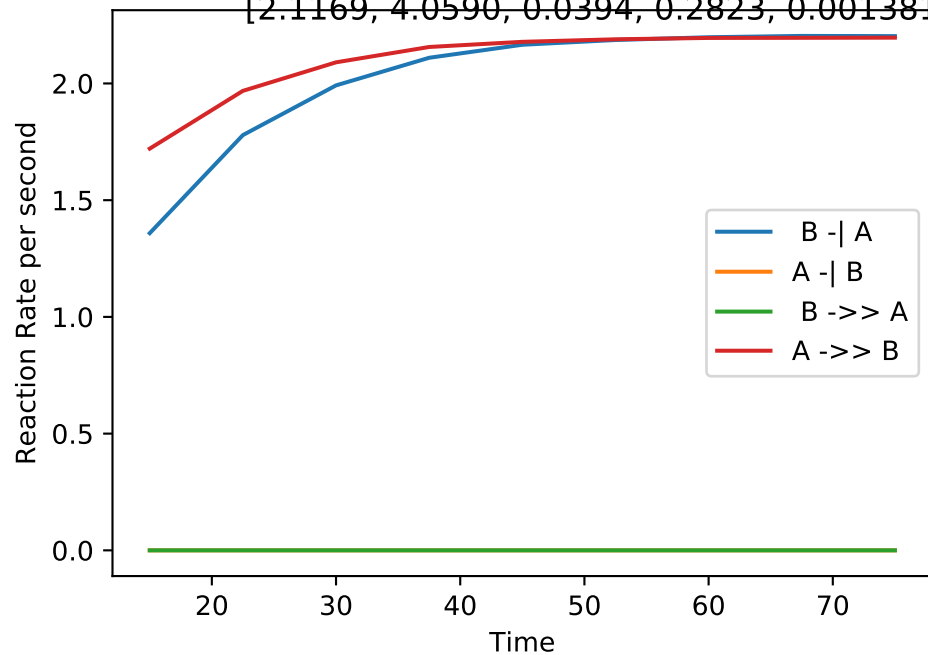
70

Time



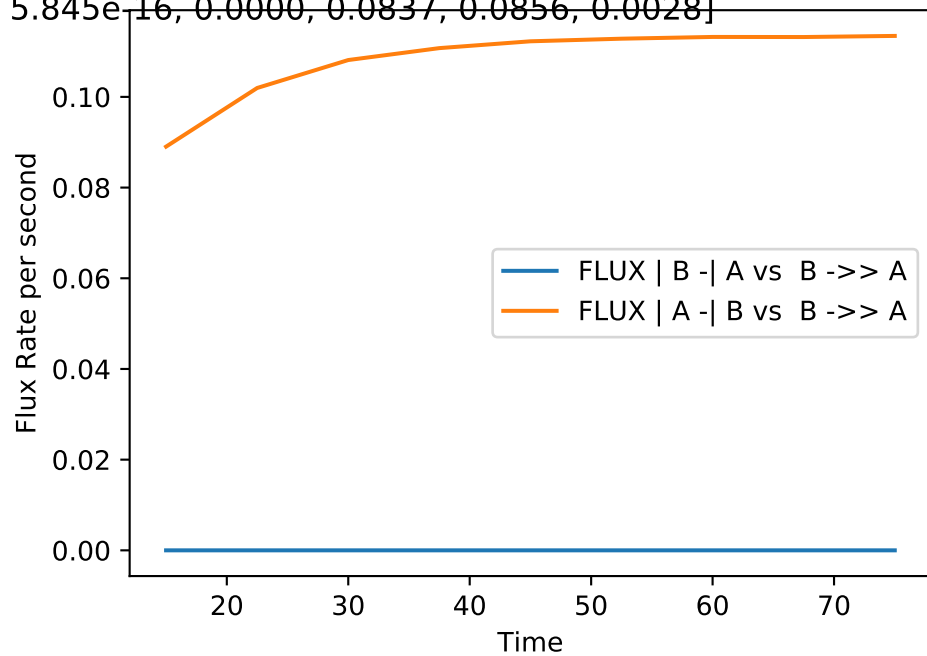
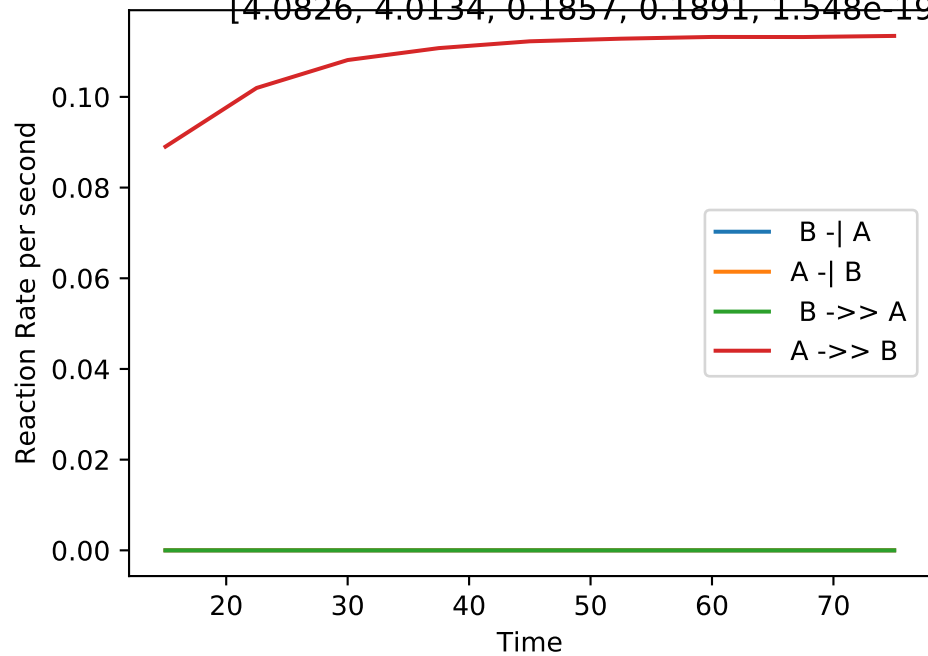
No_up | NLLA No_up(#242):

[2.1169, 4.0590, 0.0394, 0.2823, 0.001381, 5.98e-16, 0.0000, 0.0416, 0.1255, 0.0550]



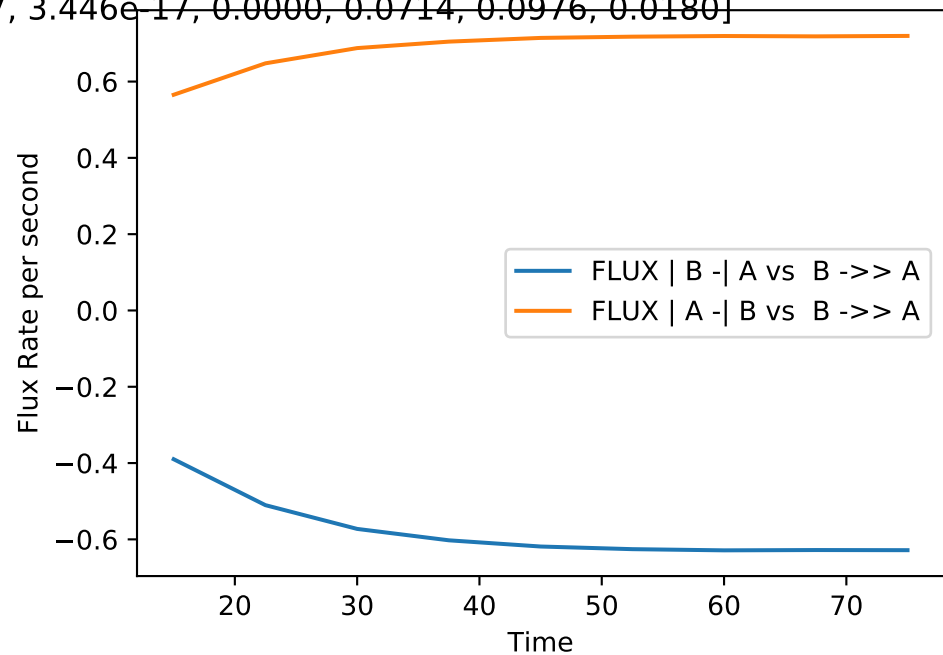
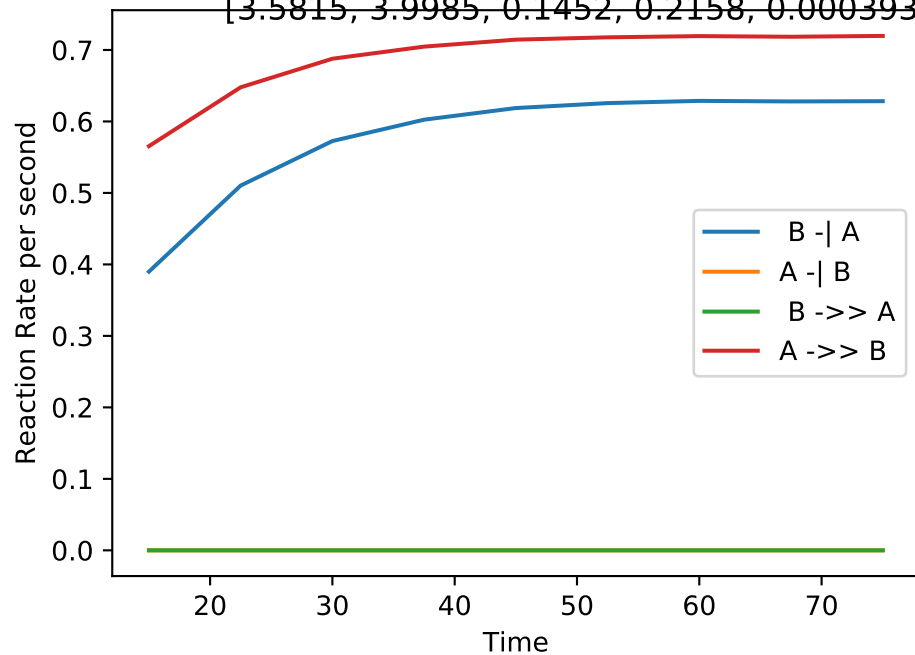
No_up | NLLA No_up(#243):

[4.0826, 4.0134, 0.1857, 0.1891, 1.548e-19, 5.845e-16, 0.0000, 0.0837, 0.0856, 0.0028]



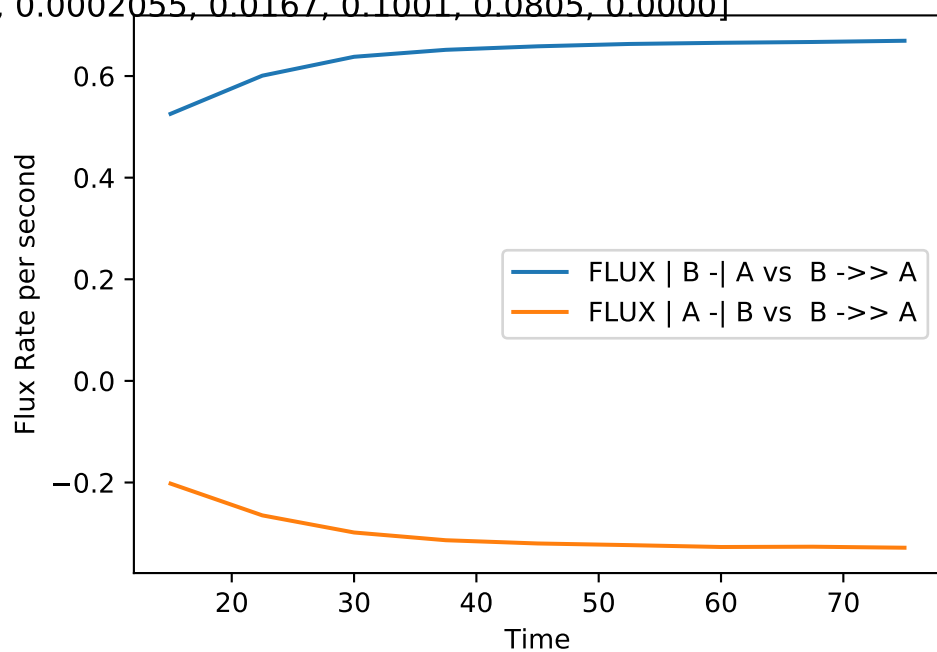
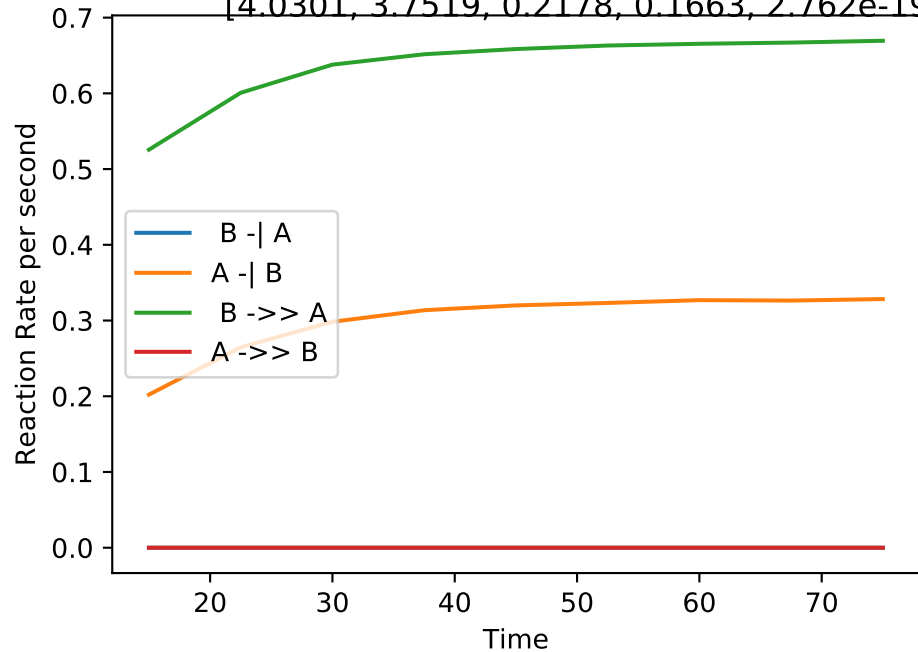
No_up | NLLA No_up(#244):

[3.5815, 3.9985, 0.1452, 0.2158, 0.0003937, 3.446e-17, 0.0000, 0.0714, 0.0976, 0.0180]



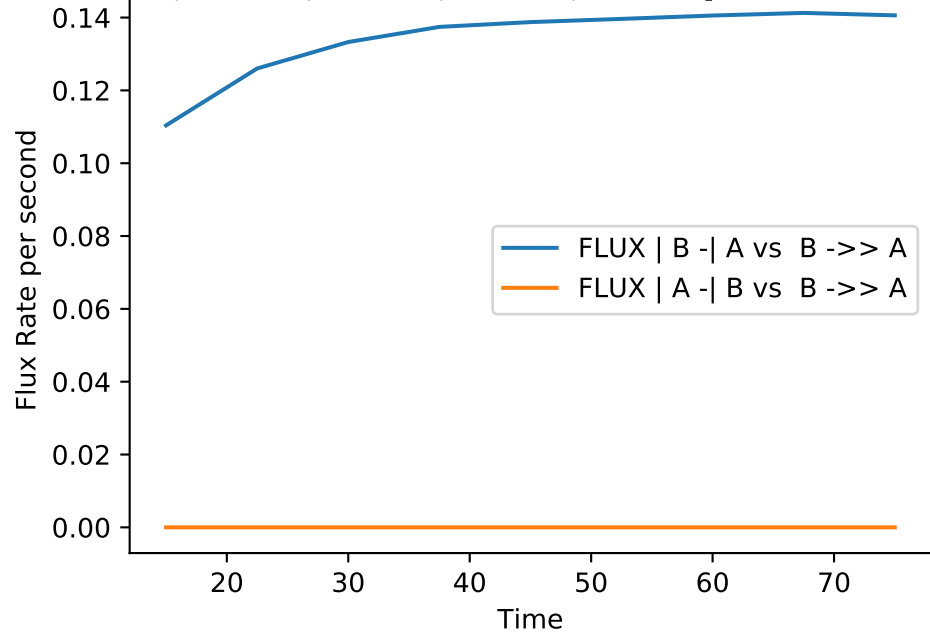
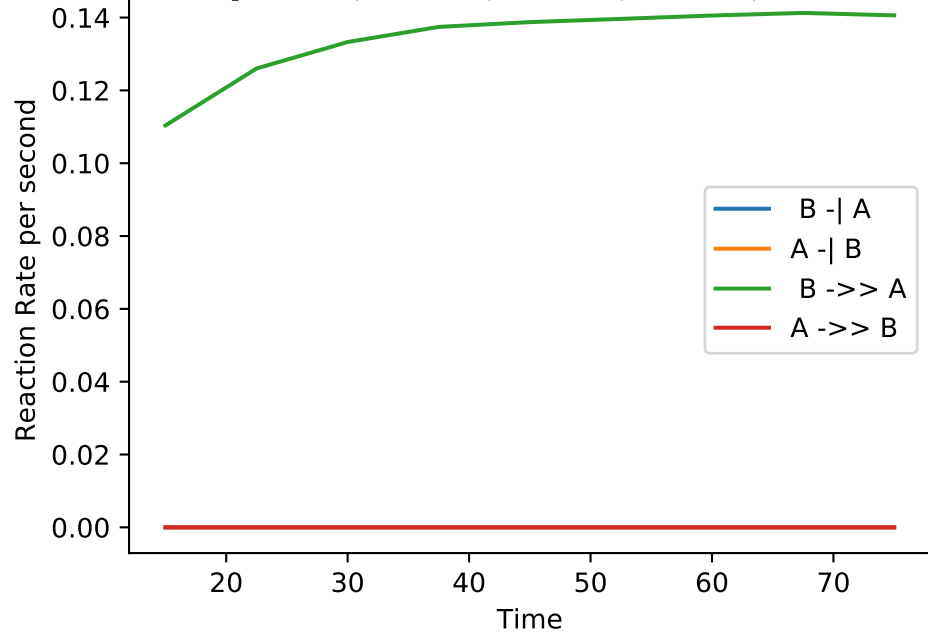
No_up | NLLA No_up(#245):

[4.0301, 3.7519, 0.2178, 0.1663, 2.762e-19, 0.0002055, 0.0167, 0.1001, 0.0805, 0.0000]



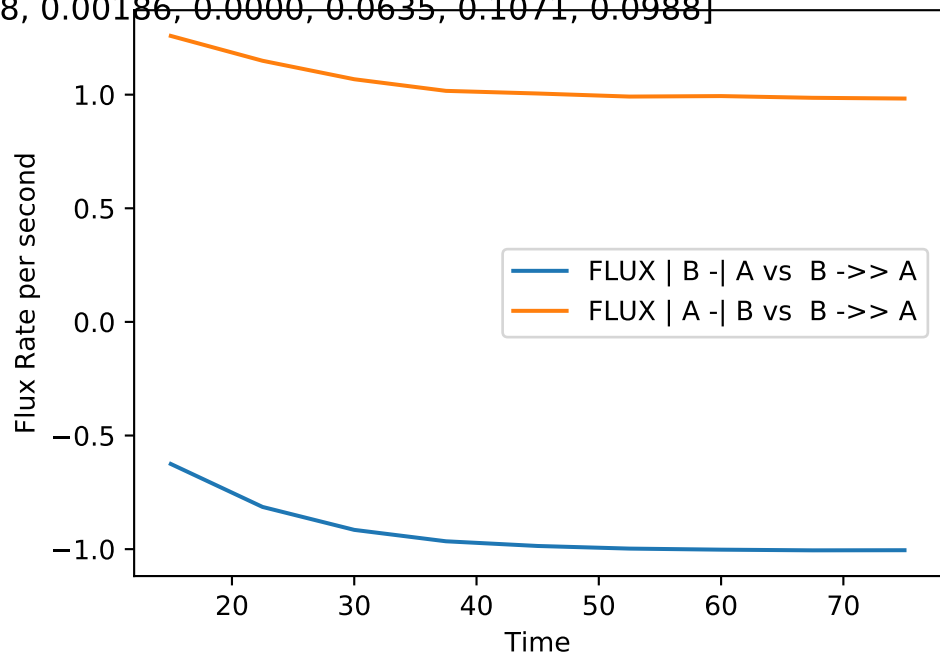
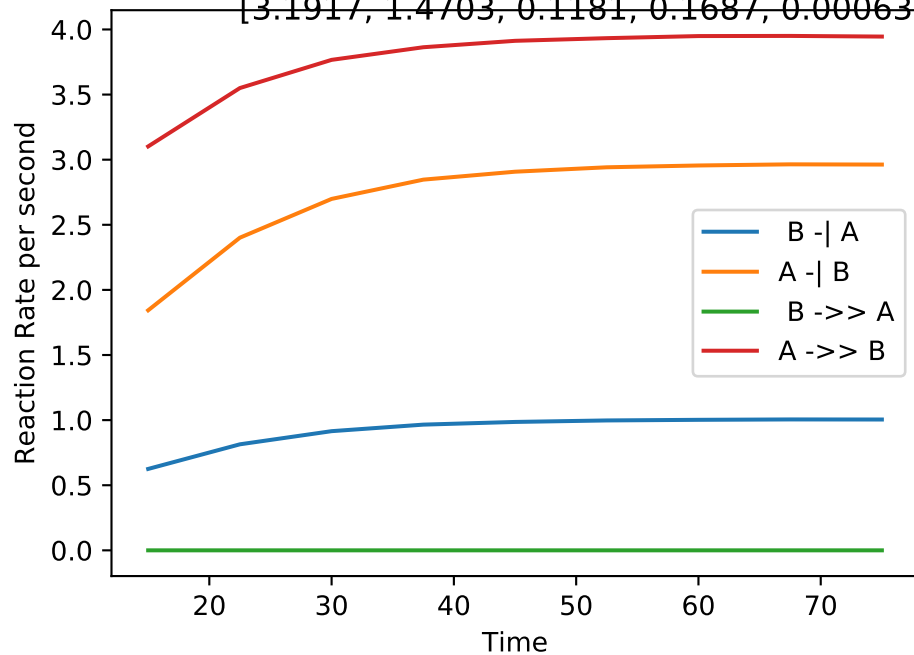
No_up | NLLA No_up(#246):

[4.0534, 3.8672, 0.1927, 0.1775, 4.997e-18, 8.957e-17, 0.0035, 0.0880, 0.0810, 0.0000]



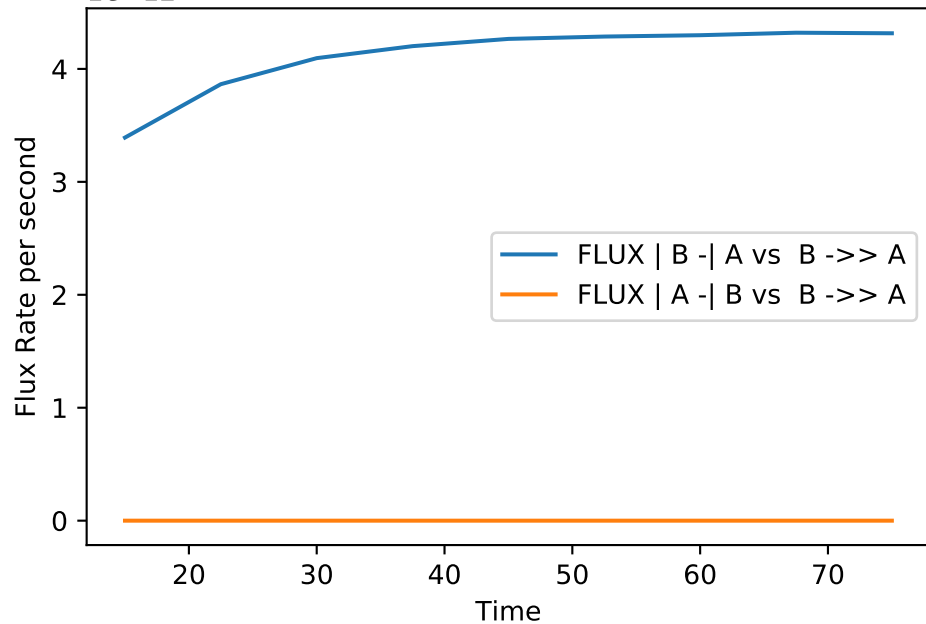
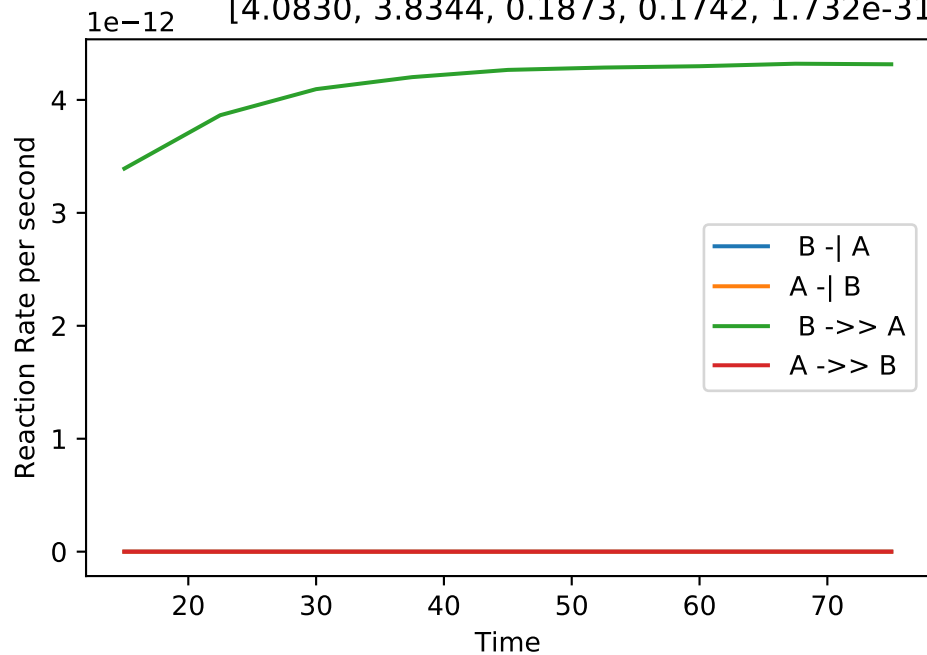
No_up | NLLA No_up(#247):

[3.1917, 1.4703, 0.1181, 0.1687, 0.0006308, 0.00186, 0.0000, 0.0635, 0.1071, 0.0988]



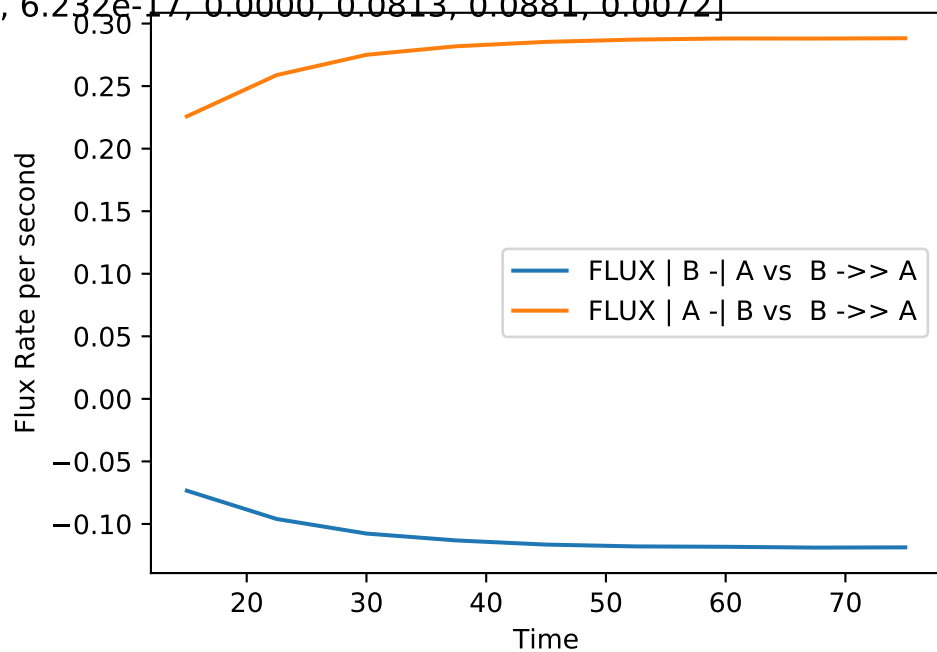
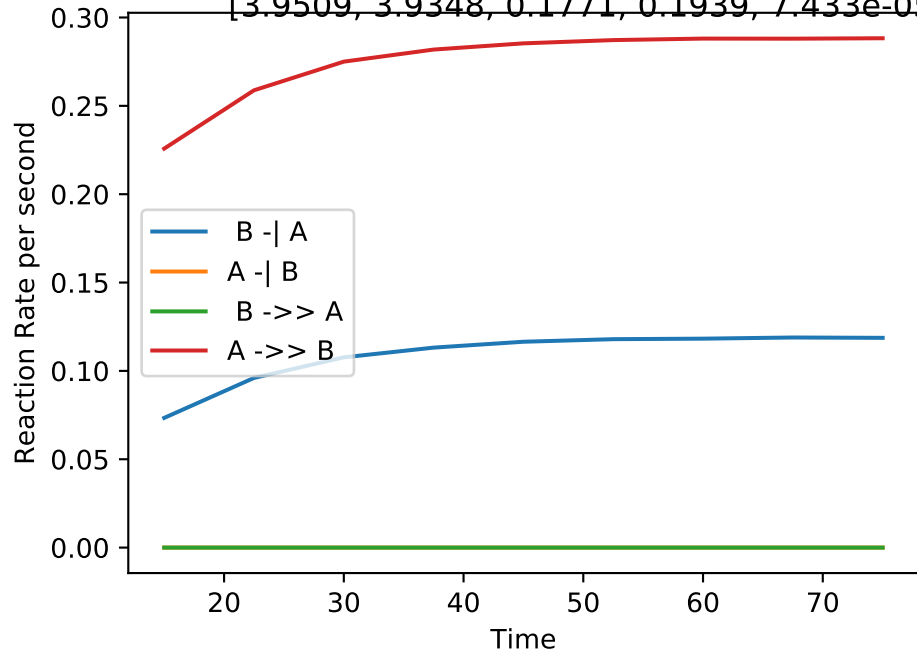
No_up | NLLA No_up(#248):

[4.0830, 3.8344, 0.1873, 0.1742, 1.732e-31, 4.178e-29, 0.0000, 0.0851, 0.0784, 0.0000]



No_up | NLLA No_up(#249):

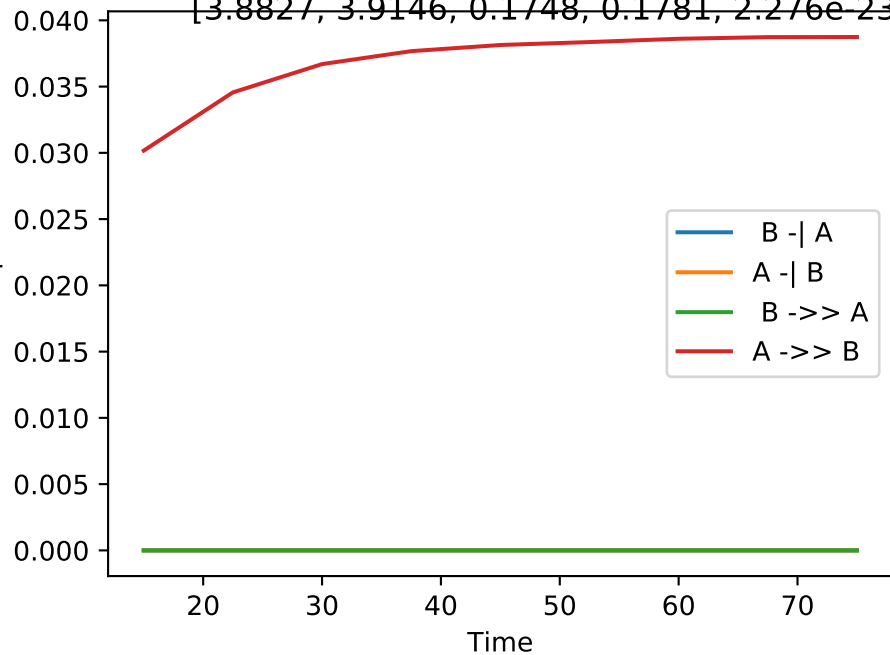
[3.9509, 3.9348, 0.1771, 0.1939, 7.433e-05, 6.232e-17, 0.0000, 0.0813, 0.0881, 0.0072]



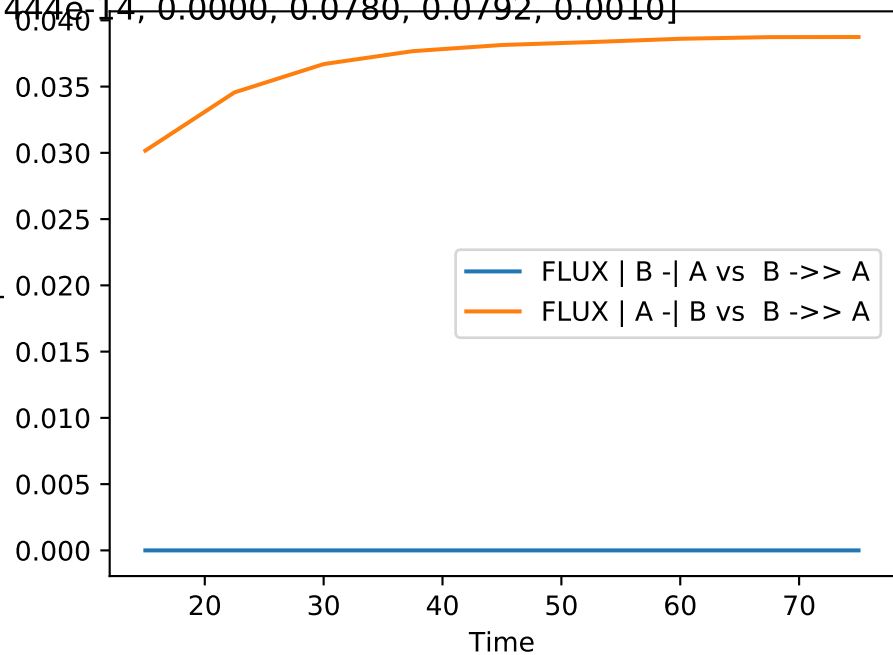
No_up | NLLA No_up(#250):

[3.8827, 3.9146, 0.1748, 0.1781, 2.276e-23, 4.444e-14, 0.0000, 0.0780, 0.0792, 0.0010]

Reaction Rate per second

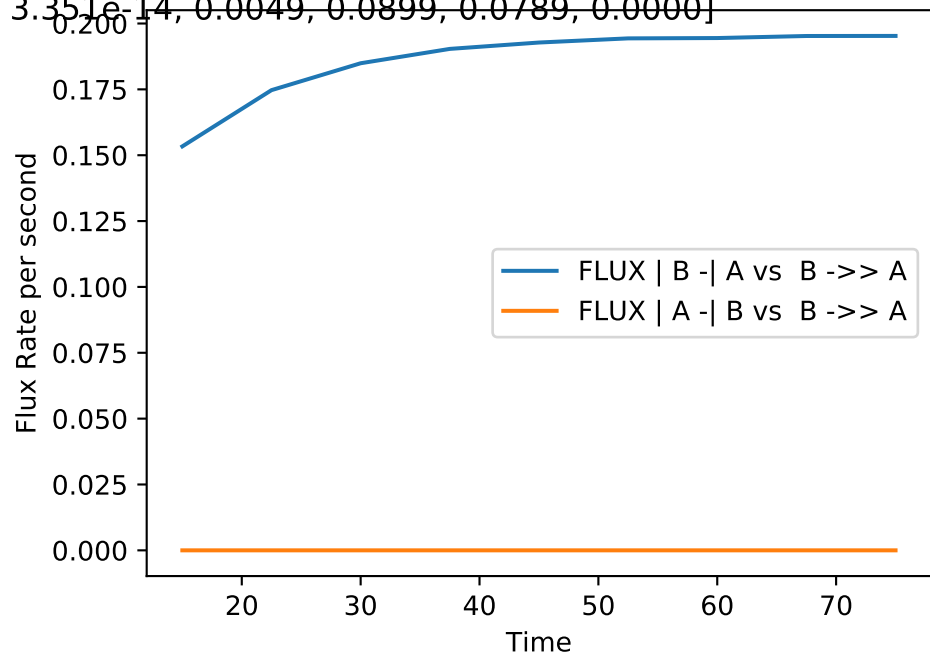
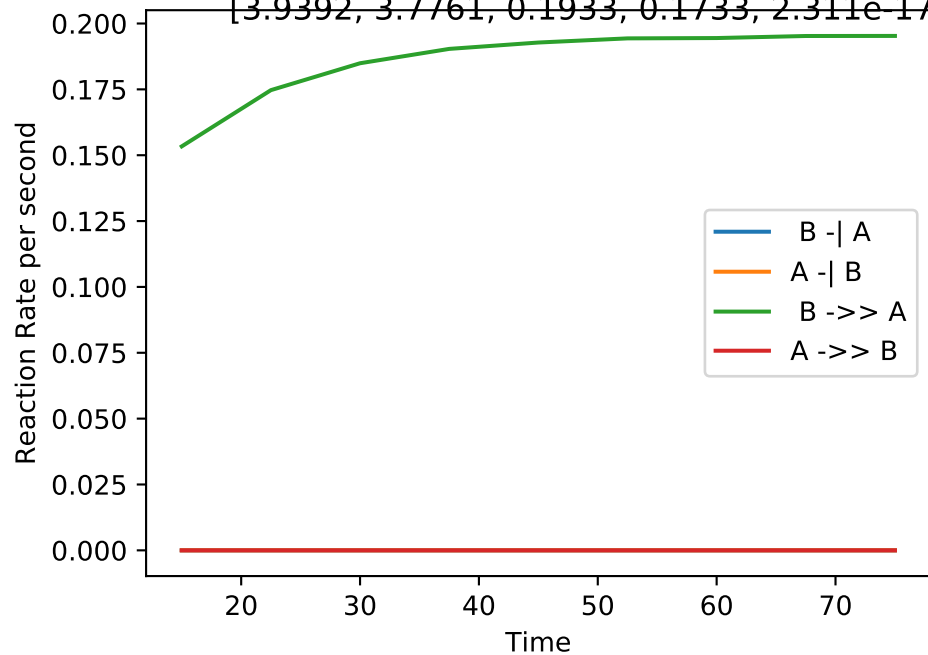


Flux Rate per second



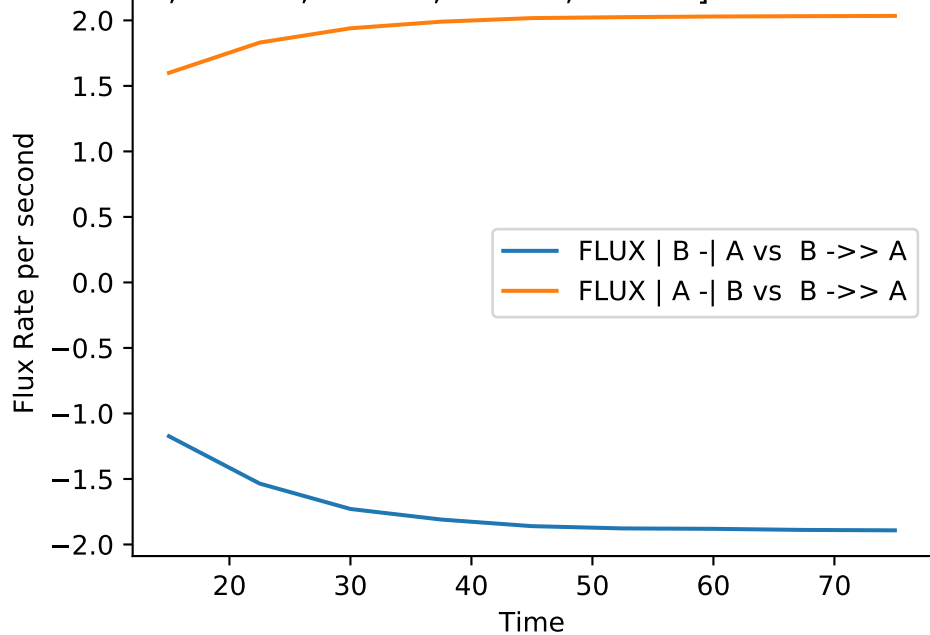
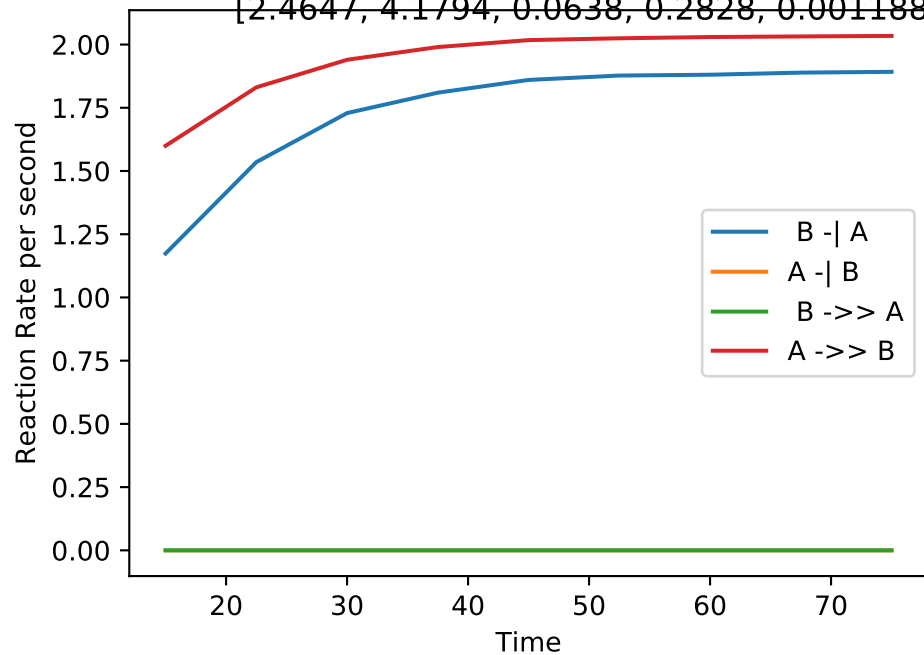
No_up | NLLA No_up(#251):

[3.9392, 3.7761, 0.1933, 0.1733, 2.311e-17, 3.351e-14, 0.0049, 0.0899, 0.0789, 0.0000]



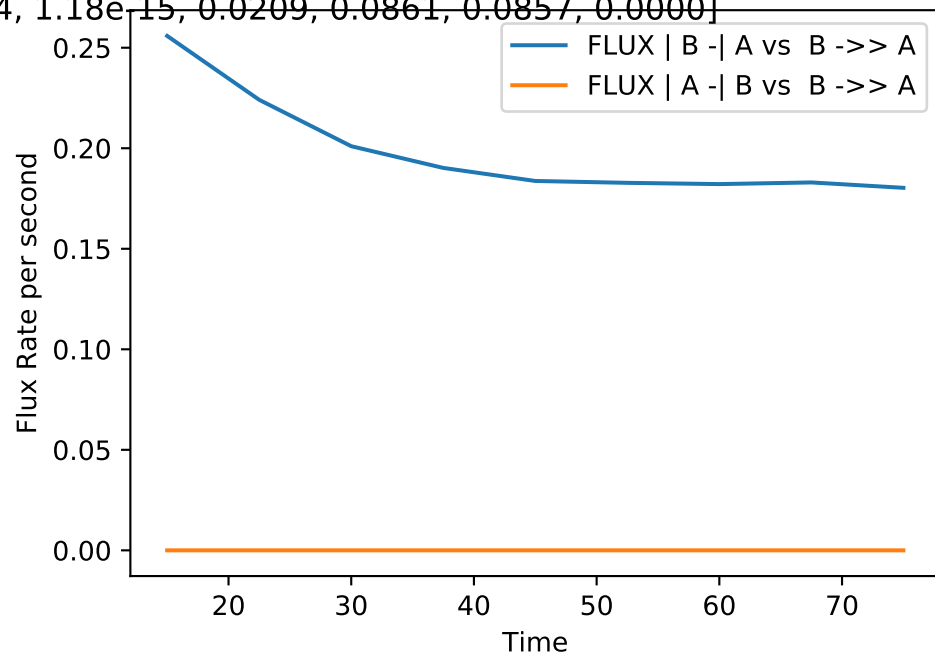
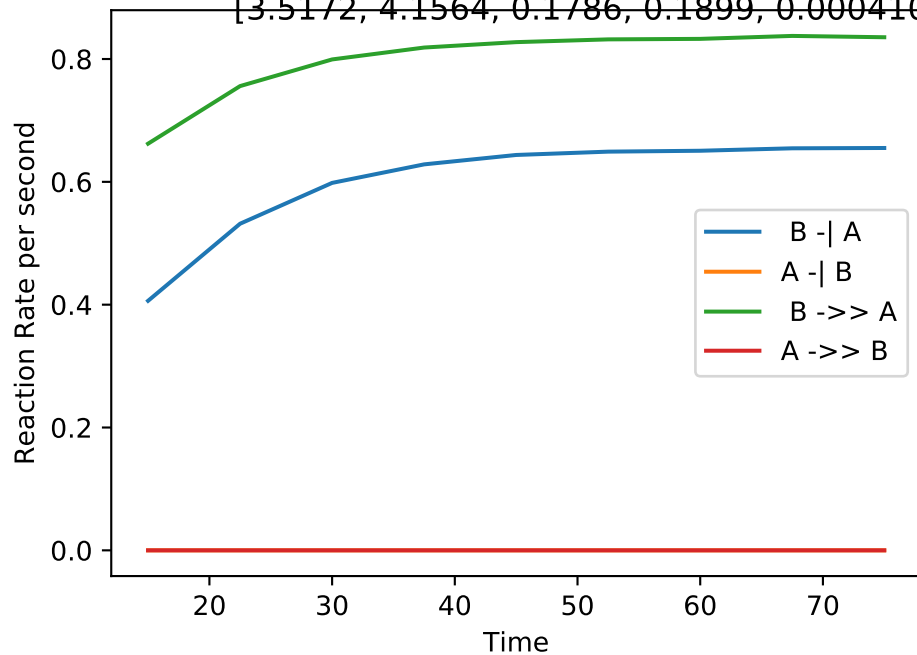
No_up | NLLA No_up(#252):

[2.4647, 4.1794, 0.0638, 0.2828, 0.001188, 1.767e-21, 0.0000, 0.0494, 0.1270, 0.0509]



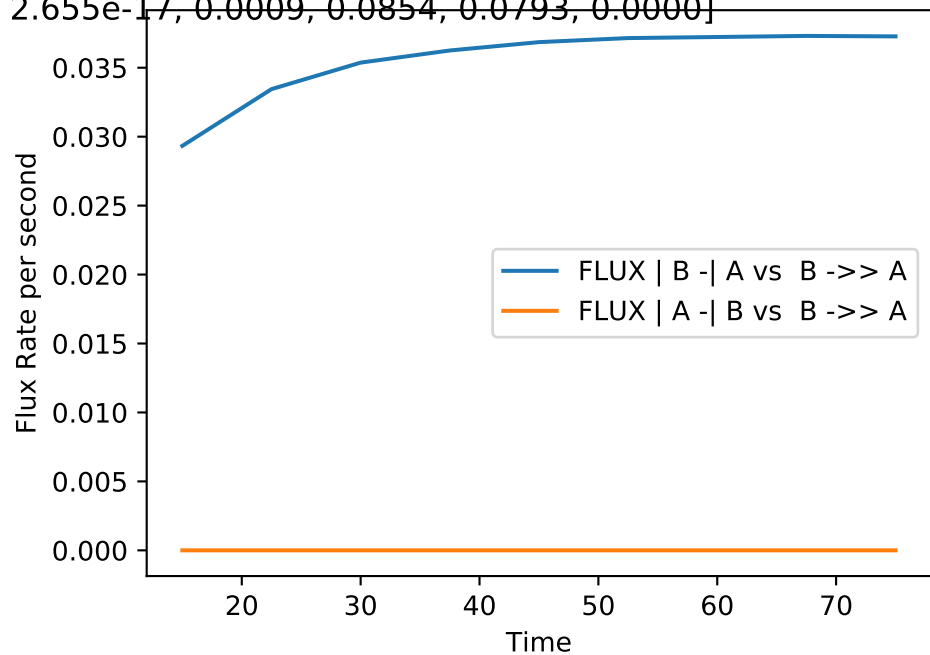
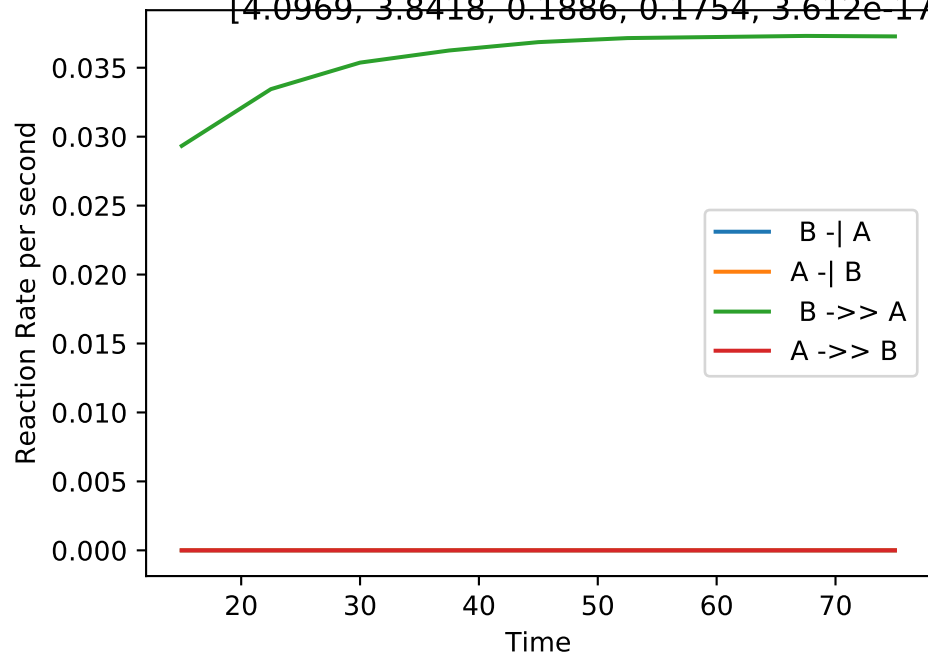
No_up | NLLA No_up(#253):

[3.5172, 4.1564, 0.1786, 0.1899, 0.0004104, 1.18e-15, 0.0209, 0.0861, 0.0857, 0.0000]



No_up | NLLA No_up(#254):

[4.0969, 3.8418, 0.1886, 0.1754, 3.612e-17, 2.655e-17, 0.0009, 0.0854, 0.0793, 0.0000]



No_up | NLLA No_up(#255):

[4.0901, 3.9548, 0.1831, 0.1810, 7.354e-22, 8.3e-13, 0.0000, 0.0807, 0.0801, 0.0021]

Reaction Rate per second

0.08
0.06
0.04
0.02
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.08
0.06
0.04
0.02
0.00

20

30

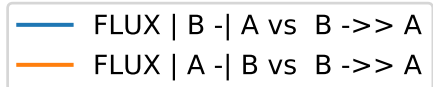
40

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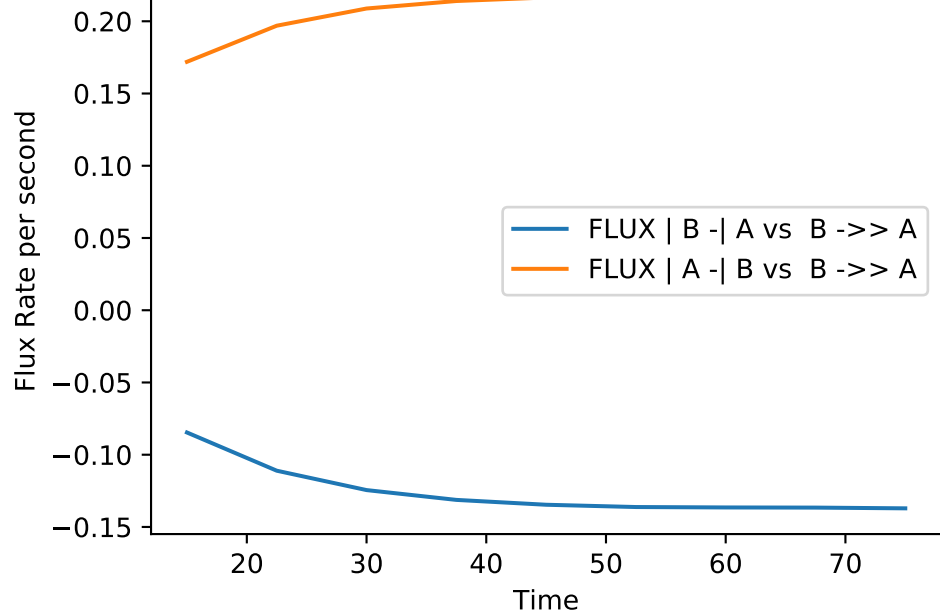
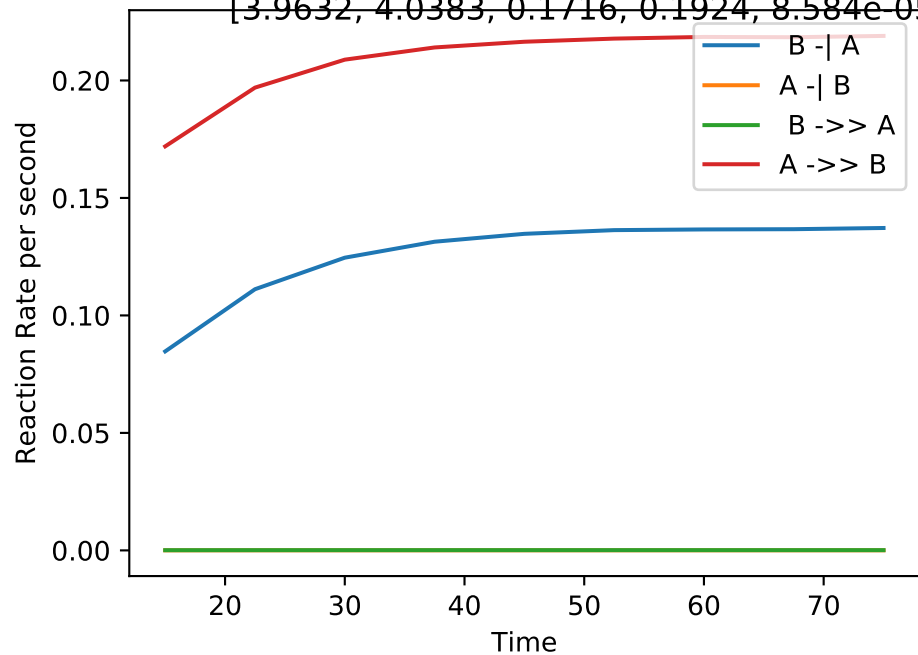
70

Time



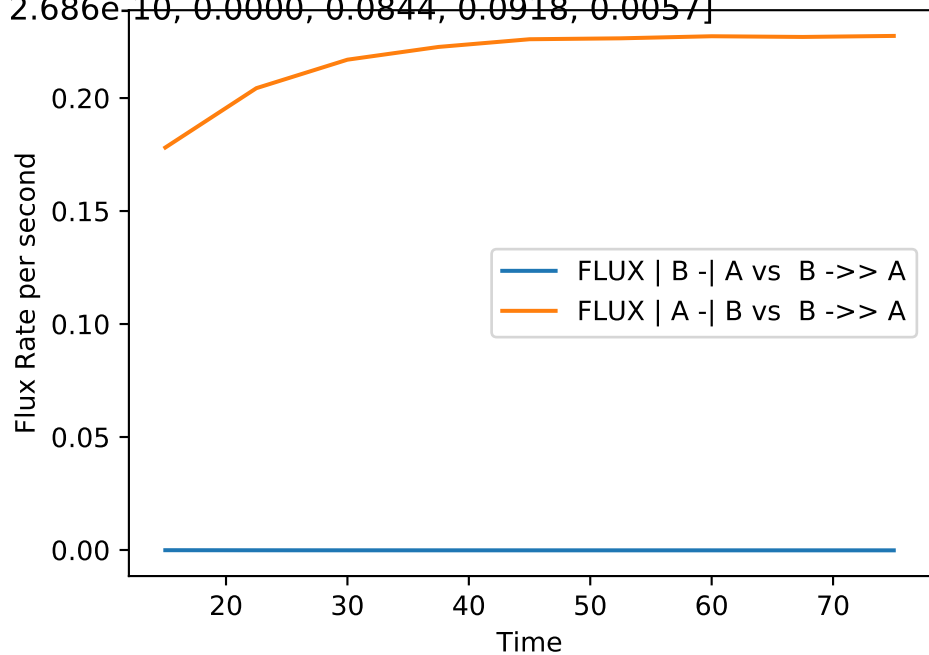
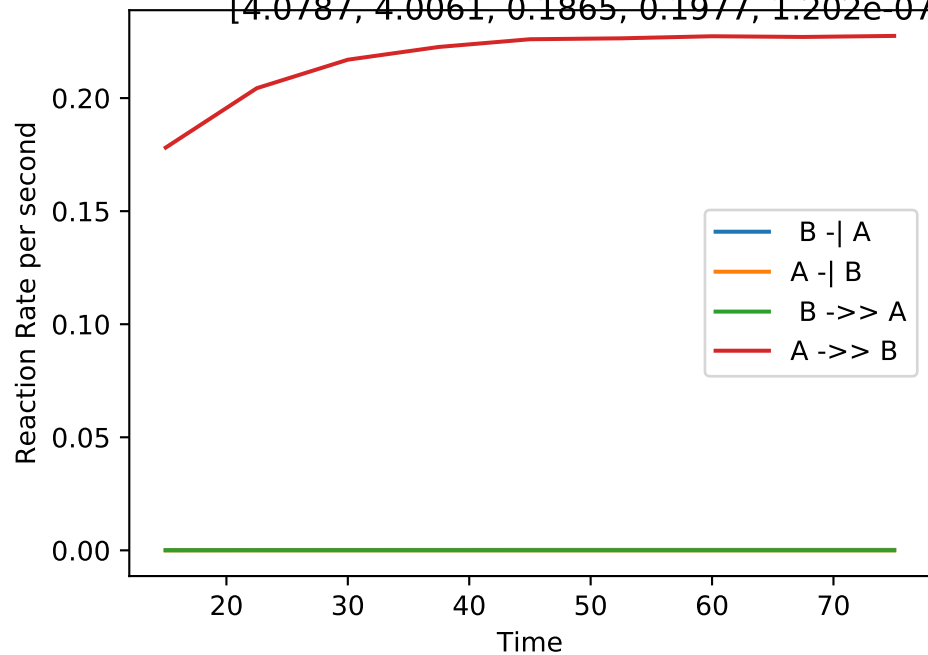
No_up | NLLA No_up(#256):

[3.9632, 4.0383, 0.1716, 0.1924, 8.584e-05, 1.971e-08, 0.0000, 0.0759, 0.0860, 0.0055]



No_up | NLLA No_up(#257):

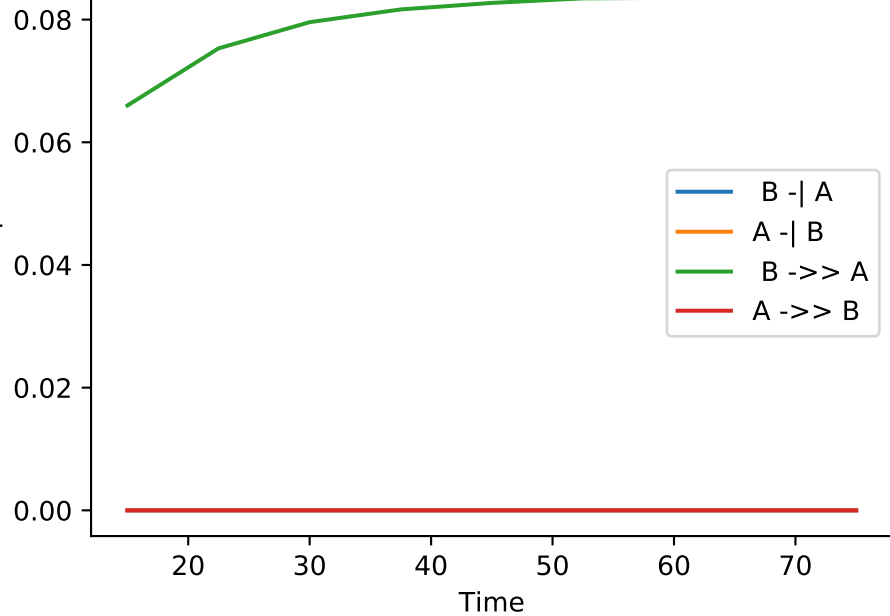
[4.0787, 4.0061, 0.1865, 0.1977, 1.202e-07, 2.686e-10, 0.0000, 0.0844, 0.0918, 0.0057]



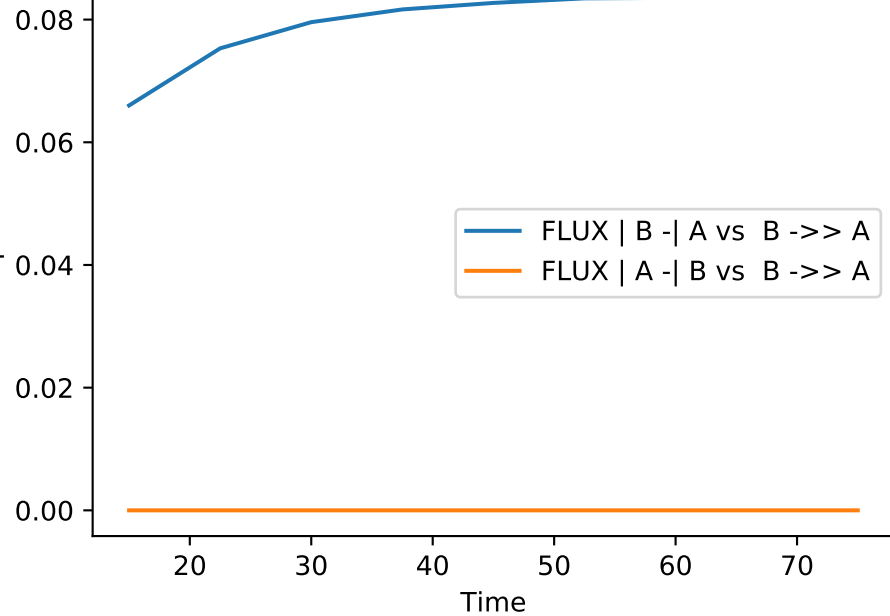
No_up | NLLA No_up(#258):

[4.0450, 3.8898, 0.1858, 0.1774, 1.615e-16, 2.159e-14, 0.0021, 0.0824, 0.0802, 0.0000]

Reaction Rate per second

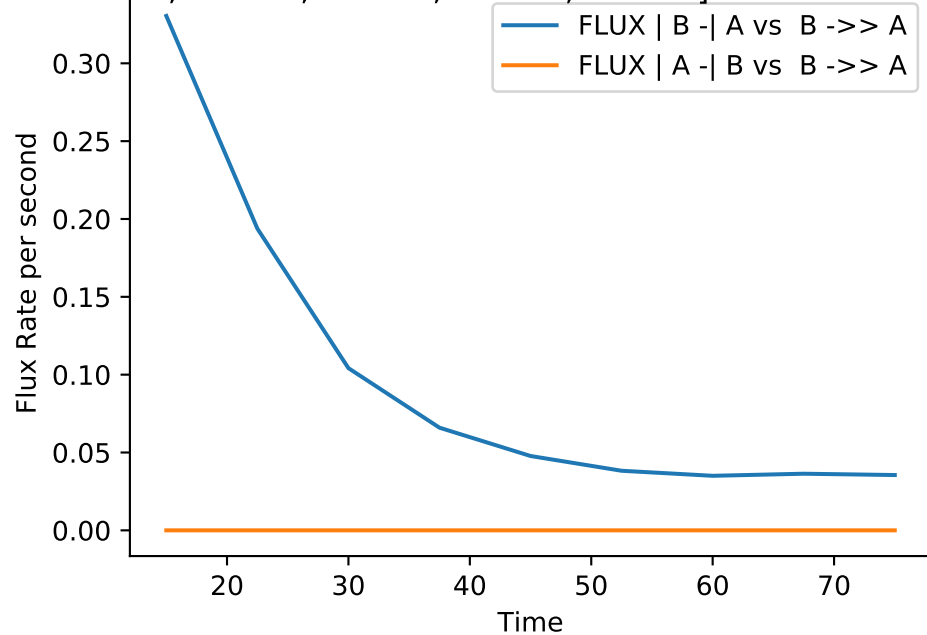
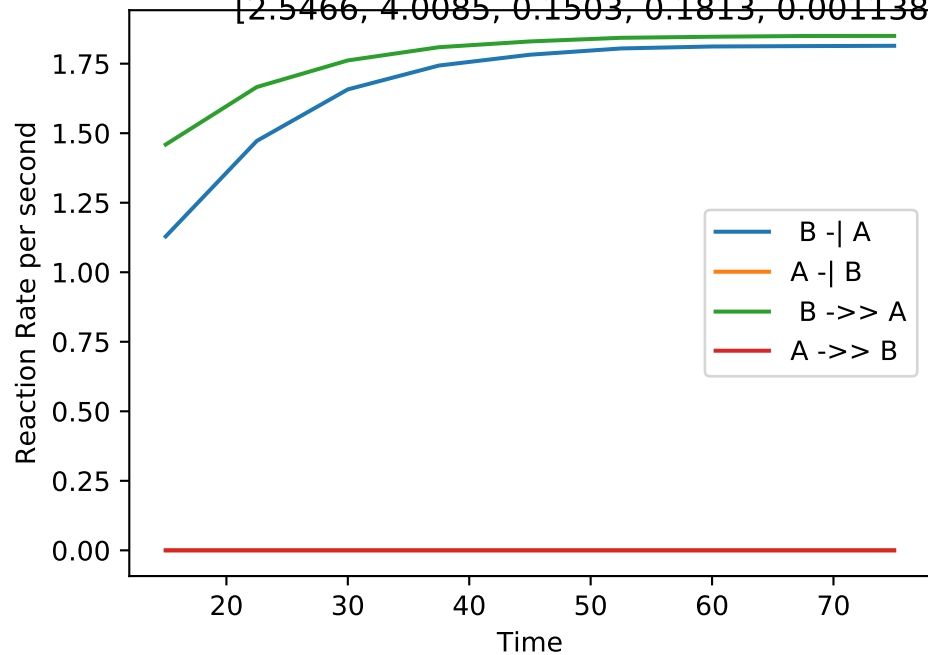


Flux Rate per second



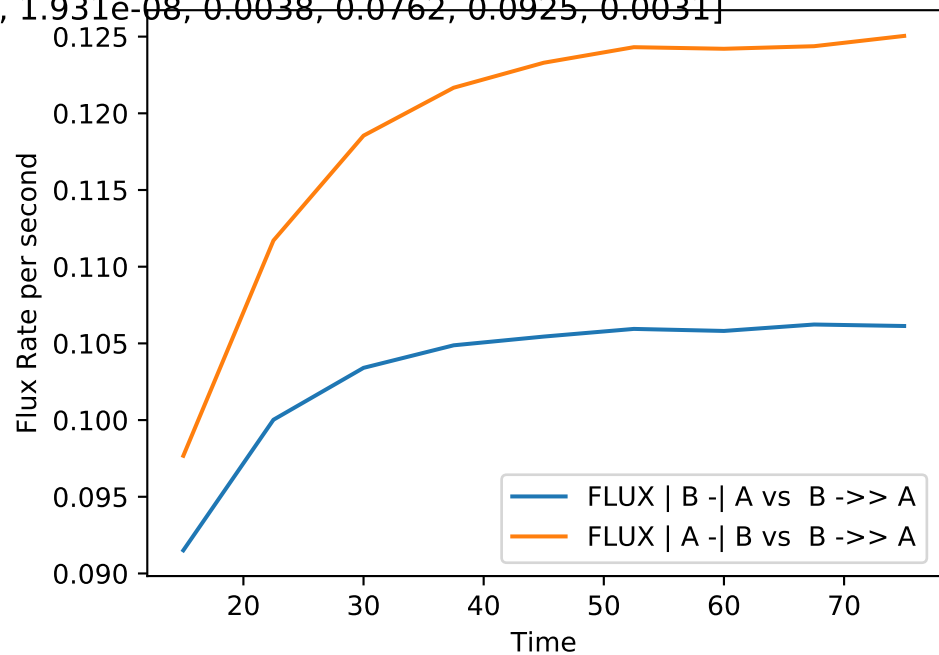
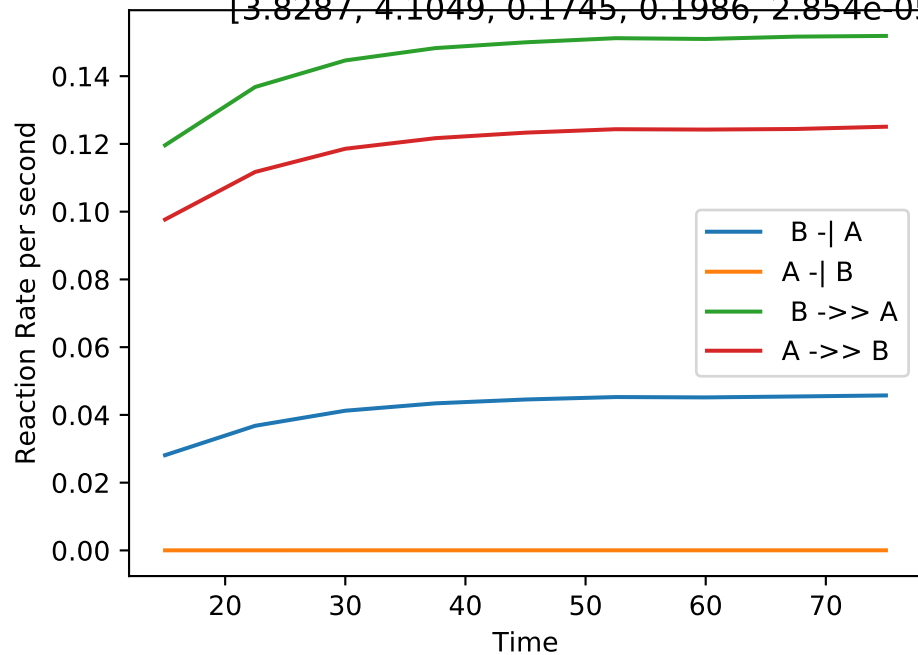
No_up | NLLA No_up(#259):

[2.5466, 4.0085, 0.1503, 0.1813, 0.001138, 1.531e-21, 0.0463, 0.0857, 0.0811, 0.0000]



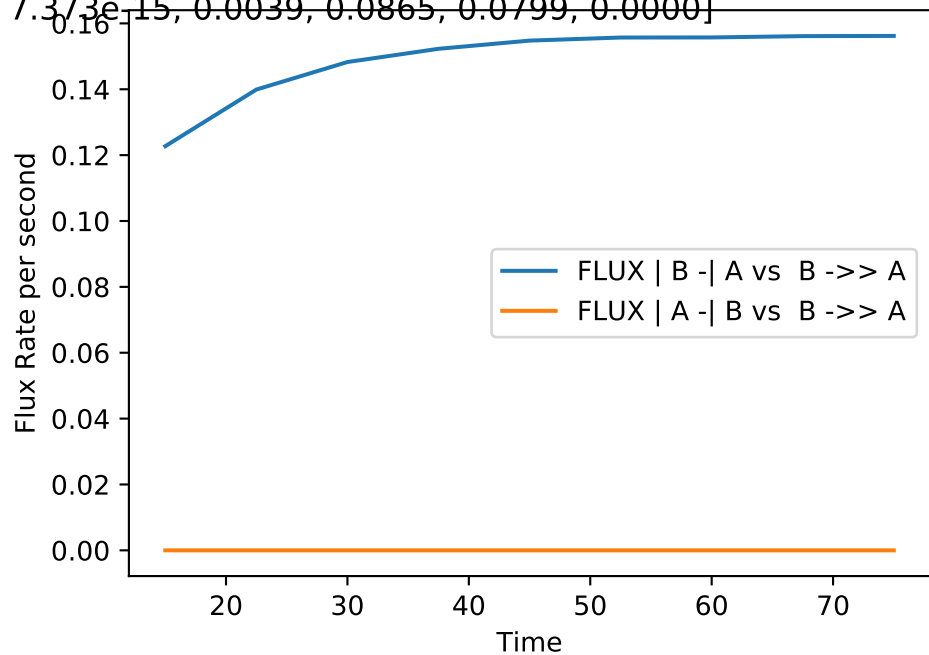
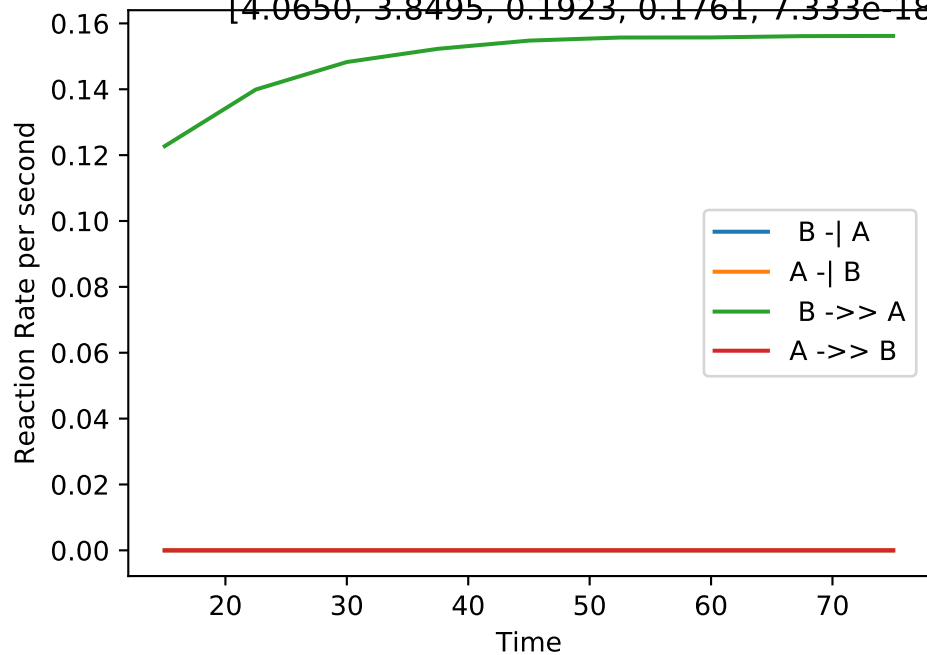
No_up | NLLA No_up(#260):

[3.8287, 4.1049, 0.1745, 0.1986, 2.854e-05, 1.931e-08, 0.0038, 0.0762, 0.0925, 0.0031]



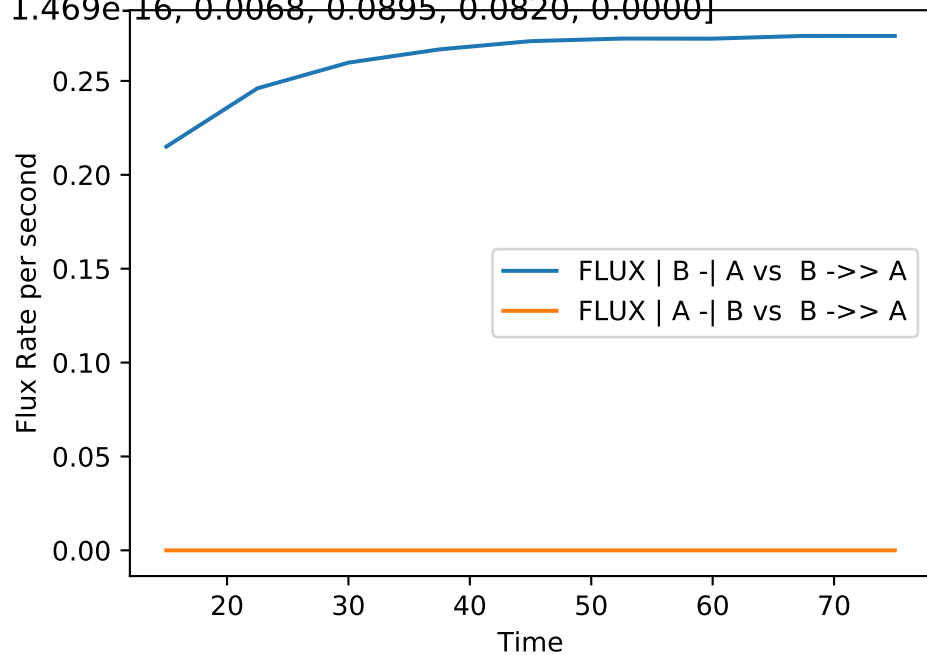
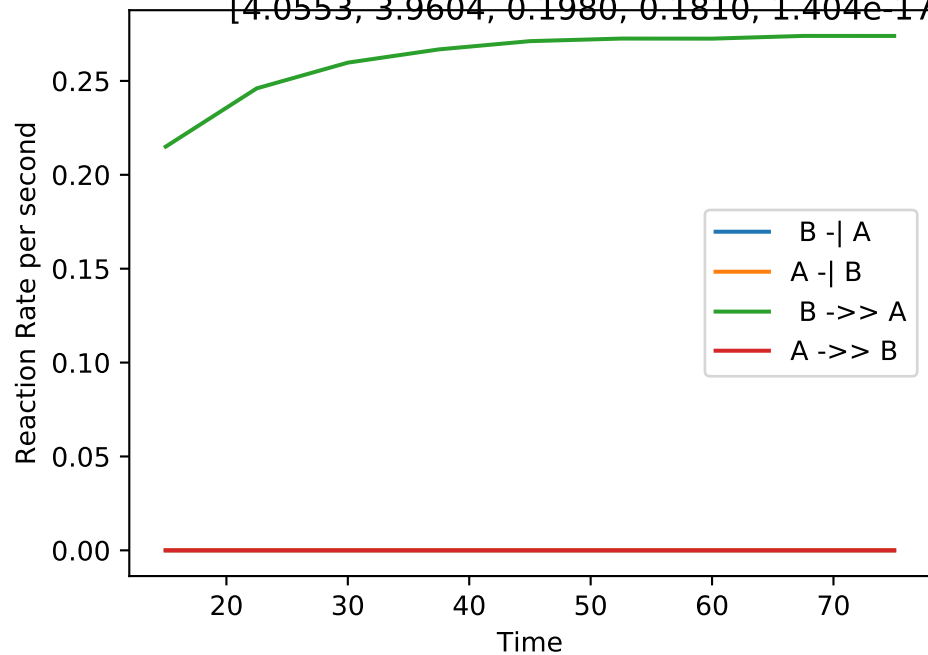
No_up | NLLA No_up(#261):

[4.0650, 3.8495, 0.1923, 0.1761, 7.333e-18, 7.373e-15, 0.0039, 0.0865, 0.0799, 0.0000]



No_up | NLLA No_up(#262):

[4.0553, 3.9604, 0.1980, 0.1810, 1.404e-17, 1.469e-16, 0.0068, 0.0895, 0.0820, 0.0000]



No_up | NLLA No_up(#263):

[3.9833, 4.0666, 0.1793, 0.1907, 1.013e-16, 3.447e-19, 0.0000, 0.0800, 0.0858, 0.0031]

Reaction Rate per second

0.12
0.10
0.08
0.06
0.04
0.02
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.12
0.10
0.08
0.06
0.04
0.02
0.00

20

30

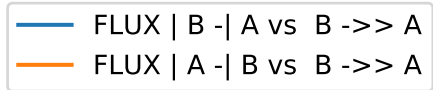
40

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60

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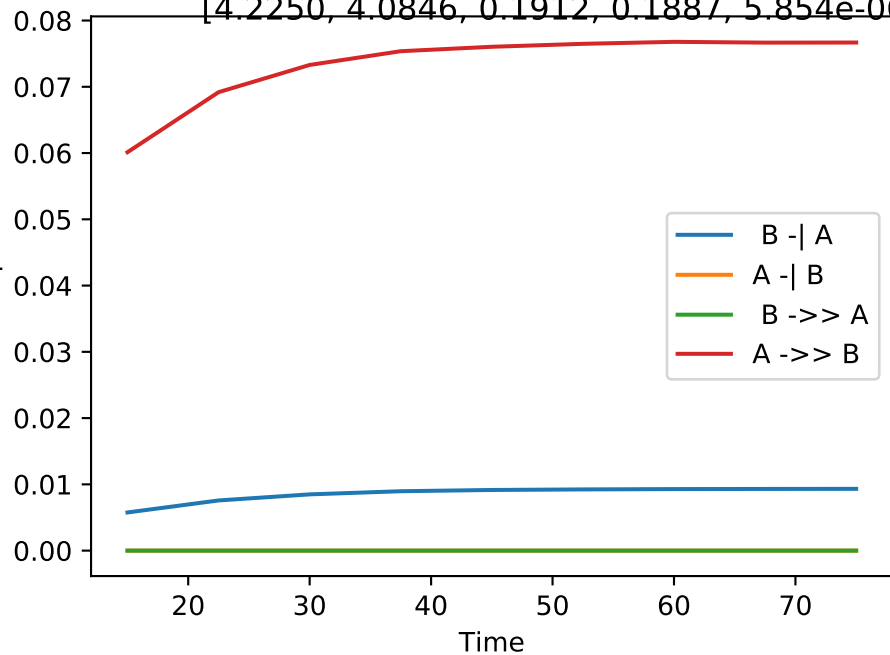
Time



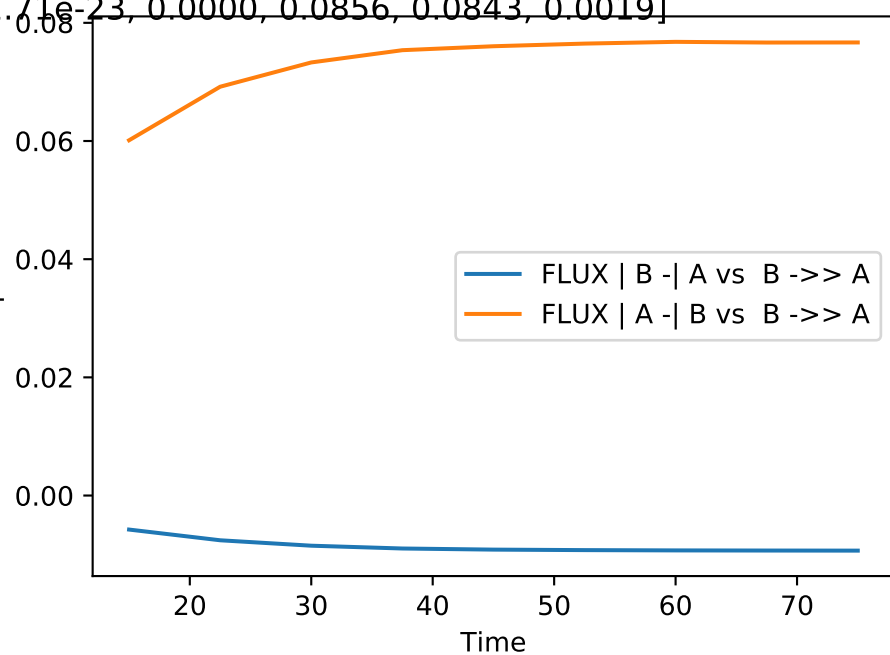
No_up | NLLA No_up(#264):

[4.2250, 4.0846, 0.1912, 0.1887, 5.854e-06, 1.71e-23, 0.0000, 0.0856, 0.0843, 0.0019]

Reaction Rate per second

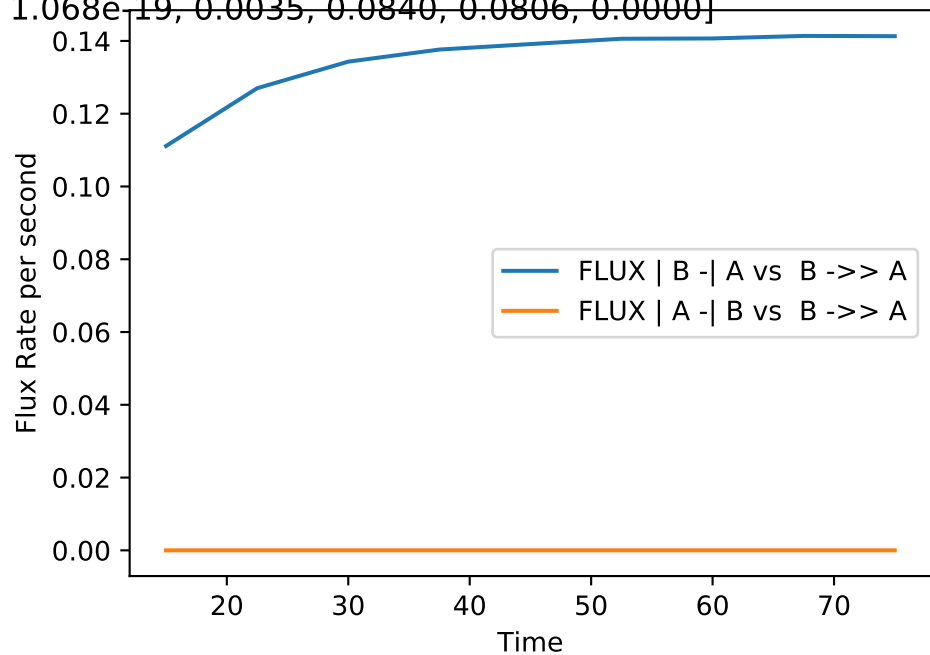
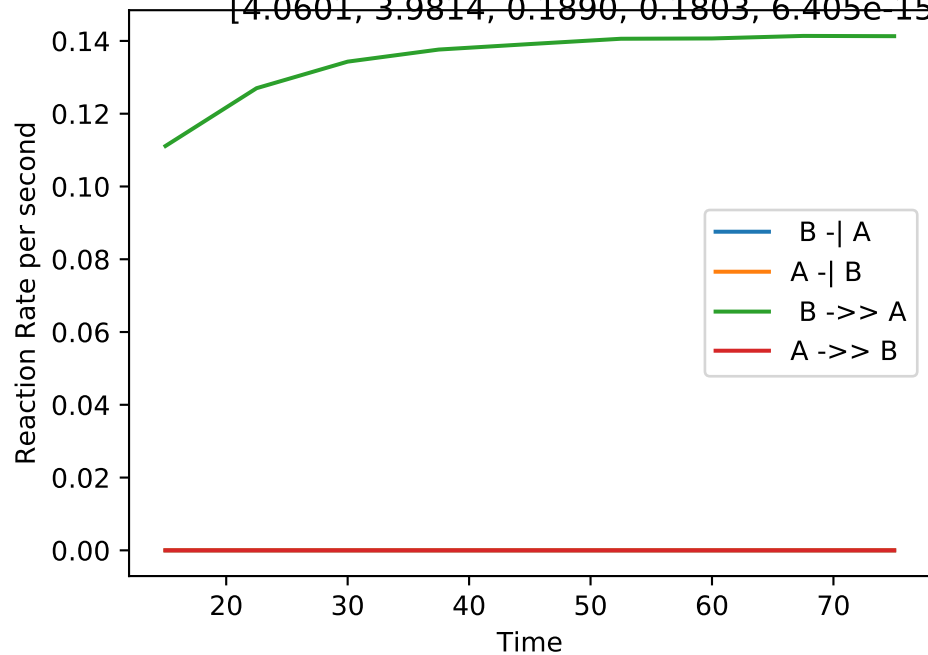


Flux Rate per second



No_up | NLLA No_up(#265):

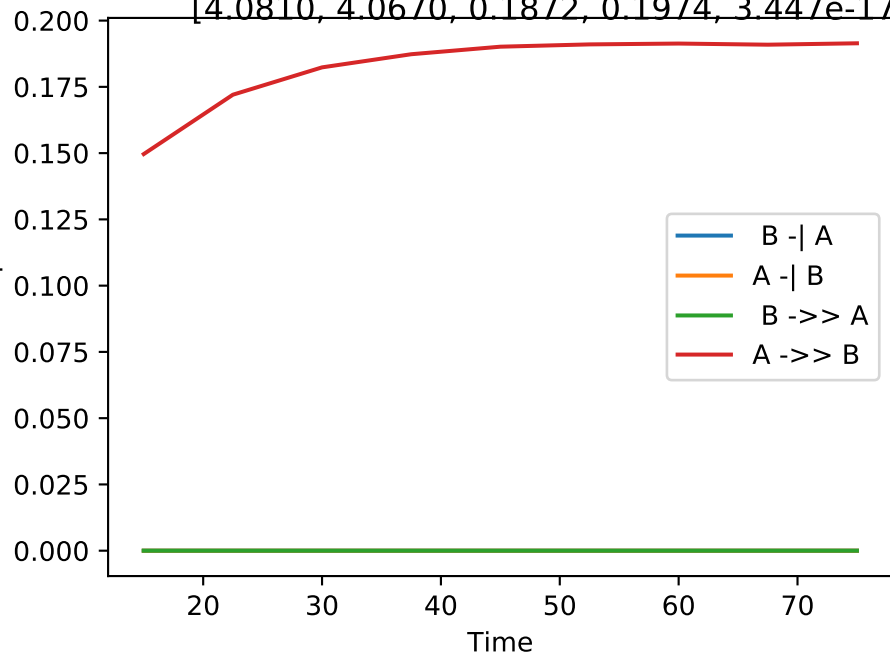
[4.0601, 3.9814, 0.1890, 0.1803, 6.405e-15, 1.068e-19, 0.0035, 0.0840, 0.0806, 0.0000]



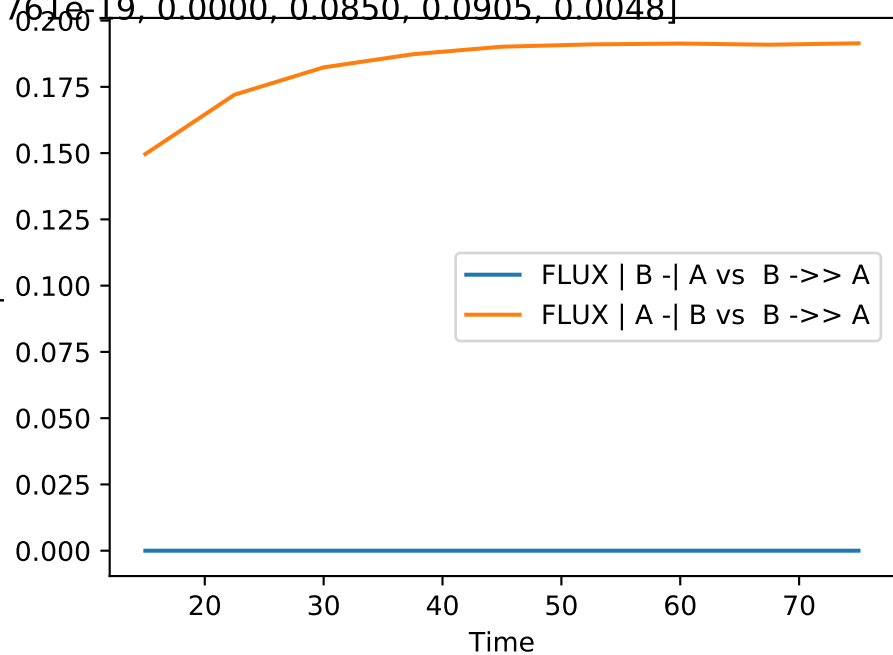
No_up | NLLA No_up(#266):

[4.0810, 4.0670, 0.1872, 0.1974, 3.447e-17, 2.761e-19, 0.0000, 0.0850, 0.0905, 0.0048]

Reaction Rate per second

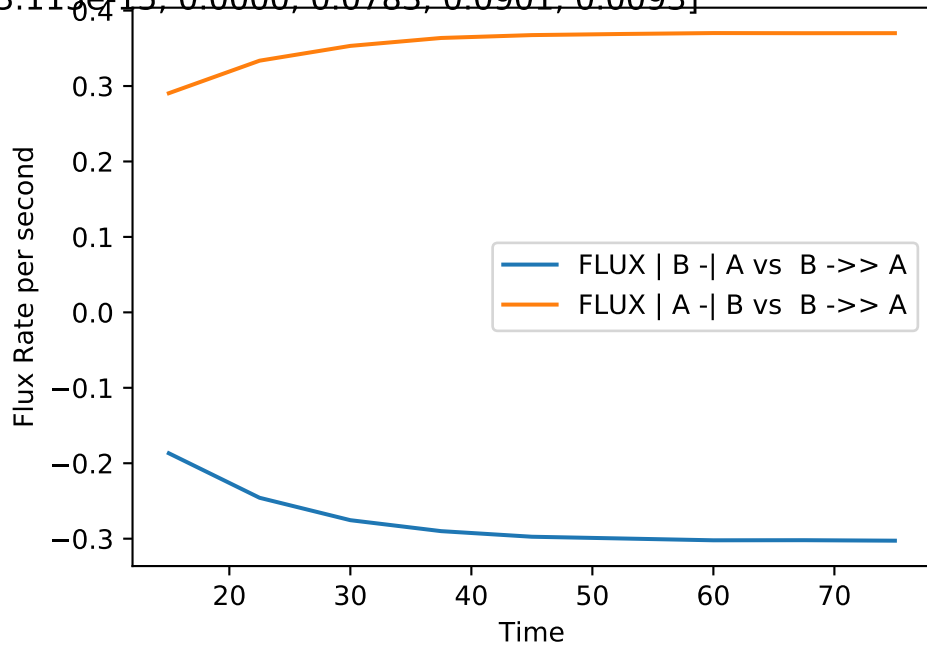
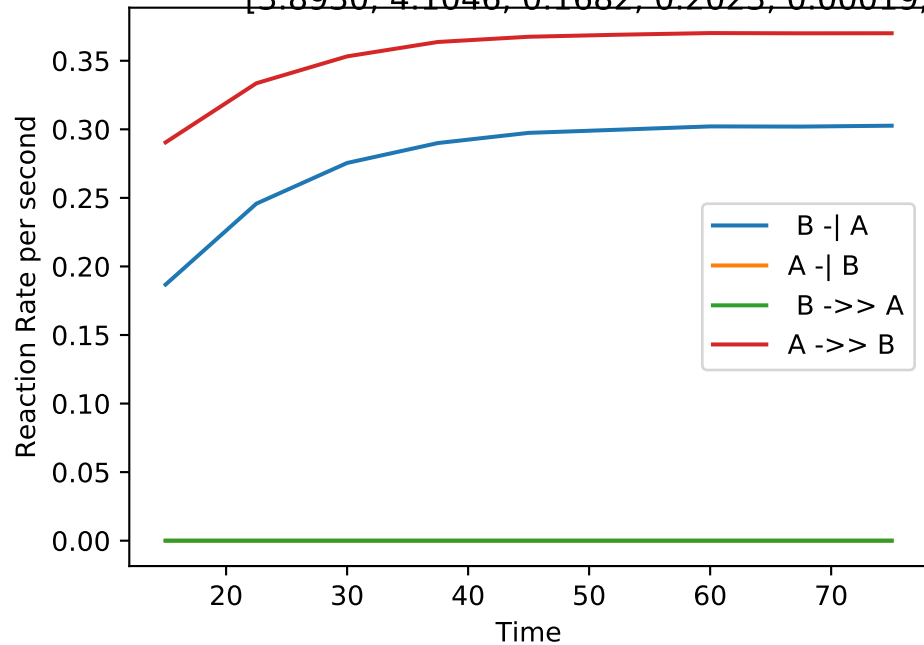


Flux Rate per second



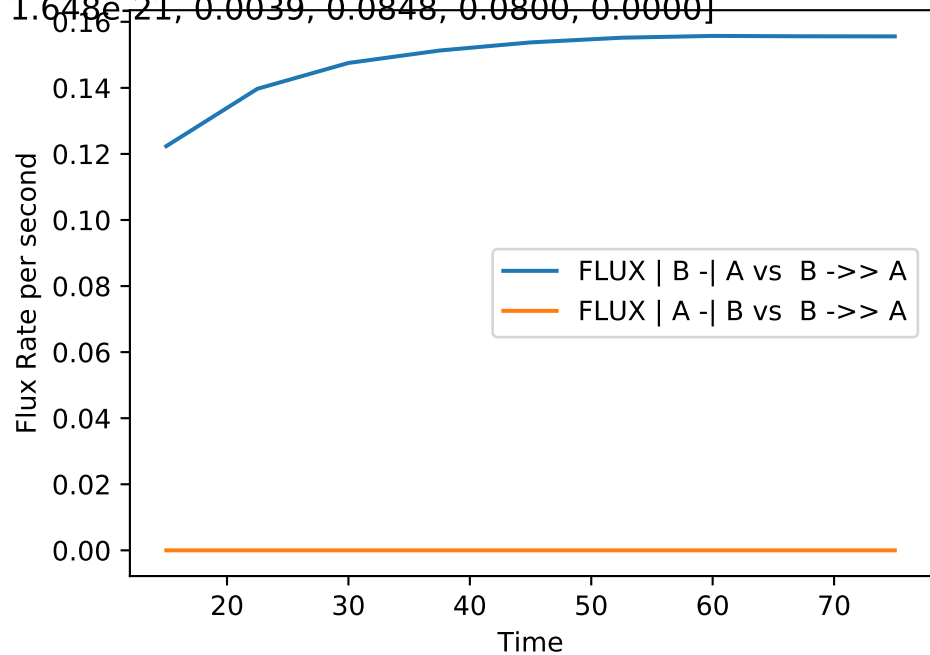
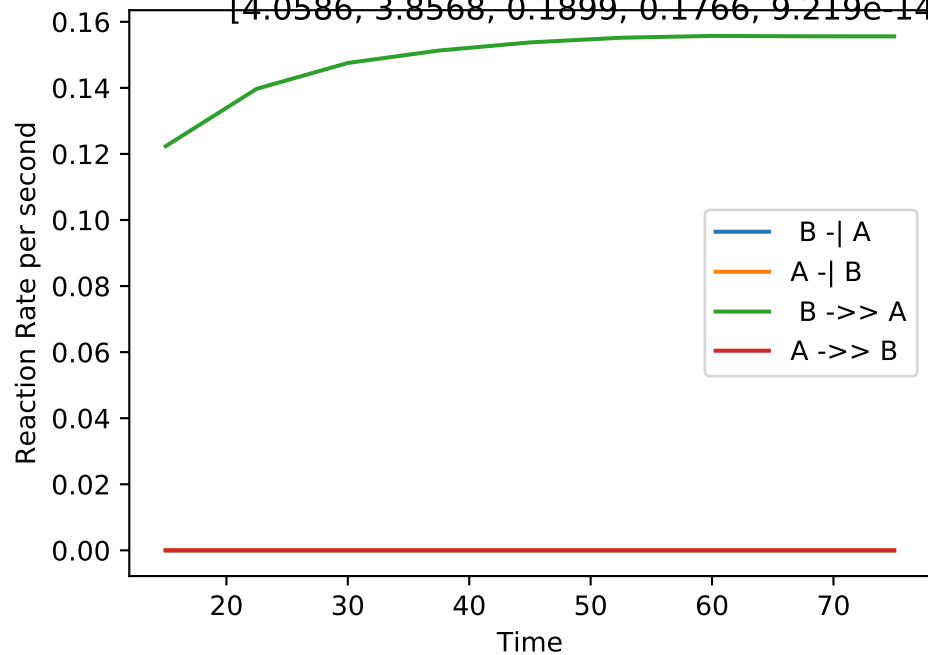
No_up | NLLA No_up(#267):

[3.8930, 4.1046, 0.1682, 0.2023, 0.00019, 3.113e-15, 0.0000, 0.0783, 0.0901, 0.0093]



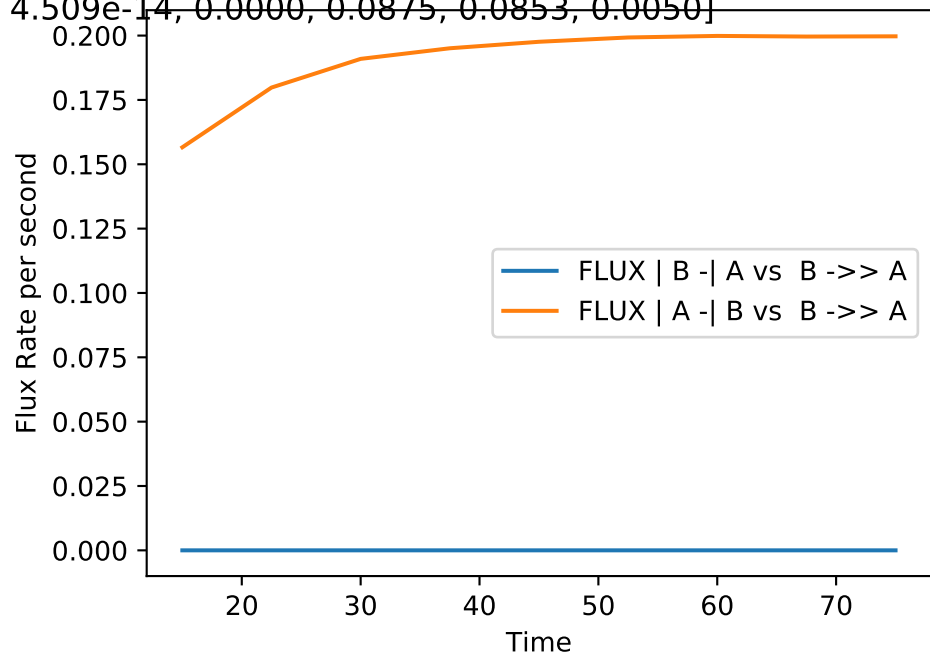
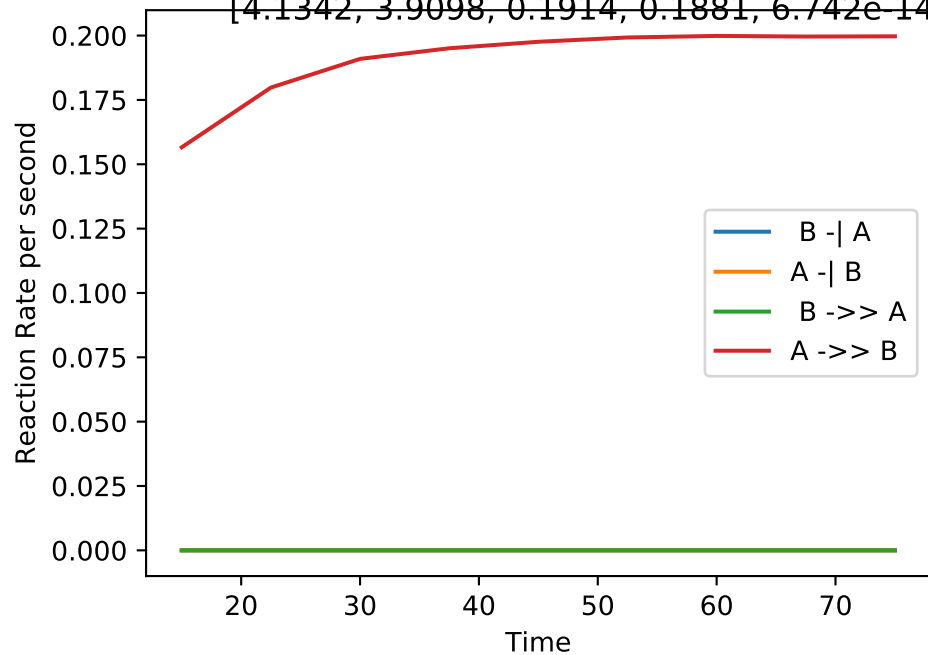
No_up | NLLA No_up(#268):

[4.0586, 3.8568, 0.1899, 0.1766, 9.219e-14, 1.648e-21, 0.0039, 0.0848, 0.0800, 0.0000]



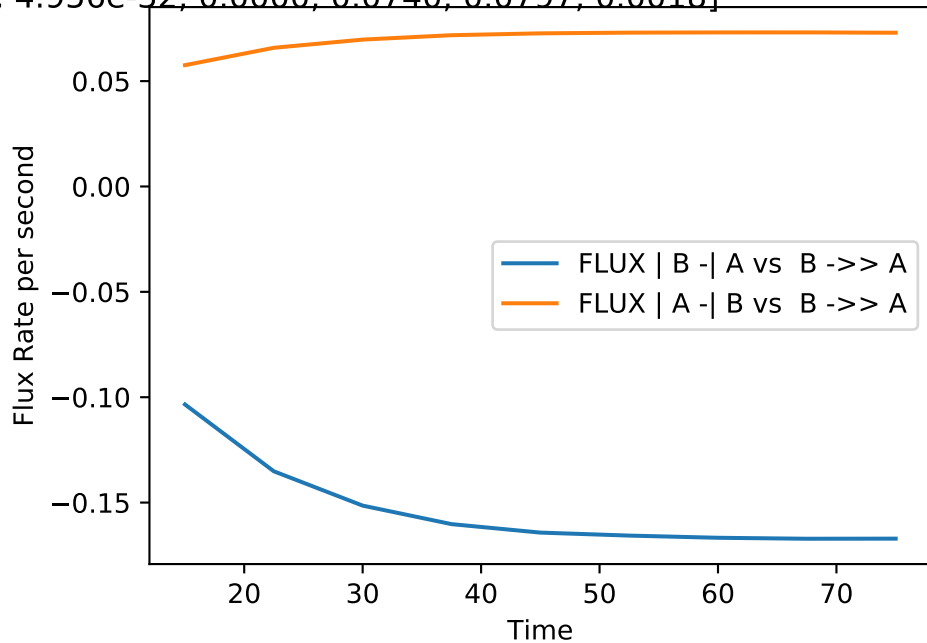
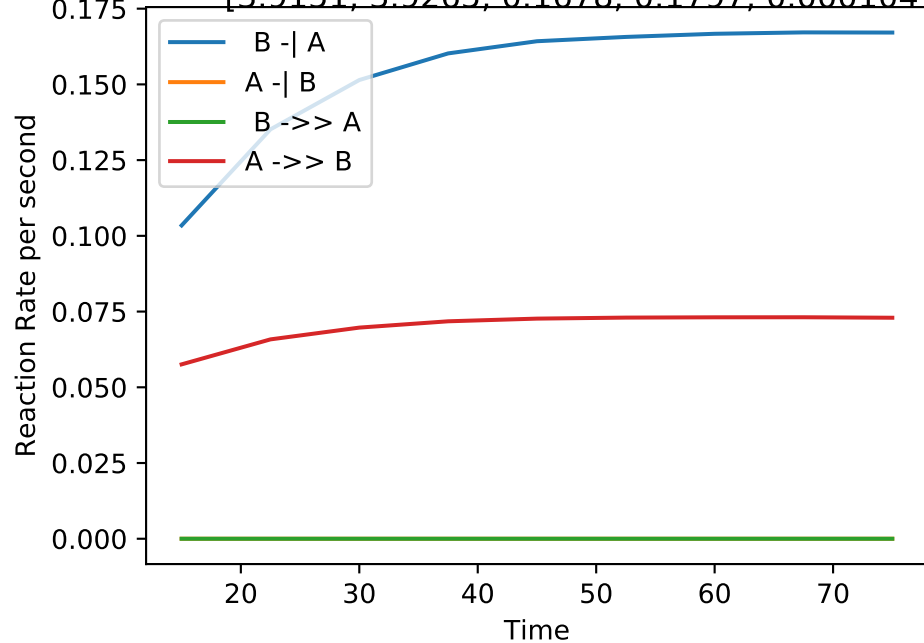
No_up | NLLA No_up(#269):

[4.1342, 3.9098, 0.1914, 0.1881, 6.742e-14, 4.509e-14, 0.0000, 0.0875, 0.0853, 0.0050]



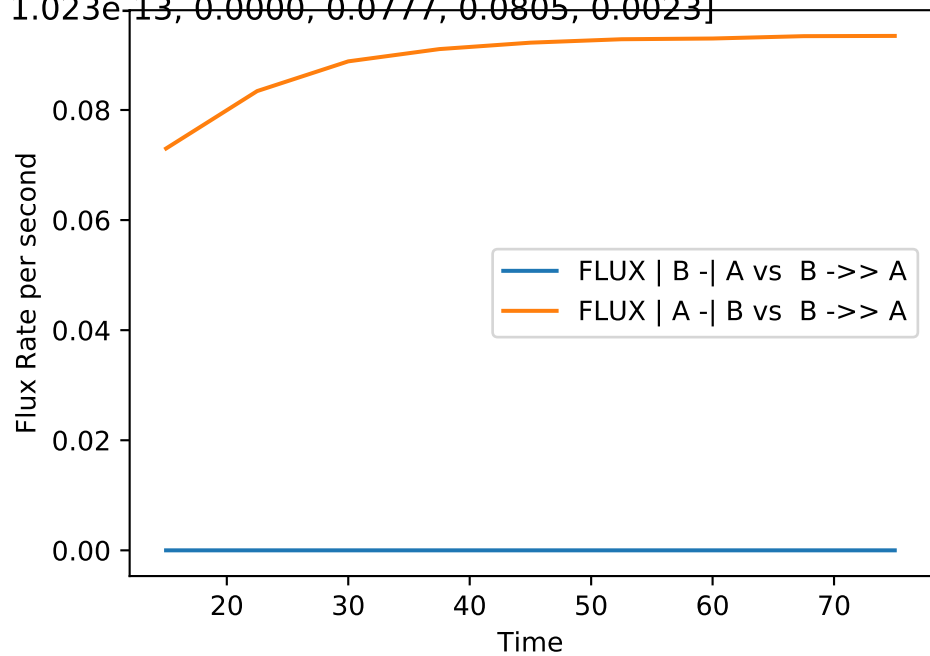
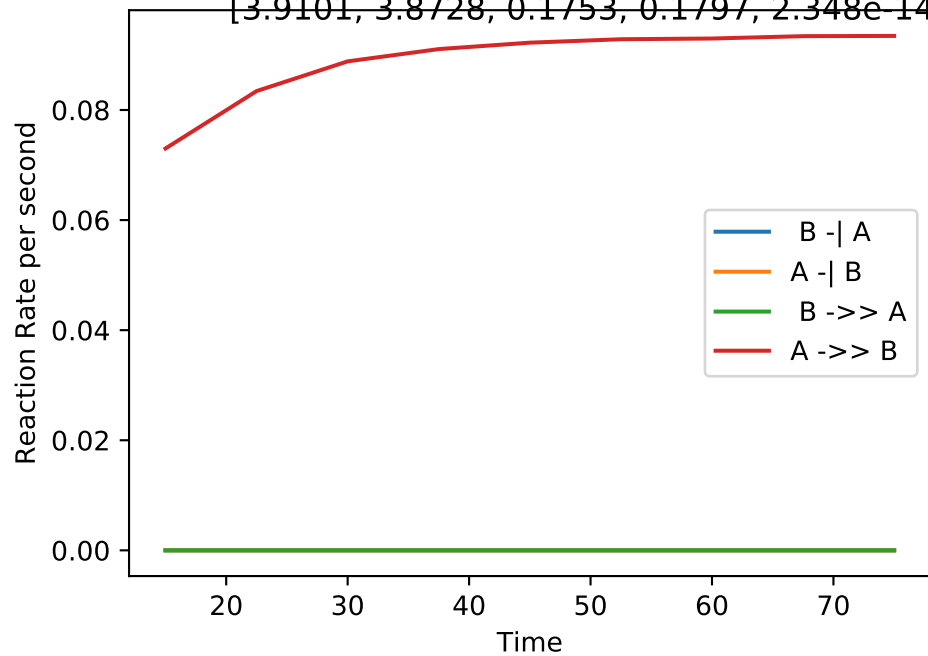
No_up | NLLA No_up(#270):

[3.9151, 3.9265, 0.1678, 0.1797, 0.0001047, 4.956e-32, 0.0000, 0.0740, 0.0797, 0.0018]



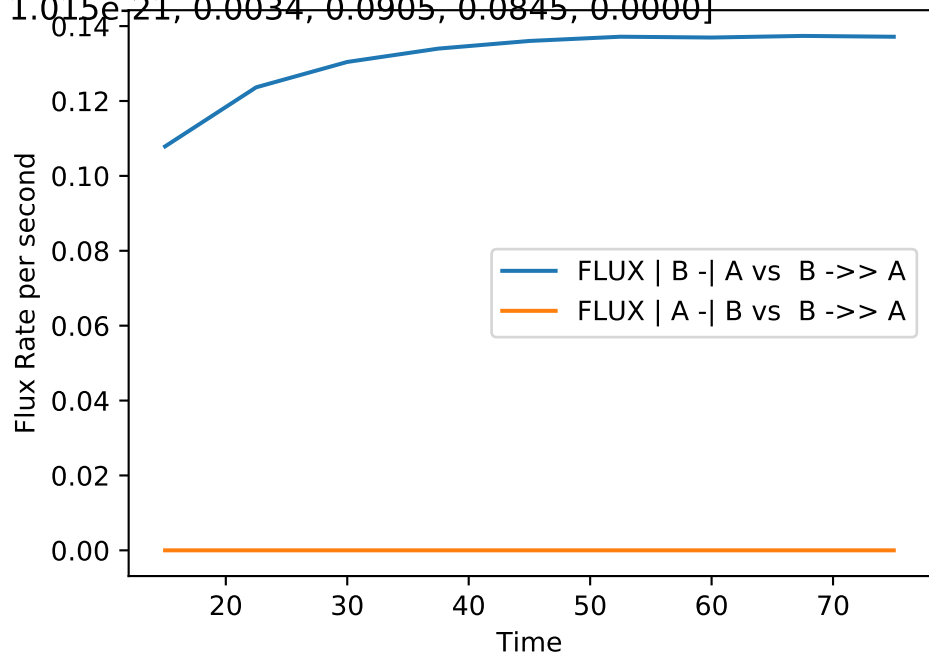
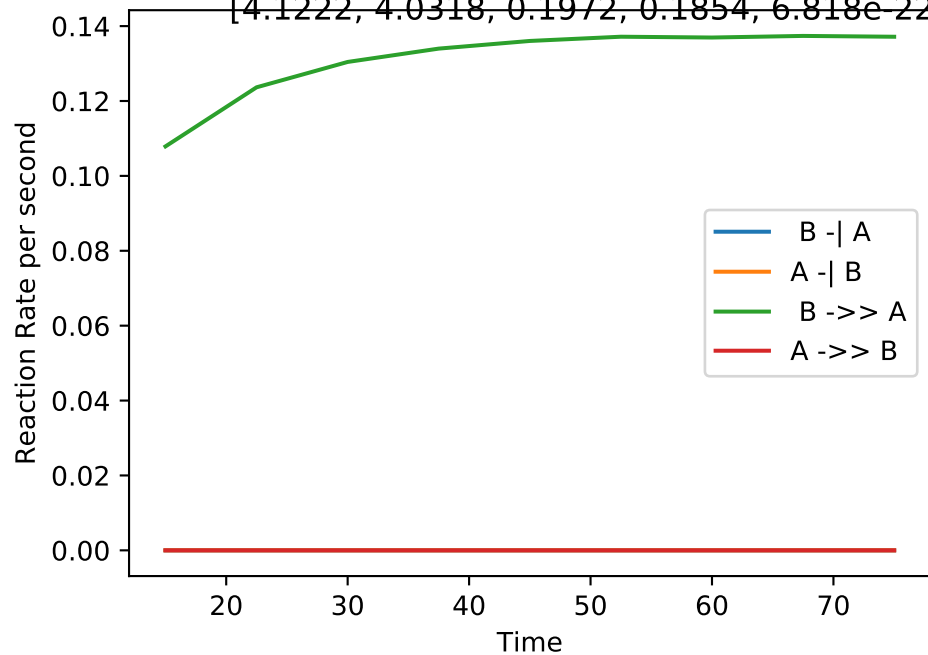
No_up | NLLA No_up(#271):

[3.9101, 3.8728, 0.1753, 0.1797, 2.348e-14, 1.023e-13, 0.0000, 0.0777, 0.0805, 0.0023]



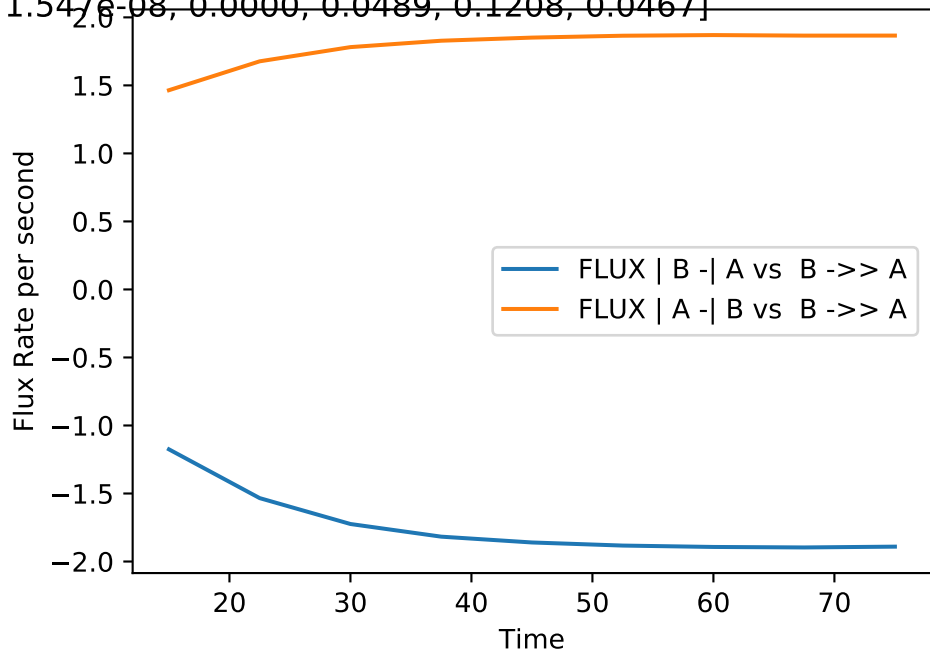
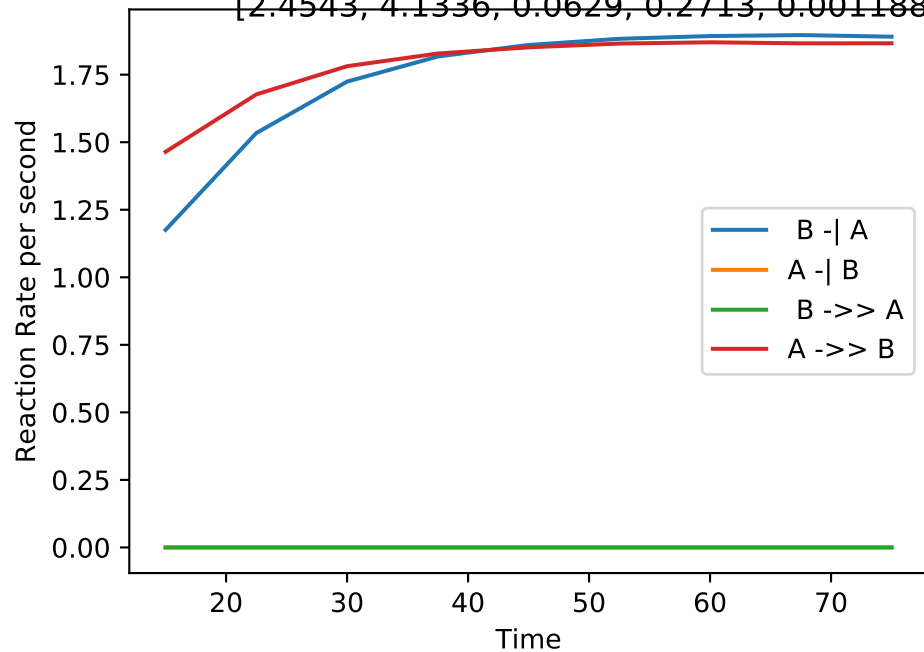
No_up | NLLA No_up(#272):

[4.1222, 4.0318, 0.1972, 0.1854, 6.818e-22, 1.015e-21, 0.0034, 0.0905, 0.0845, 0.0000]



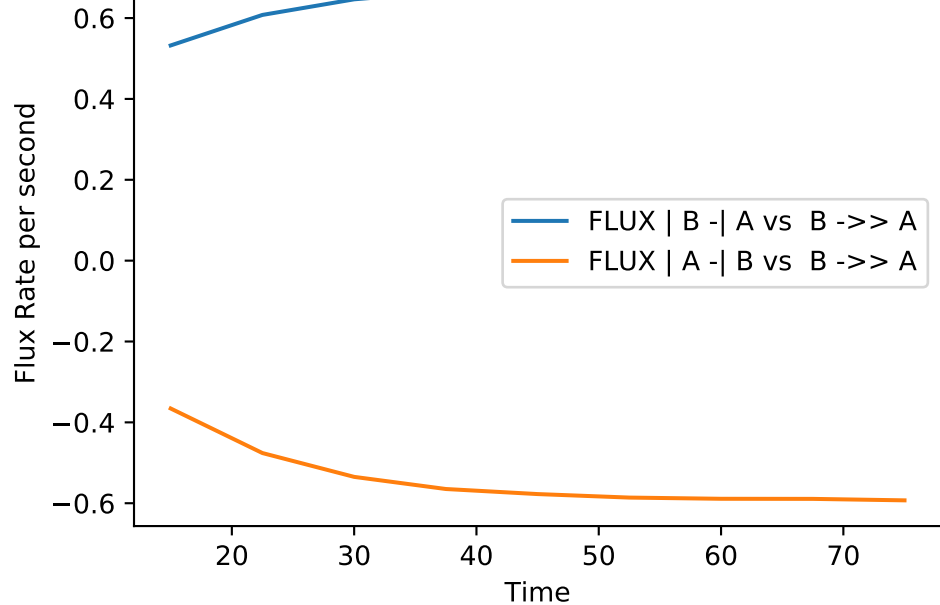
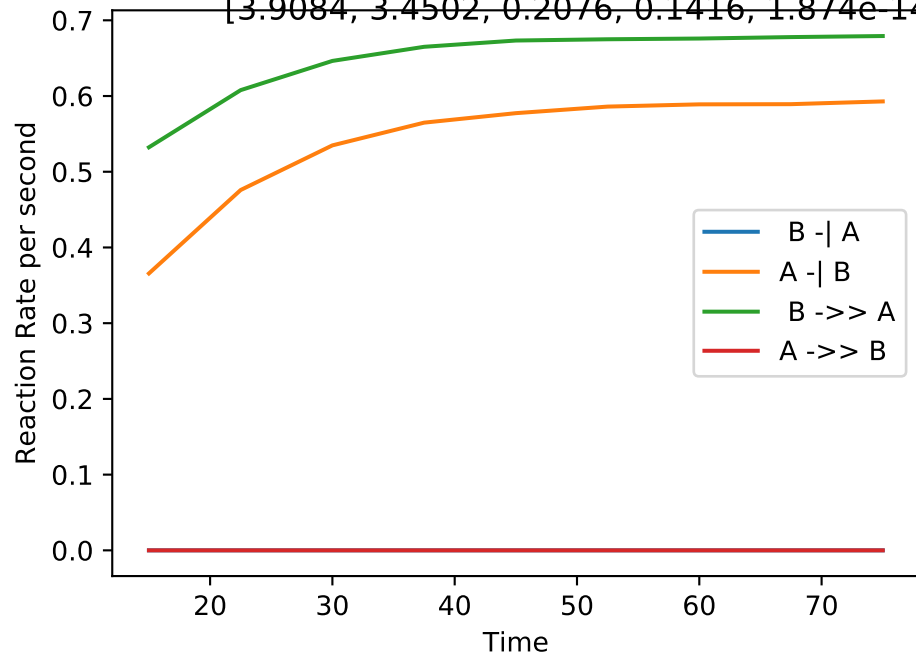
No_up | NLLA No_up(#273):

[2.4543, 4.1336, 0.0629, 0.2713, 0.001188, 1.547e-08, 0.0000, 0.0489, 0.1208, 0.0467]



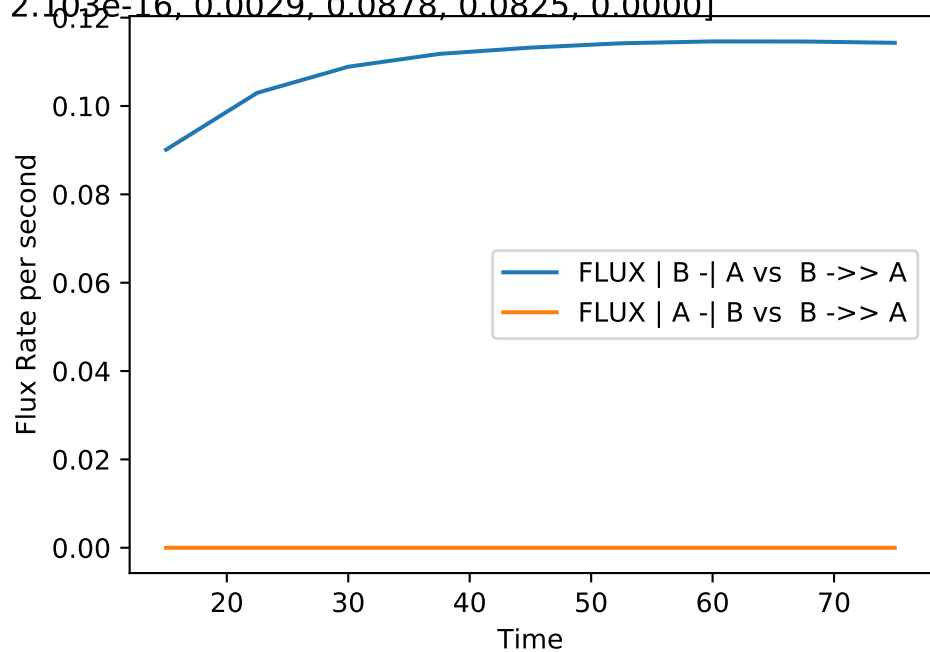
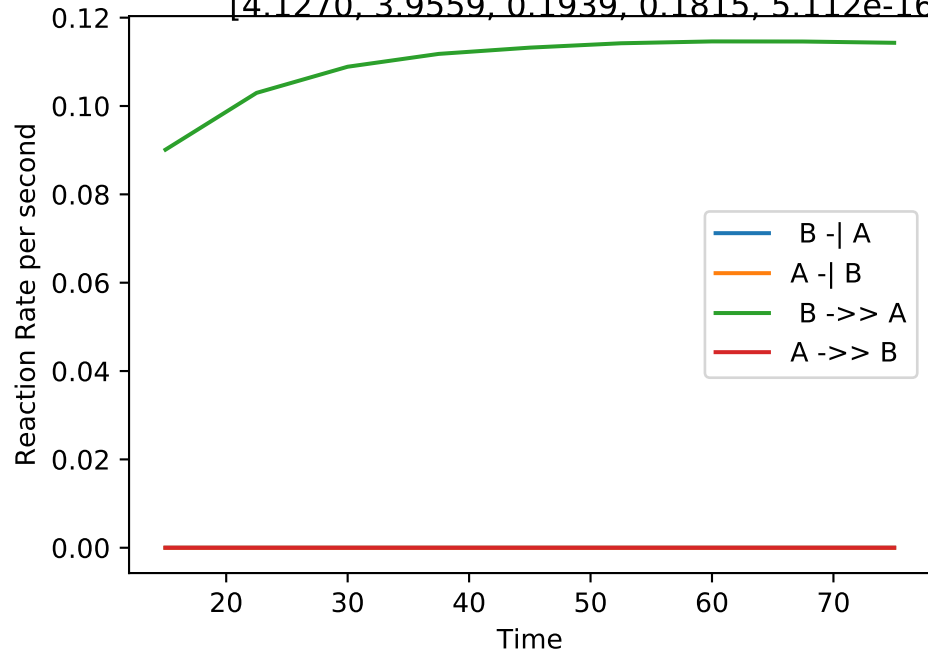
No_up | NLLA No_up(#274):

[3.9084, 3.4502, 0.2076, 0.1416, 1.874e-14, 0.0003699, 0.0170, 0.0928, 0.0702, 0.0000]



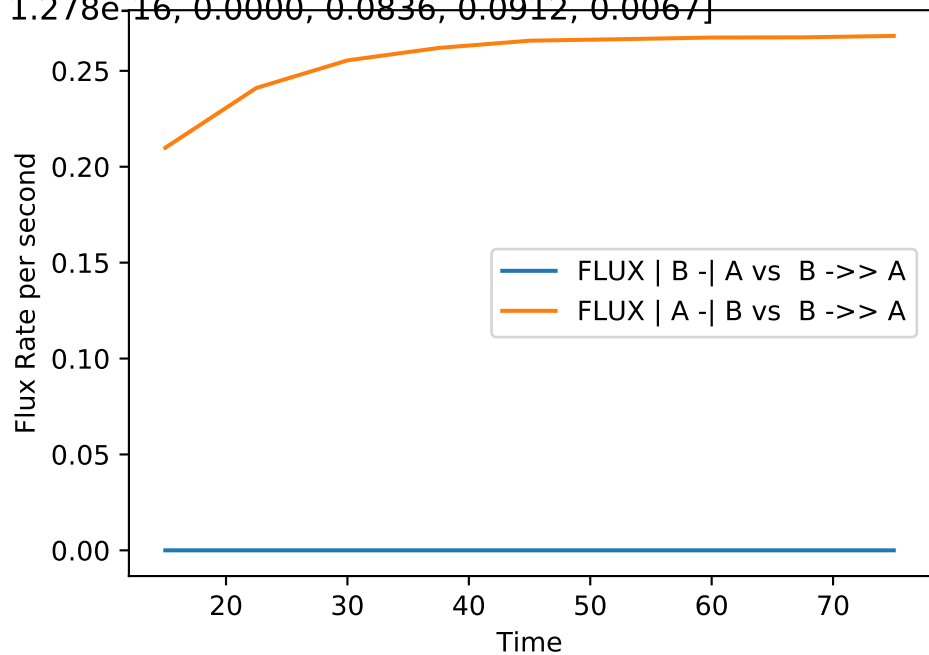
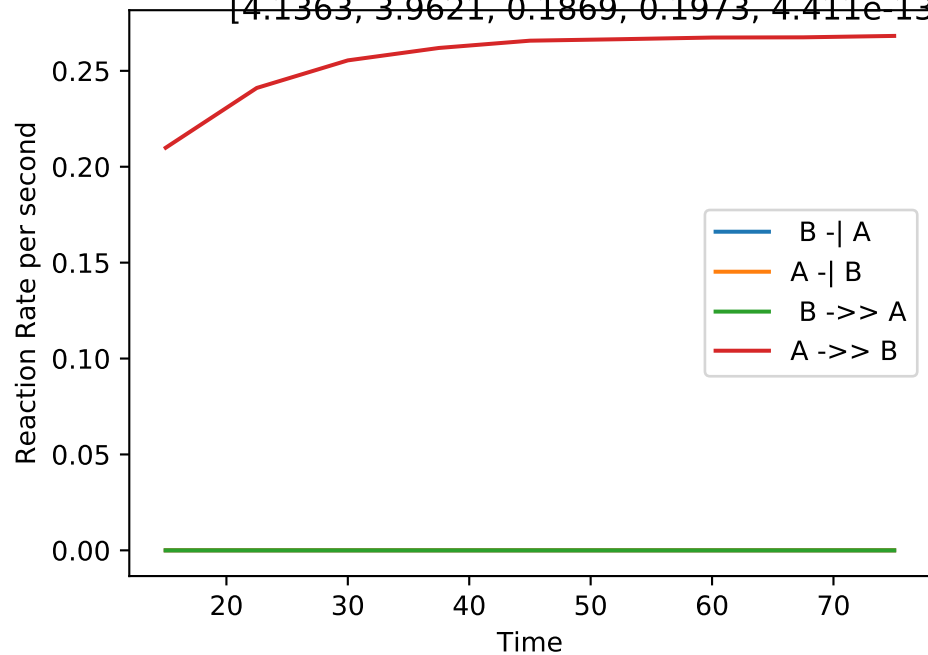
No_up | NLLA No_up(#275):

[4.1270, 3.9559, 0.1939, 0.1815, 5.112e-16, 2.103e-16, 0.0029, 0.0878, 0.0825, 0.0000]



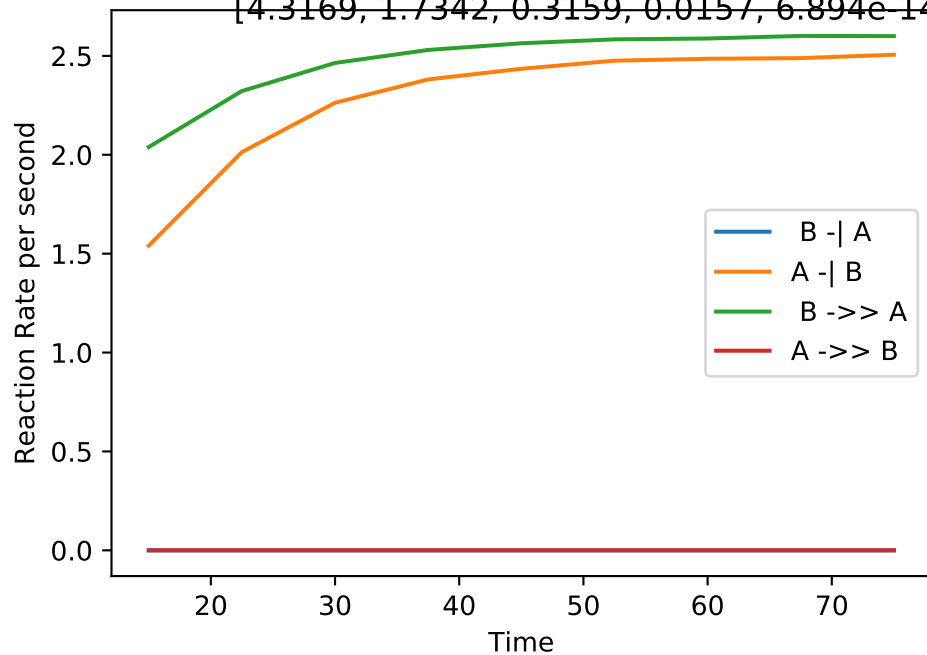
No_up | NLLA No_up(#276):

[4.1363, 3.9621, 0.1869, 0.1973, 4.411e-13, 1.278e-16, 0.0000, 0.0836, 0.0912, 0.0067]

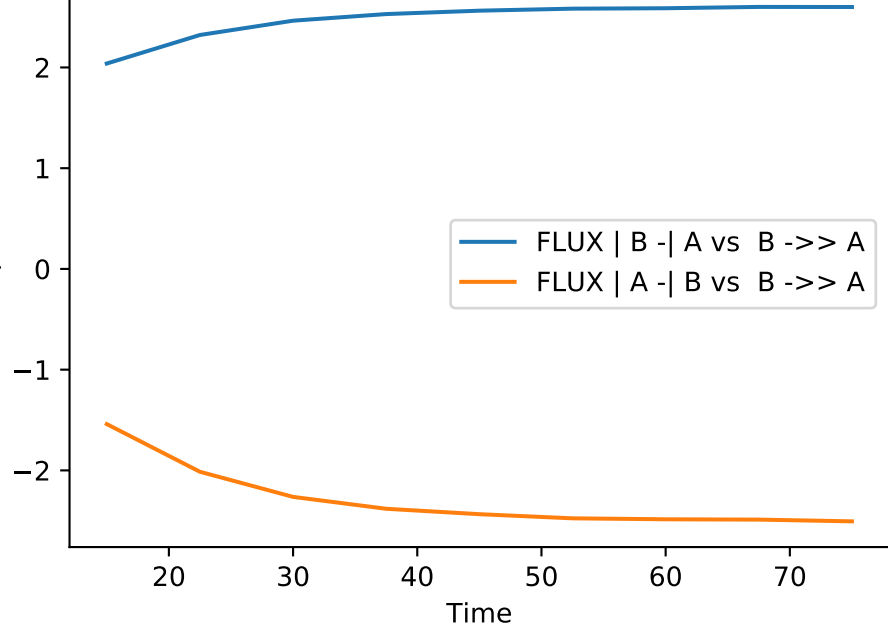


No_up | NLLA No_up(#277):

[4.3169, 1.7342, 0.3159, 0.0157, 6.894e-14, 0.001563, 0.0649, 0.1425, 0.0348, 0.0000]

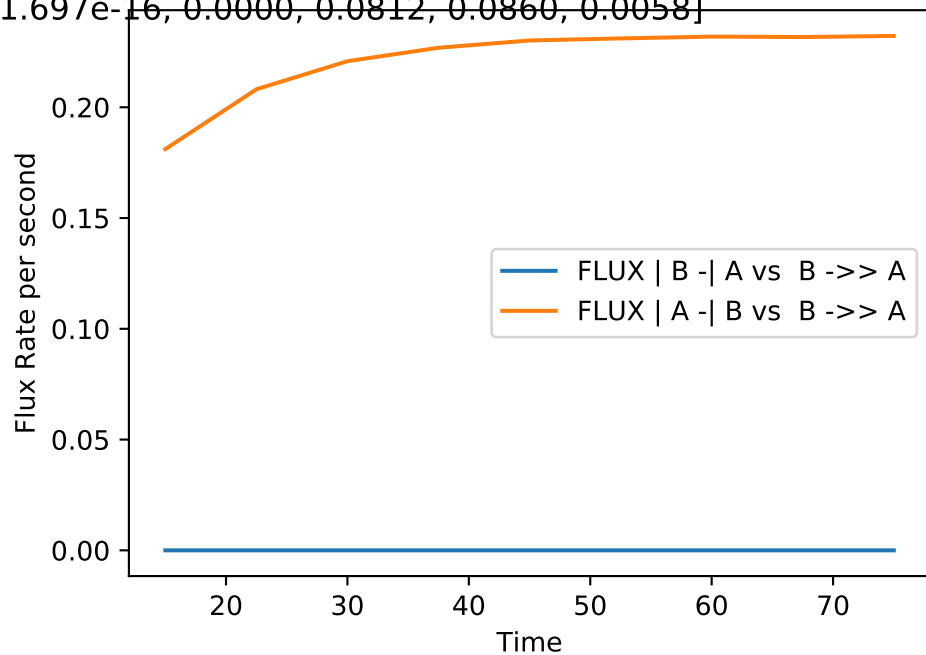
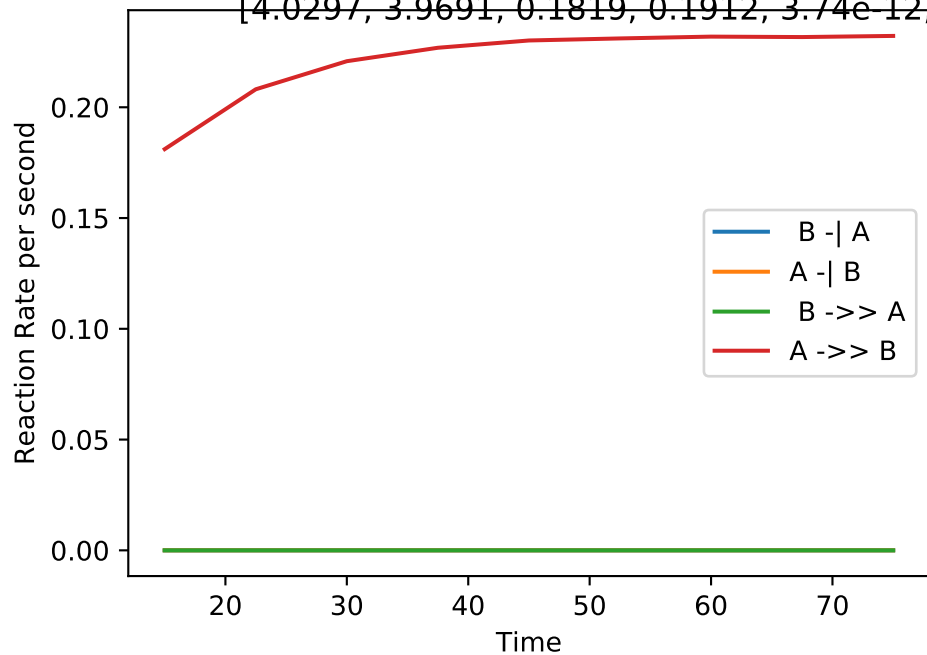


Flux Rate per second



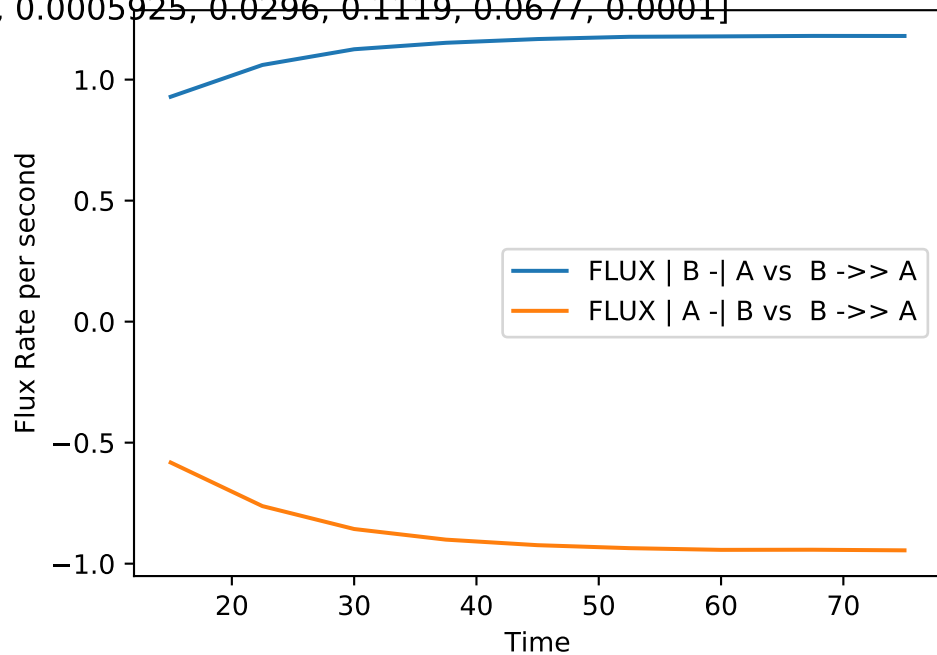
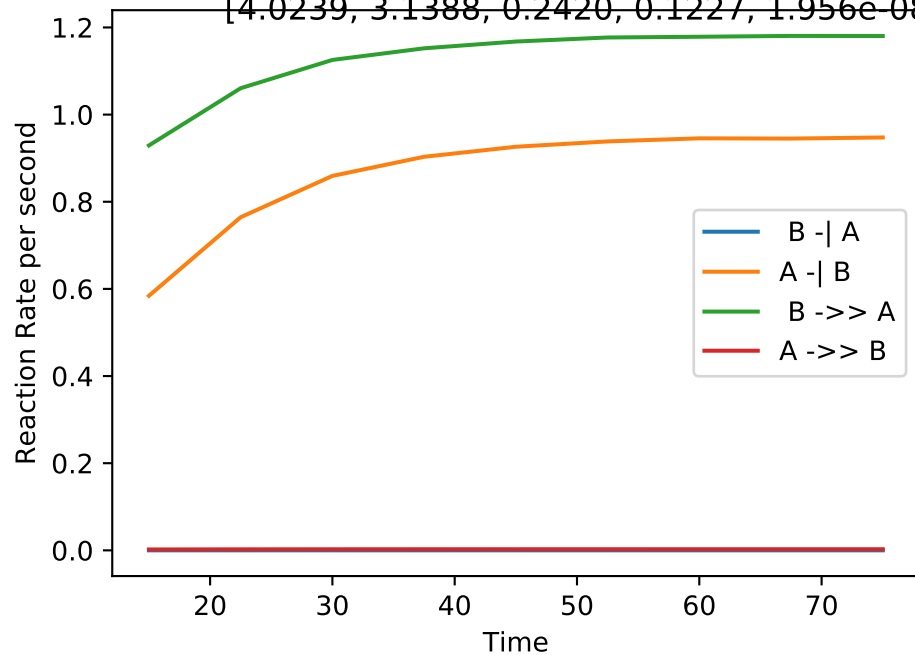
No_up | NLLA No_up(#278):

[4.0297, 3.9691, 0.1819, 0.1912, 3.74e-12, 1.697e-16, 0.0000, 0.0812, 0.0860, 0.0058]



No_up | NLLA No_up(#279):

[4.0239, 3.1388, 0.2420, 0.1227, 1.956e-08, 0.0005925, 0.0296, 0.1119, 0.0677, 0.0001]



No_up | NLLA No_up(#280):

[4.0498, 3.8695, 0.1944, 0.1770, 1.66e-26, 1.156e-15, 0.0051, 0.0880, 0.0805, 0.0000]

Reaction Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

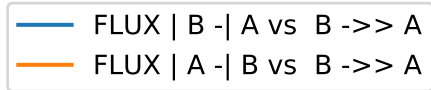
40

50

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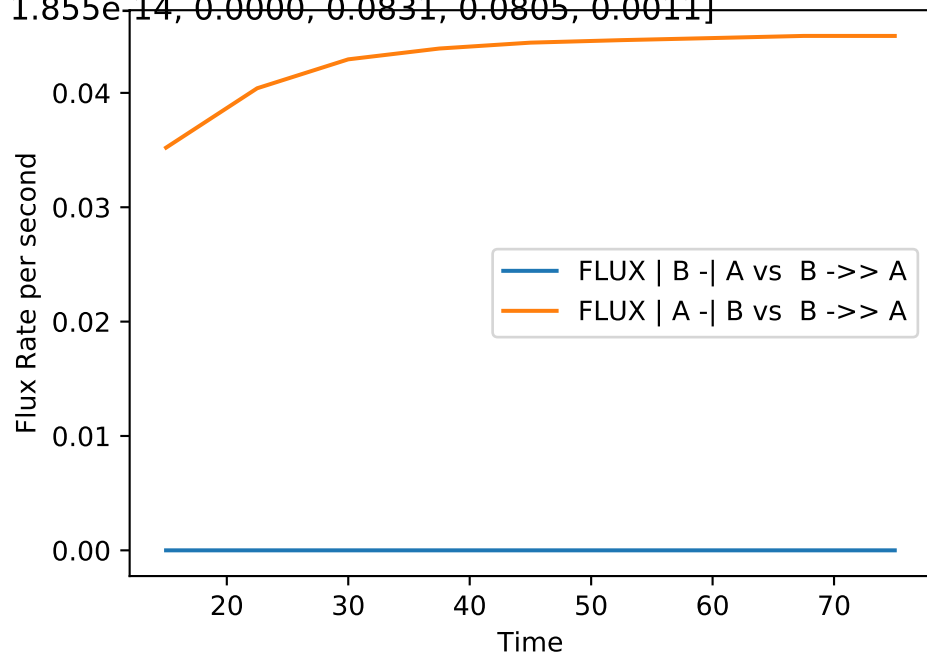
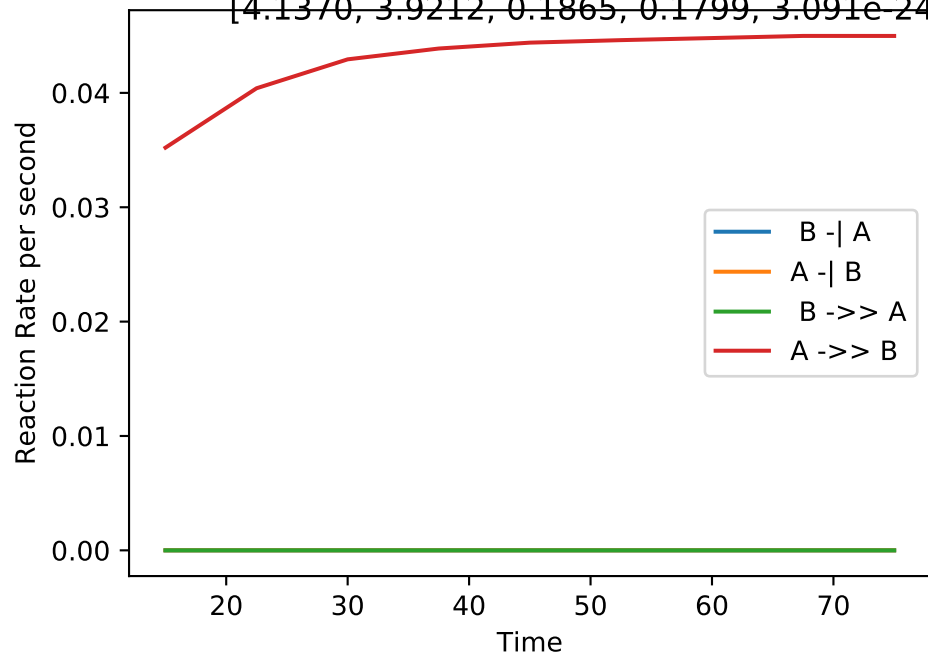
70

Time



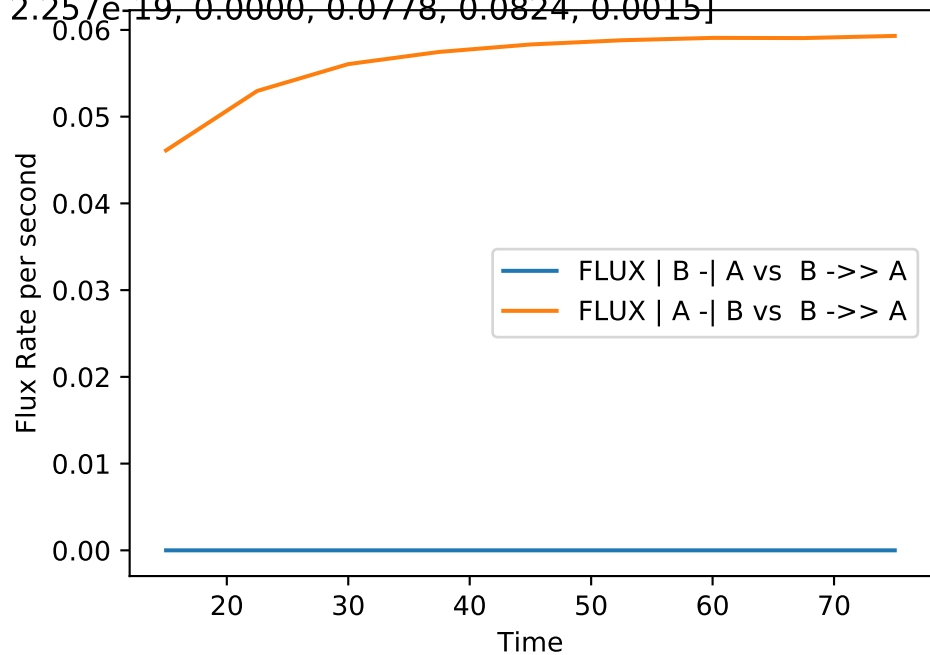
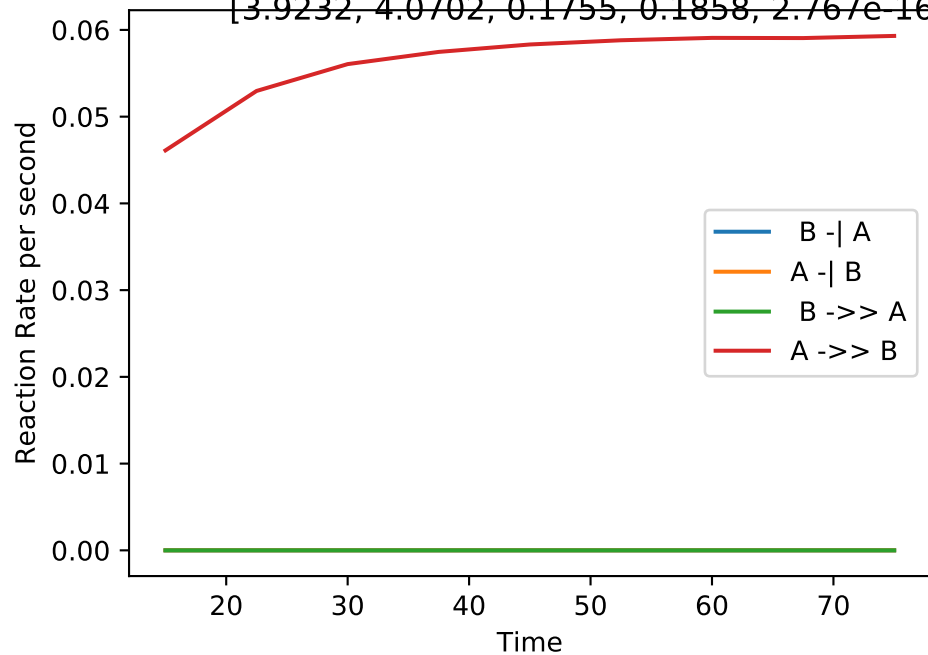
No_up | NLLA No_up(#281):

[4.1370, 3.9212, 0.1865, 0.1799, 3.091e-24, 1.855e-14, 0.0000, 0.0831, 0.0805, 0.0011]



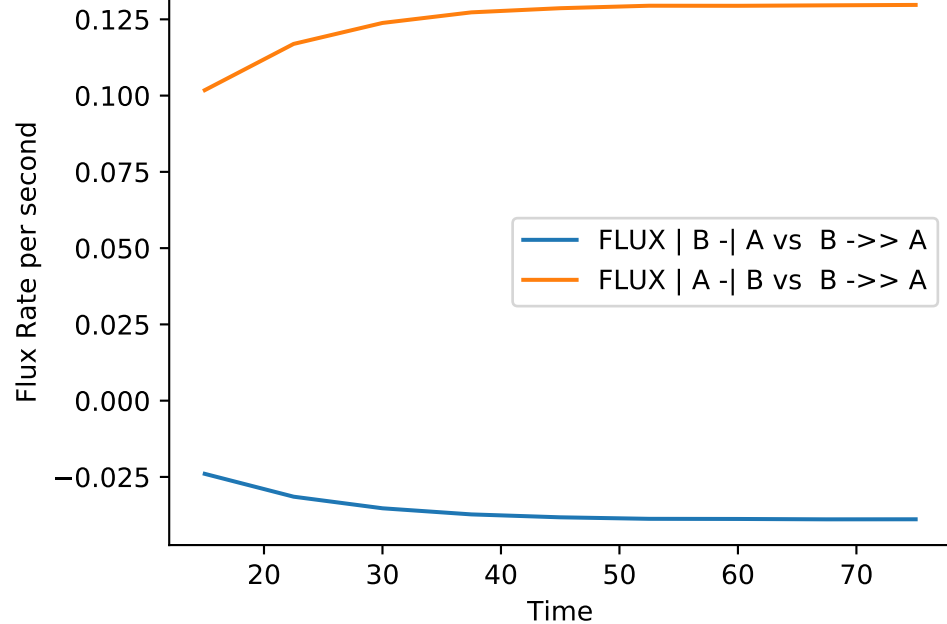
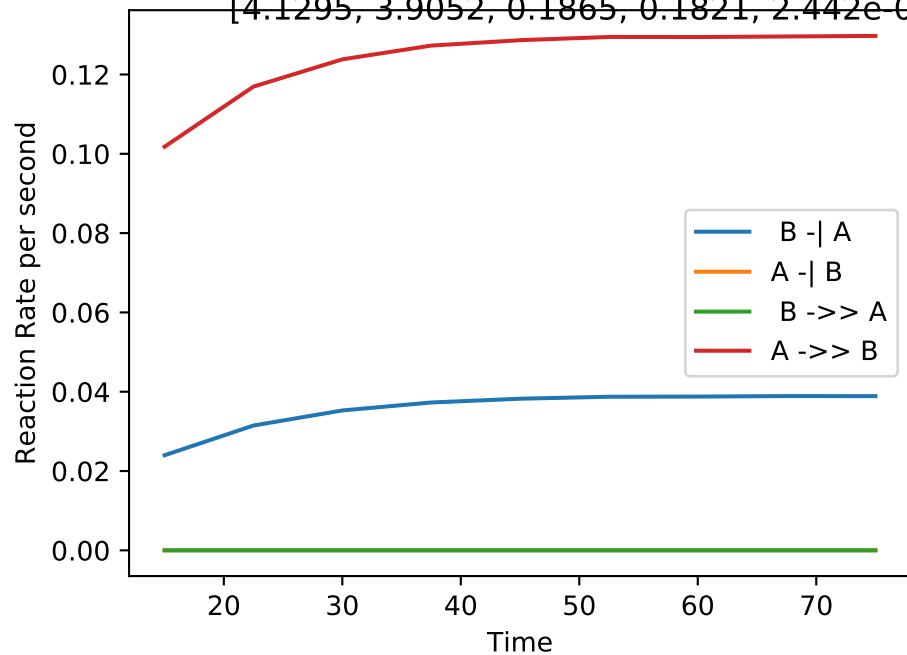
No_up | NLLA No_up(#282):

[3.9232, 4.0702, 0.1755, 0.1858, 2.767e-16, 2.257e-19, 0.0000, 0.0778, 0.0824, 0.0015]



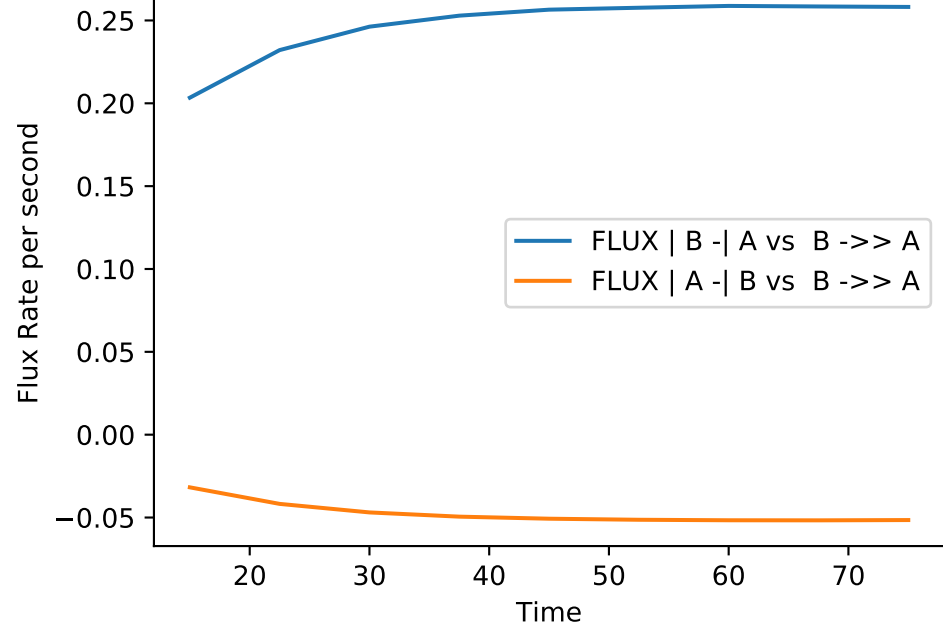
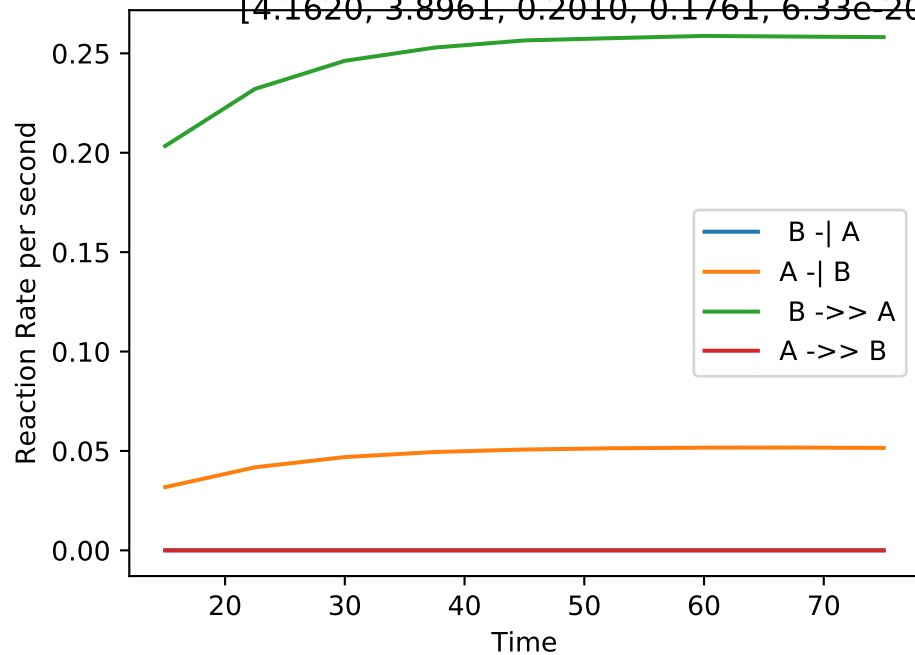
No_up | NLLA No_up(#283):

[4.1295, 3.9052, 0.1865, 0.1821, 2.442e-05, 5.208e-17, 0.0000, 0.0841, 0.0812, 0.0033]



No_up | NLLA No_up(#284):

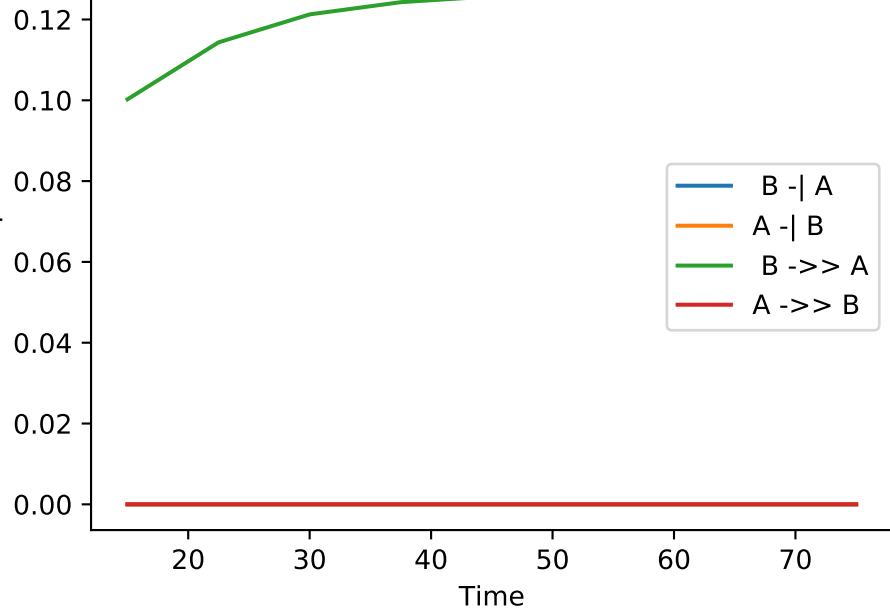
[4.1620, 3.8961, 0.2010, 0.1761, 6.33e-20, 3.238e-05, 0.0065, 0.0903, 0.0799, 0.0000]



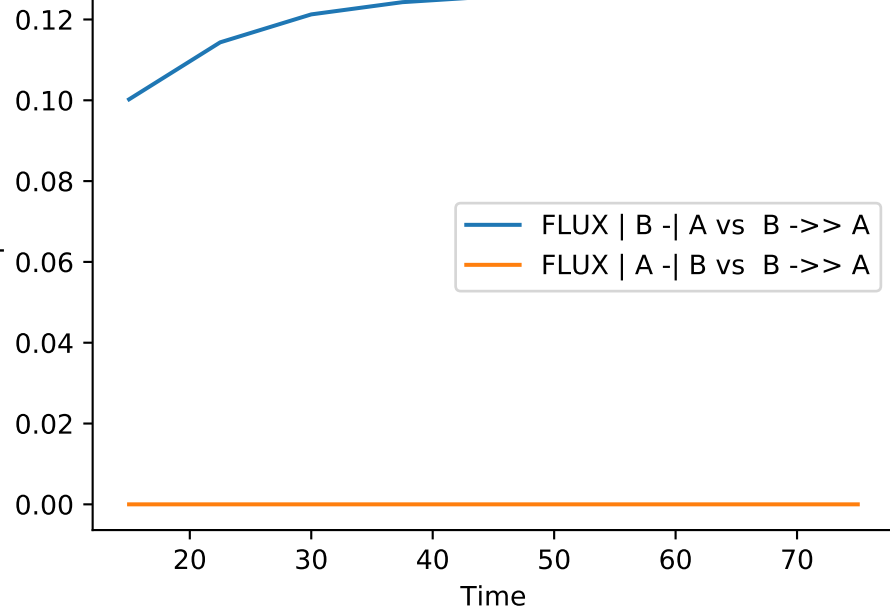
No_up | NLLA No_up(#285):

[4.0271, 3.9652, 0.1883, 0.1819, 1.312e-17, 8.627e-12, 0.0032, 0.0846, 0.0828, 0.0000]

Reaction Rate per second

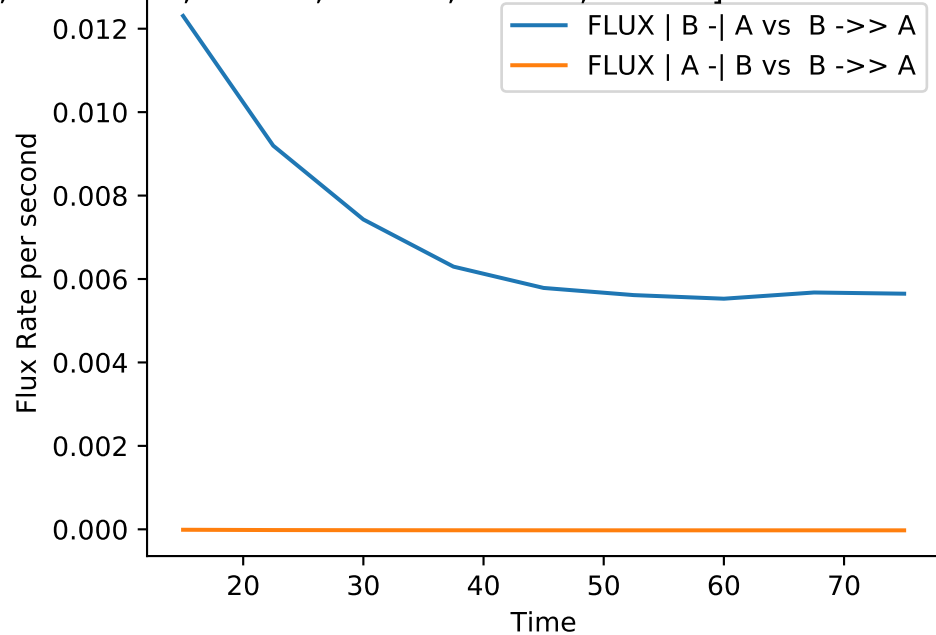
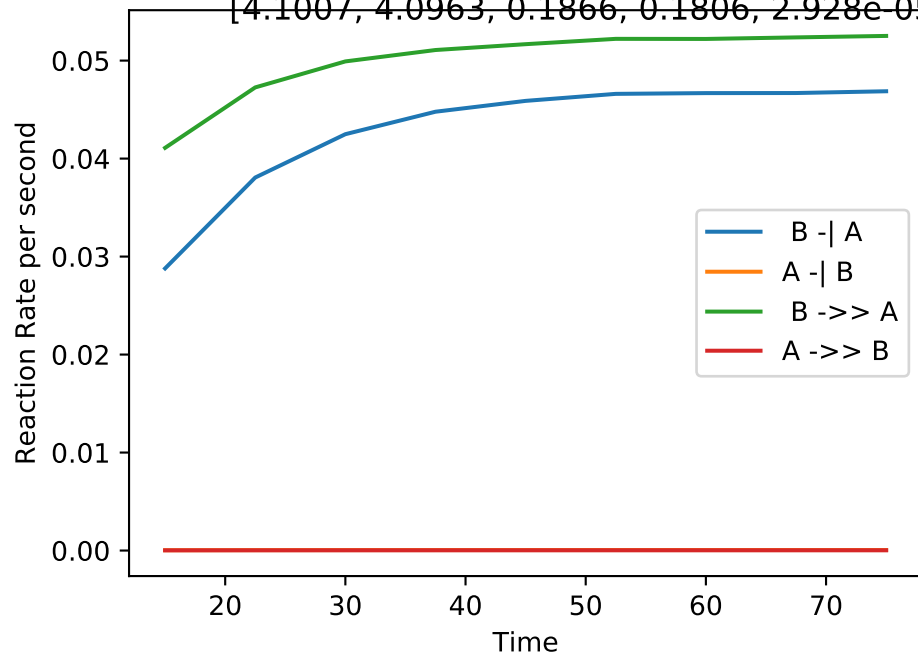


Flux Rate per second



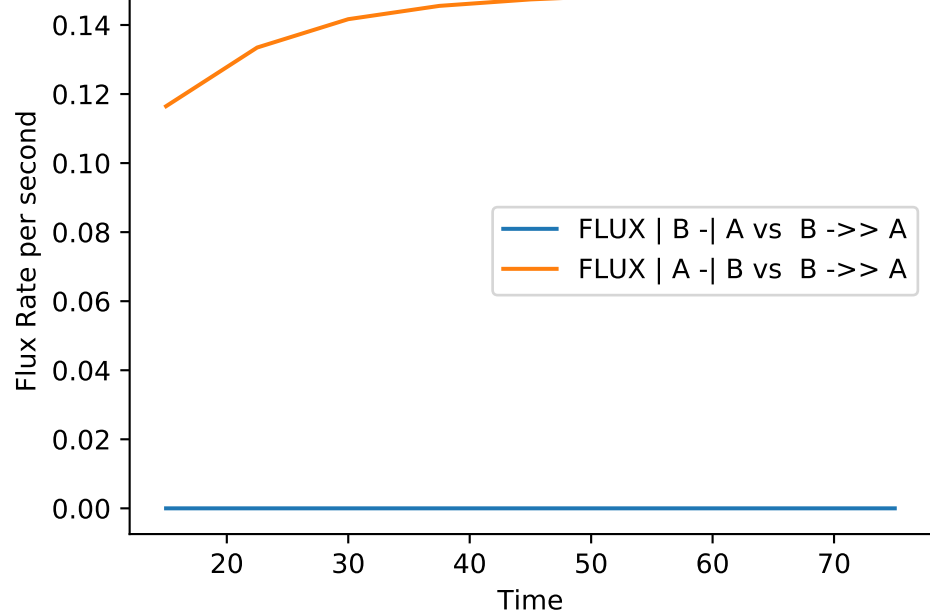
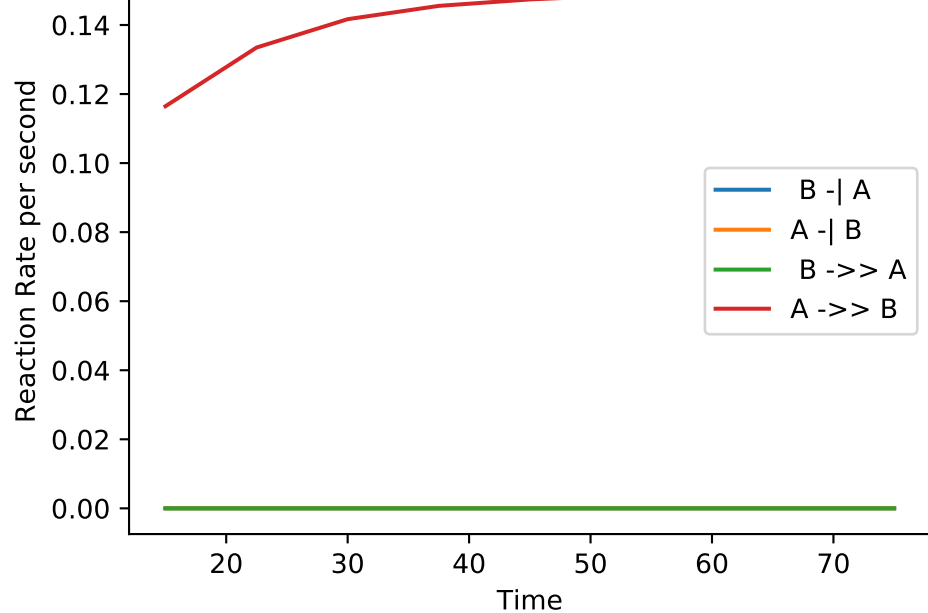
No_up | NLLA No_up(#286):

[4.1007, 4.0963, 0.1866, 0.1806, 2.928e-05, 3.167e-08, 0.0013, 0.0840, 0.0782, 0.0000]



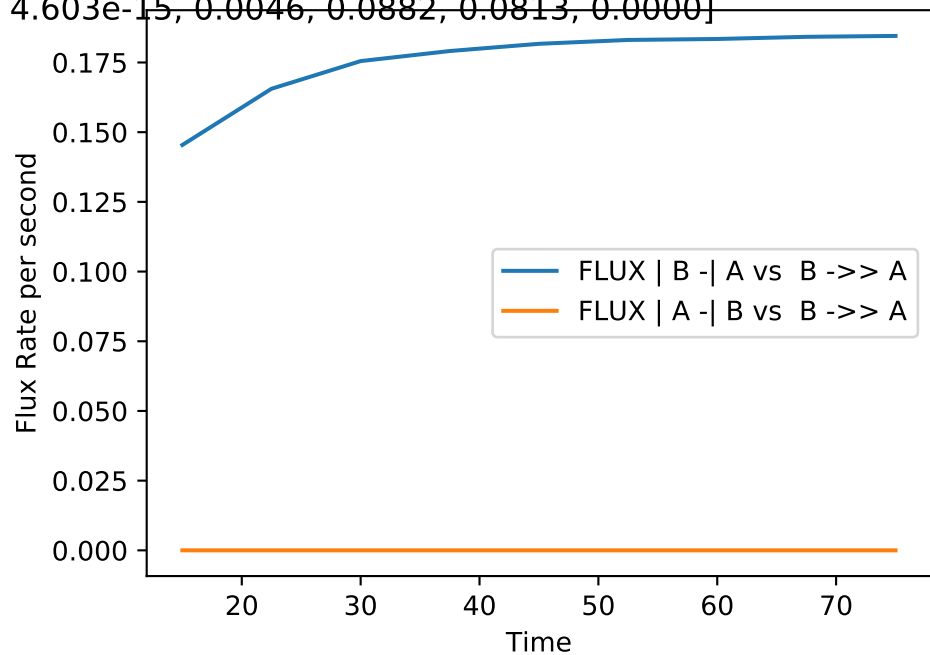
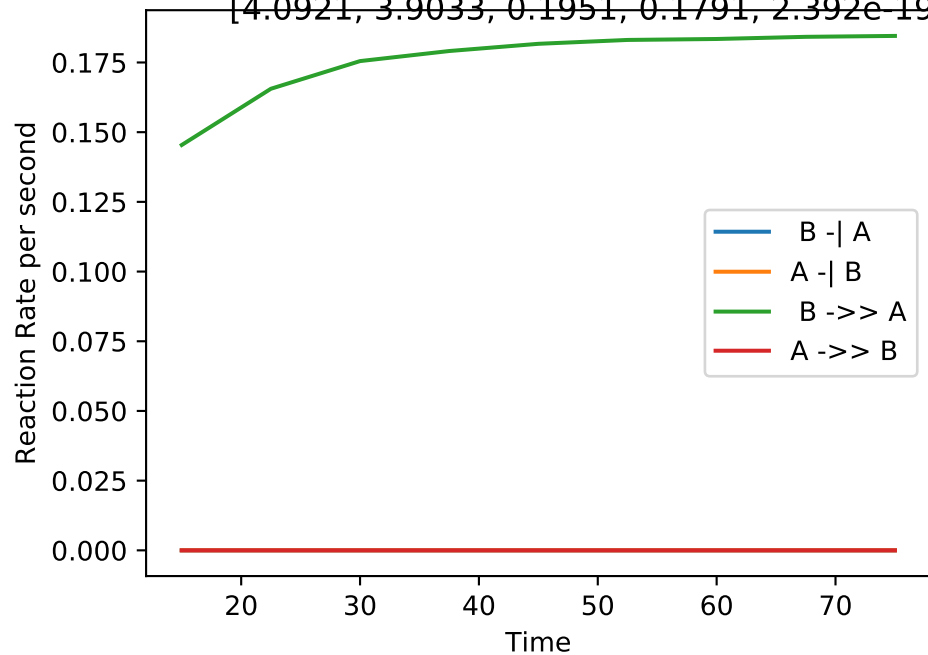
No_up | NLLA No_up(#287):

[3.9592, 3.9576, 0.1792, 0.1862, 7.698e-14, 3.907e-15, 0.0000, 0.0803, 0.0836, 0.0037]



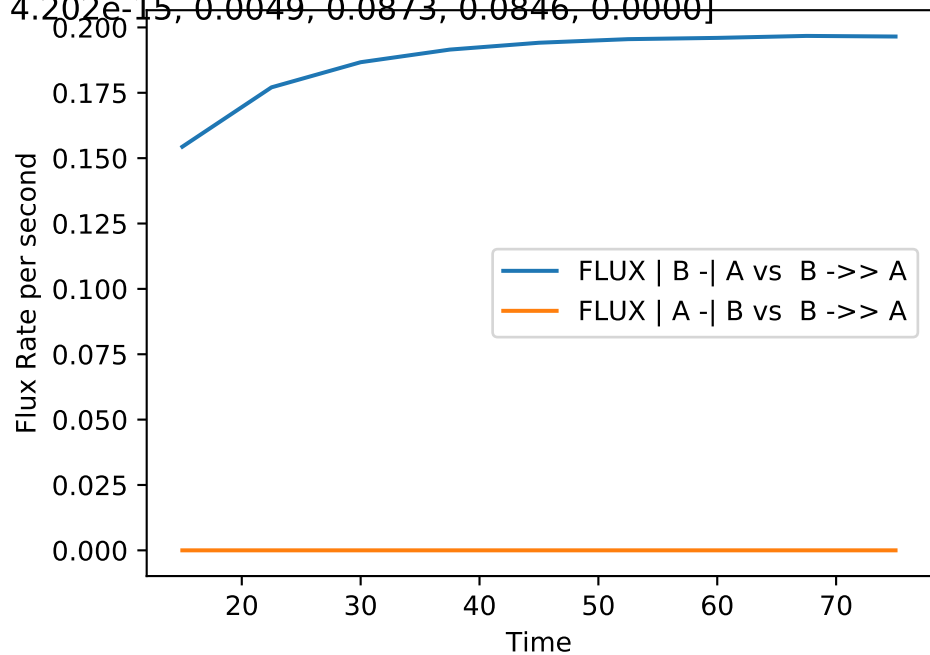
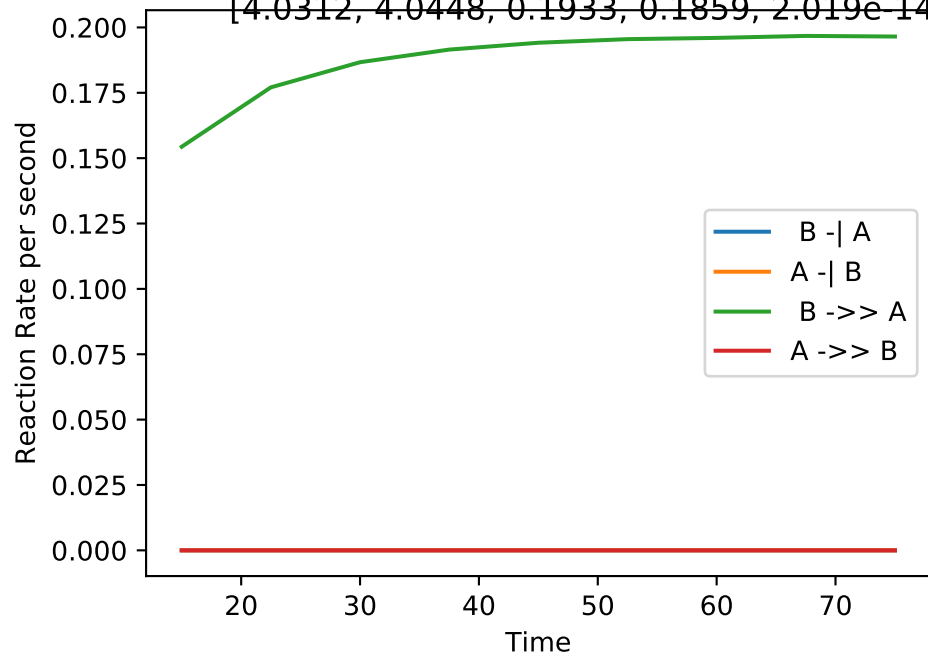
No_up | NLLA No_up(#288):

[4.0921, 3.9033, 0.1951, 0.1791, 2.392e-19, 4.603e-15, 0.0046, 0.0882, 0.0813, 0.0000]



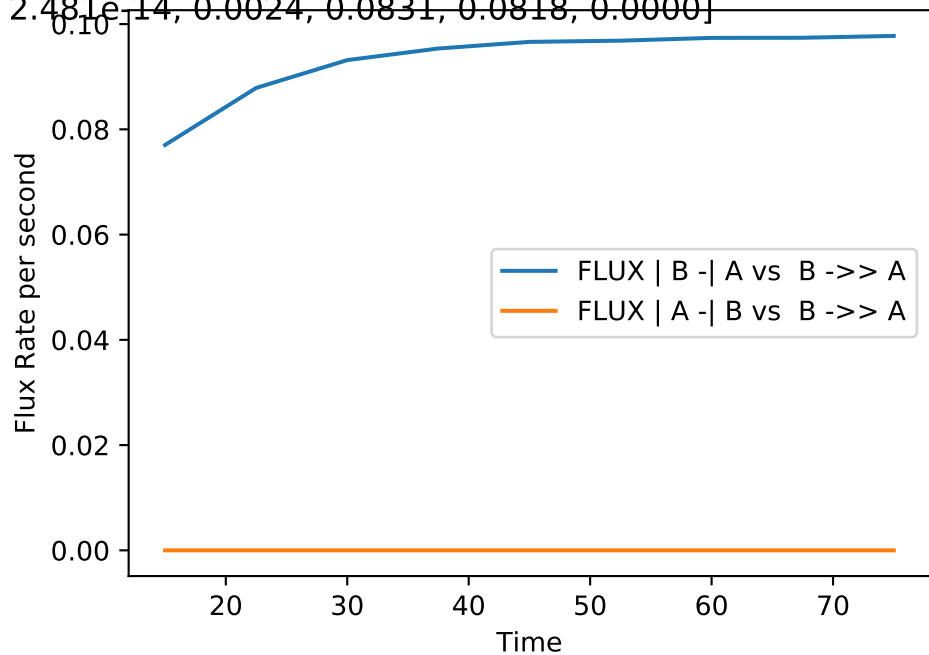
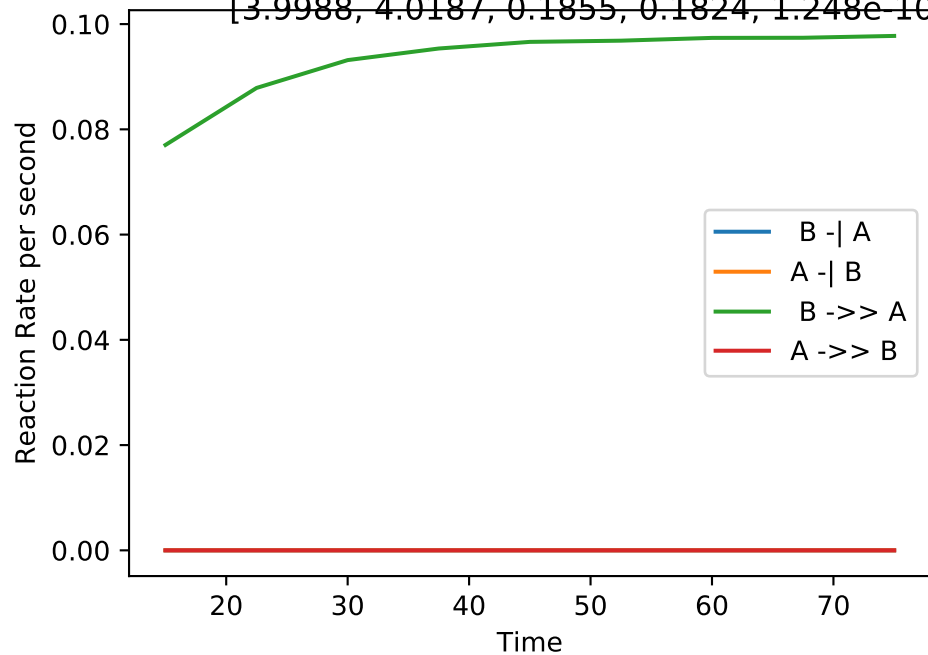
No_up | NLLA No_up(#289):

[4.0312, 4.0448, 0.1933, 0.1859, 2.019e-14, 4.202e-15, 0.0049, 0.0873, 0.0846, 0.0000]



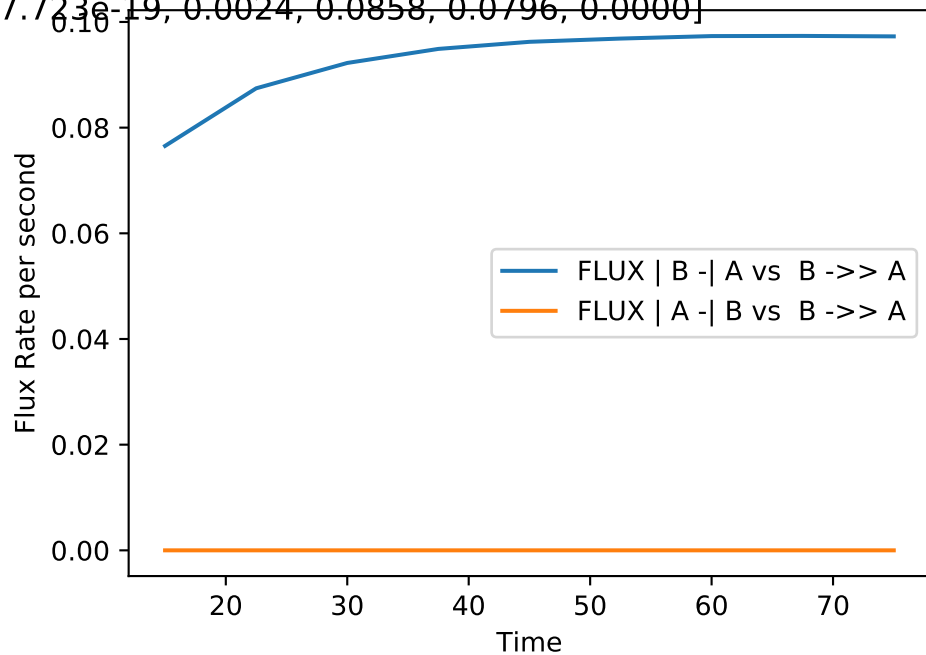
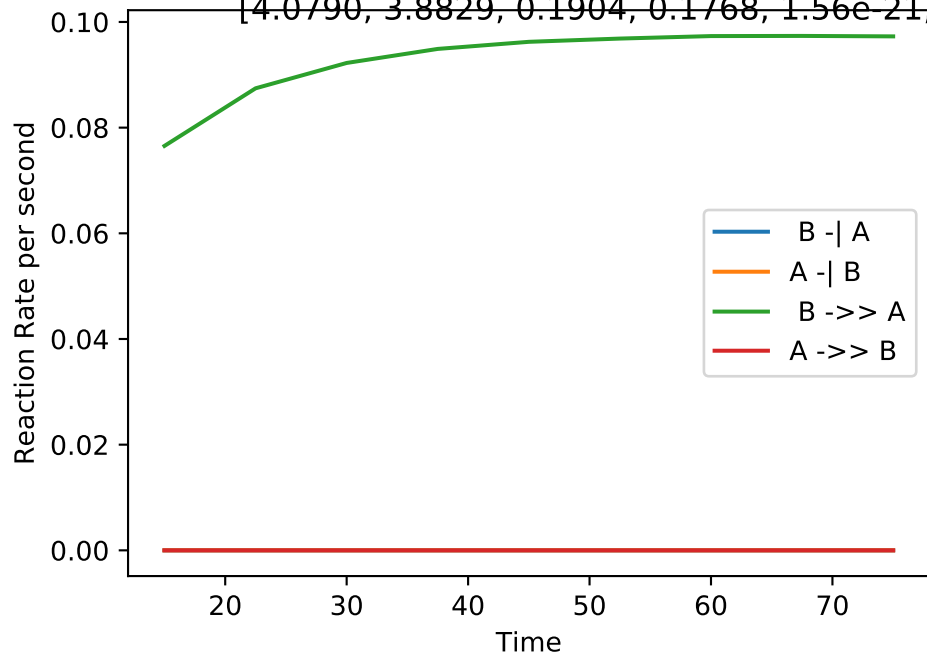
No_up | NLLA No_up(#290):

[3.9988, 4.0187, 0.1855, 0.1824, 1.248e-10, 2.481e-14, 0.0024, 0.0831, 0.0818, 0.0000]



No_up | NLLA No_up(#291):

[4.0790, 3.8829, 0.1904, 0.1768, 1.56e-21, 7.723e-19, 0.0024, 0.0858, 0.0796, 0.0000]



No_up | NLLA No_up(#292):

[3.8747, 4.0494, 0.1771, 0.1854, 1.5e-23, 5.829e-13, 0.0011, 0.0793, 0.0839, 0.0000]

Reaction Rate per second

0.04
0.03
0.02
0.01
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.04
0.03
0.02
0.01
0.00

20

30

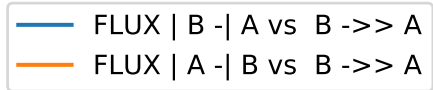
40

50

60

70

Time



No_up | NLLA No_up(#293):

[4.1345, 3.9360, 0.2067, 0.1822, 7.083e-20, 3.495e-16, 0.0079, 0.0951, 0.0835, 0.0000]

Reaction Rate per second

0.30
0.25
0.20
0.15
0.10
0.05
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.30
0.25
0.20
0.15
0.10
0.05
0.00

20

30

40

50

60

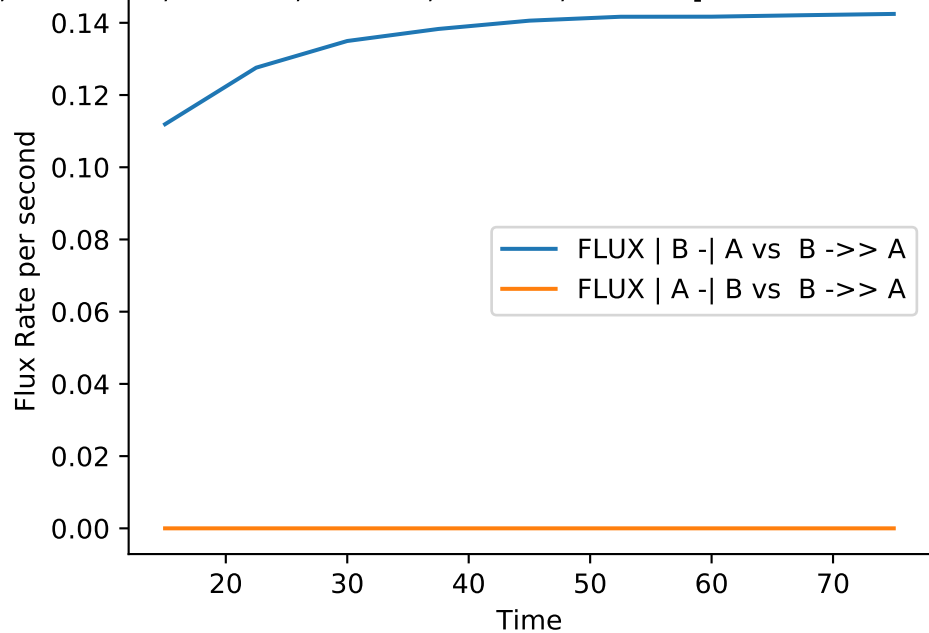
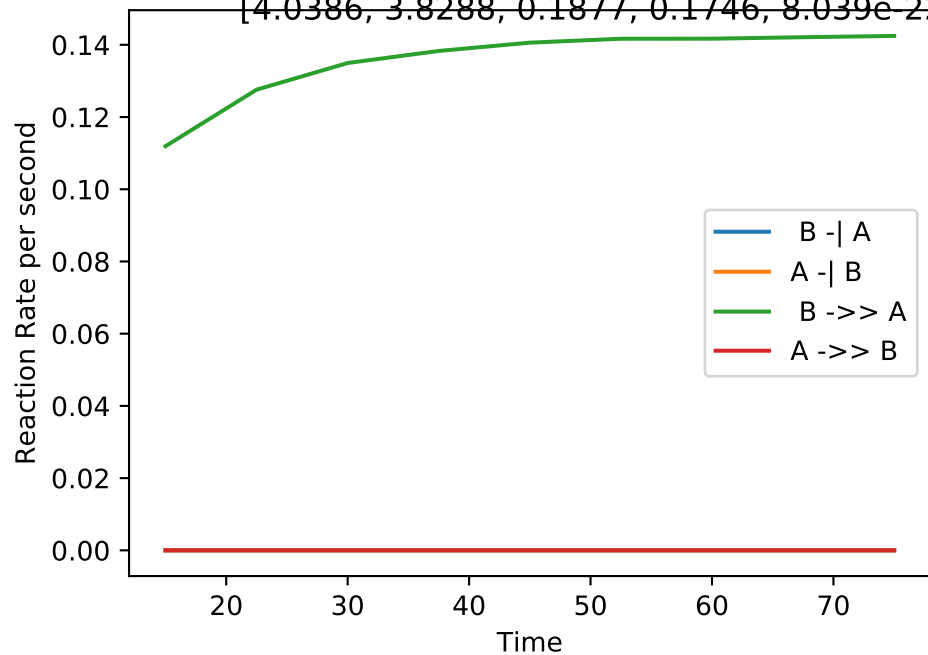
70

Time



No_up | NLLA No_up(#294):

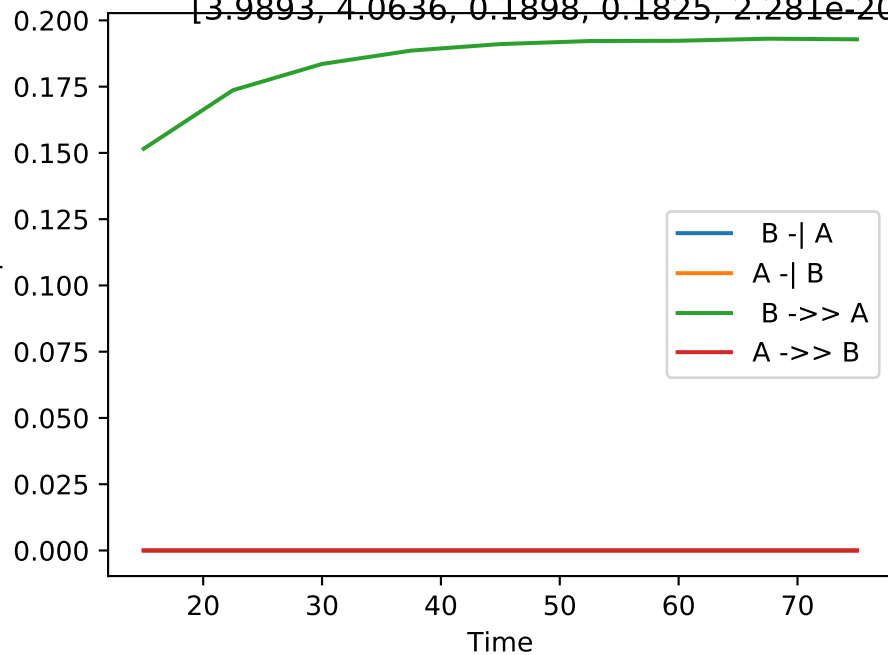
[4.0386, 3.8288, 0.1877, 0.1746, 8.039e-22, 5.62e-17, 0.0036, 0.0833, 0.0788, 0.0000]



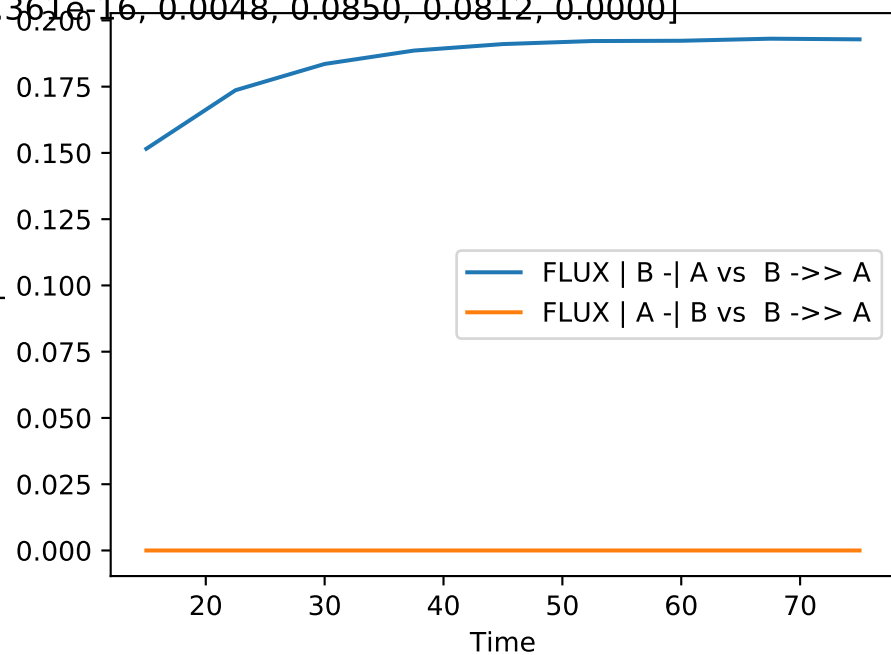
No_up | NLLA No_up(#295):

[3.9893, 4.0636, 0.1898, 0.1825, 2.281e-20, 3.361e-16, 0.0048, 0.0850, 0.0812, 0.0000]

Reaction Rate per second

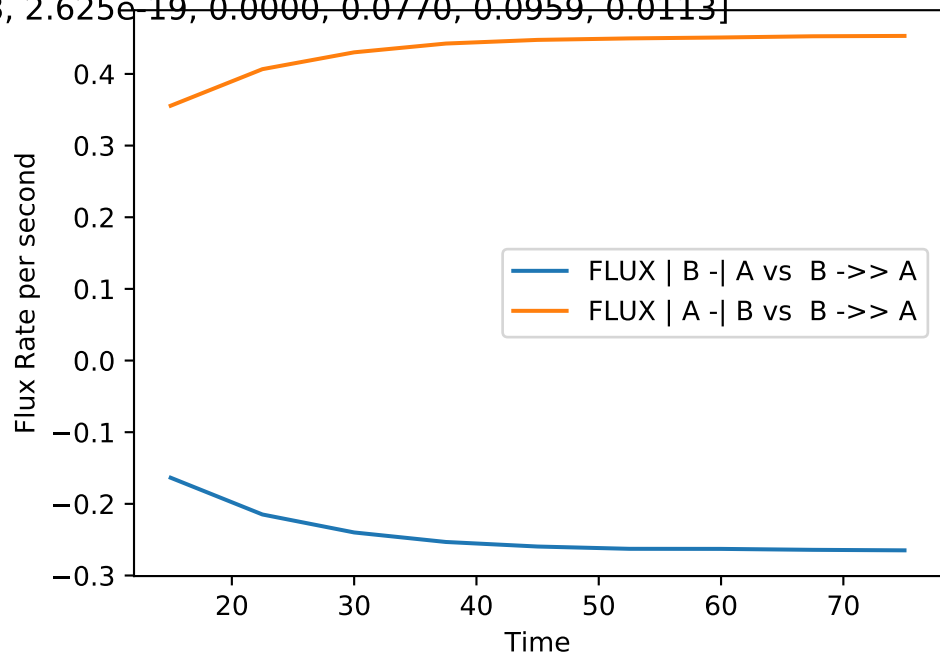
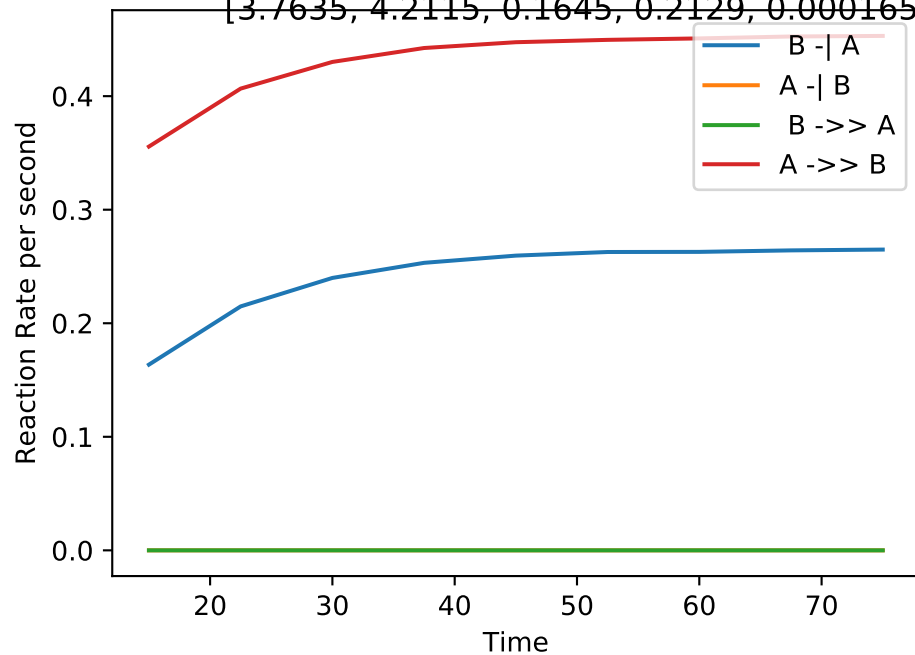


Flux Rate per second



No_up | NLLA No_up(#296):

[3.7635, 4.2115, 0.1645, 0.2129, 0.0001658, 2.625e-19, 0.0000, 0.0770, 0.0959, 0.0113]



No_up | NLLA No_up(#297):

[4.0710, 3.9002, 0.1934, 0.1765, 2.802e-15, 1.421e-16, 0.0053, 0.0863, 0.0791, 0.0000]

Reaction Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

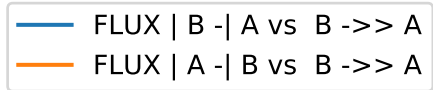
40

50

60

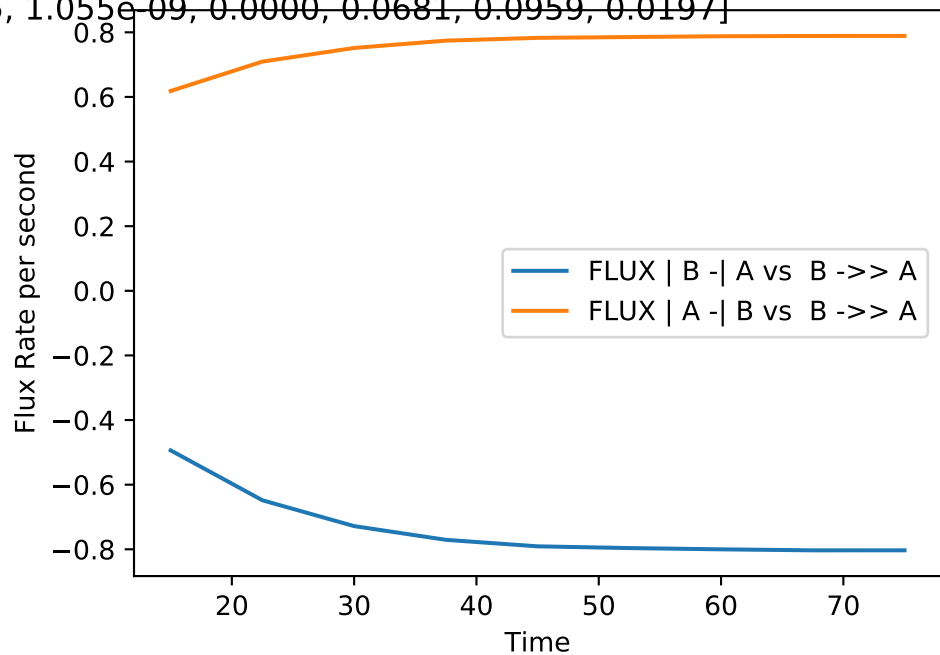
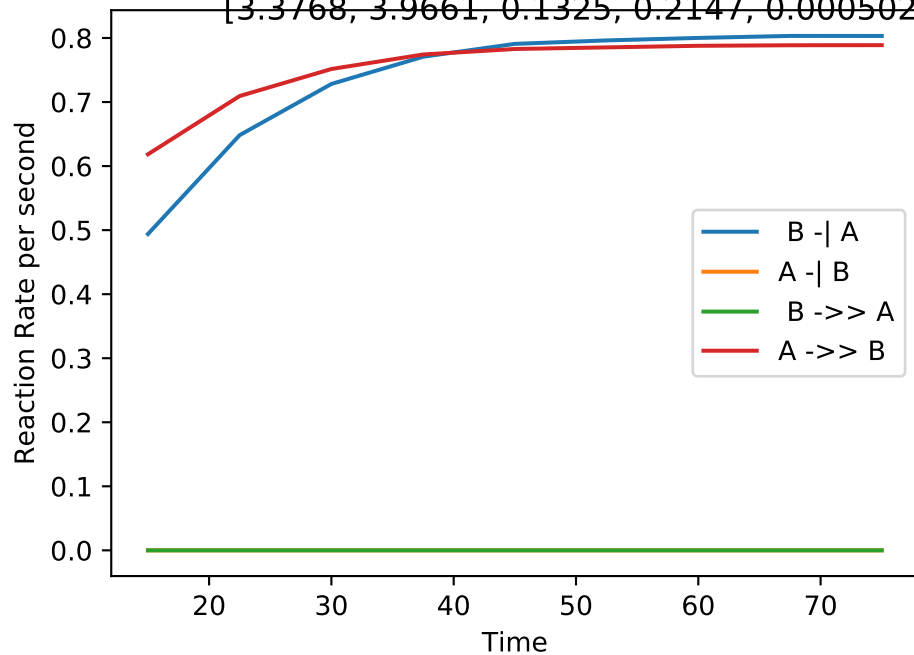
70

Time



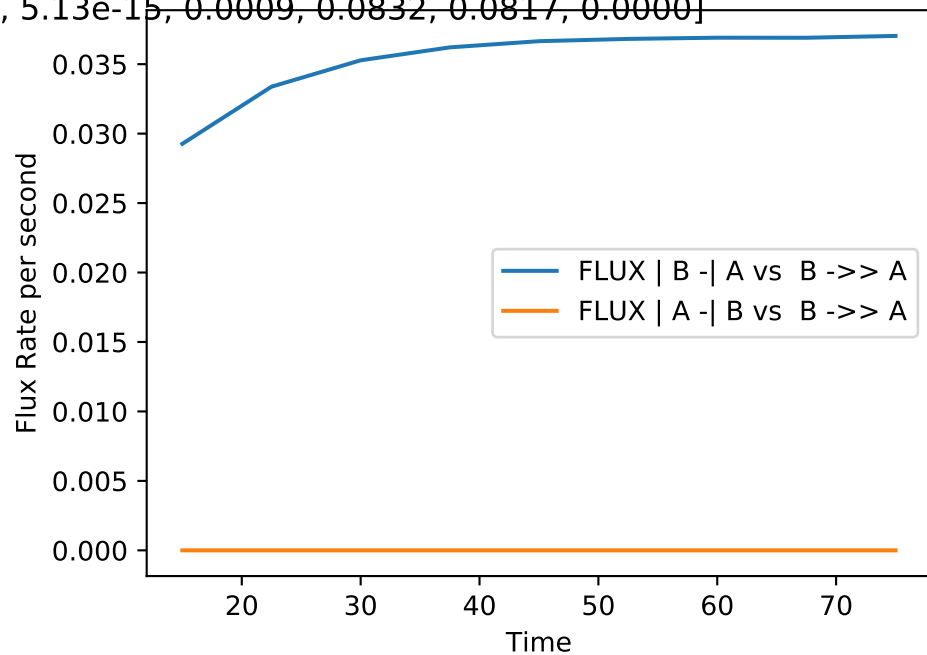
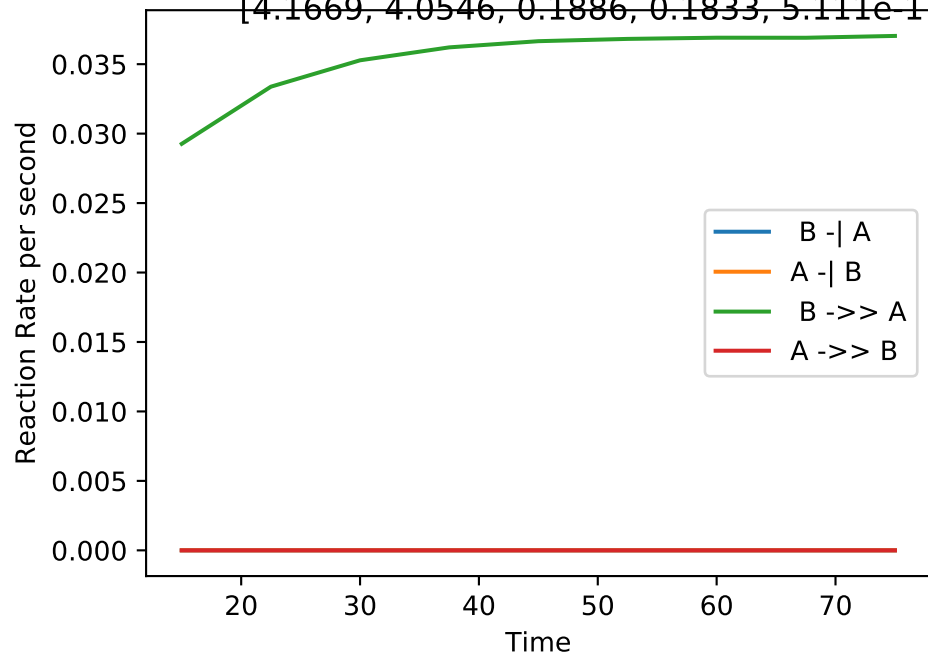
No_up | NLLA No_up(#298):

[3.3768, 3.9661, 0.1325, 0.2147, 0.0005025, 1.055e-09, 0.0000, 0.0681, 0.0959, 0.0197]



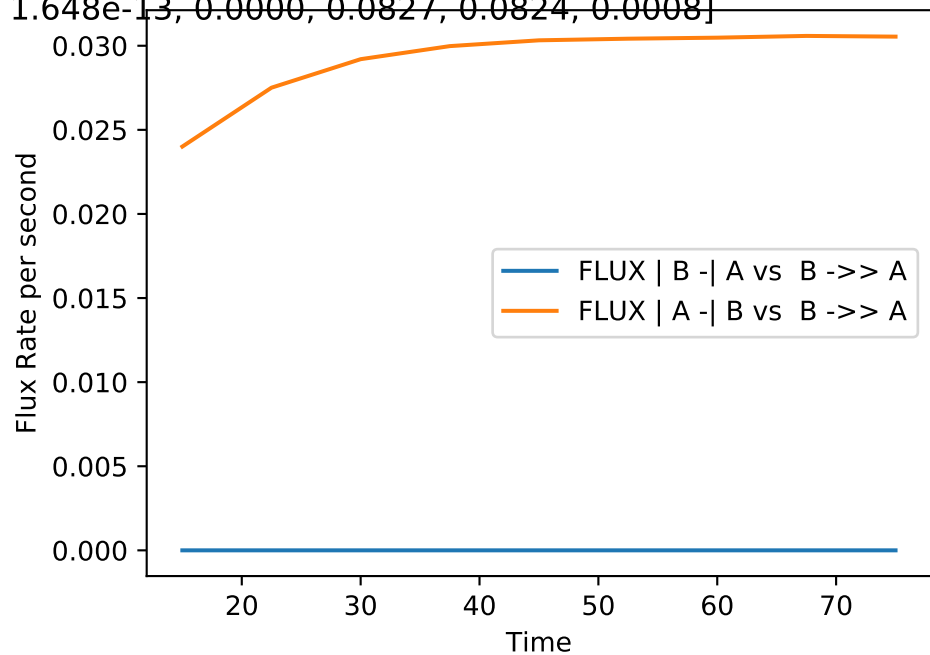
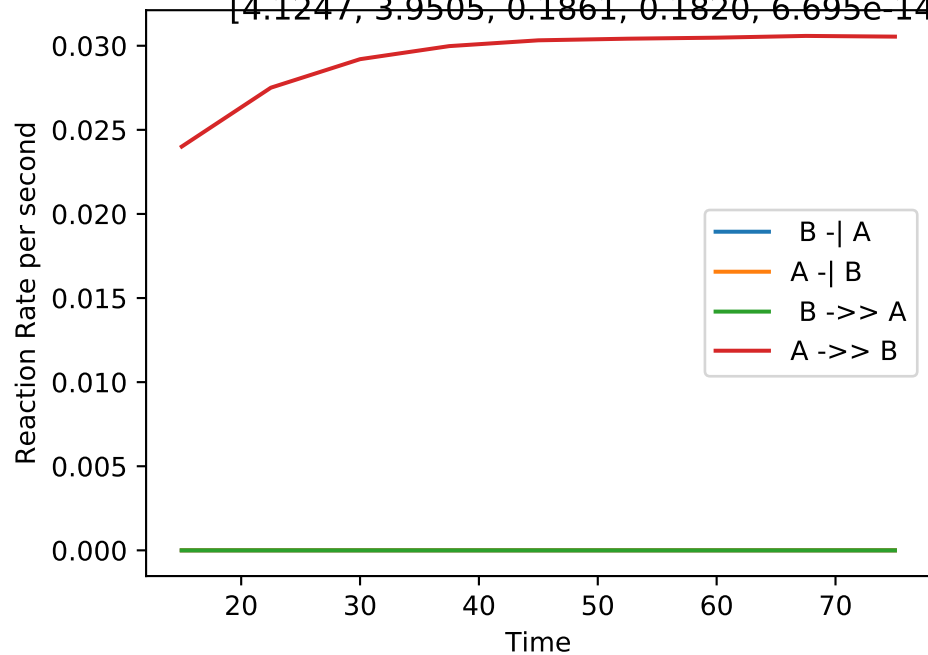
No_up | NLLA No_up(#299):

[4.1669, 4.0546, 0.1886, 0.1833, 5.111e-17, 5.13e-15, 0.0009, 0.0832, 0.0817, 0.0000]



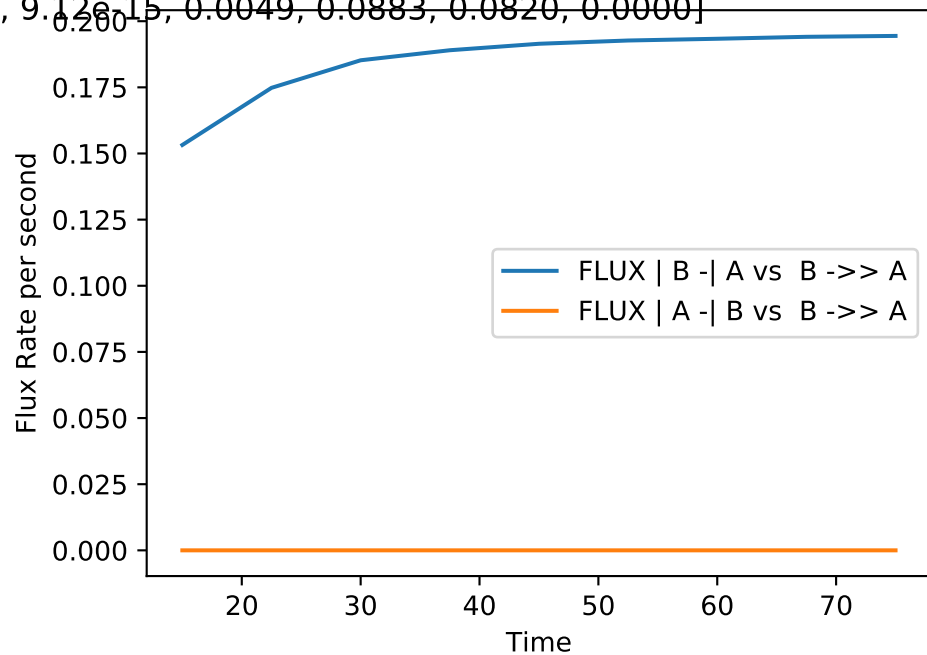
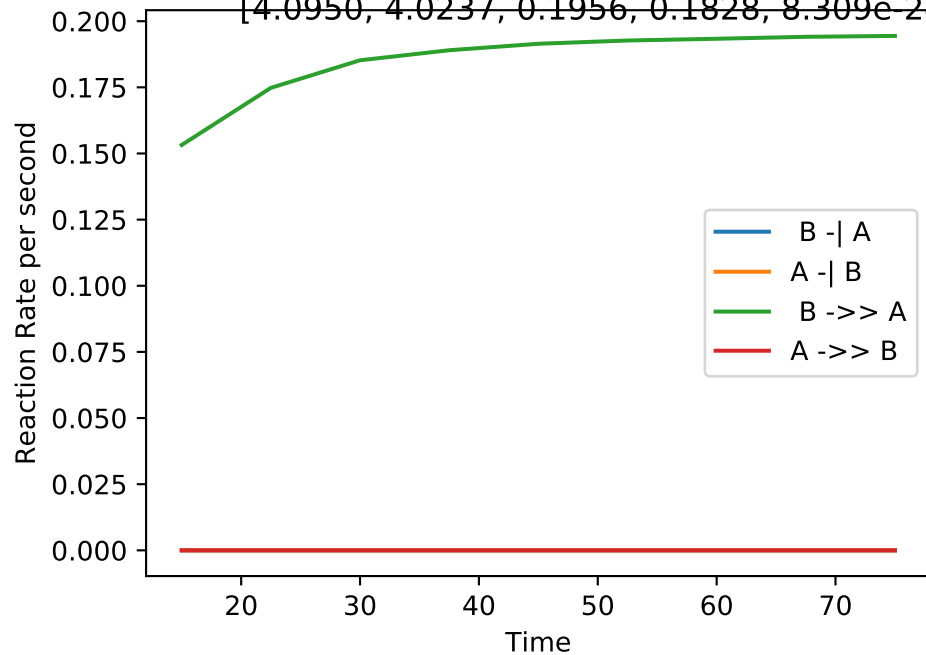
No_up | NLLA No_up(#300):

[4.1247, 3.9505, 0.1861, 0.1820, 6.695e-14, 1.648e-13, 0.0000, 0.0827, 0.0824, 0.0008]



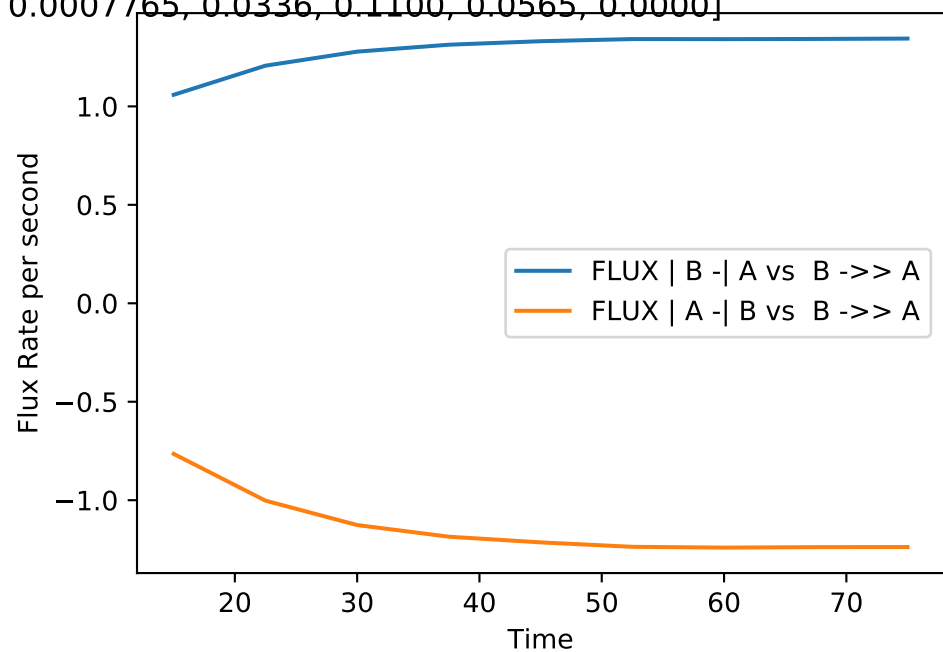
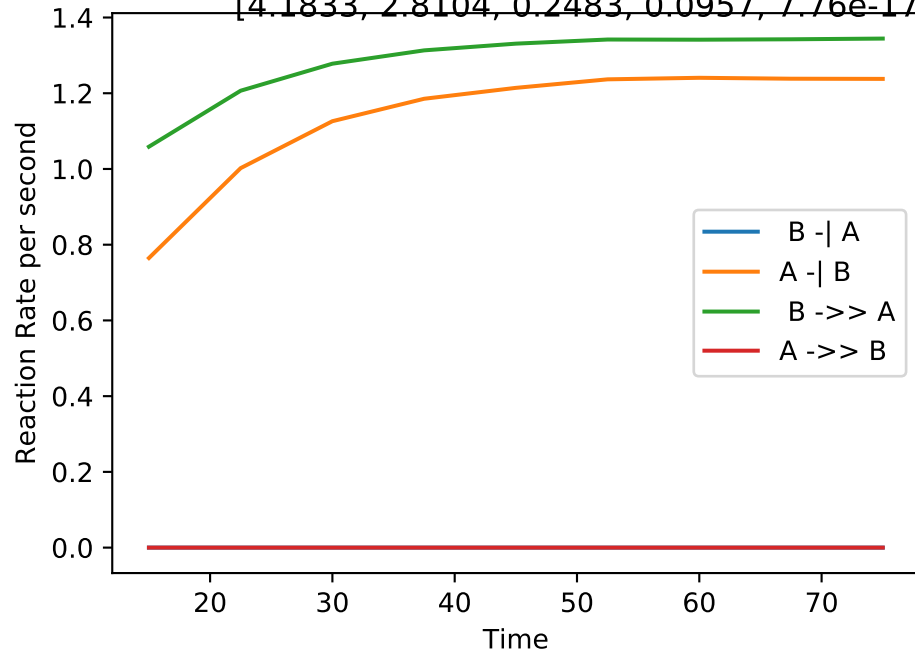
No_up | NLLA No_up(#301):

[4.0950, 4.0237, 0.1956, 0.1828, 8.309e-24, 9.12e-15, 0.0049, 0.0883, 0.0820, 0.0000]



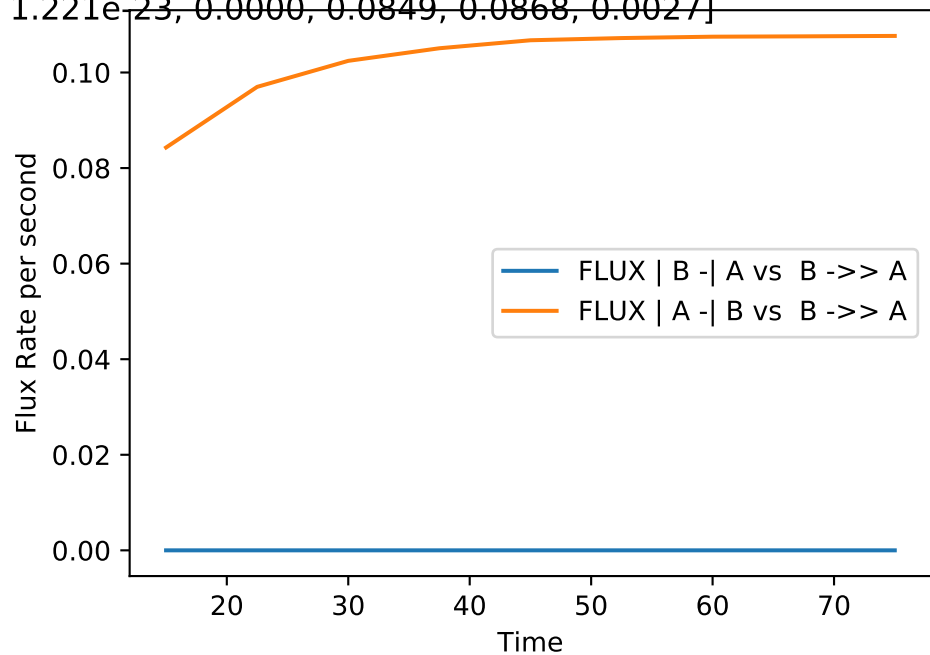
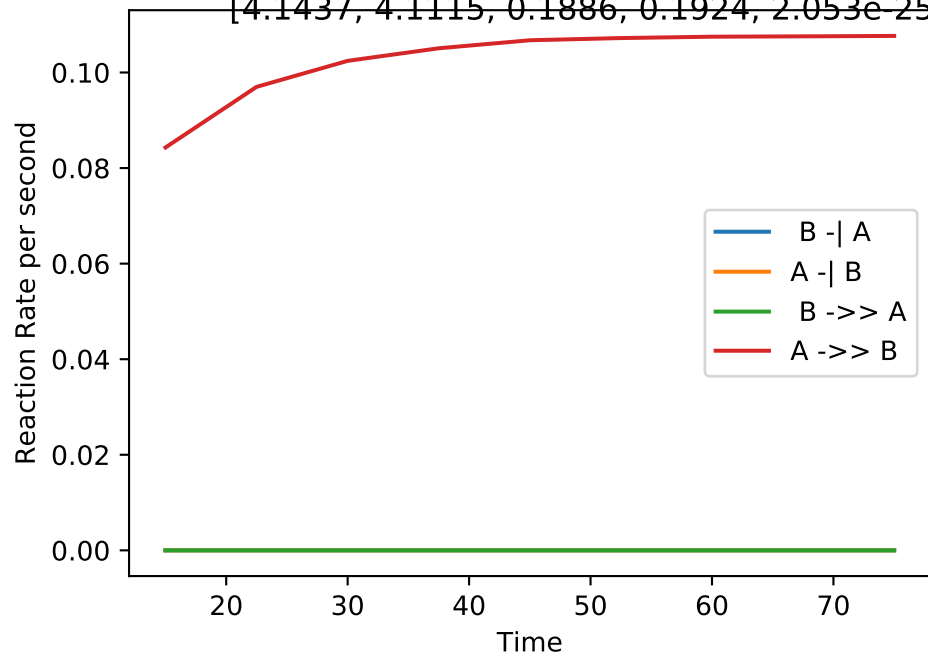
No_up | NLLA No_up(#302):

[4.1833, 2.8104, 0.2483, 0.0957, 7.76e-17, 0.0007765, 0.0336, 0.1100, 0.0565, 0.0000]



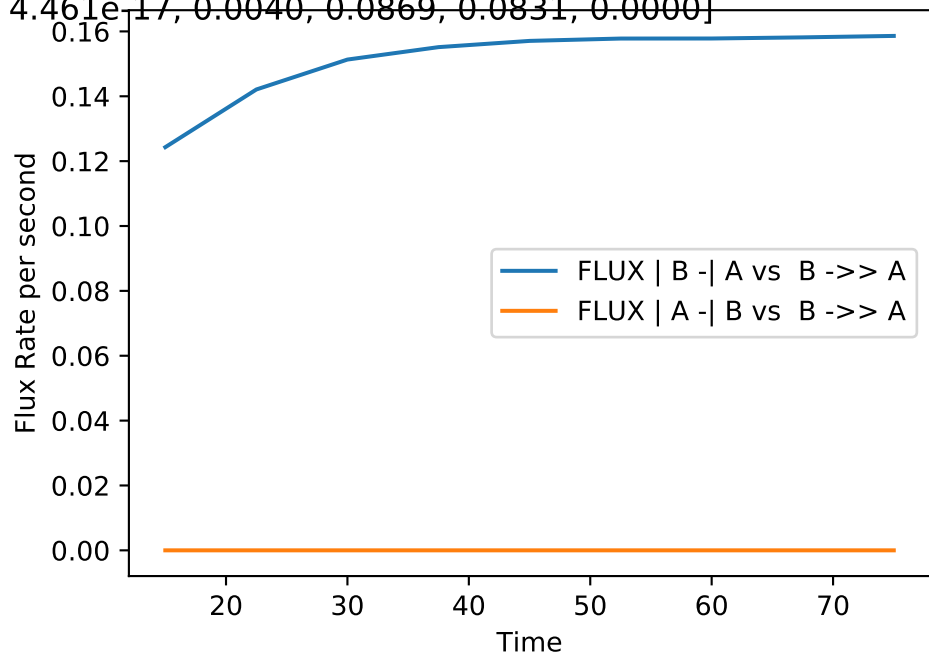
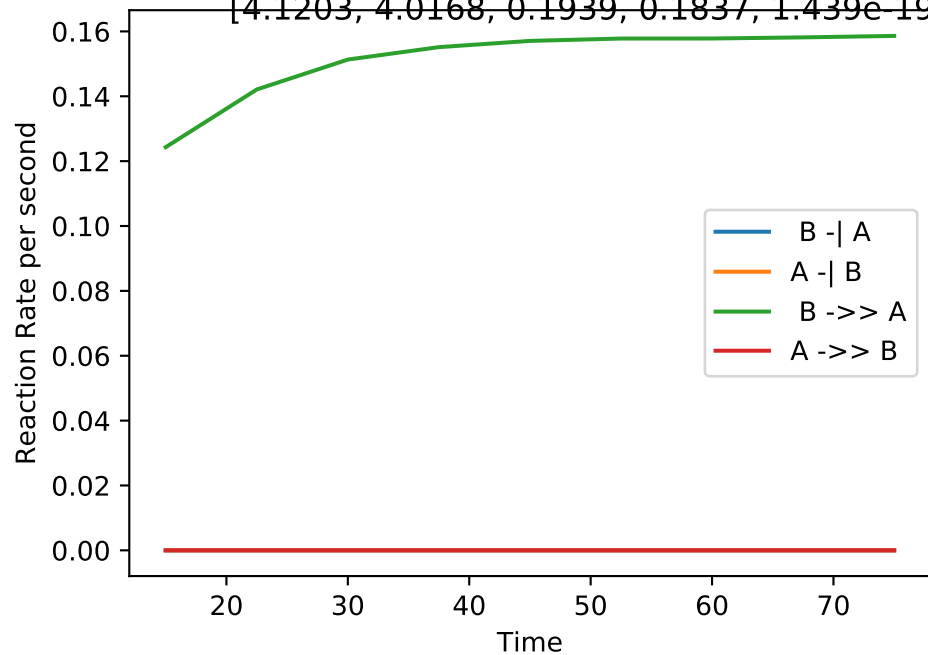
No_up | NLLA No_up(#303):

[4.1437, 4.1115, 0.1886, 0.1924, 2.053e-25, 1.221e-23, 0.0000, 0.0849, 0.0868, 0.0027]



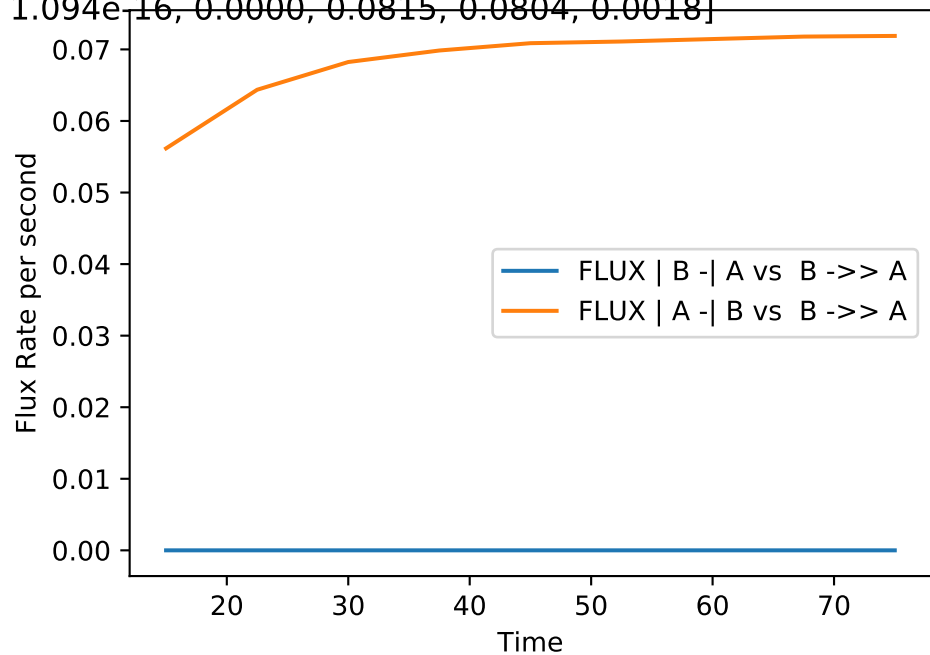
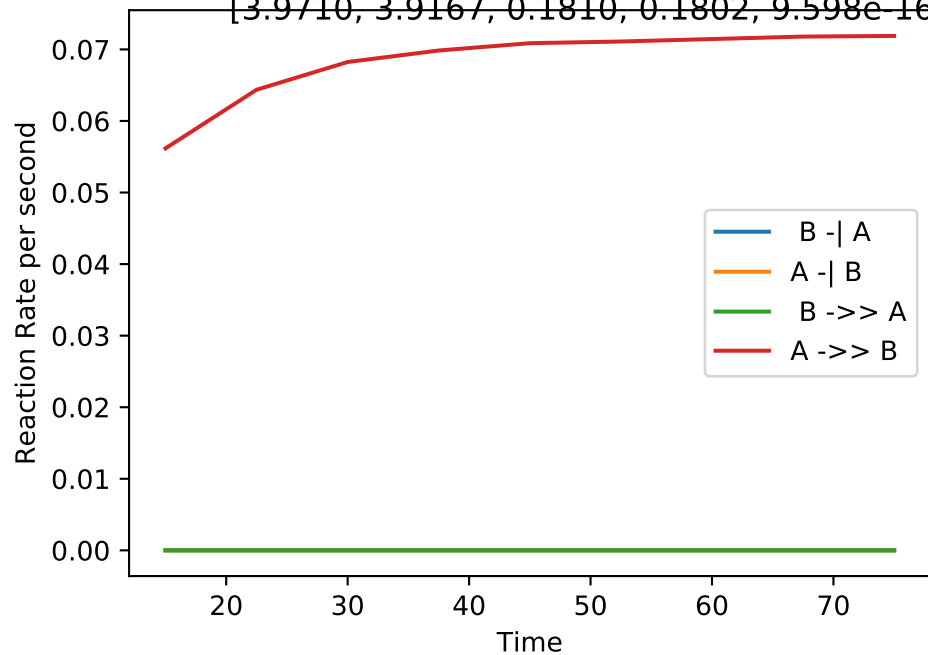
No_up | NLLA No_up(#304):

[4.1203, 4.0168, 0.1939, 0.1837, 1.439e-19, 4.461e-17, 0.0040, 0.0869, 0.0831, 0.0000]



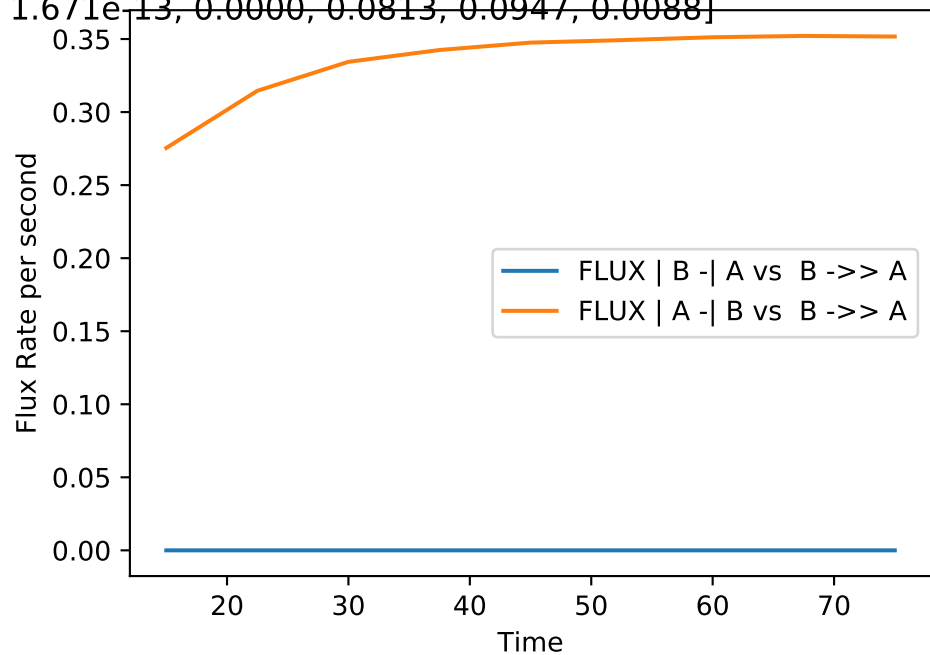
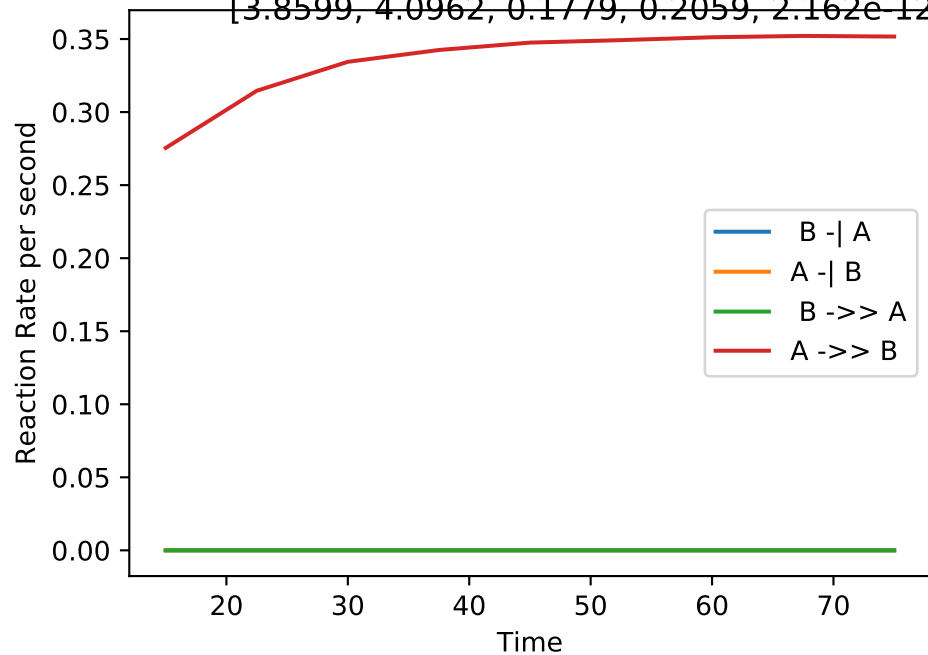
No_up | NLLA No_up(#305):

[3.9710, 3.9167, 0.1810, 0.1802, 9.598e-16, 1.094e-16, 0.0000, 0.0815, 0.0804, 0.0018]



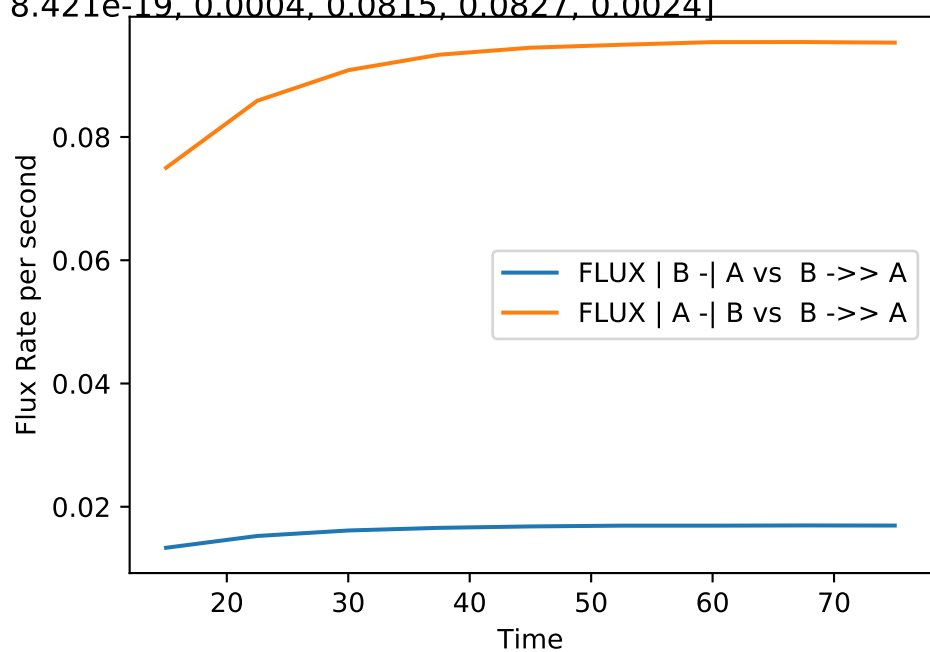
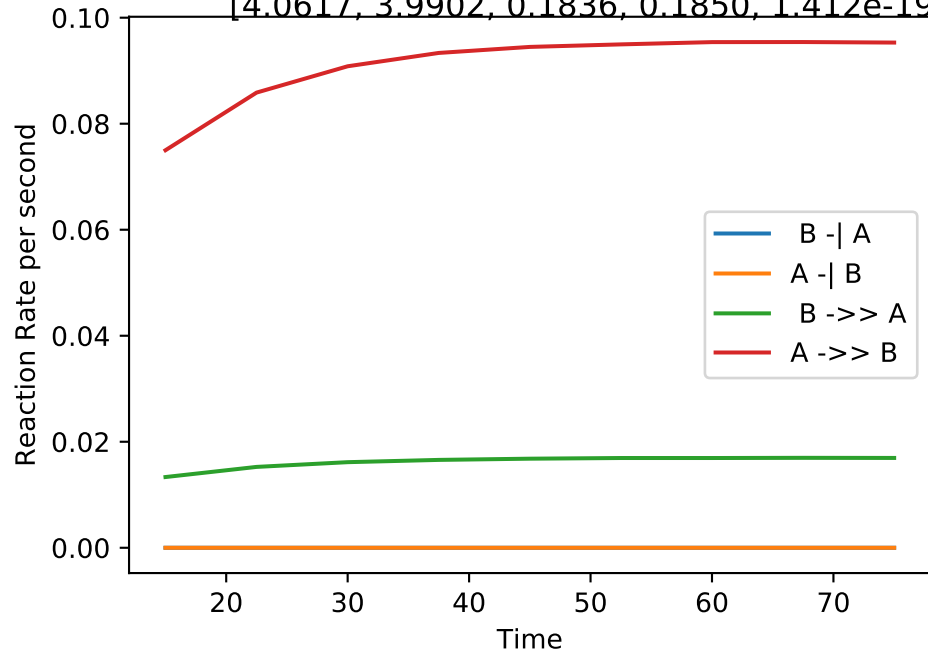
No_up | NLLA No_up(#306):

[3.8599, 4.0962, 0.1779, 0.2059, 2.162e-12, 1.671e-13, 0.0000, 0.0813, 0.0947, 0.0088]



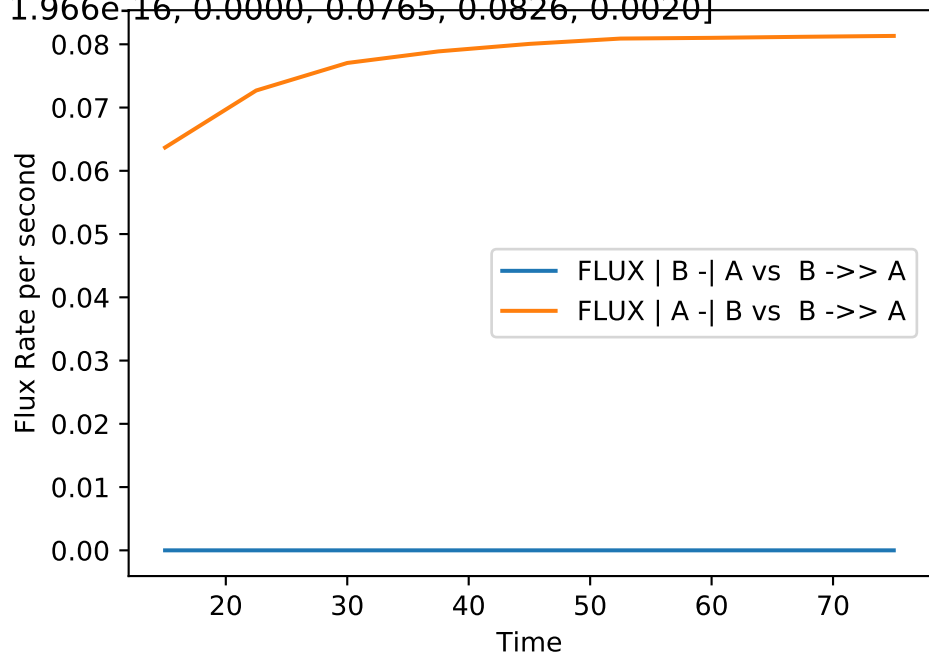
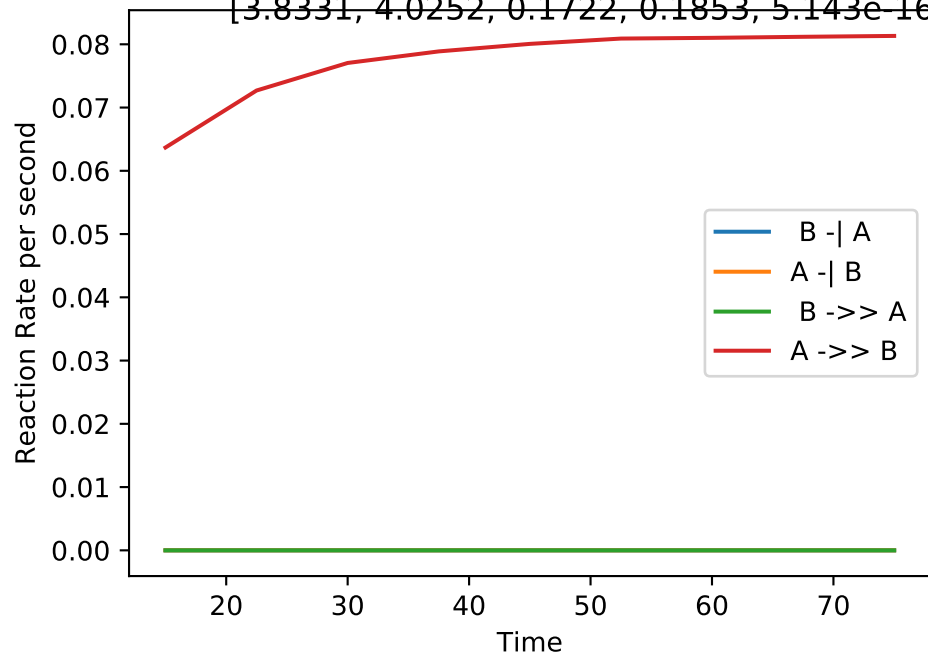
No_up | NLLA No_up(#307):

[4.0617, 3.9902, 0.1836, 0.1850, 1.412e-19, 8.421e-19, 0.0004, 0.0815, 0.0827, 0.0024]



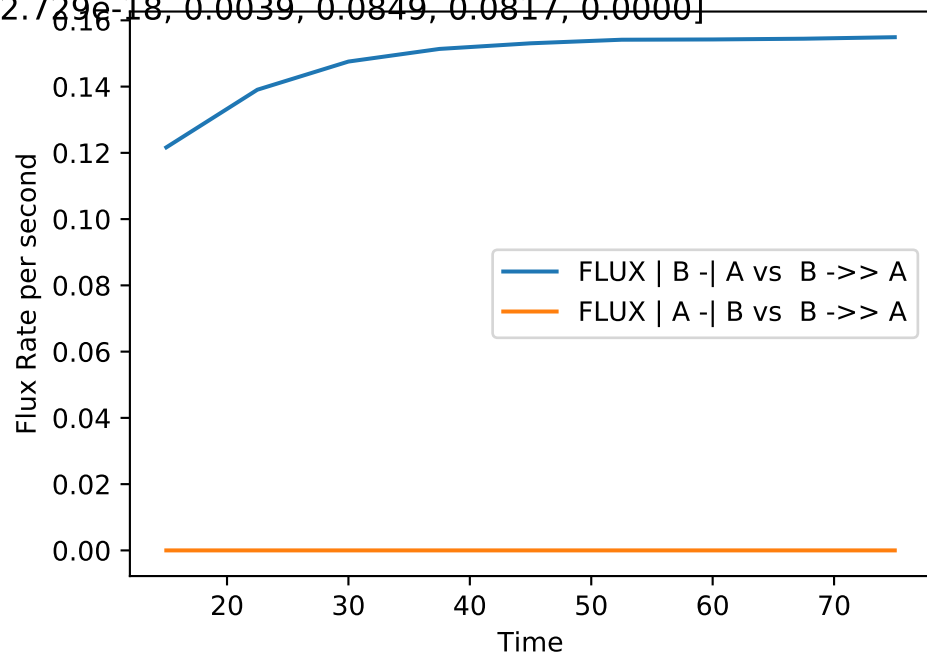
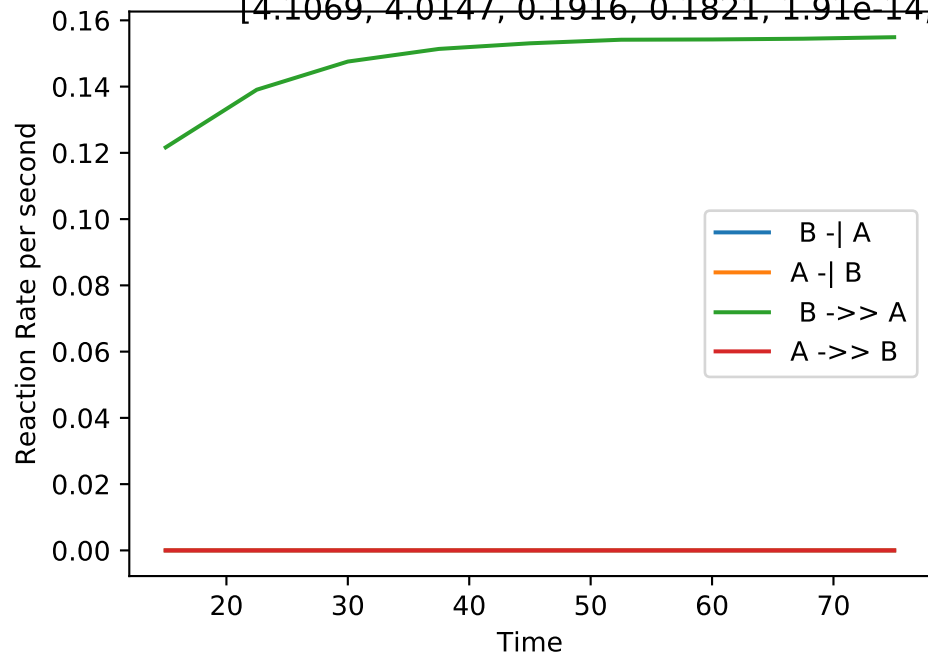
No_up | NLLA No_up(#308):

[3.8331, 4.0252, 0.1722, 0.1853, 5.143e-16, 1.966e-16, 0.0000, 0.0765, 0.0826, 0.0020]



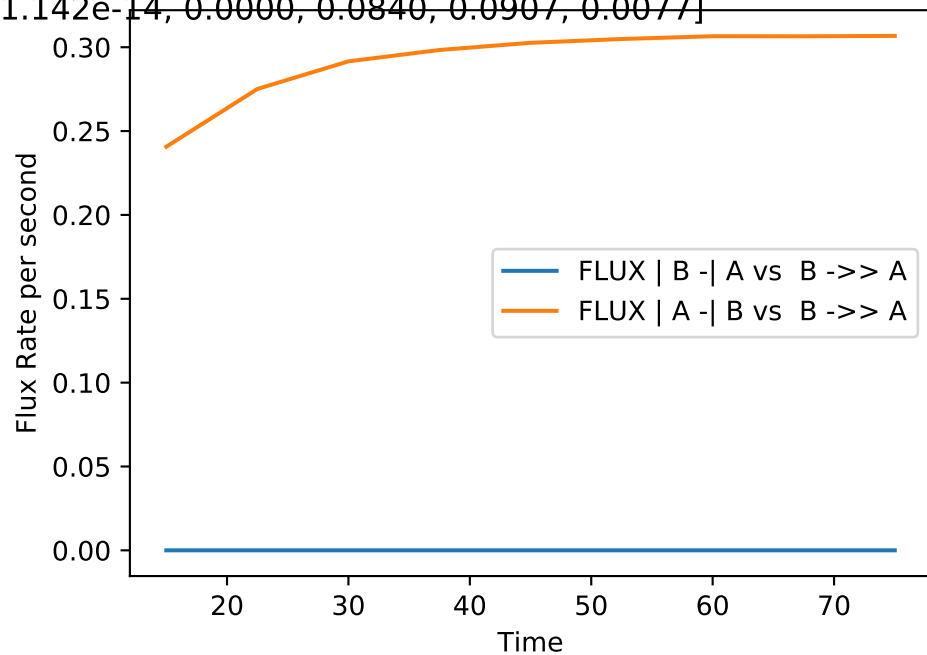
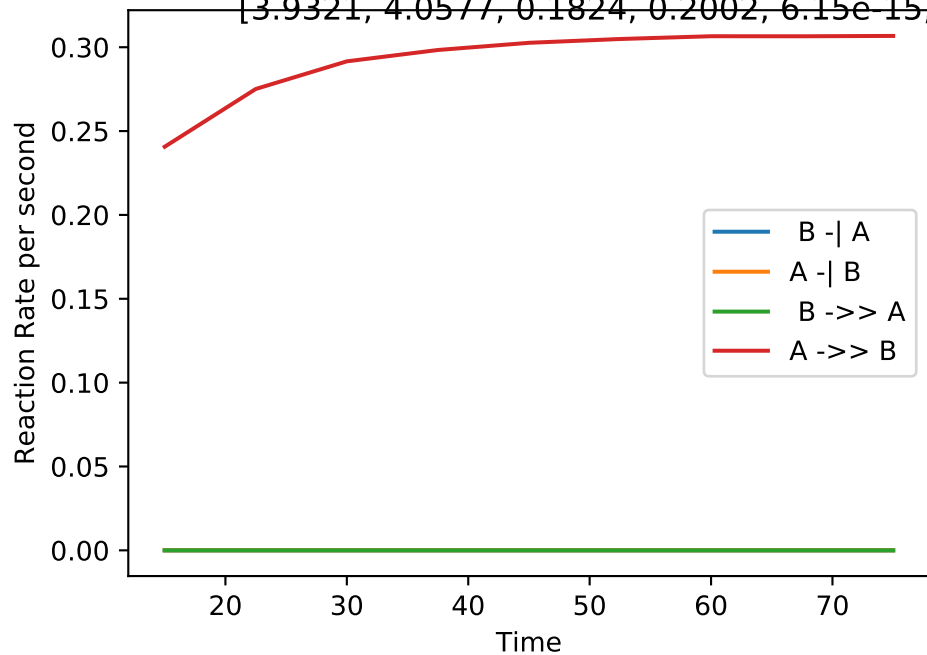
No_up | NLLA No_up(#309):

[4.1069, 4.0147, 0.1916, 0.1821, 1.91e-14, 2.729e-18, 0.0039, 0.0849, 0.0817, 0.0000]



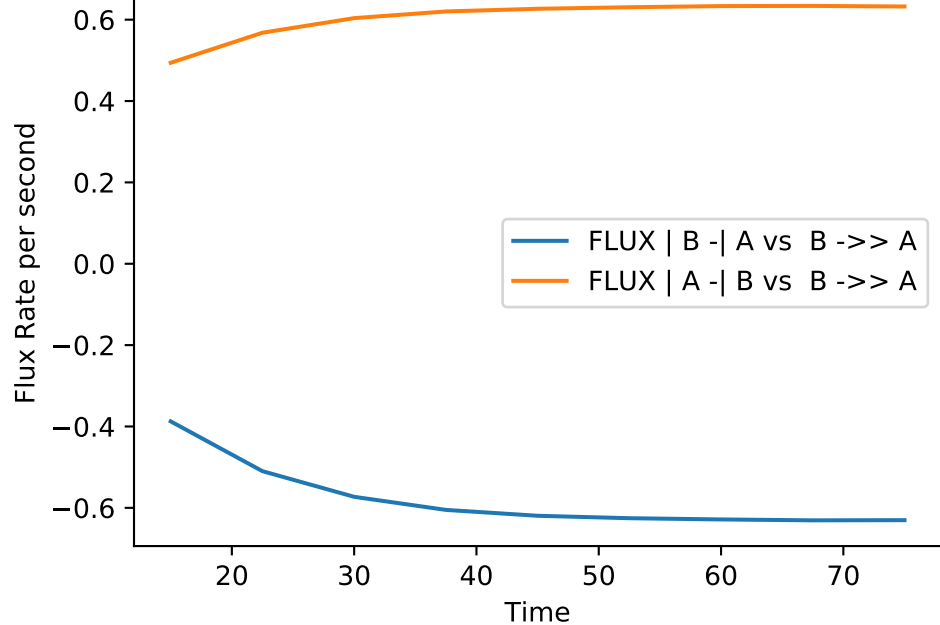
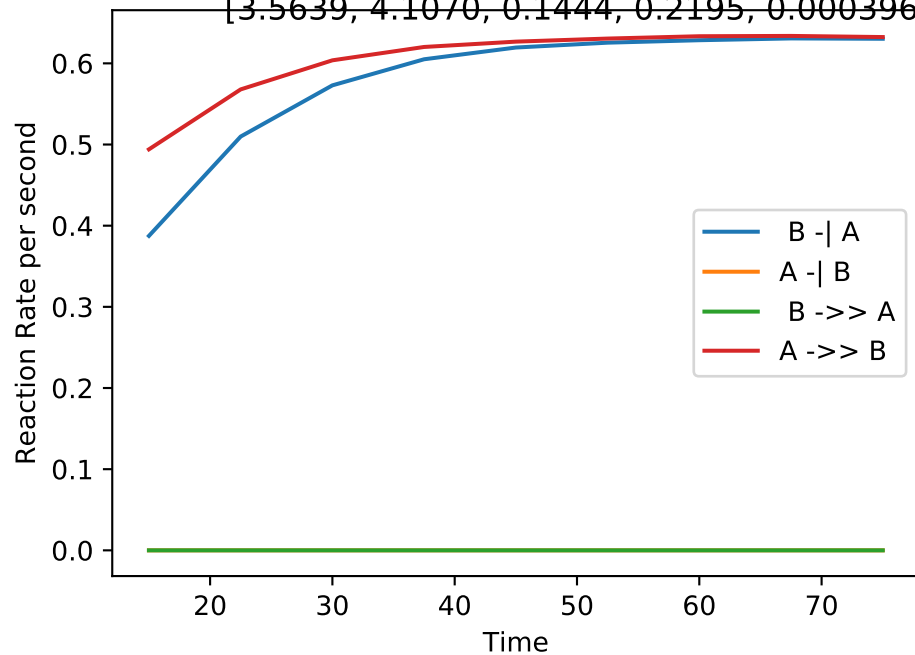
No_up | NLLA No_up(#310):

[3.9321, 4.0577, 0.1824, 0.2002, 6.15e-15, 1.142e-14, 0.0000, 0.0840, 0.0907, 0.0077]



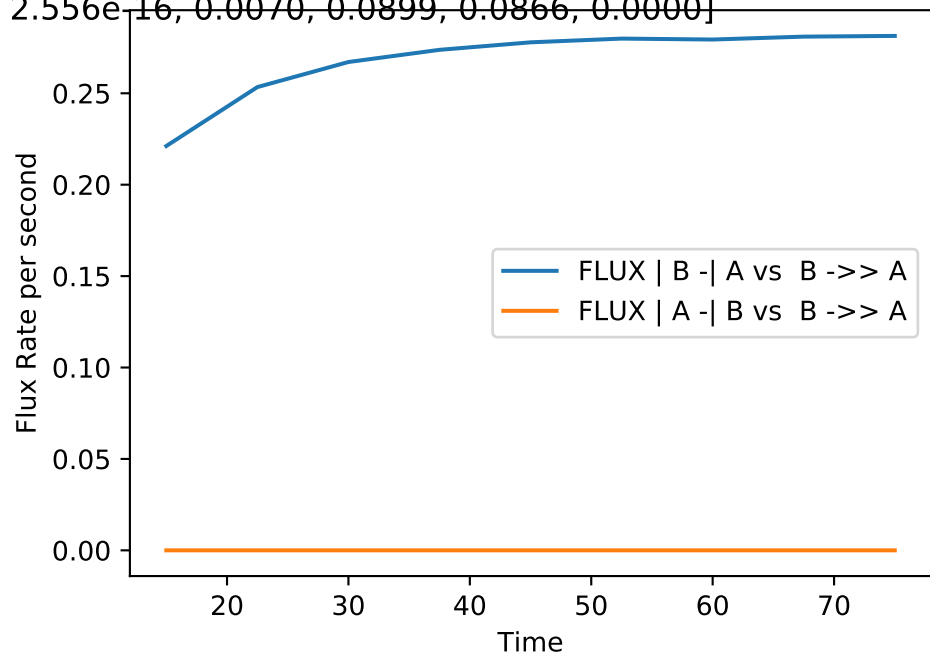
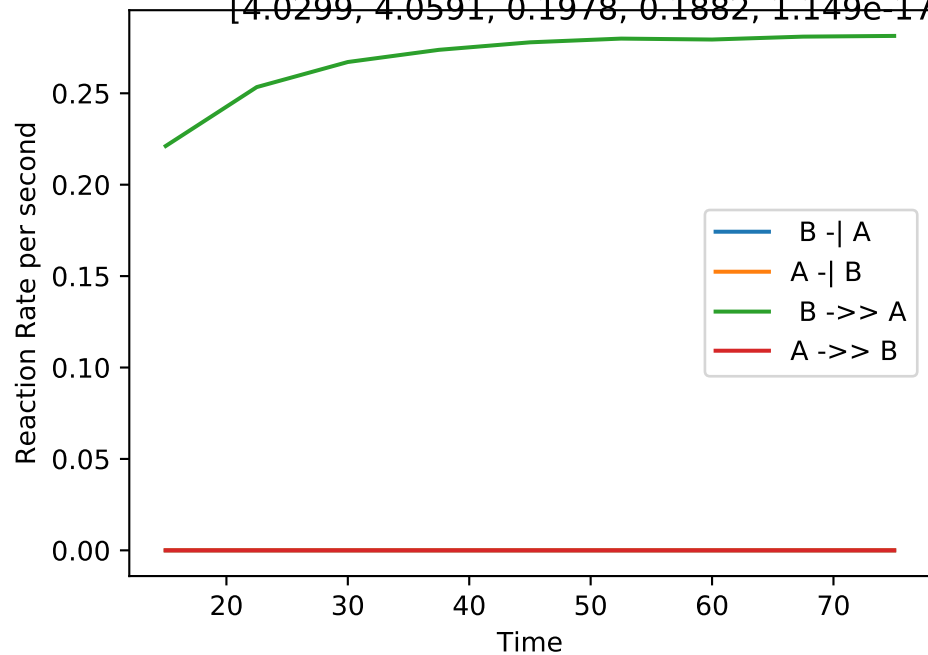
No_up | NLLA No_up(#311):

[3.5639, 4.1070, 0.1444, 0.2195, 0.0003963, 1.193e-09, 0.0000, 0.0710, 0.1004, 0.0158]



No_up | NLLA No_up(#312):

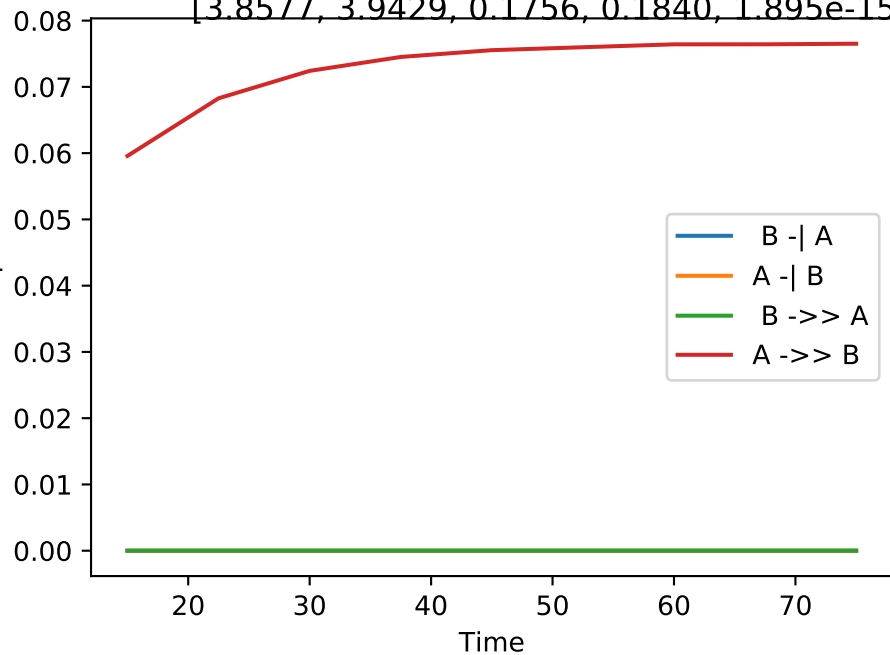
[4.0299, 4.0591, 0.1978, 0.1882, 1.149e-17, 2.556e-16, 0.0070, 0.0899, 0.0866, 0.0000]



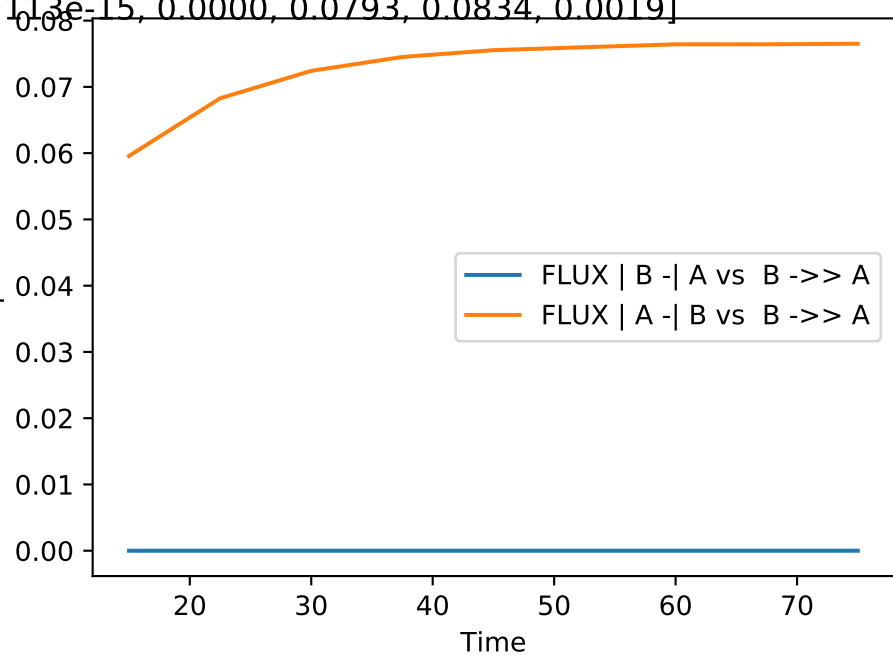
No_up | NLLA No_up(#313):

[3.8577, 3.9429, 0.1756, 0.1840, 1.895e-15, 1.113e-15, 0.0000, 0.0793, 0.0834, 0.0019]

Reaction Rate per second

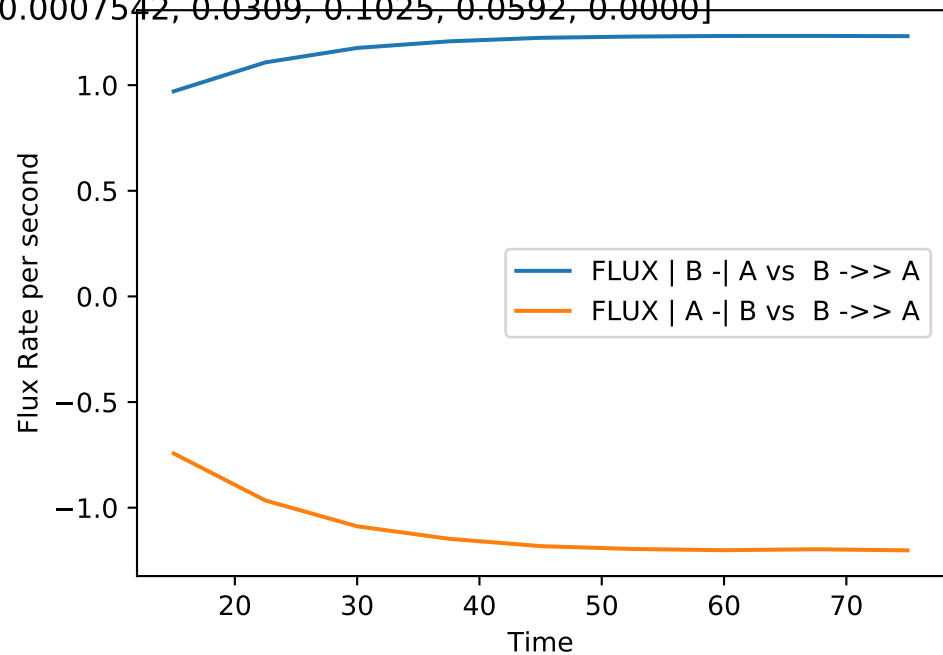
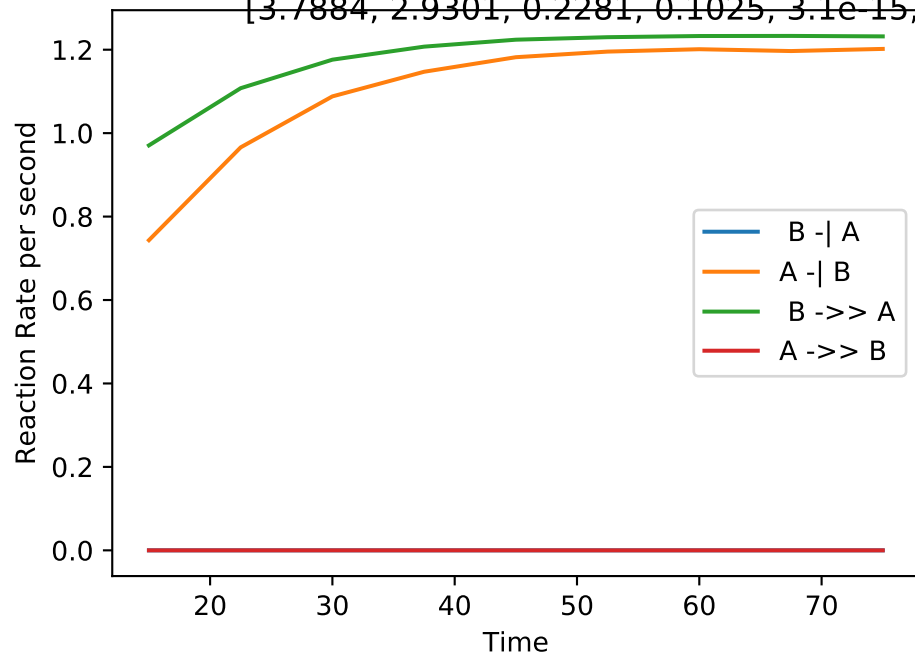


Flux Rate per second



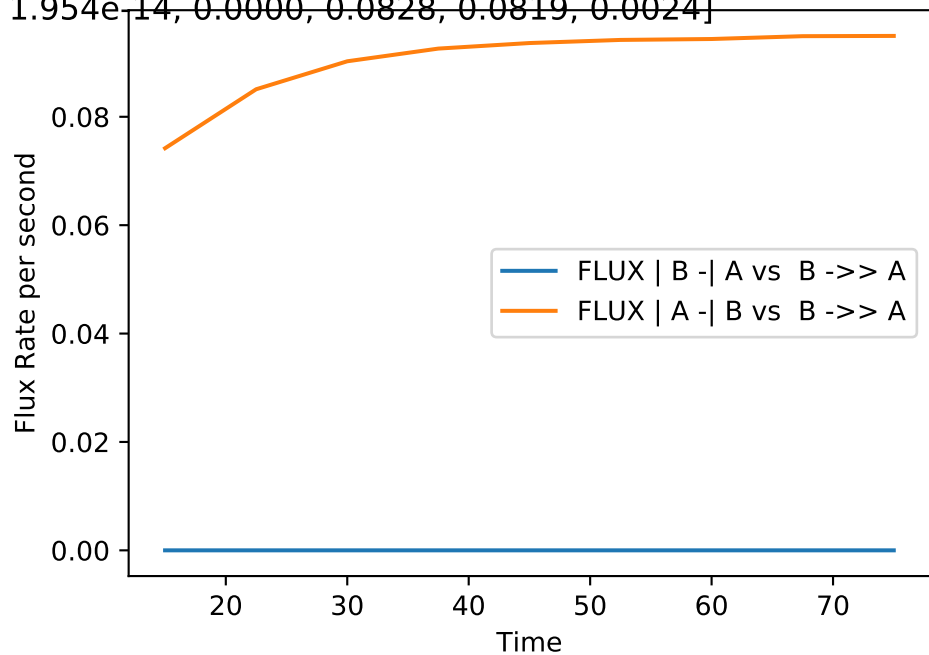
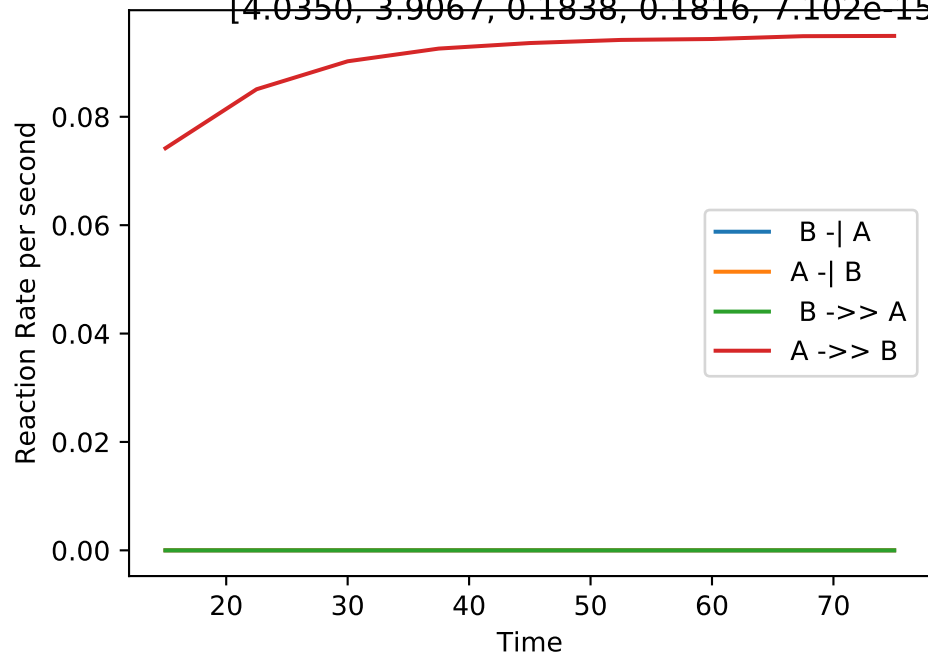
No_up | NLLA No_up(#314):

[3.7884, 2.9301, 0.2281, 0.1025, 3.1e-15, 0.0007542, 0.0309, 0.1025, 0.0592, 0.0000]



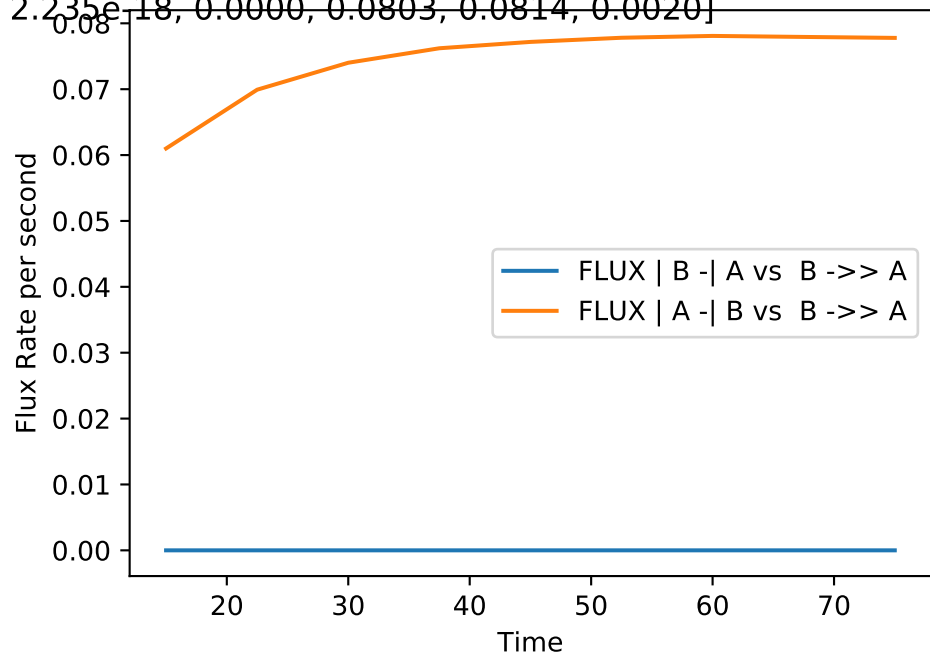
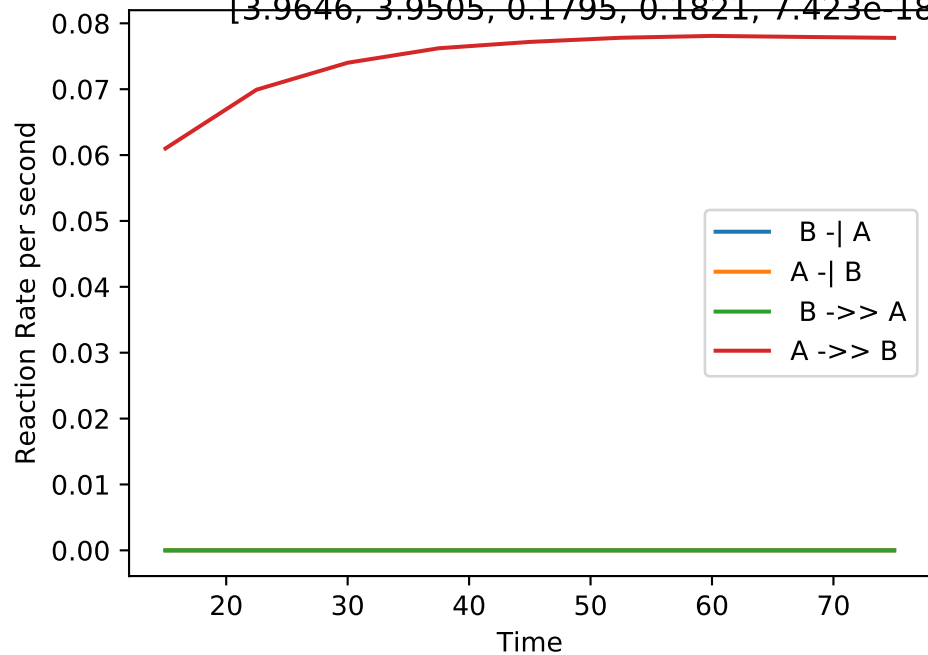
No_up | NLLA No_up(#315):

[4.0350, 3.9067, 0.1838, 0.1816, 7.102e-15, 1.954e-14, 0.0000, 0.0828, 0.0819, 0.0024]



No_up | NLLA No_up(#316):

[3.9646, 3.9505, 0.1795, 0.1821, 7.423e-18, 2.235e-18, 0.0000, 0.0803, 0.0814, 0.0020]



No_up | NLLA No_up(#317):

[4.1327, 4.0690, 0.1885, 0.1969, 1.334e-16, 1.892e-15, 0.0000, 0.0850, 0.0897, 0.0053]

Reaction Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

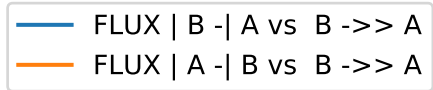
40

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60

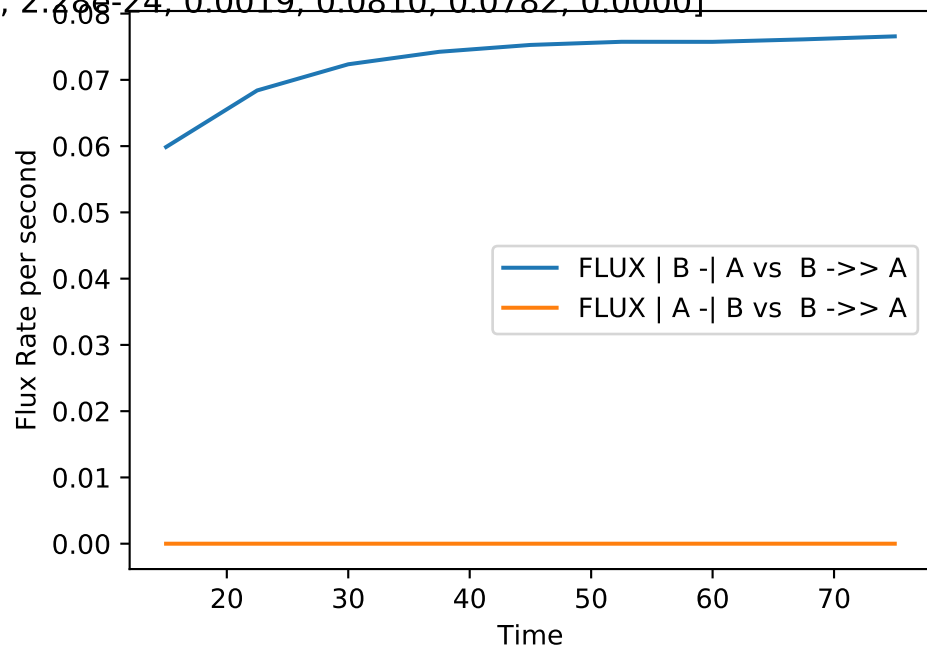
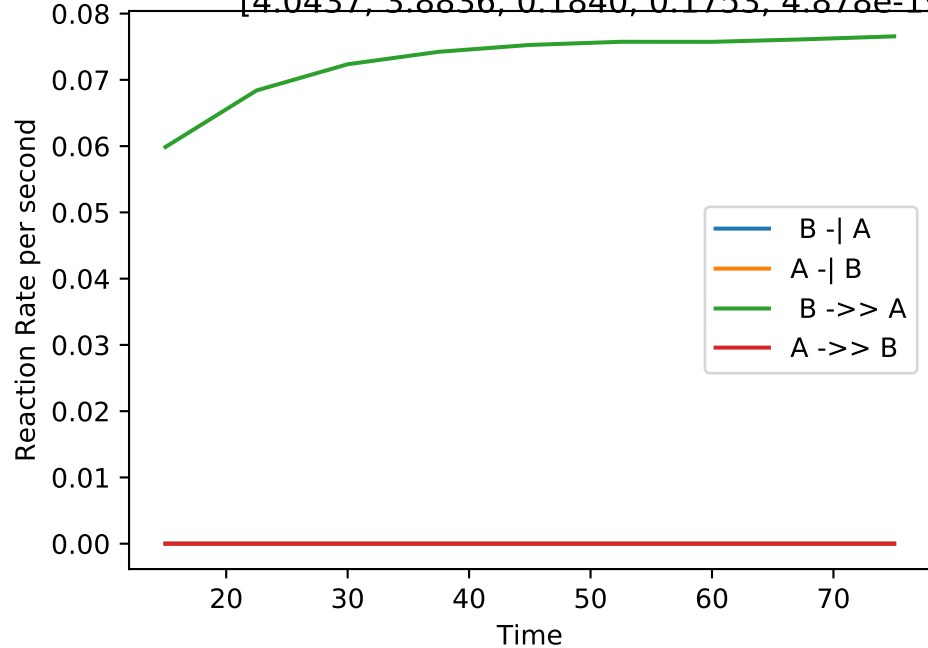
70

Time



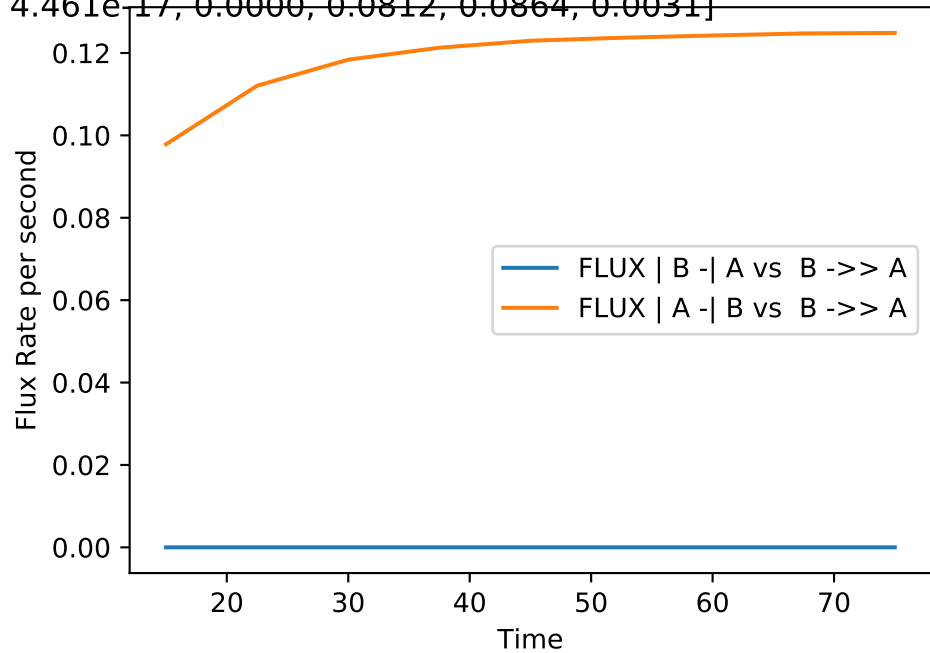
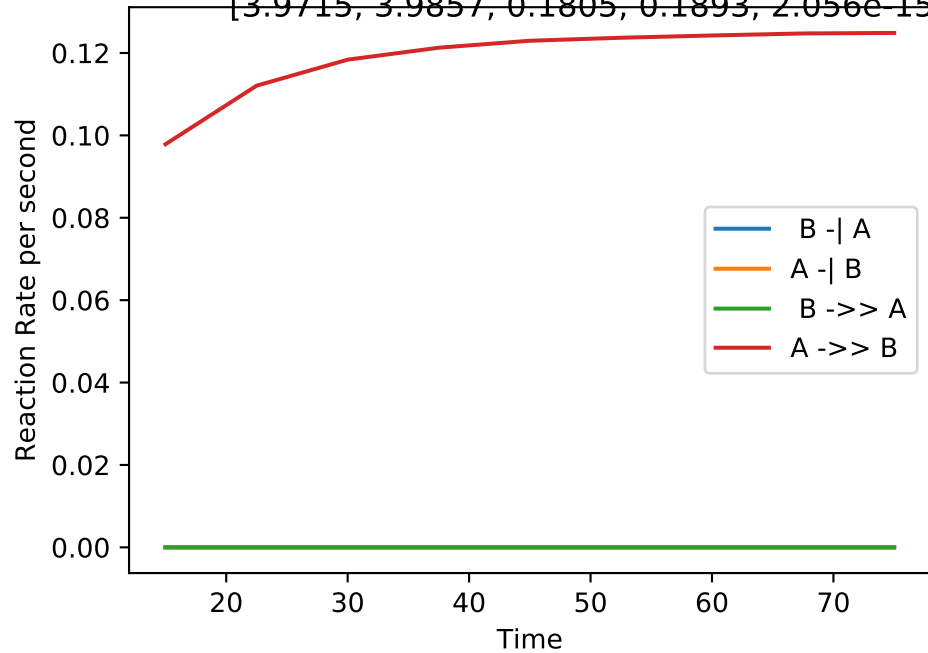
No_up | NLLA No_up(#318):

[4.0437, 3.8836, 0.1840, 0.1753, 4.878e-19, 2.28e-24, 0.0019, 0.0810, 0.0782, 0.0000]



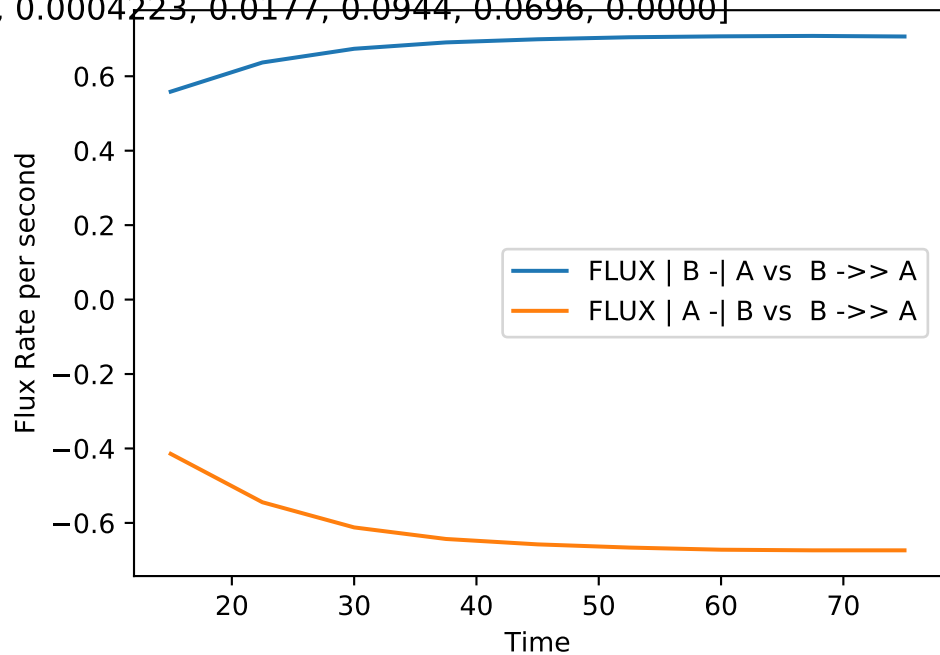
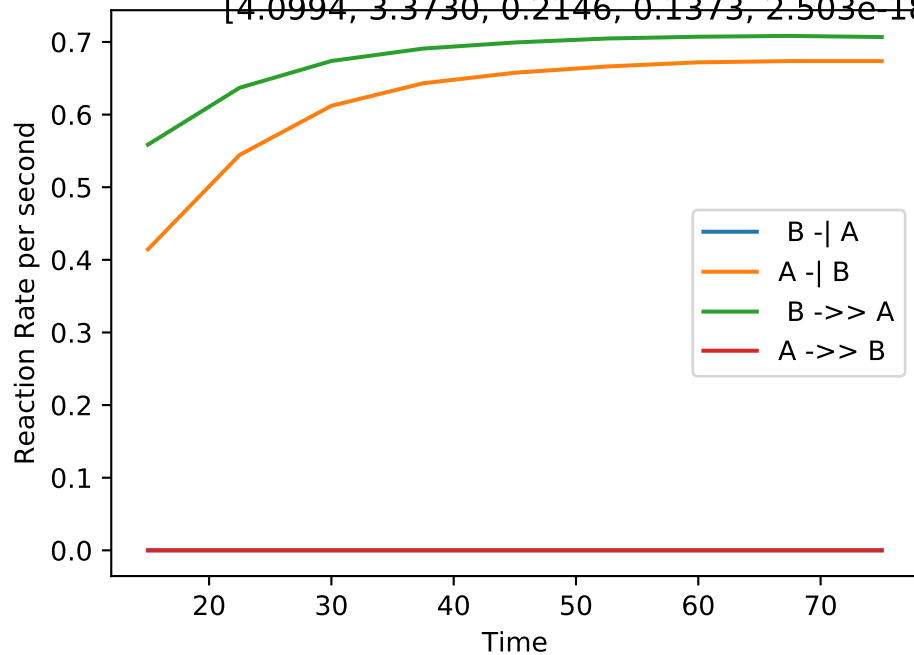
No_up | NLLA No_up(#319):

[3.9715, 3.9857, 0.1805, 0.1893, 2.056e-15, 4.461e-17, 0.0000, 0.0812, 0.0864, 0.0031]



No_up | NLLA No_up(#320):

[4.0994, 3.3730, 0.2146, 0.1373, 2.503e-18, 0.0004223, 0.0177, 0.0944, 0.0696, 0.0000]



No_up | NLLA No_up(#321):

[4.0439, 4.1265, 0.1840, 0.1935, 1.265e-19, 2.532e-13, 0.0000, 0.0830, 0.0872, 0.0026]

Reaction Rate per second

0.10
0.08
0.06
0.04
0.02
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.10
0.08
0.06
0.04
0.02
0.00

20

30

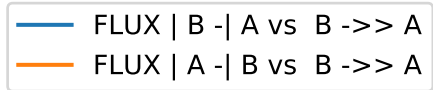
40

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60

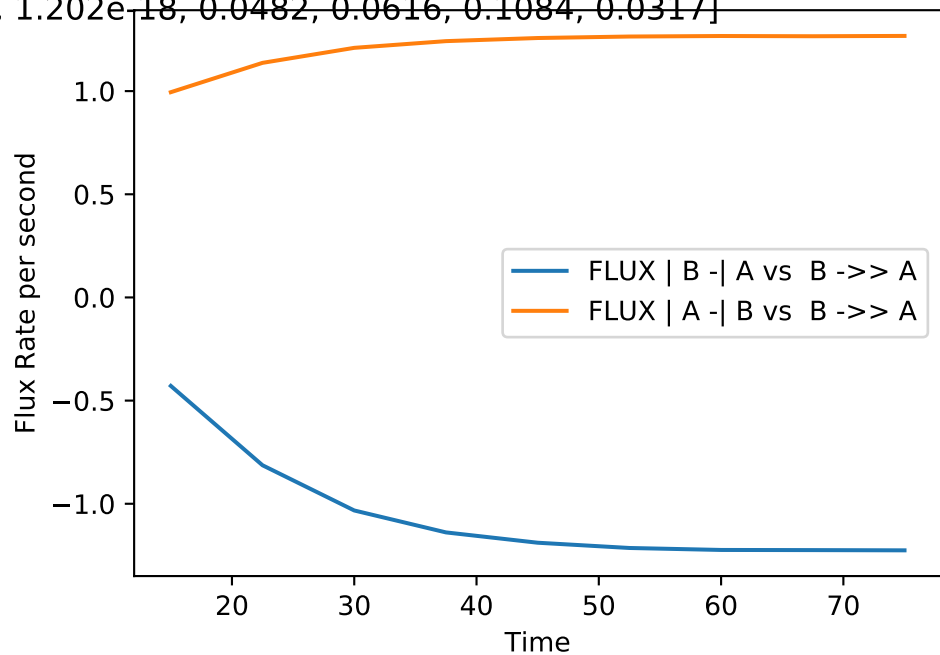
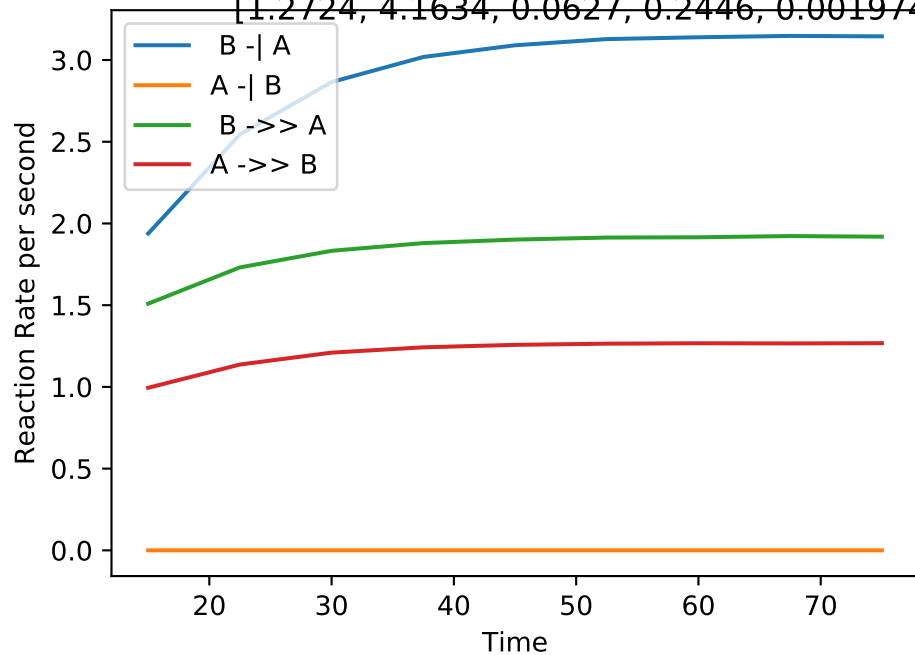
70

Time



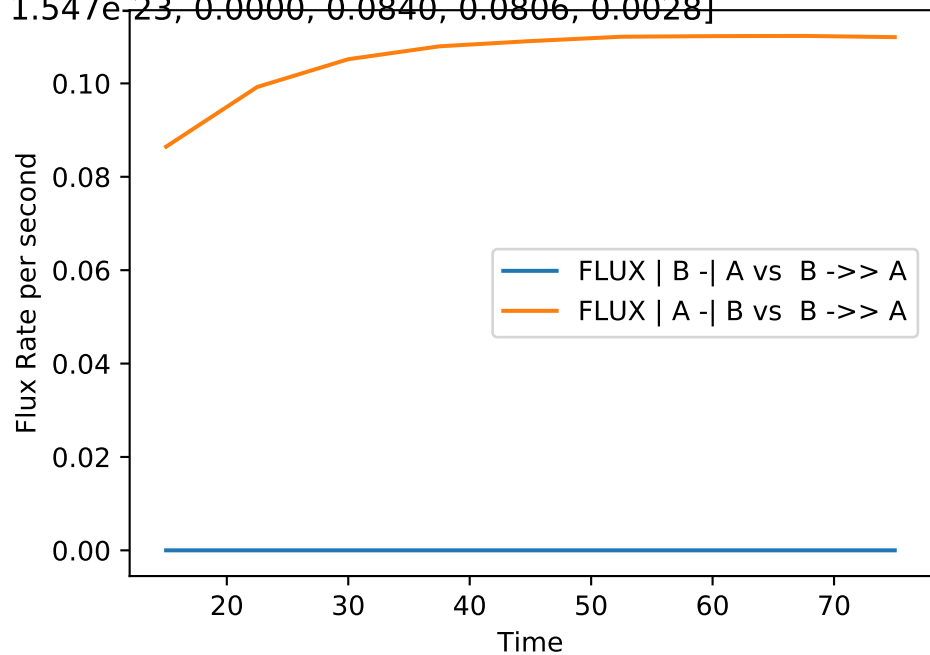
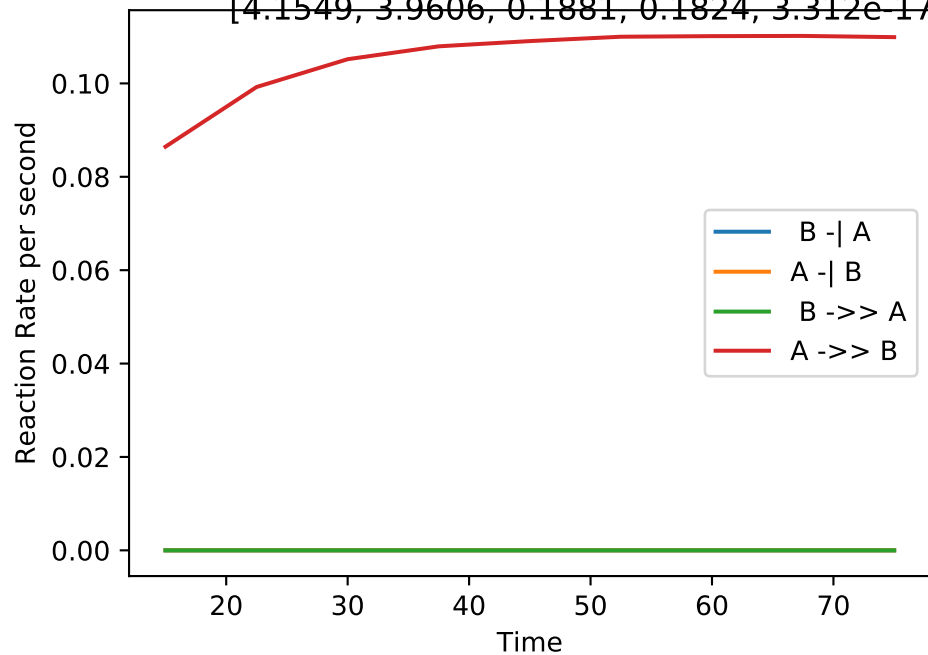
No_up | NLLA No_up(#322):

[1.2724, 4.1634, 0.0627, 0.2446, 0.001974, 1.202e-18, 0.0482, 0.0616, 0.1084, 0.0317]



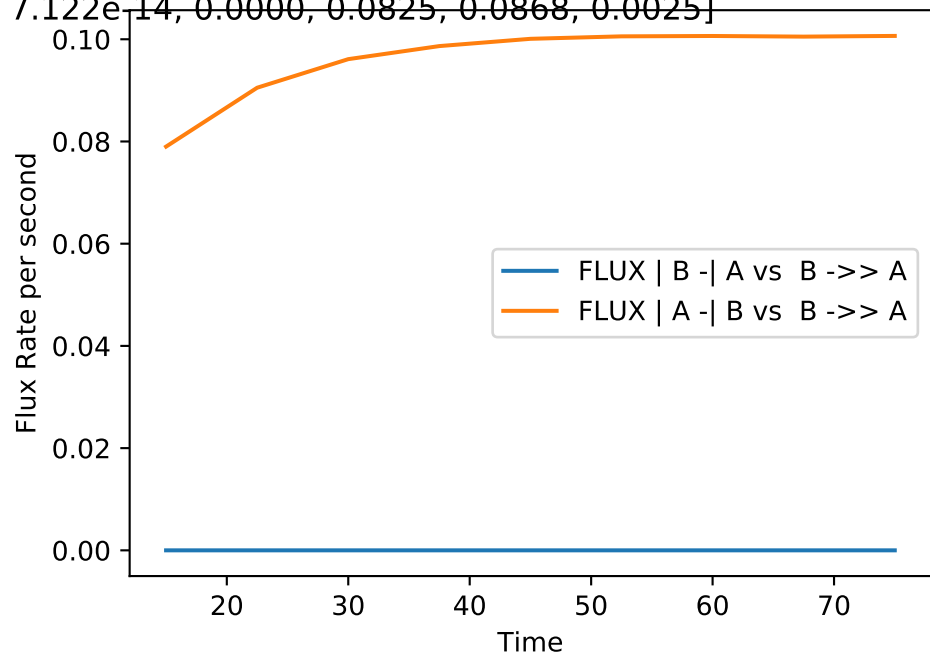
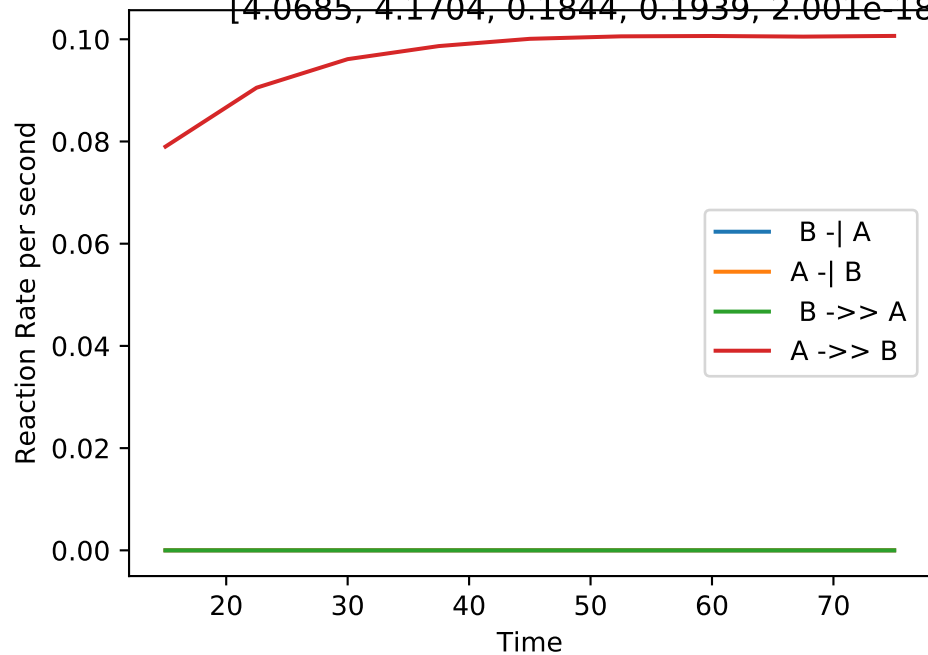
No_up | NLLA No_up(#323):

[4.1549, 3.9606, 0.1881, 0.1824, 3.312e-17, 1.547e-23, 0.0000, 0.0840, 0.0806, 0.0028]



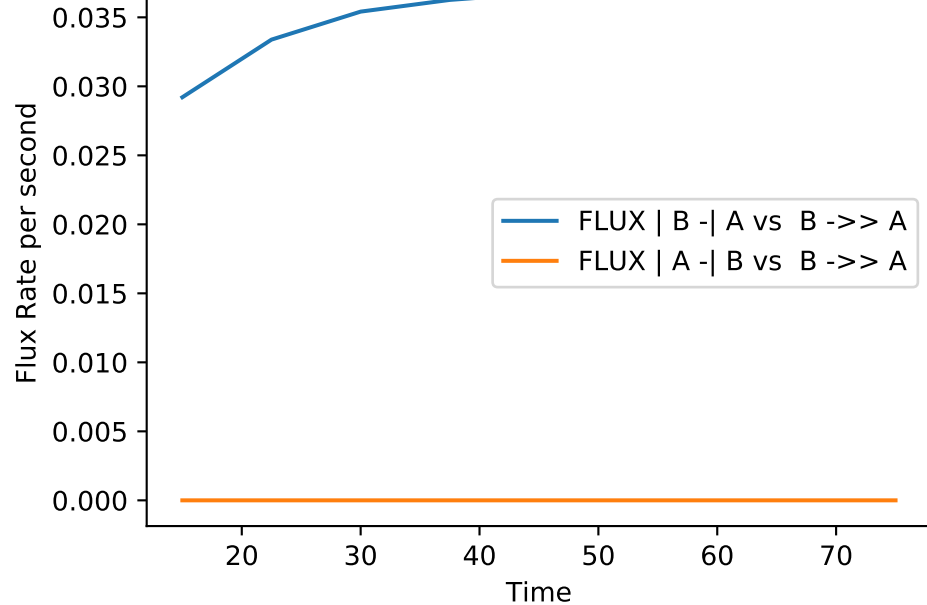
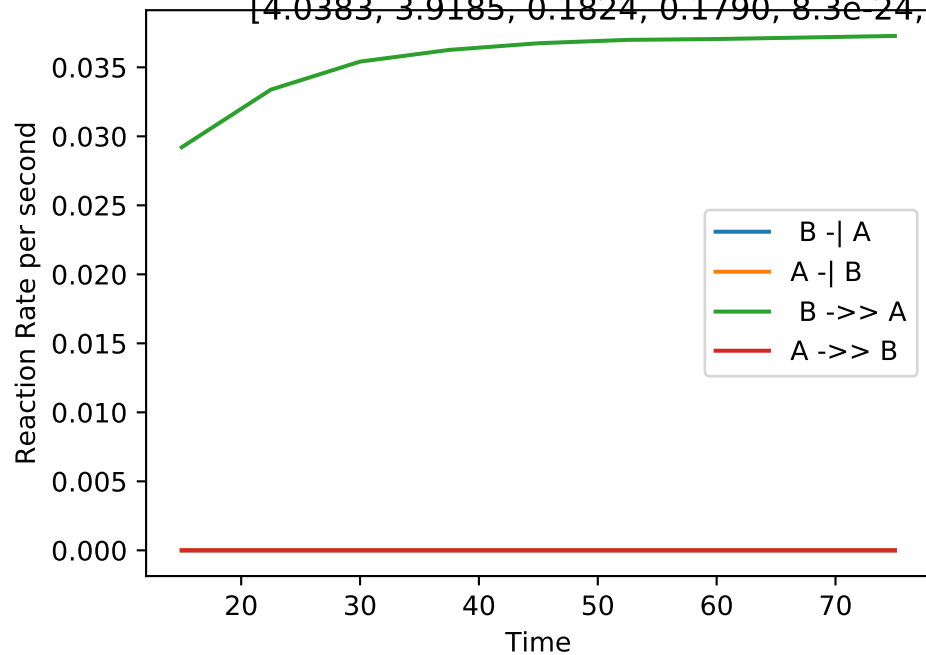
No_up | NLLA No_up(#324):

[4.0685, 4.1704, 0.1844, 0.1939, 2.001e-18, 7.122e-14, 0.0000, 0.0825, 0.0868, 0.0025]



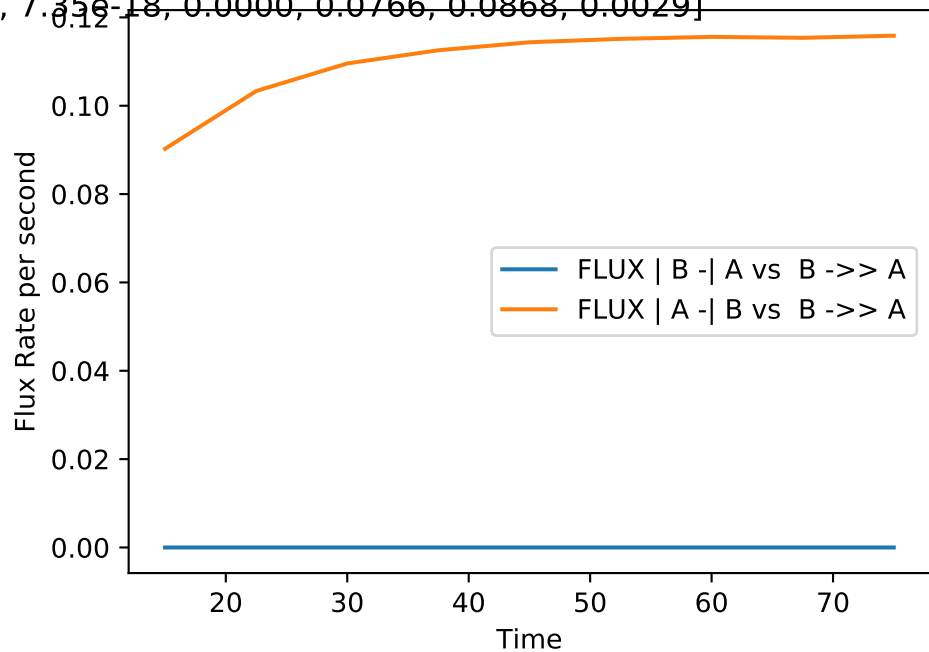
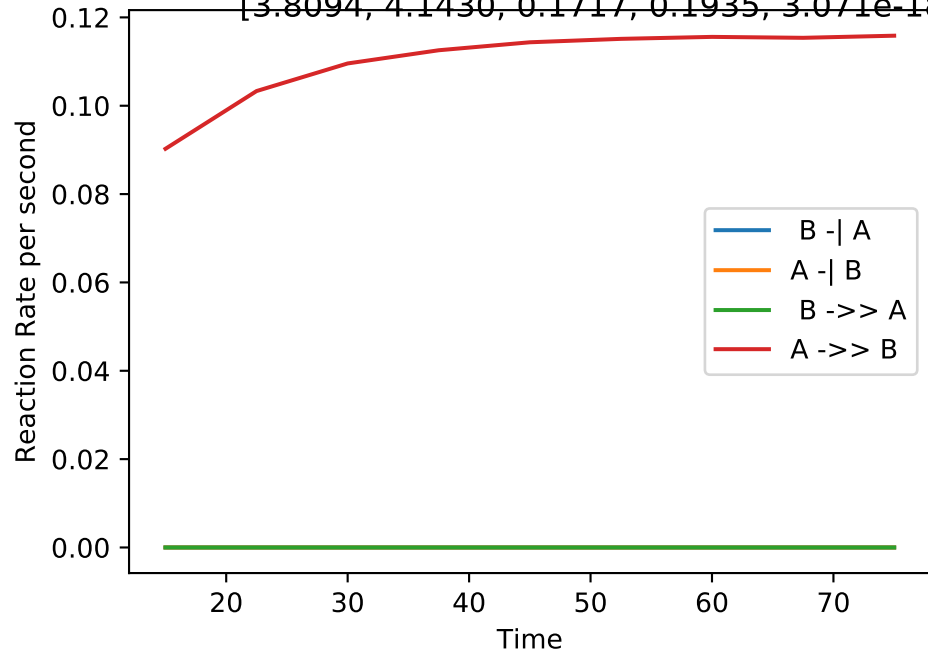
No_up | NLLA No_up(#325):

[4.0383, 3.9185, 0.1824, 0.1790, 8.3e-24, 9.104e-22, 0.0009, 0.0805, 0.0810, 0.0000]



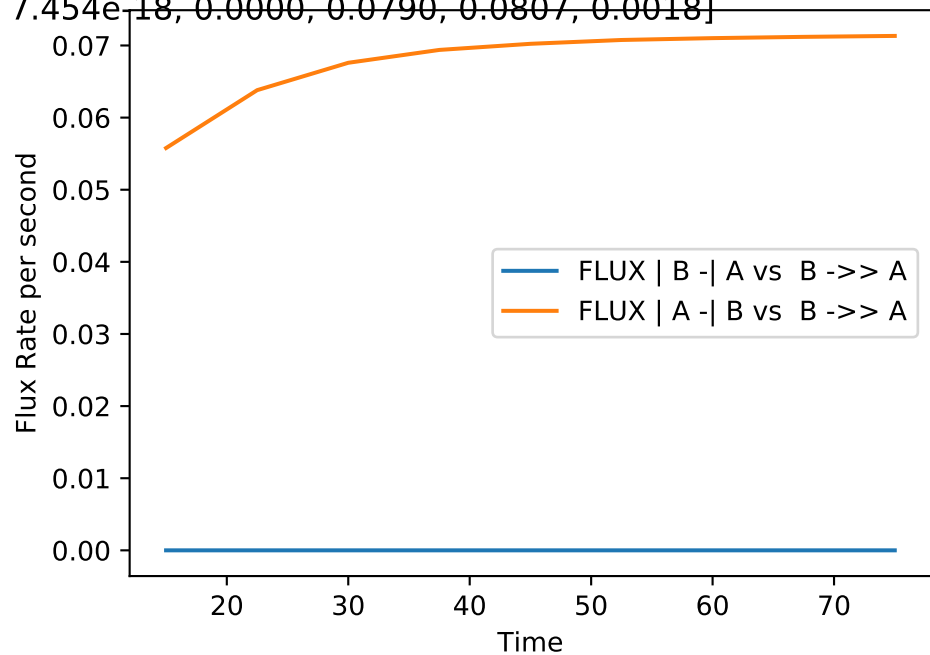
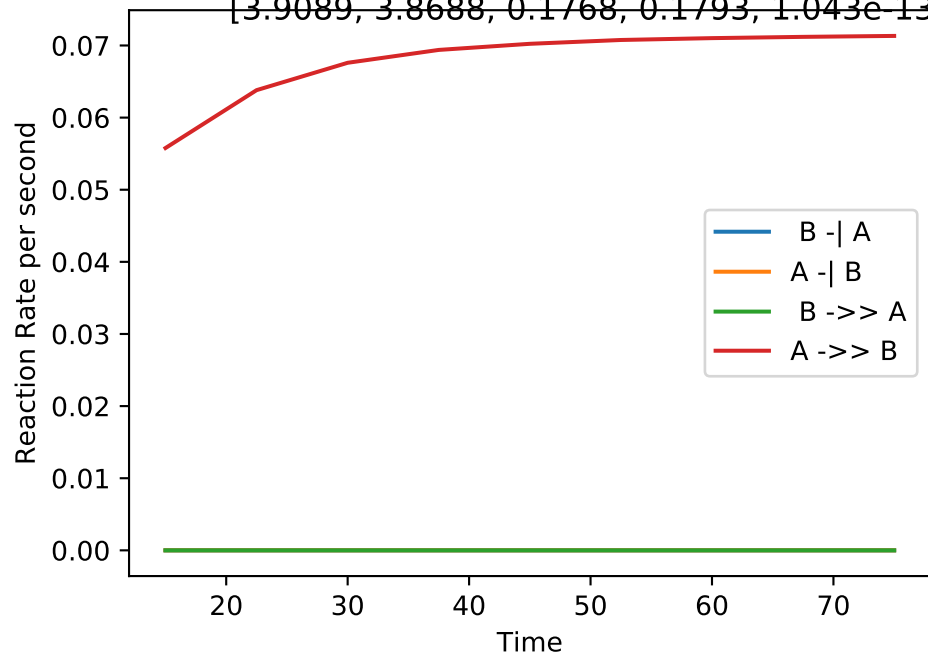
No_up | NLLA No_up(#326):

[3.8094, 4.1430, 0.1717, 0.1935, 3.071e-18, 7.35e-18, 0.0000, 0.0766, 0.0868, 0.0029]



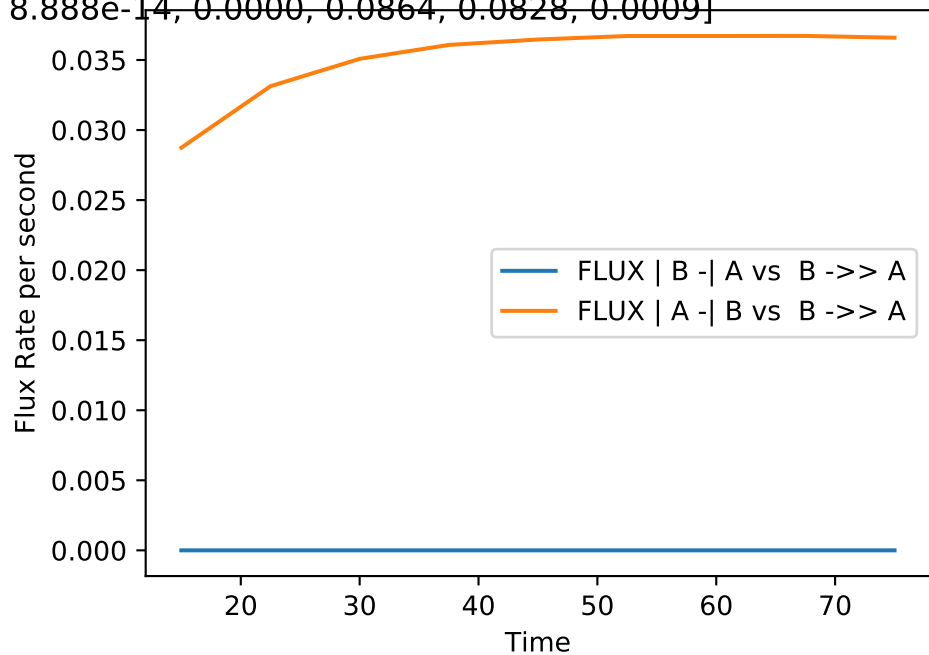
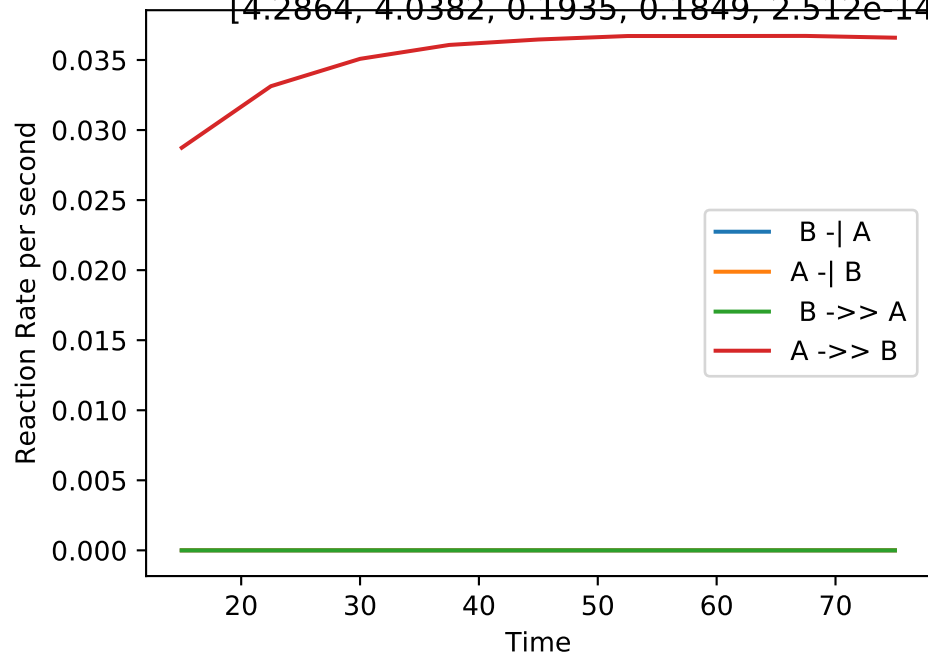
No_up | NLLA No_up(#327):

[3.9089, 3.8688, 0.1768, 0.1793, 1.043e-13, 7.454e-18, 0.0000, 0.0790, 0.0807, 0.0018]



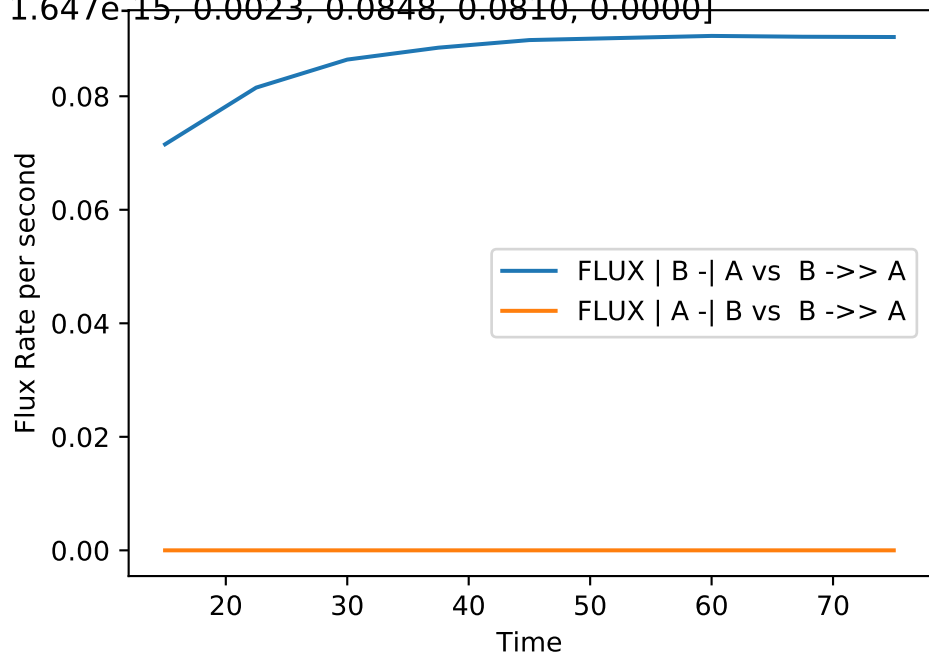
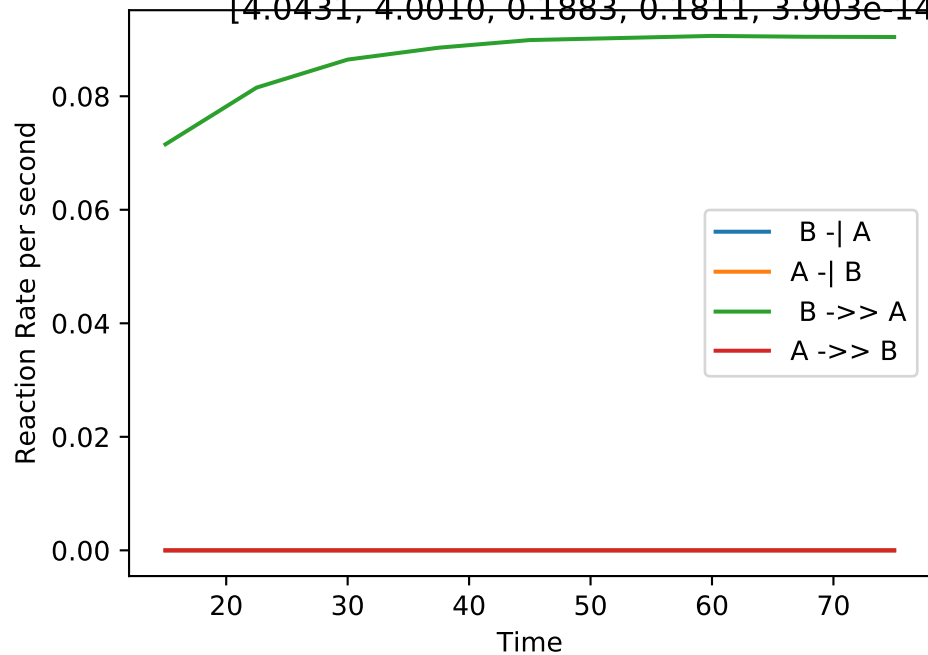
No_up | NLLA No_up(#328):

[4.2864, 4.0382, 0.1935, 0.1849, 2.512e-14, 8.888e-14, 0.0000, 0.0864, 0.0828, 0.0009]



No_up | NLLA No_up(#329):

[4.0431, 4.0010, 0.1883, 0.1811, 3.903e-14, 1.647e-15, 0.0023, 0.0848, 0.0810, 0.0000]



No_up | NLLA No_up(#330):

[3.9680, 4.0757, 0.1829, 0.1843, 5.188e-19, 2.196e-15, 0.0021, 0.0817, 0.0821, 0.0000]

Reaction Rate per second

0.08
0.06
0.04
0.02
0.00

20

30

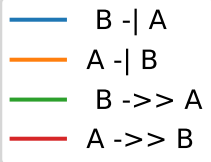
40

50

60

70

Time



Flux Rate per second

0.08
0.06
0.04
0.02
0.00

20

30

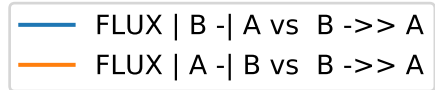
40

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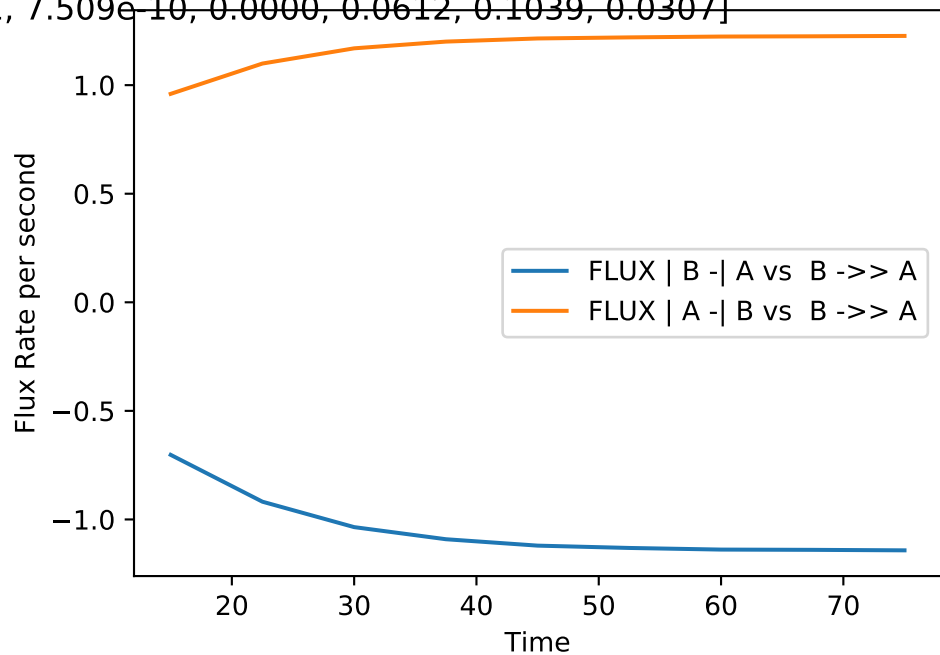
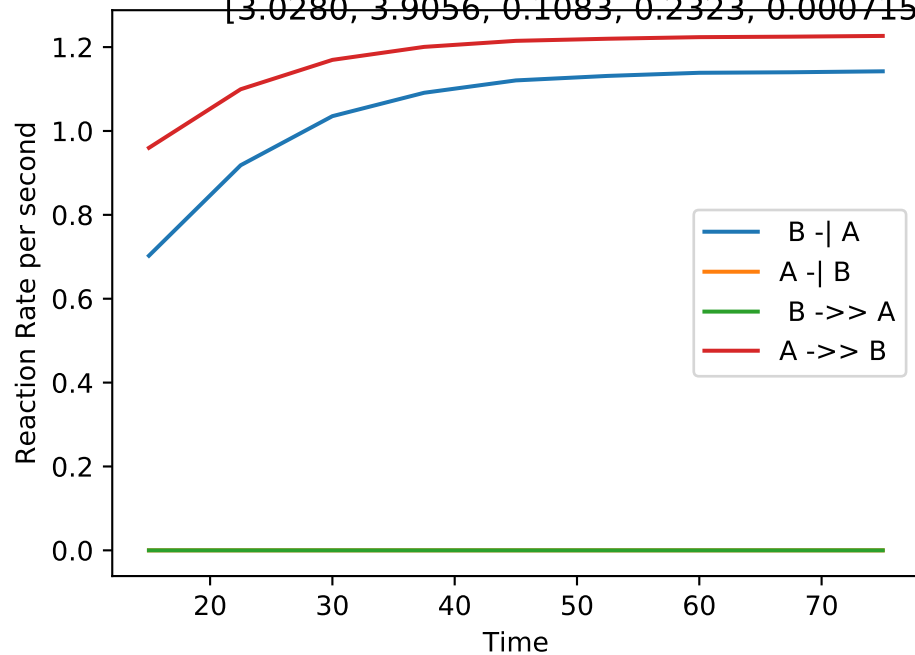
70

Time



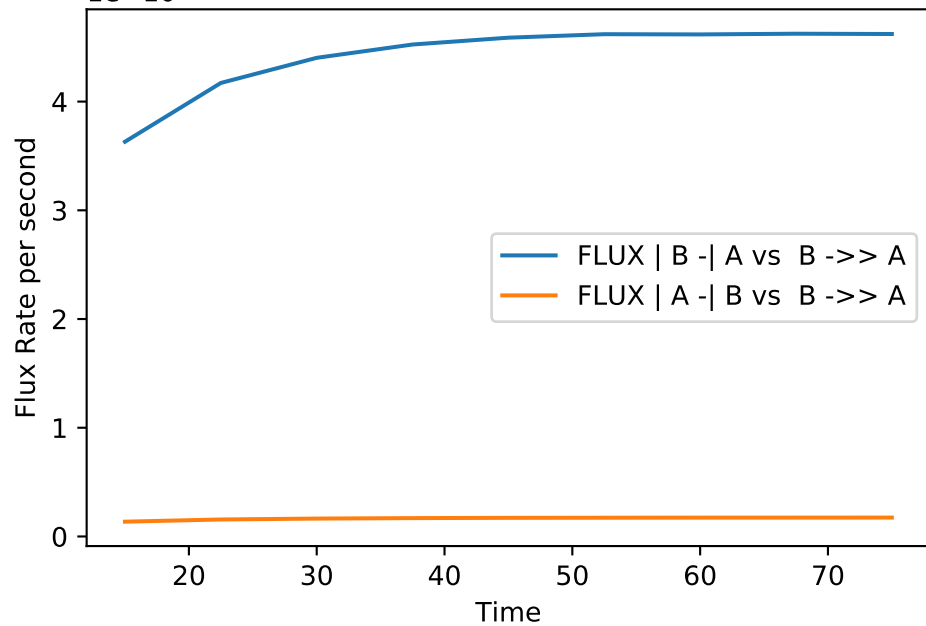
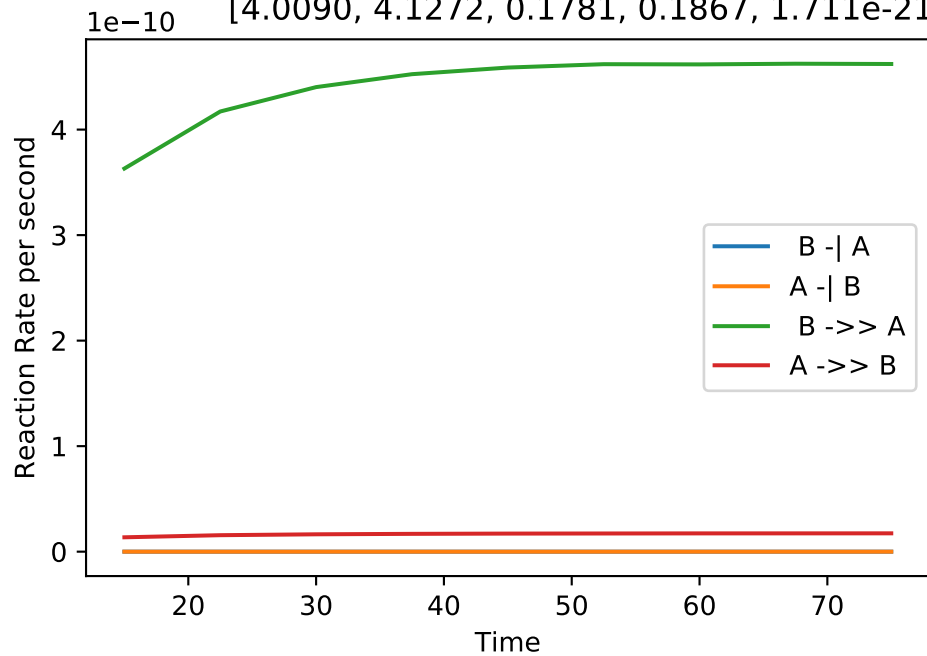
No_up | NLLA No_up(#331):

[3.0280, 3.9056, 0.1083, 0.2323, 0.0007151, 7.509e-10, 0.0000, 0.0612, 0.1039, 0.0307]



No_up | NLLA No_up(#332):

[4.0090, 4.1272, 0.1781, 0.1867, 1.711e-21, 3.106e-25, 0.0000, 0.0779, 0.0834, 0.0000]



No_up | NLLA No_up(#333):

[4.0972, 4.1204, 0.1854, 0.1898, 3.209e-13, 3.496e-13, 0.0000, 0.0828, 0.0854, 0.0011]

Reaction Rate per second

0.04
0.03
0.02
0.01
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.04
0.03
0.02
0.01
0.00

20

30

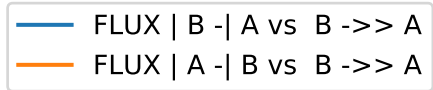
40

50

60

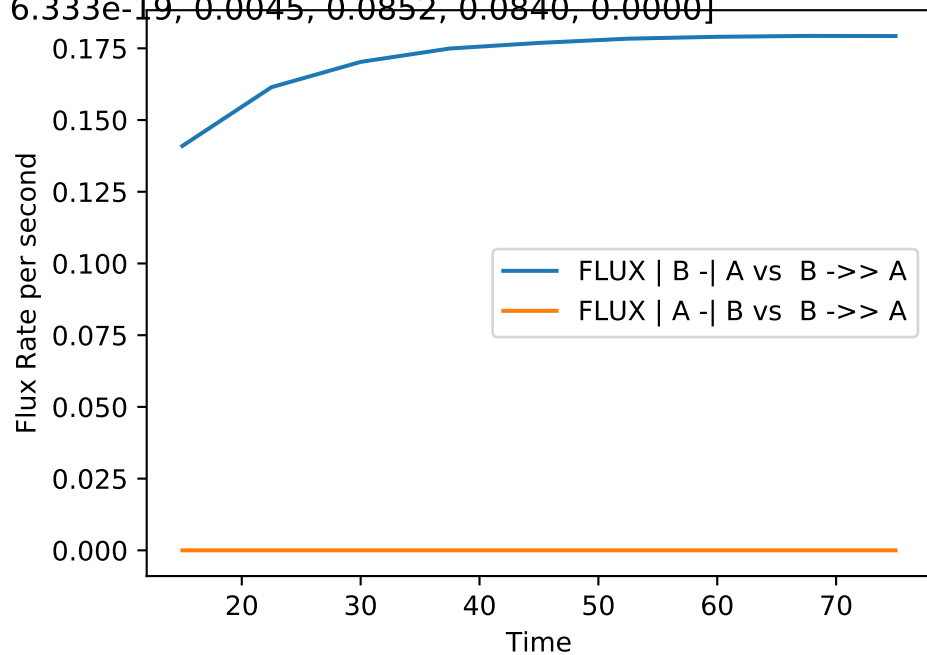
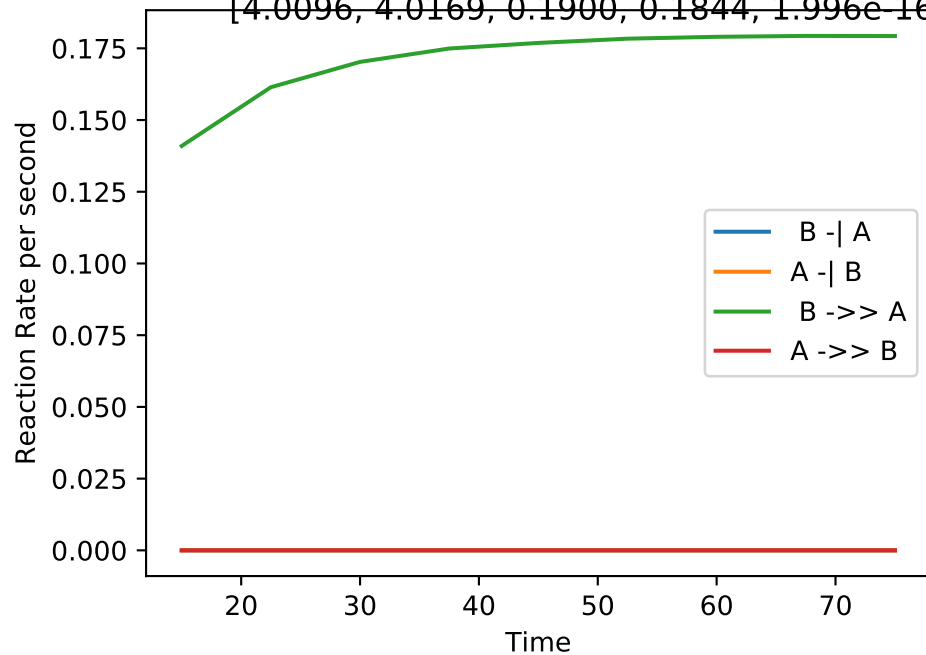
70

Time



No_up | NLLA No_up(#334):

[4.0096, 4.0169, 0.1900, 0.1844, 1.996e-16, 6.333e-19, 0.0045, 0.0852, 0.0840, 0.0000]



No_up | NLLA No_up(#335):

[3.7596, 4.1656, 0.1700, 0.1868, 3.696e-23, 2.598e-05, 0.0000, 0.0762, 0.0834, 0.0000]

Reaction Rate per second

0.04
0.03
0.02
0.01
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.00
-0.01
-0.02
-0.03
-0.04

20

30

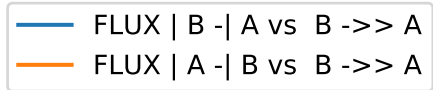
40

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60

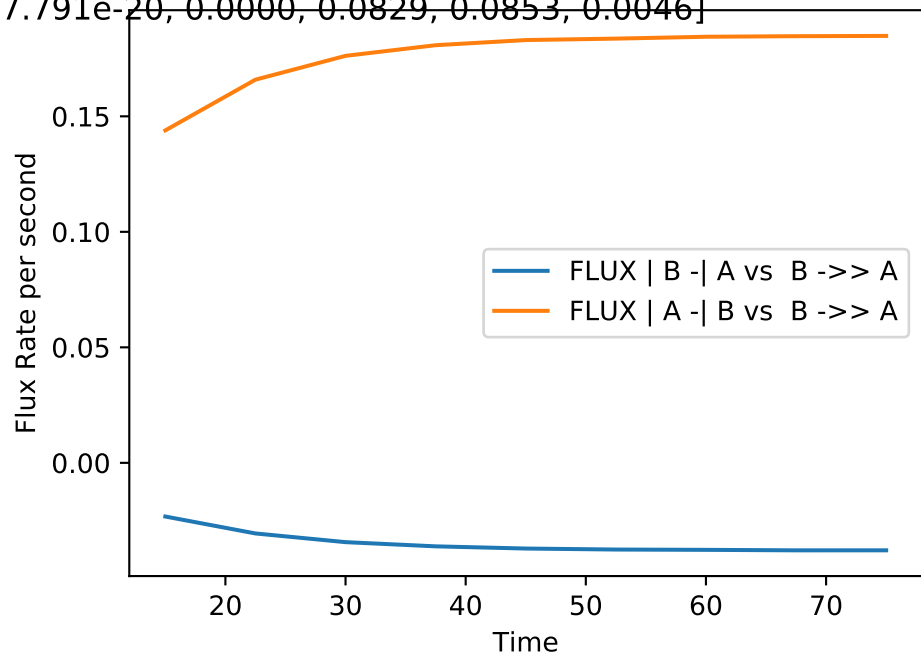
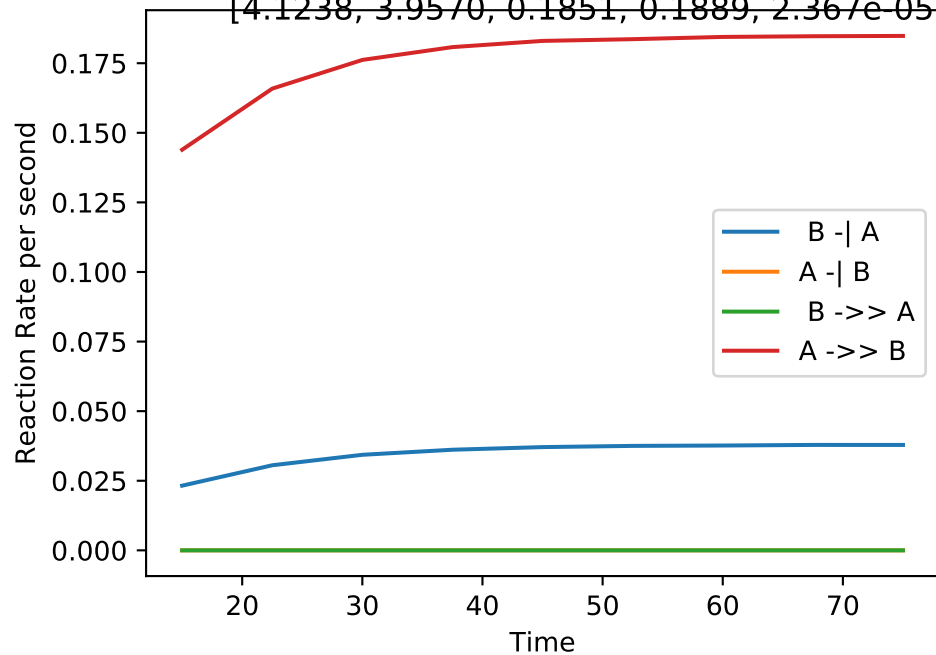
70

Time



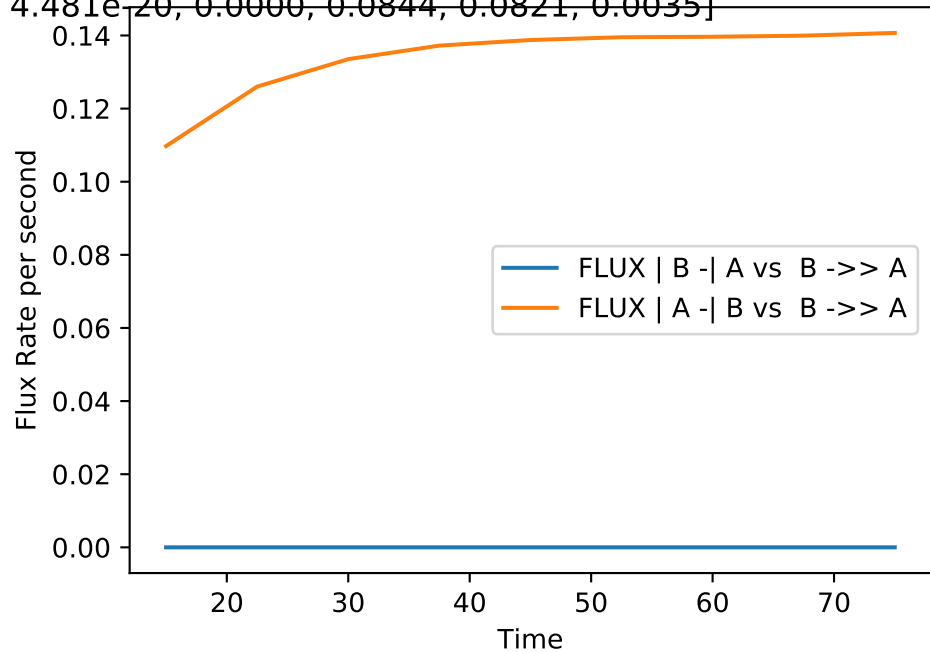
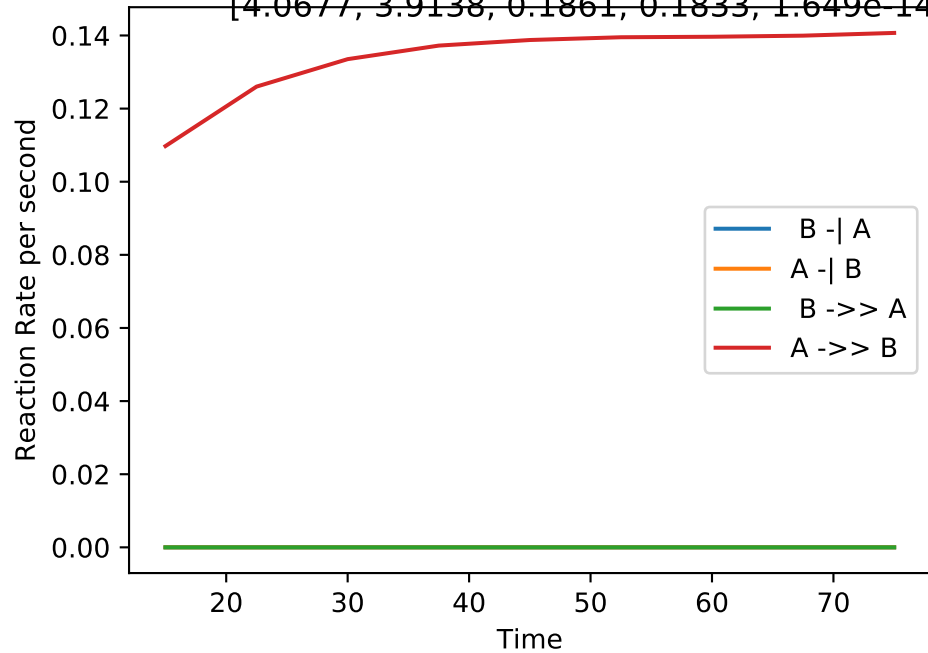
No_up | NLLA No_up(#336):

[4.1238, 3.9570, 0.1851, 0.1889, 2.367e-05, 7.791e-20, 0.0000, 0.0829, 0.0853, 0.0046]



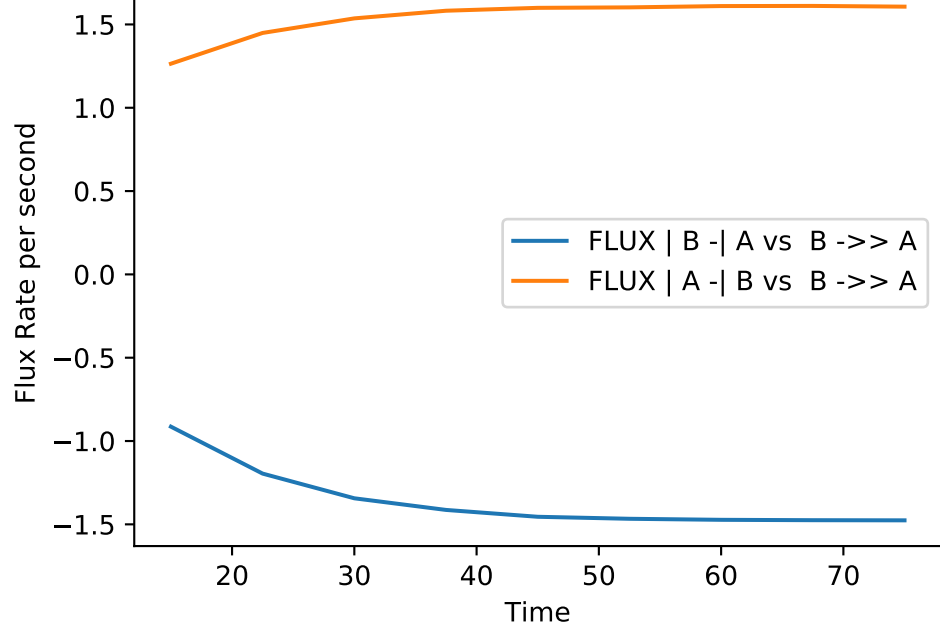
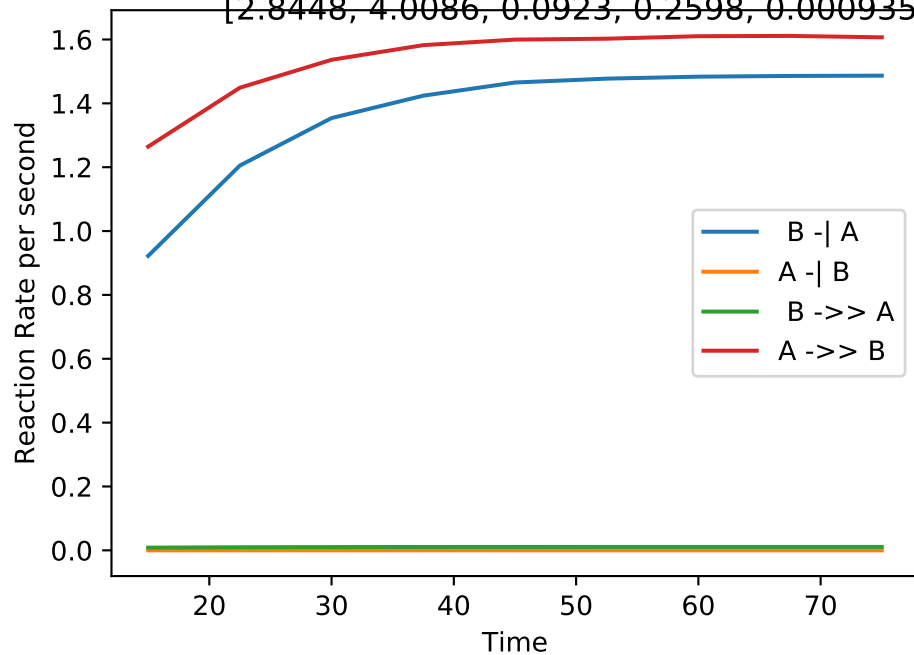
No_up | NLLA No_up(#337):

[4.0677, 3.9138, 0.1861, 0.1833, 1.649e-14, 4.481e-20, 0.0000, 0.0844, 0.0821, 0.0035]



No_up | NLLA No_up(#338):

[2.8448, 4.0086, 0.0923, 0.2598, 0.0009351, 1.831e-09, 0.0003, 0.0580, 0.1187, 0.0403]



No_up | NLLA No_up(#339):

[3.9605, 4.1378, 0.1802, 0.1994, 2.56e-18, 5.669e-20, 0.0000, 0.0812, 0.0905, 0.0053]

Reaction Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

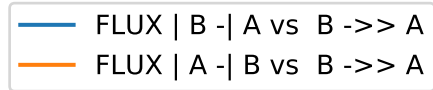
40

50

60

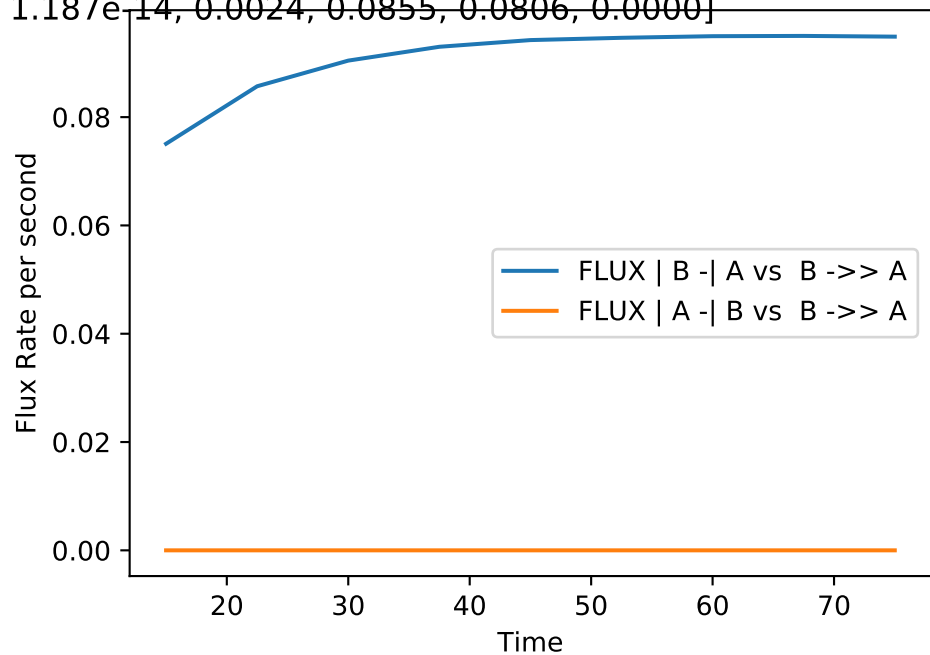
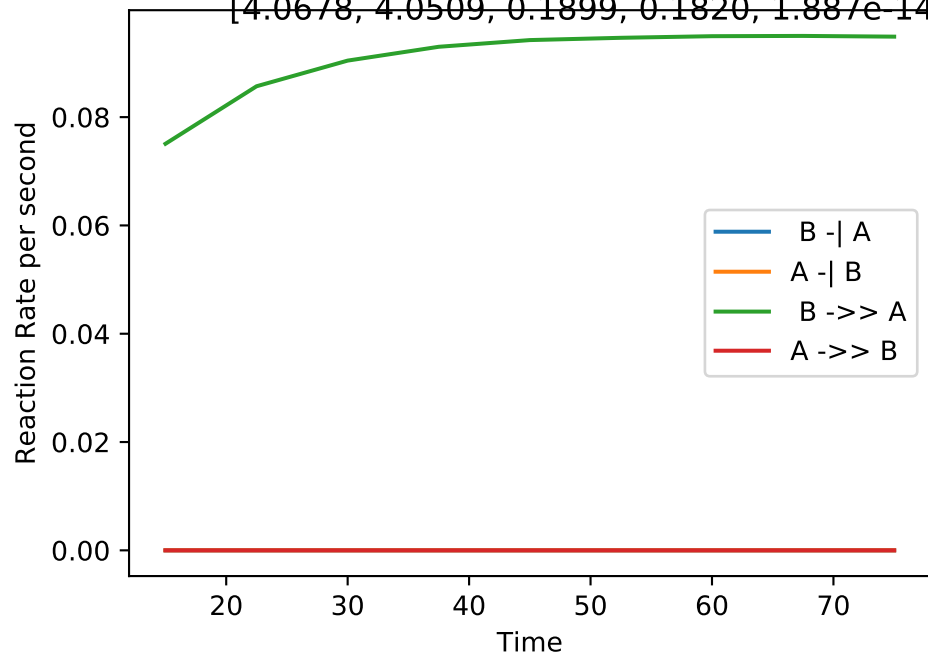
70

Time



No_up | NLLA No_up(#340):

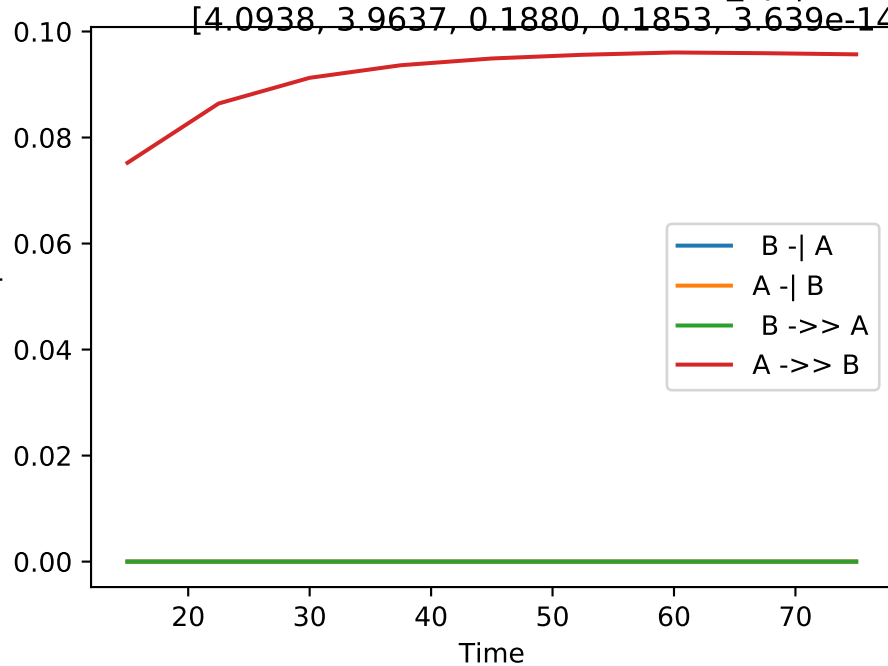
[4.0678, 4.0509, 0.1899, 0.1820, 1.887e-14, 1.187e-14, 0.0024, 0.0855, 0.0806, 0.0000]



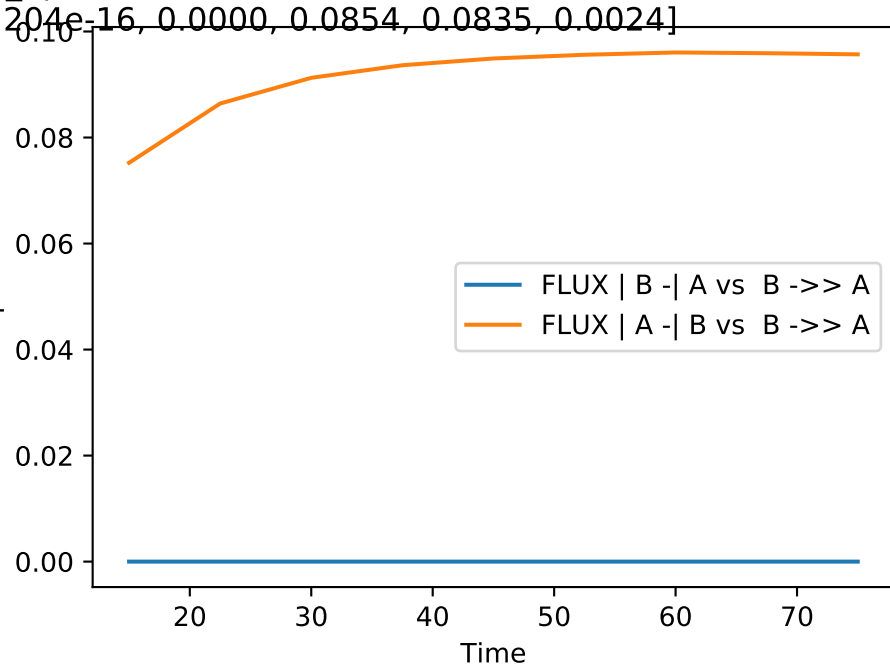
No_up | NLLA No_up(#341):

[4.0938, 3.9637, 0.1880, 0.1853, 3.639e-14, 4.204e-16, 0.0000, 0.0854, 0.0835, 0.0024]

Reaction Rate per second

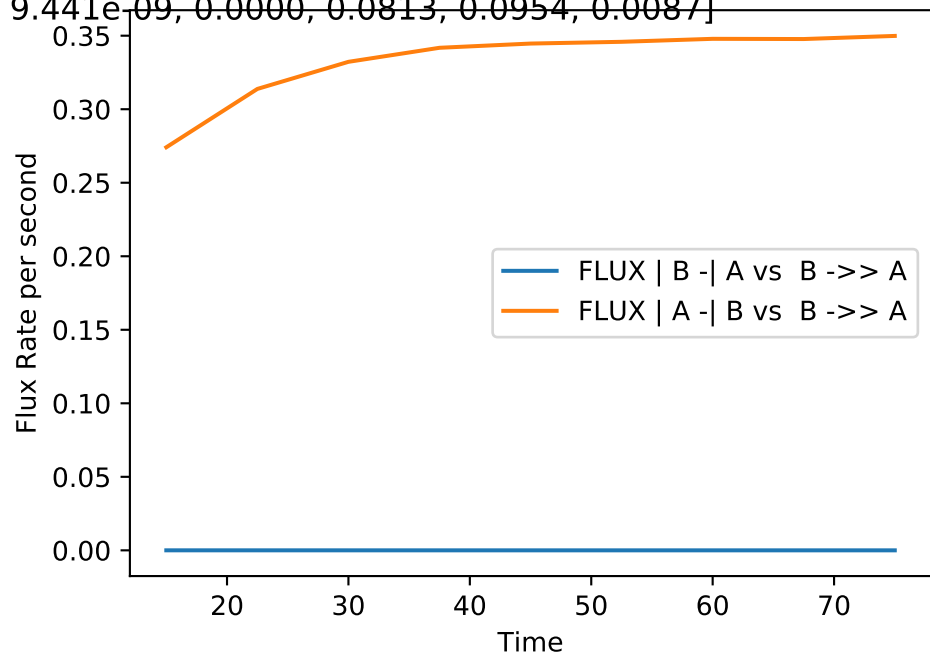
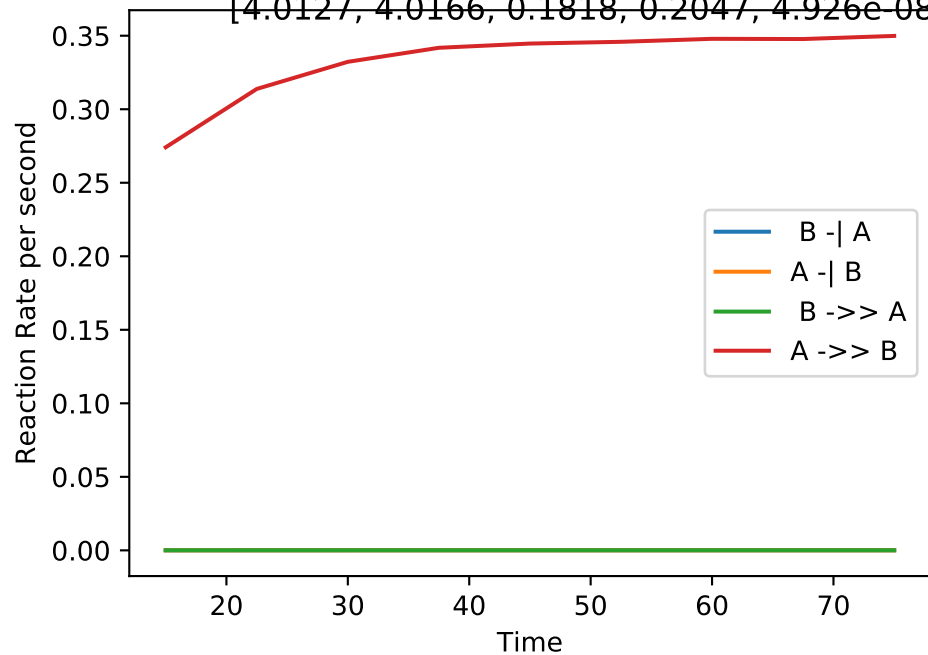


Flux Rate per second



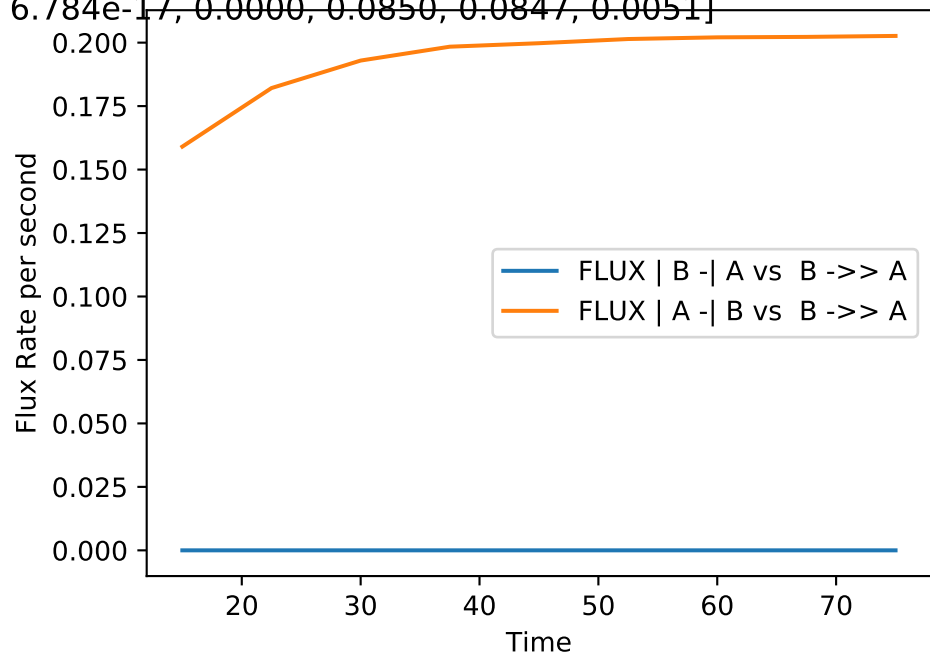
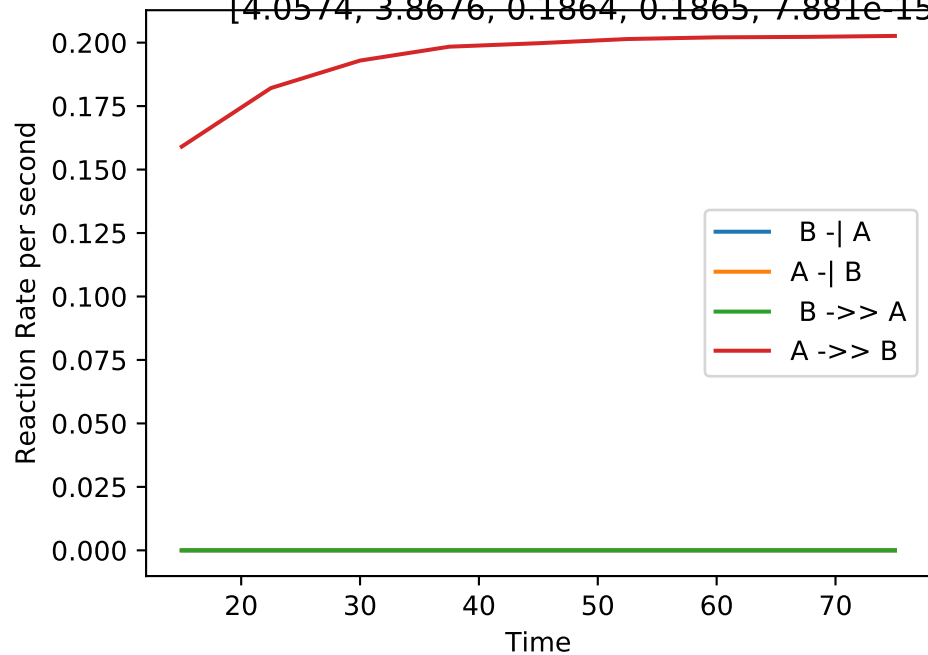
No_up | NLLA No_up(#342):

[4.0127, 4.0166, 0.1818, 0.2047, 4.926e-08, 9.441e-09, 0.0000, 0.0813, 0.0954, 0.0087]



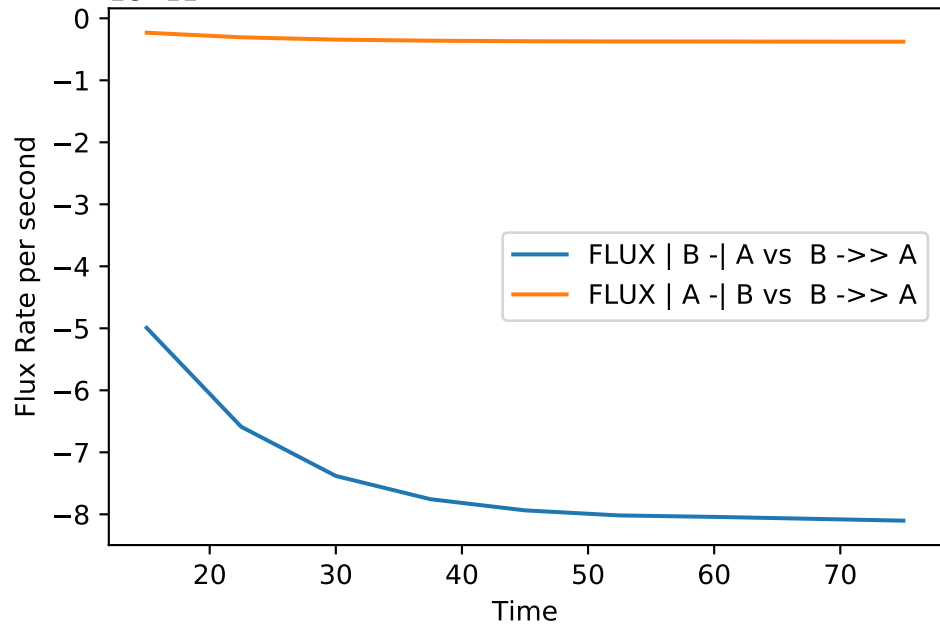
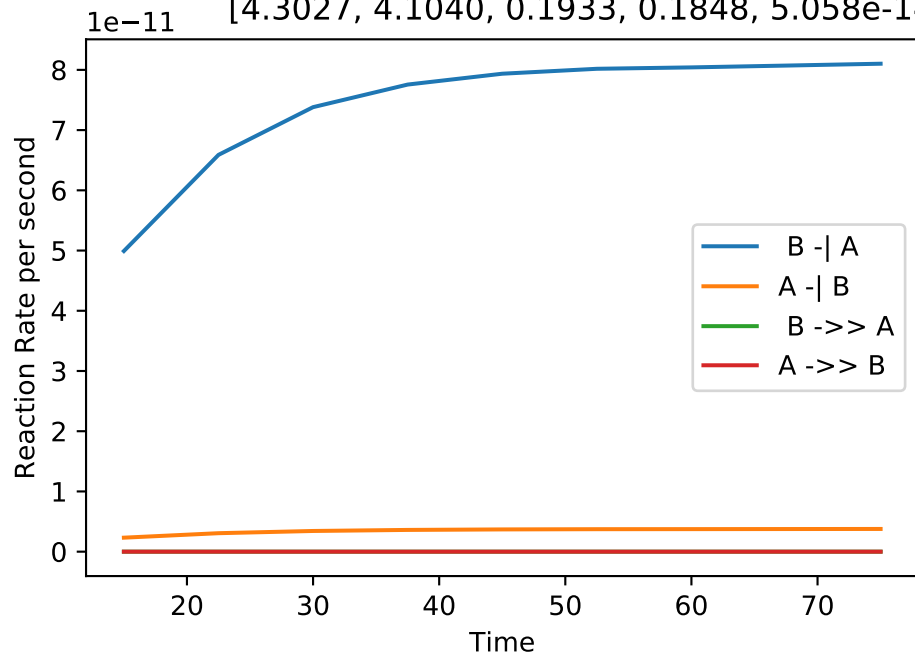
No_up | NLLA No_up(#343):

[4.0574, 3.8676, 0.1864, 0.1865, 7.881e-15, 6.784e-17, 0.0000, 0.0850, 0.0847, 0.0051]



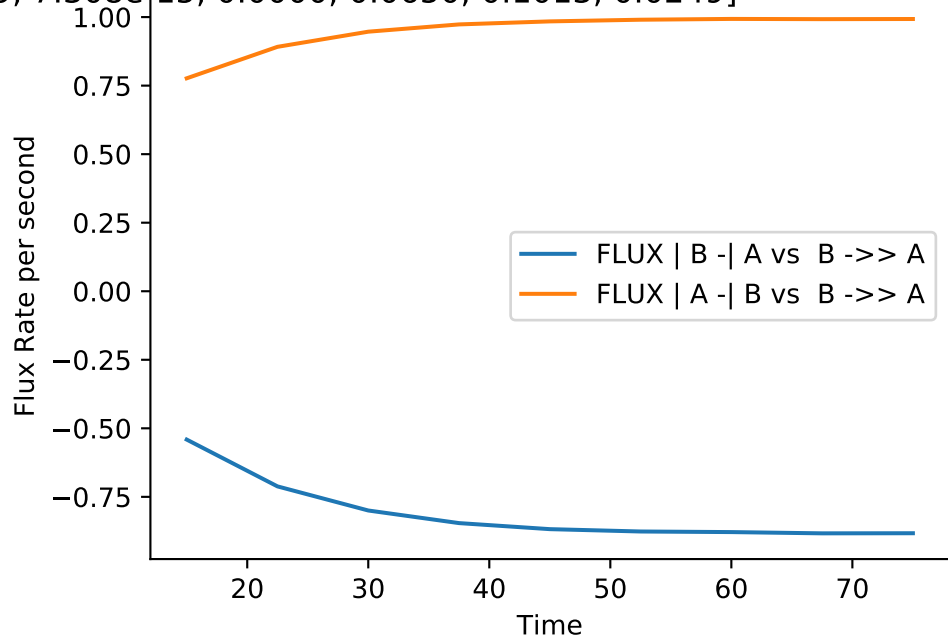
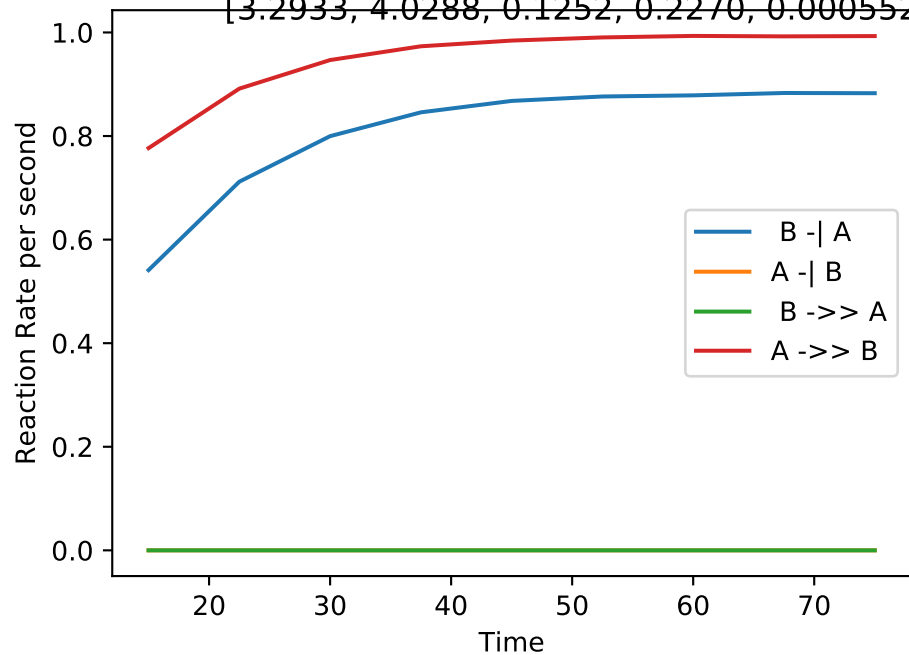
No_up | NLLA No_up(#344):

[4.3027, 4.1040, 0.1933, 0.1848, 5.058e-14, 2.355e-15, 0.0000, 0.0857, 0.0821, 0.0000]



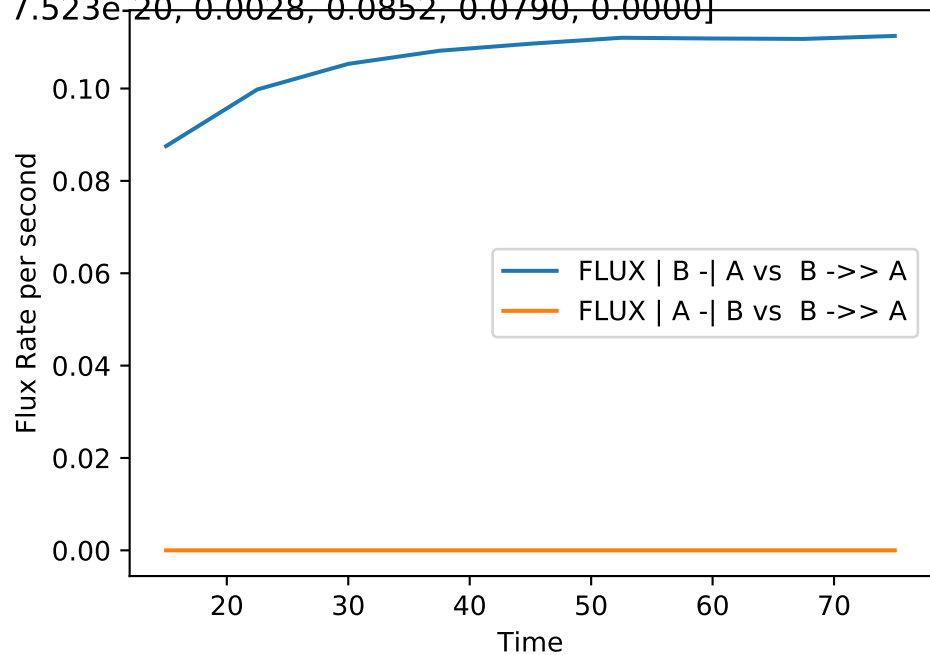
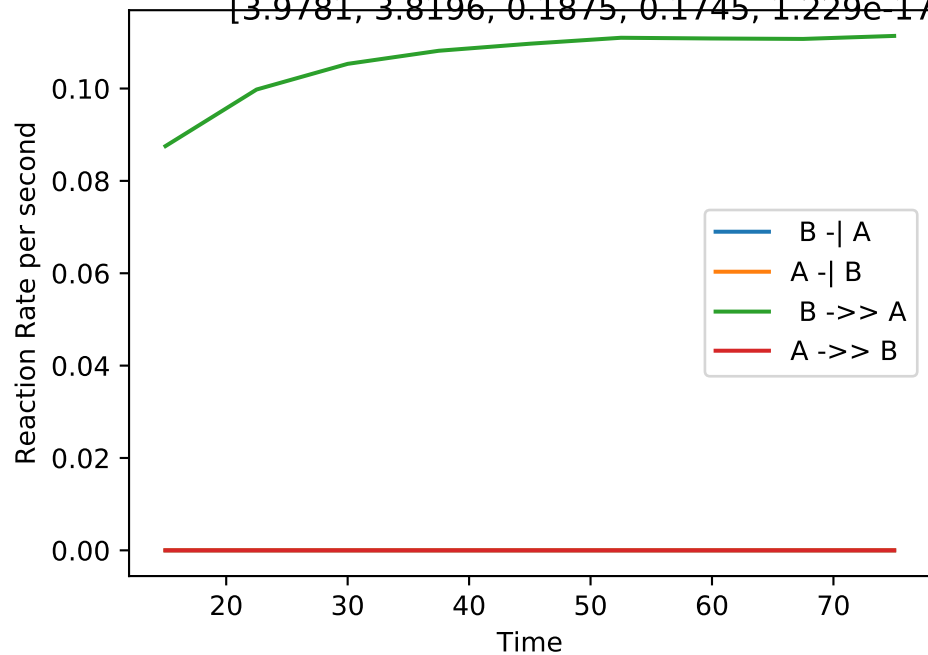
No_up | NLLA No_up(#345):

[3.2933, 4.0288, 0.1252, 0.2270, 0.0005529, 7.308e-15, 0.0000, 0.0650, 0.1013, 0.0249]



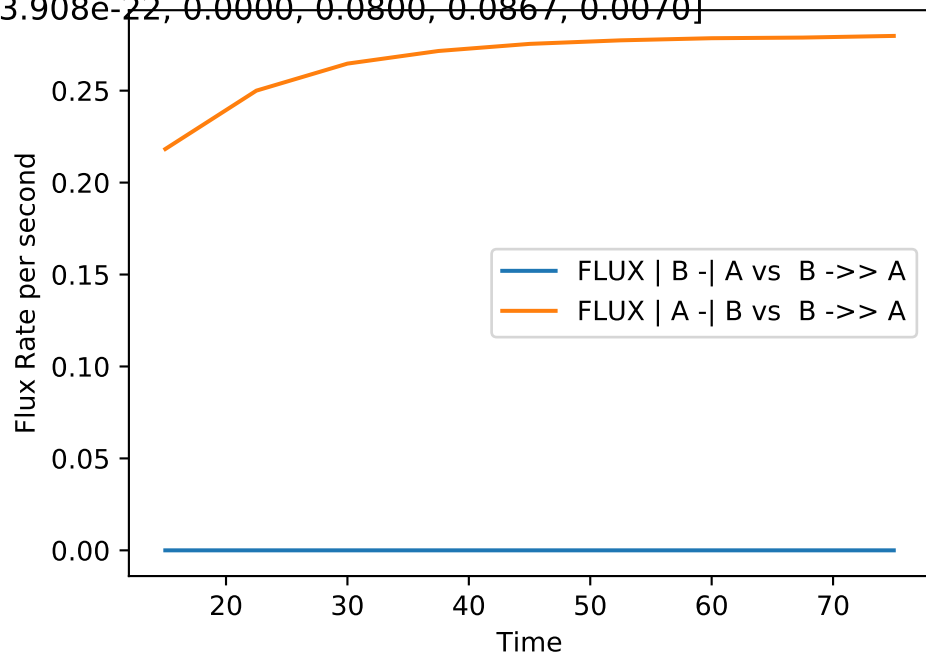
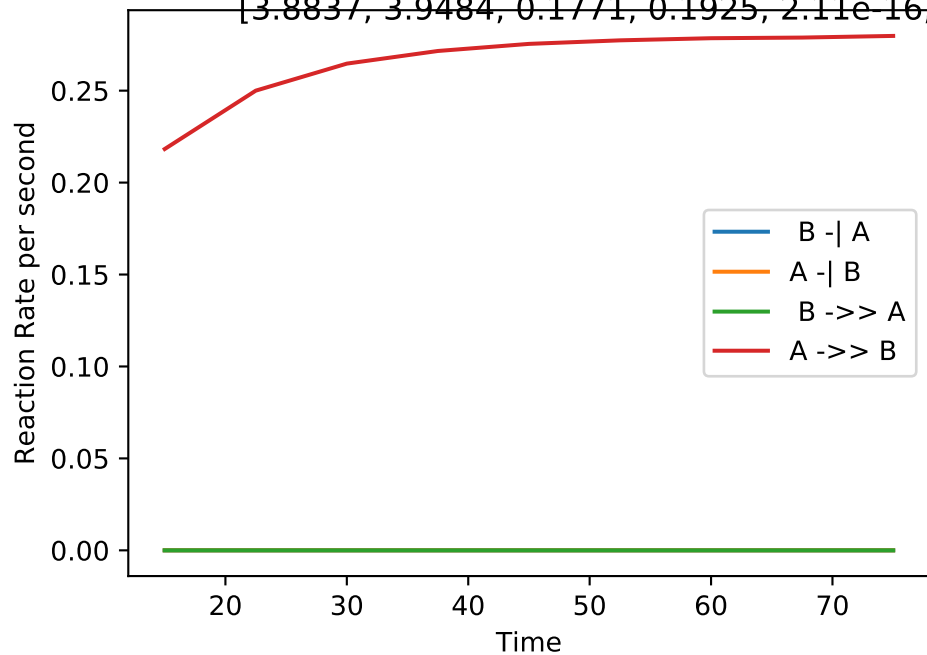
No_up | NLLA No_up(#346):

[3.9781, 3.8196, 0.1875, 0.1745, 1.229e-17, 7.523e-20, 0.0028, 0.0852, 0.0790, 0.0000]



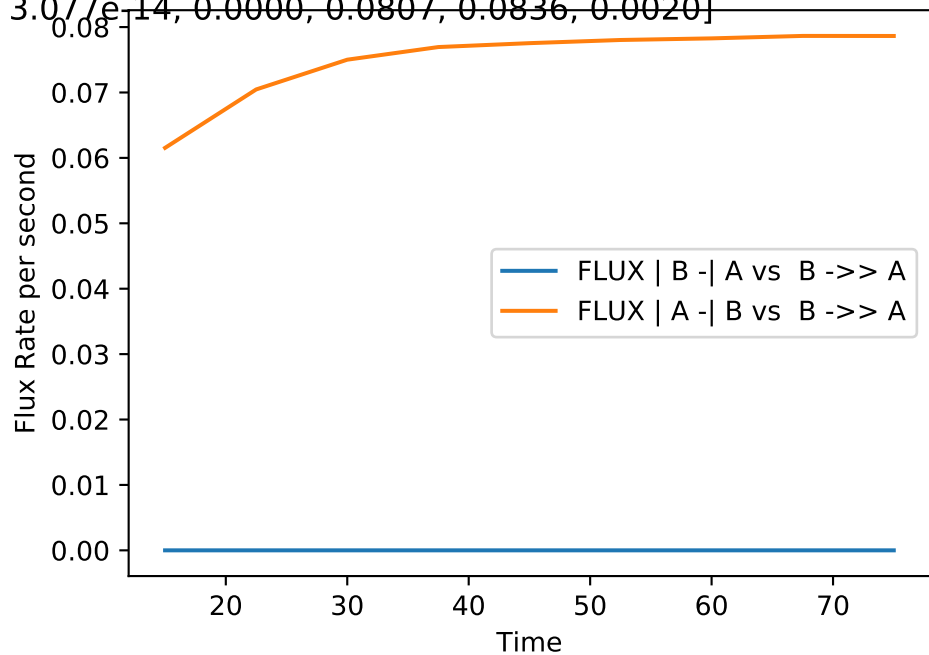
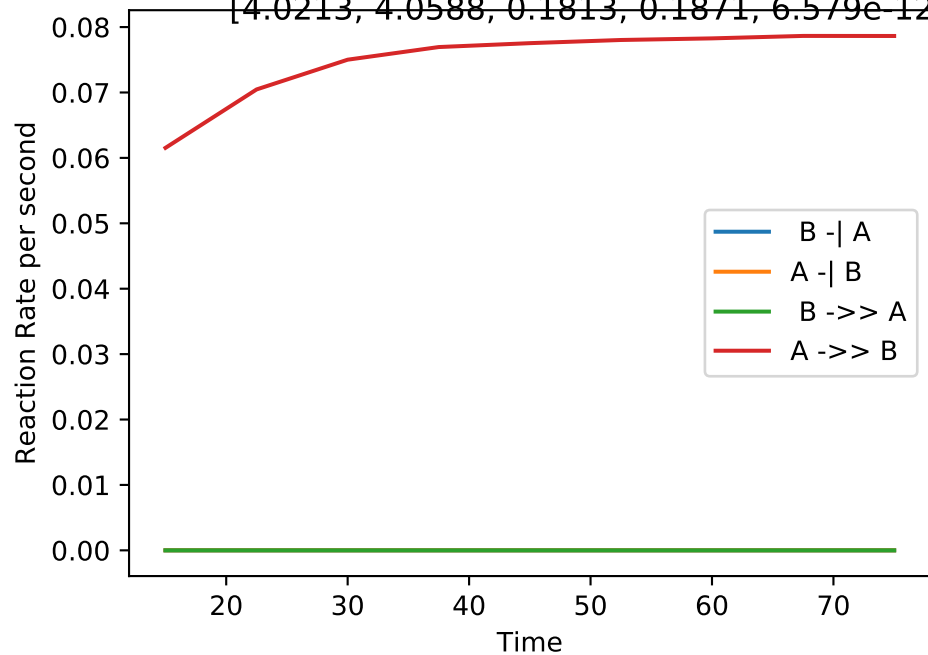
No_up | NLLA No_up(#347):

[3.8837, 3.9484, 0.1771, 0.1925, 2.11e-16, 3.908e-22, 0.0000, 0.0800, 0.0867, 0.0070]



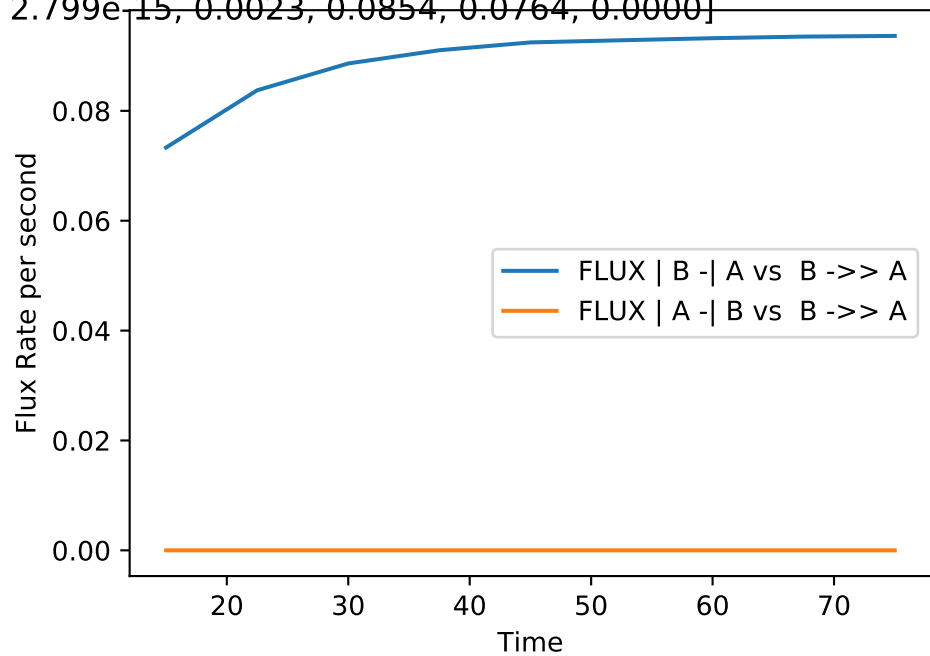
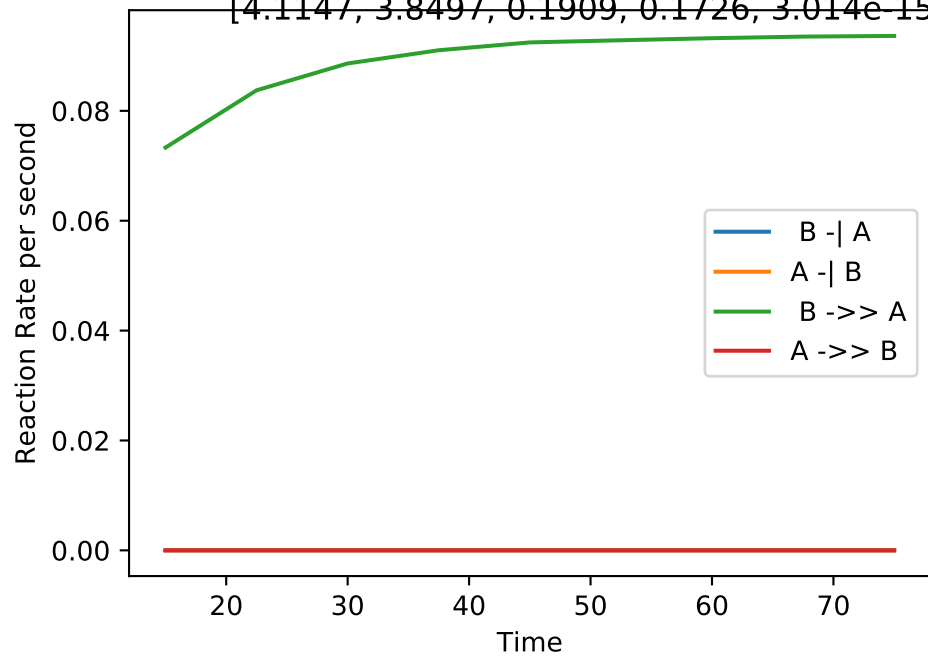
No_up | NLLA No_up(#348):

[4.0213, 4.0588, 0.1813, 0.1871, 6.579e-12, 3.077e-14, 0.0000, 0.0807, 0.0836, 0.0020]



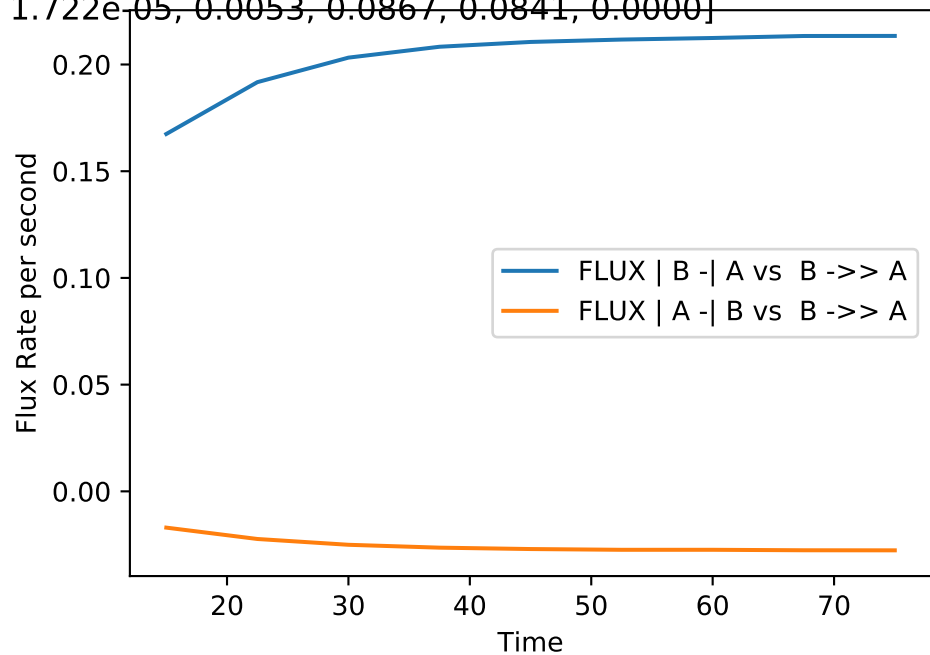
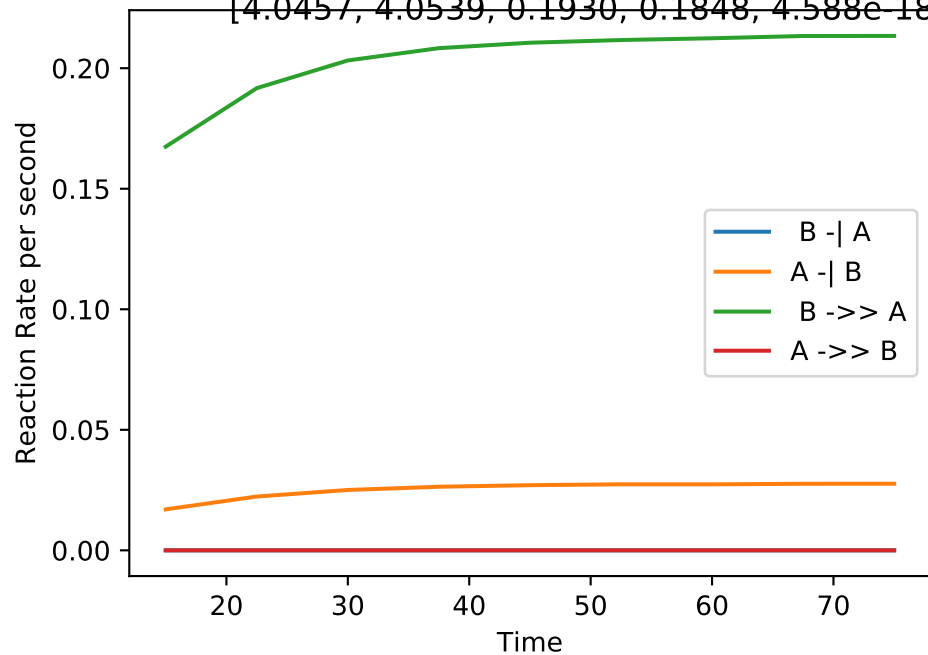
No_up | NLLA No_up(#349):

[4.1147, 3.8497, 0.1909, 0.1726, 3.014e-15, 2.799e-15, 0.0023, 0.0854, 0.0764, 0.0000]



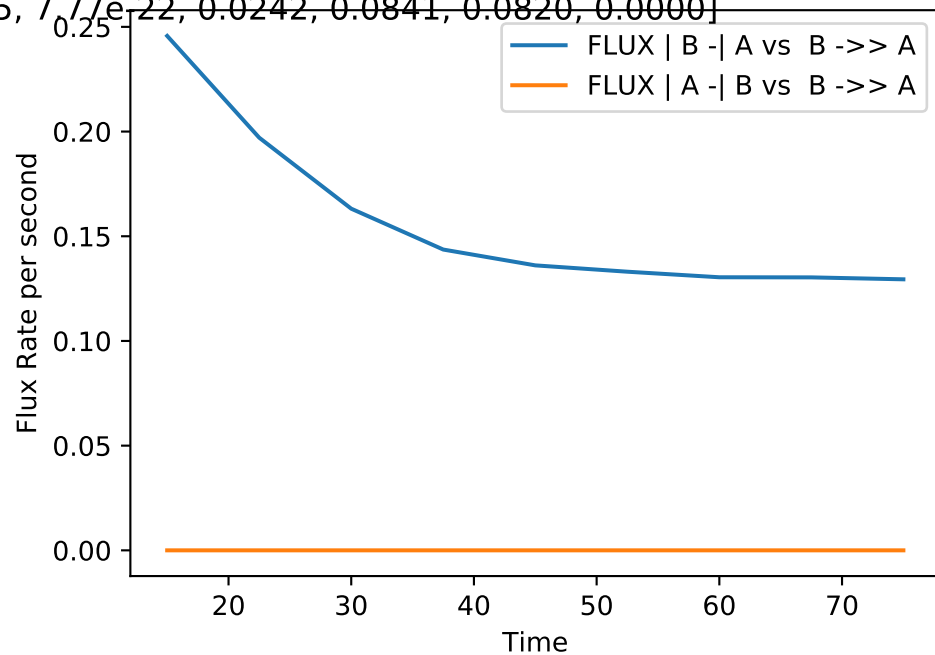
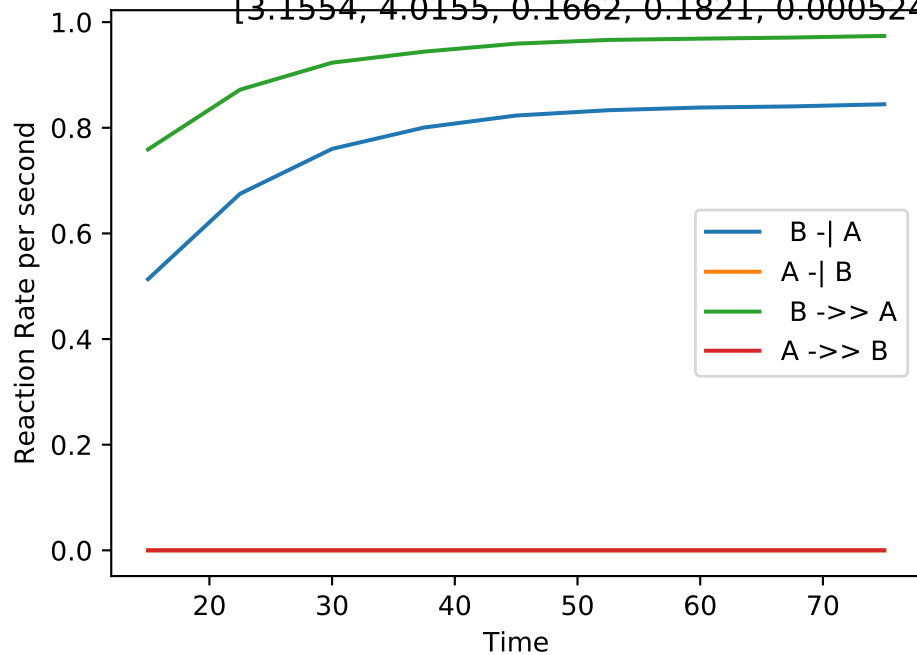
No_up | NLLA No_up(#350):

[4.0457, 4.0539, 0.1930, 0.1848, 4.588e-18, 1.722e-05, 0.0053, 0.0867, 0.0841, 0.0000]



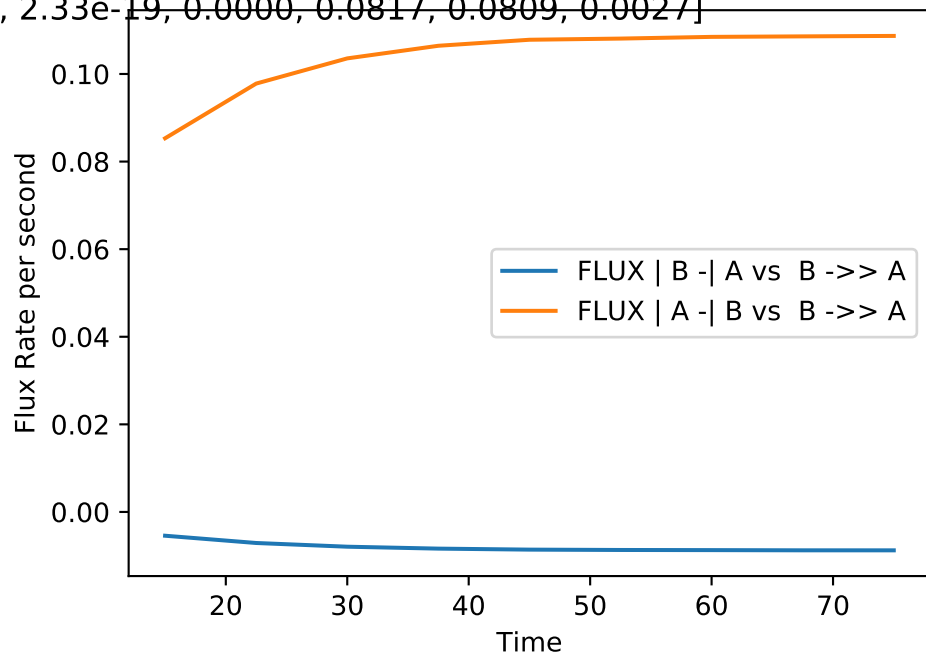
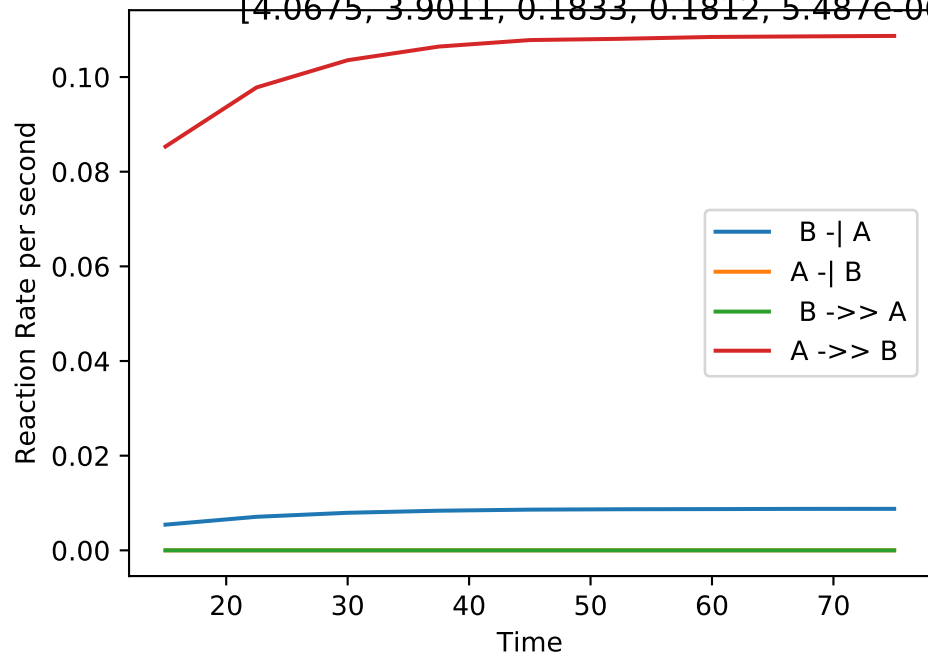
No_up | NLLA No_up(#351):

[3.1554, 4.0155, 0.1662, 0.1821, 0.0005245, 7.77e-22, 0.0242, 0.0841, 0.0820, 0.0000]



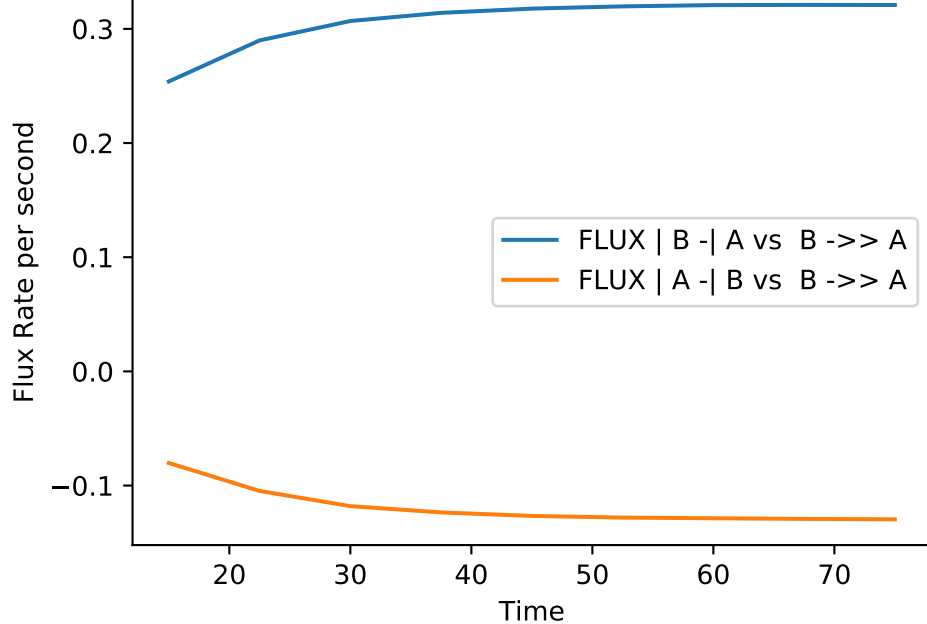
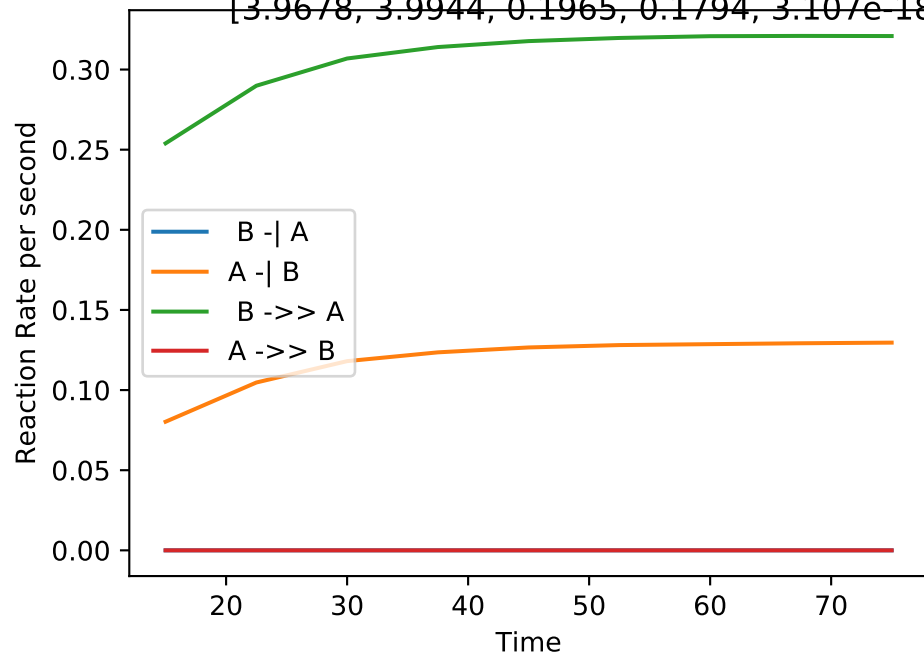
No_up | NLLA No_up(#352):

[4.0675, 3.9011, 0.1833, 0.1812, 5.487e-06, 2.33e-19, 0.0000, 0.0817, 0.0809, 0.0027]



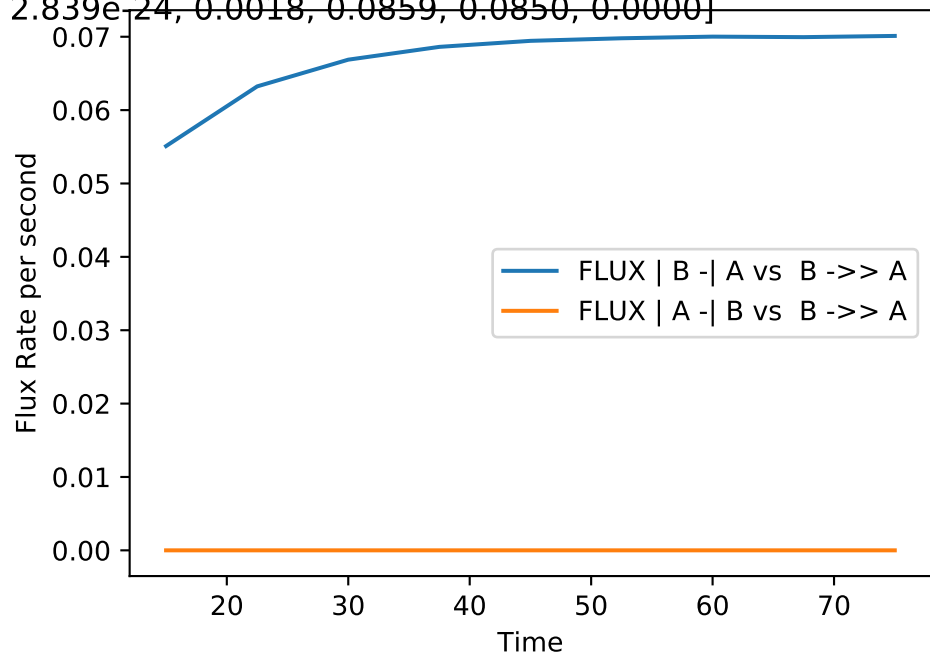
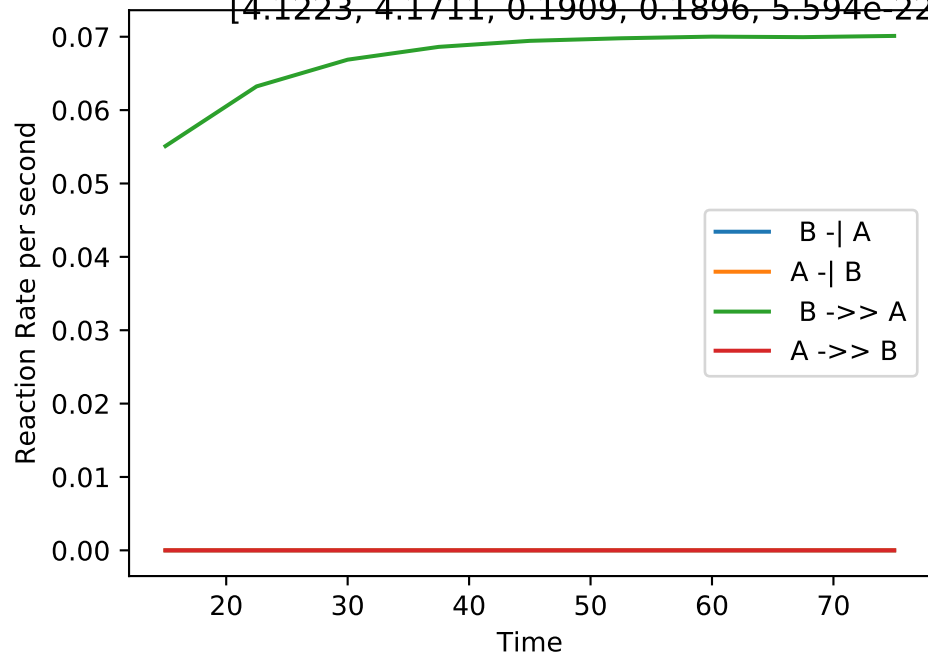
No_up | NLLA No_up(#353):

[3.9678, 3.9944, 0.1965, 0.1794, 3.107e-18, 8.112e-05, 0.0080, 0.0891, 0.0826, 0.0000]



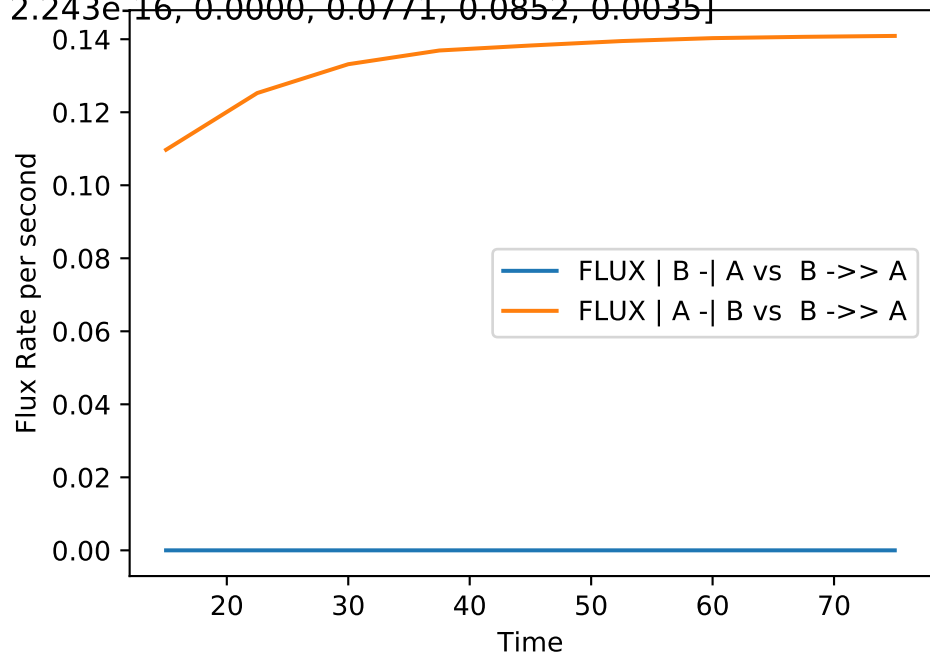
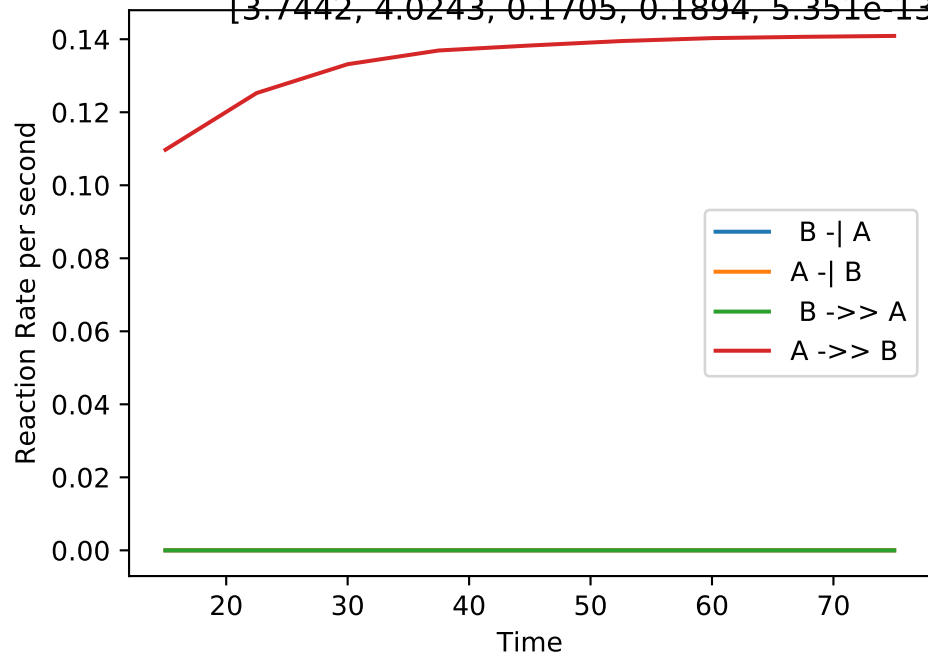
No_up | NLLA No_up(#354):

[4.1223, 4.1711, 0.1909, 0.1896, 5.594e-22, 2.839e-24, 0.0018, 0.0859, 0.0850, 0.0000]



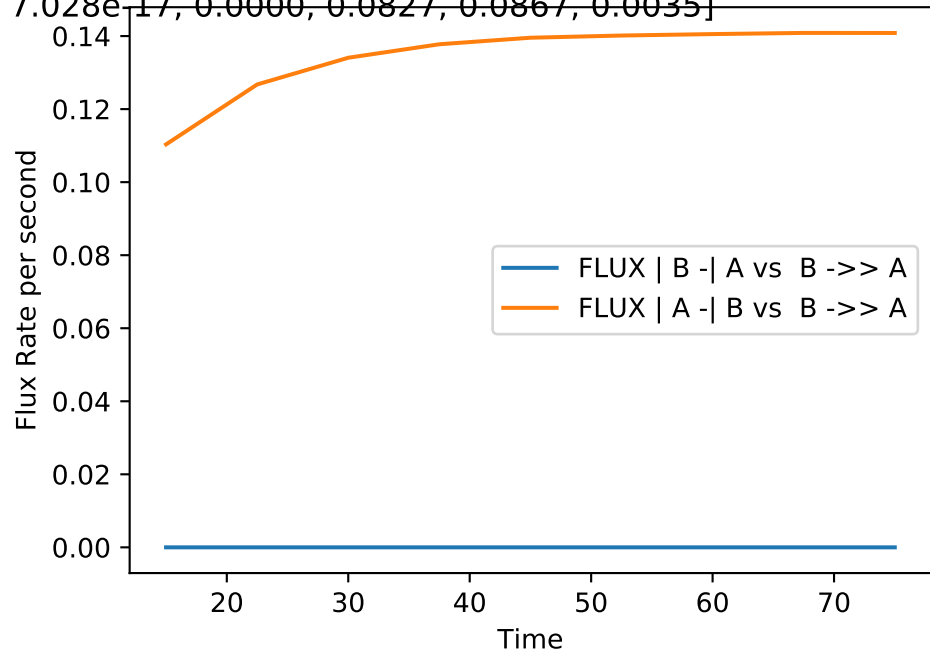
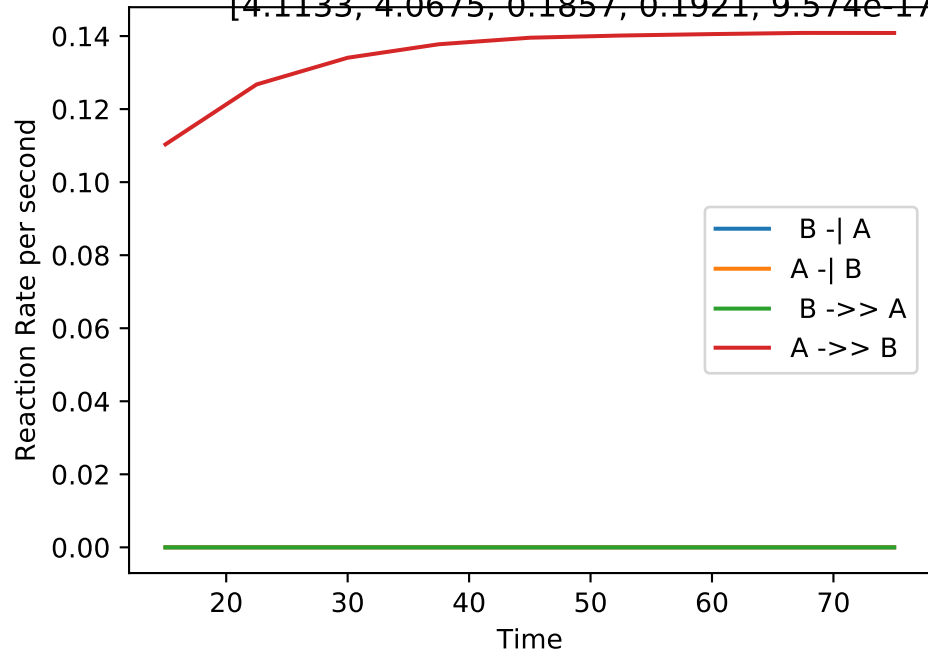
No_up | NLLA No_up(#355):

[3.7442, 4.0243, 0.1705, 0.1894, 5.351e-13, 2.243e-16, 0.0000, 0.0771, 0.0852, 0.0035]



No_up | NLLA No_up(#356):

[4.1133, 4.0675, 0.1857, 0.1921, 9.574e-17, 7.028e-17, 0.0000, 0.0827, 0.0867, 0.0035]



No_up | NLLA No_up(#357):

[3.9767, 4.2263, 0.1839, 0.2145, 3.653e-11, 1.248e-16, 0.0000, 0.0844, 0.0979, 0.0103]

Reaction Rate per second

0.4
0.3
0.2
0.1
0.0

20

30

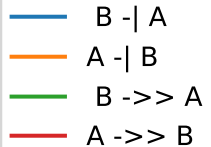
40

50

60

70

Time



Flux Rate per second

0.4
0.3
0.2
0.1
0.0

20

30

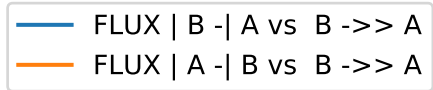
40

50

60

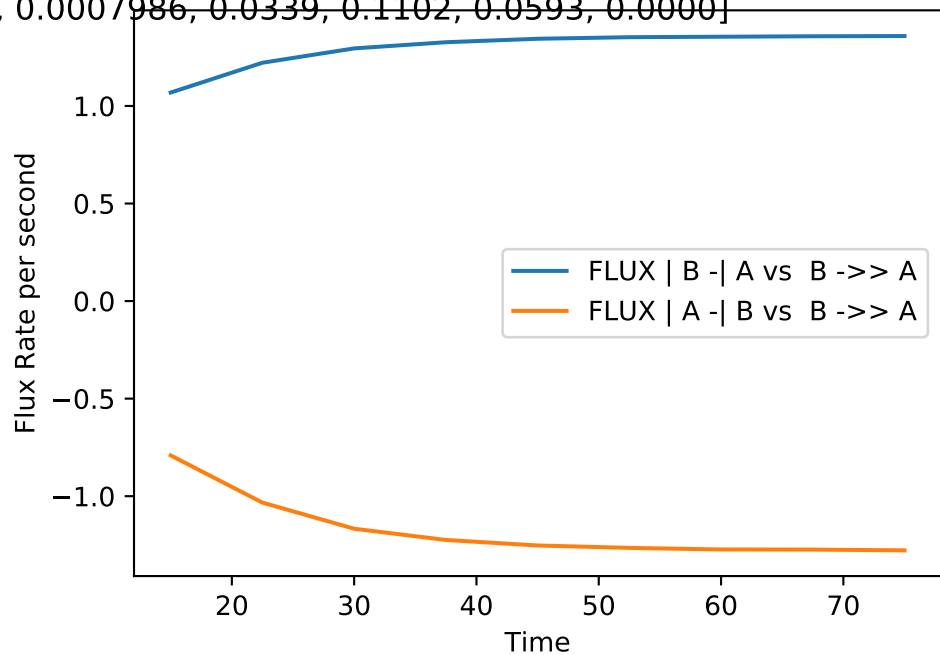
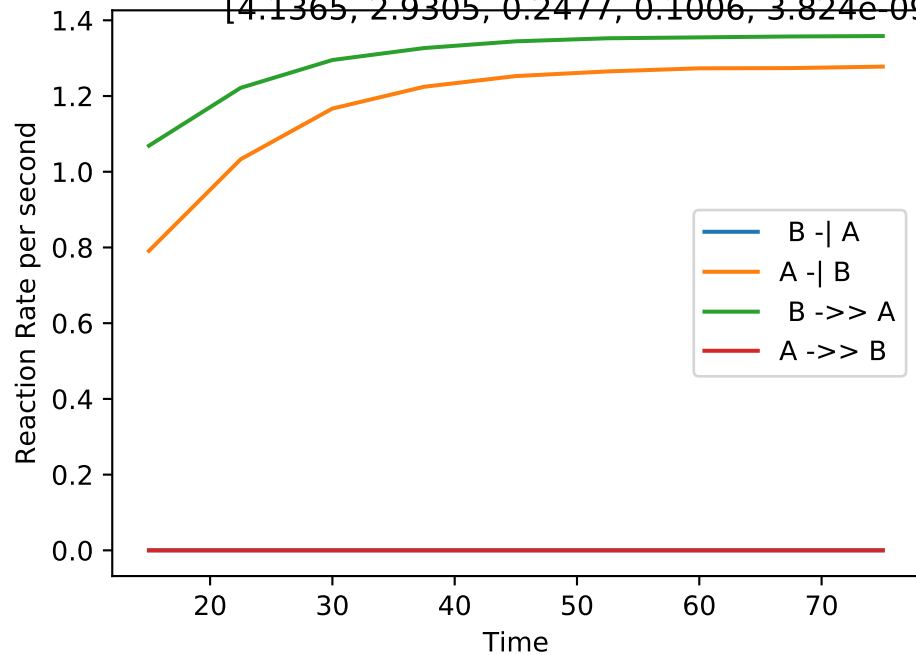
70

Time



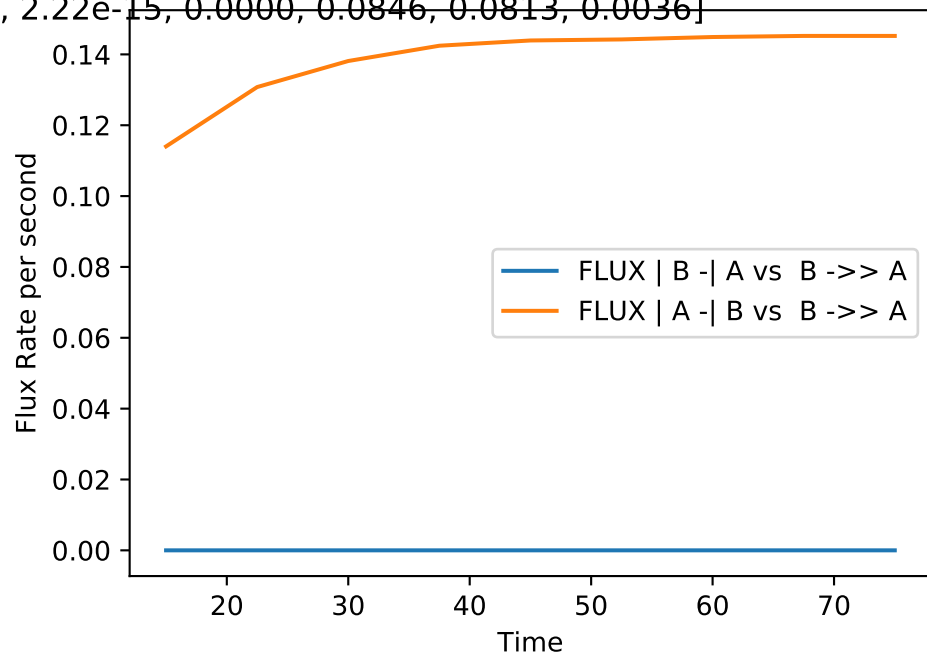
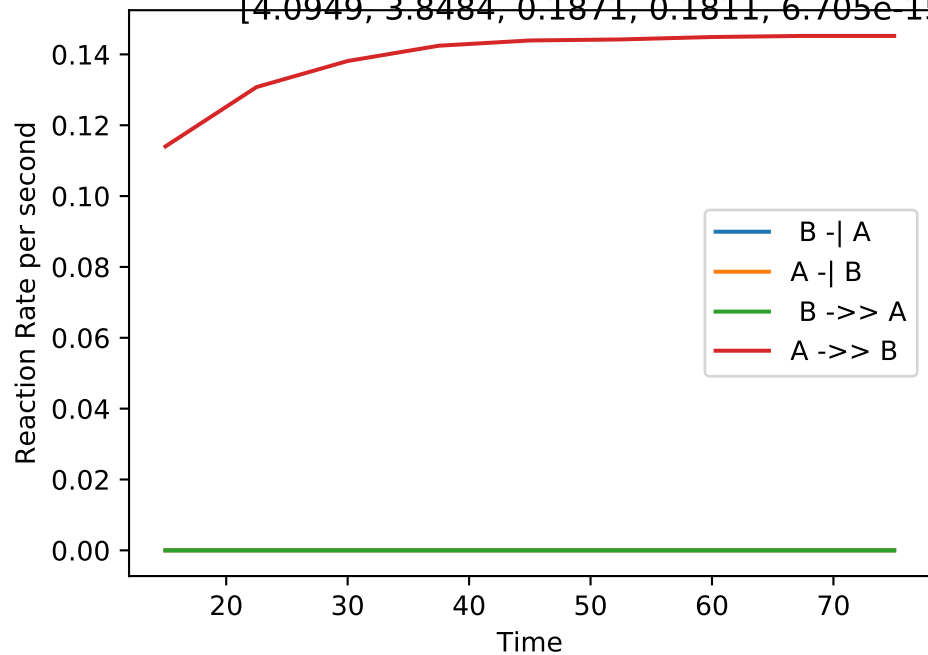
No_up | NLLA No_up(#358):

[4.1365, 2.9305, 0.2477, 0.1006, 3.824e-09, 0.0007986, 0.0339, 0.1102, 0.0593, 0.0000]



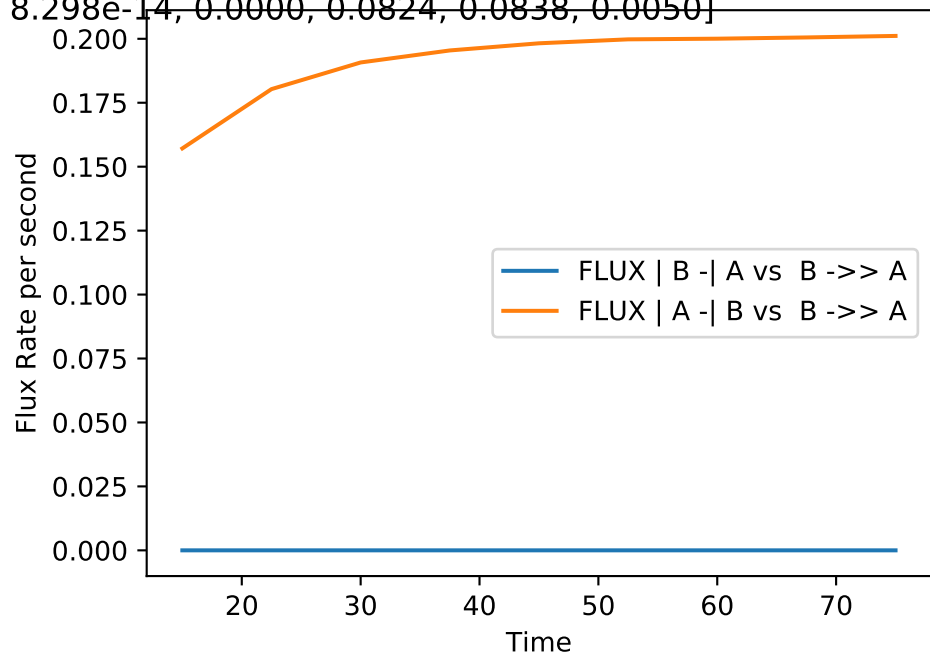
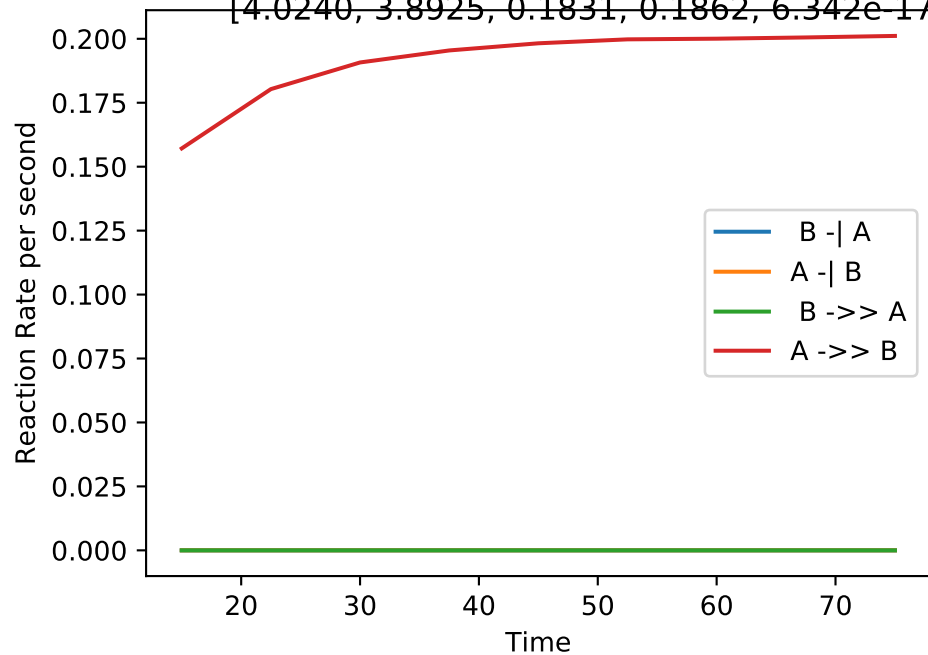
No_up | NLLA No_up(#359):

[4.0949, 3.8484, 0.1871, 0.1811, 6.705e-15, 2.22e-15, 0.0000, 0.0846, 0.0813, 0.0036]



No_up | NLLA No_up(#360):

[4.0240, 3.8925, 0.1831, 0.1862, 6.342e-17, 8.298e-14, 0.0000, 0.0824, 0.0838, 0.0050]



No_up | NLLA No_up(#361):

[4.0496, 3.9503, 0.1923, 0.1811, 4.838e-14, 1.46e-14, 0.0053, 0.0857, 0.0821, 0.0000]

Reaction Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

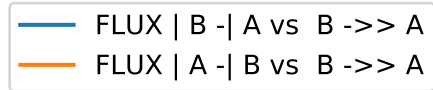
40

50

60

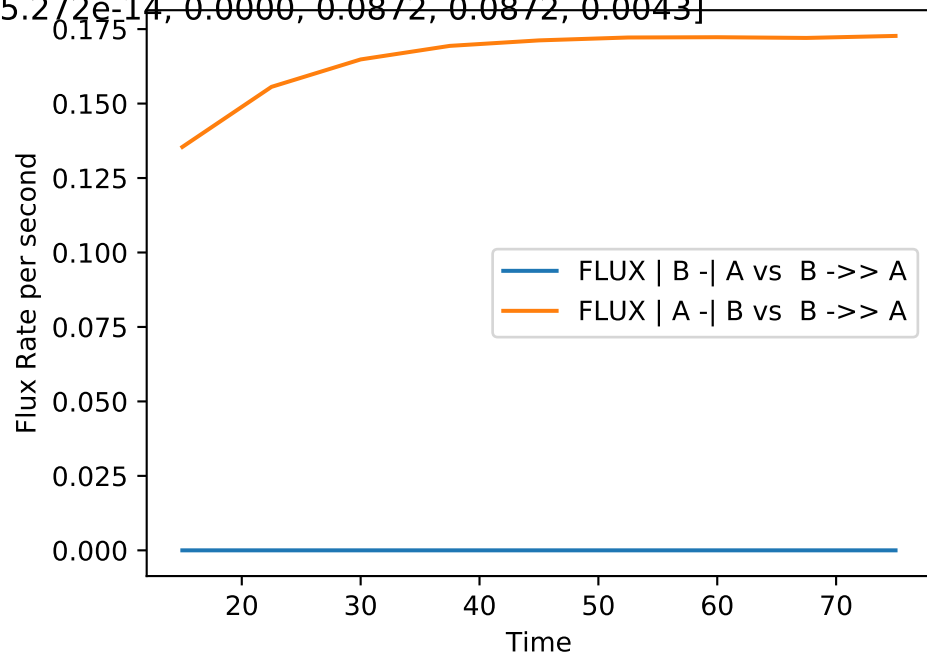
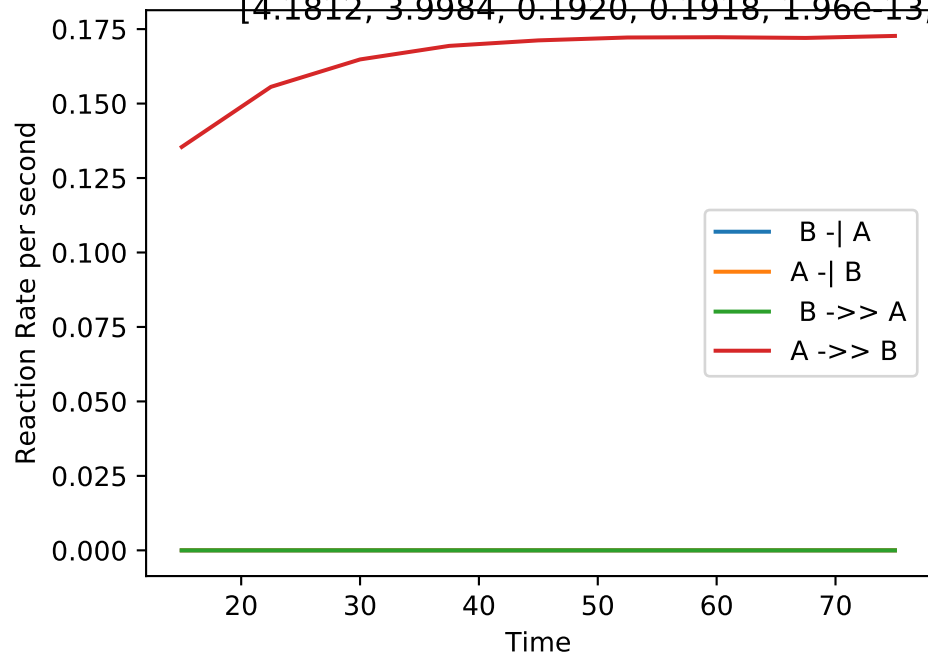
70

Time



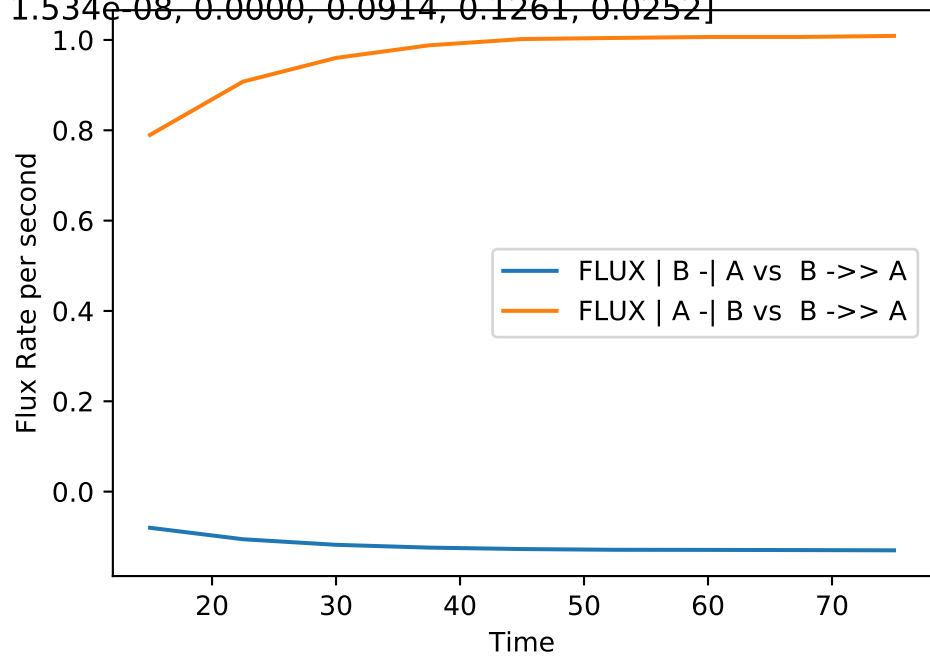
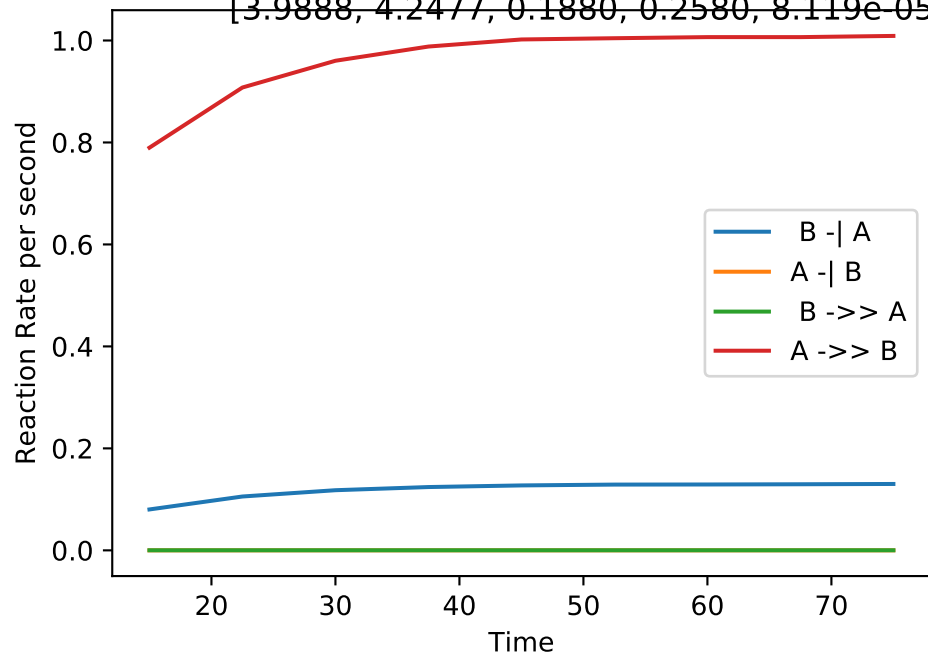
No_up | NLLA No_up(#362):

[4.1812, 3.9984, 0.1920, 0.1918, 1.96e-13, 5.272e-14, 0.0000, 0.0872, 0.0872, 0.0043]



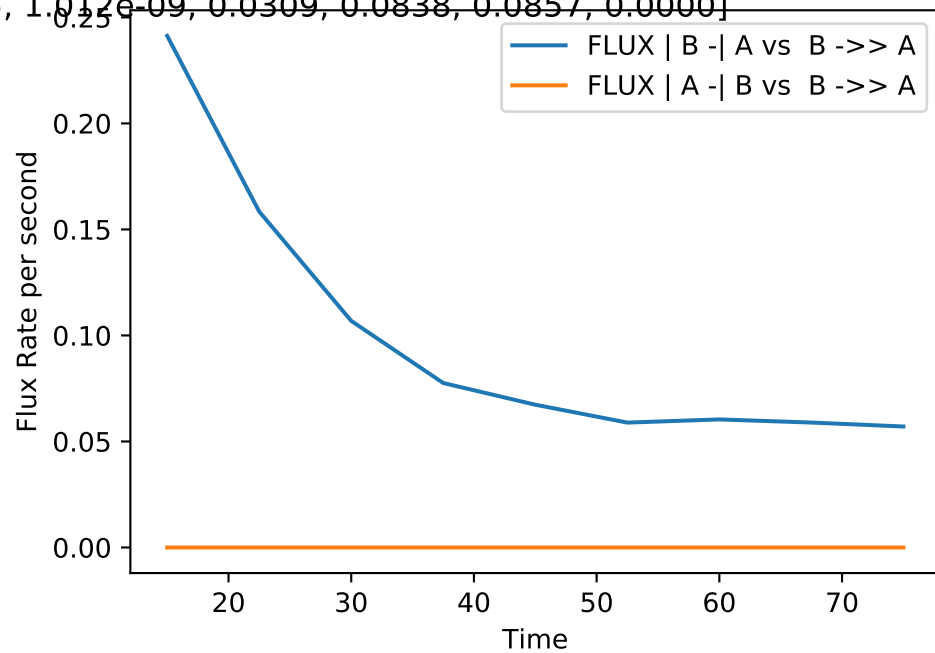
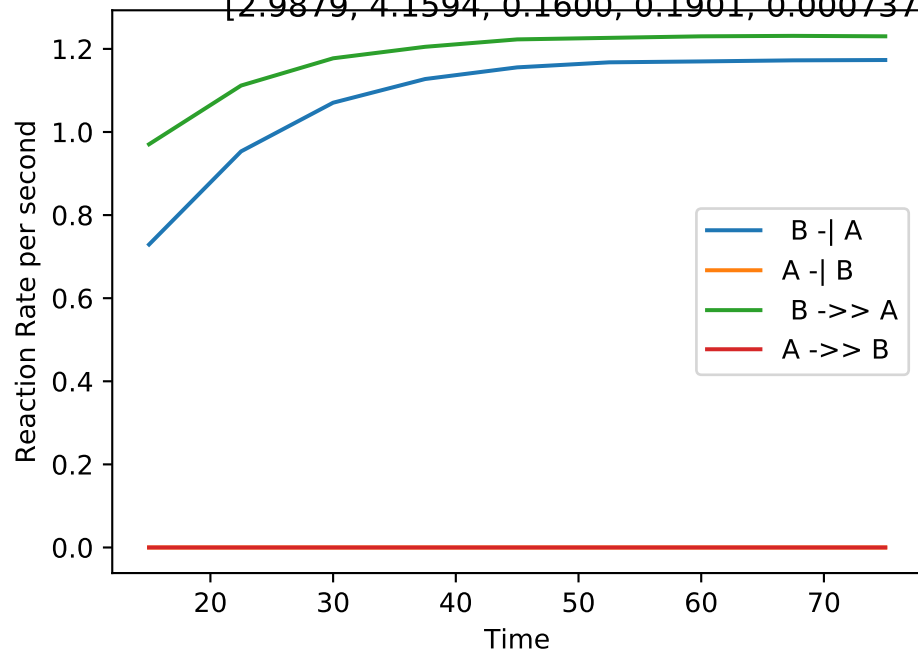
No_up | NLLA No_up(#363):

[3.9888, 4.2477, 0.1880, 0.2580, 8.119e-05, 1.534e-08, 0.0000, 0.0914, 0.1261, 0.0252]



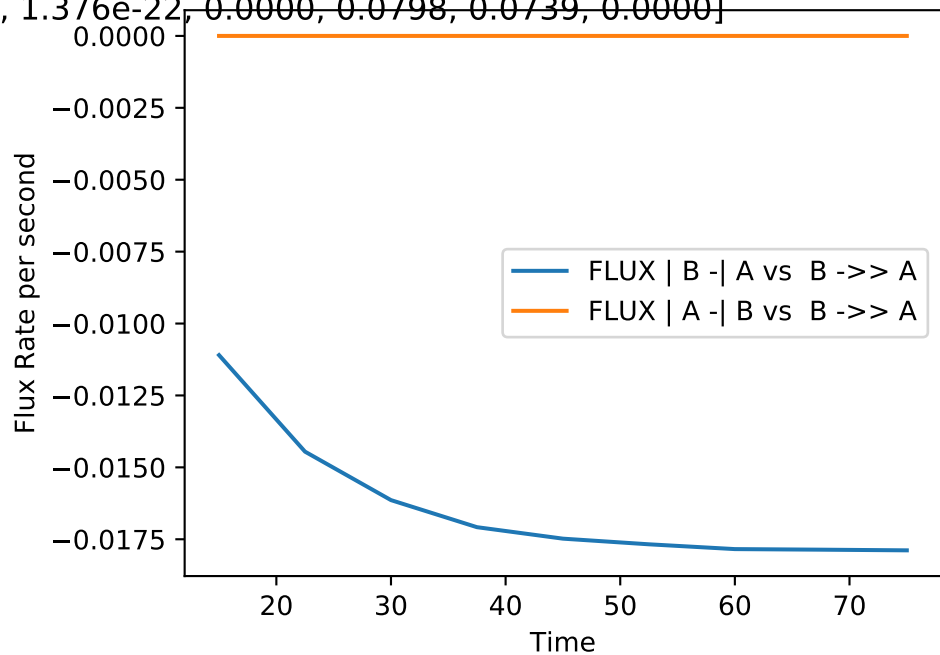
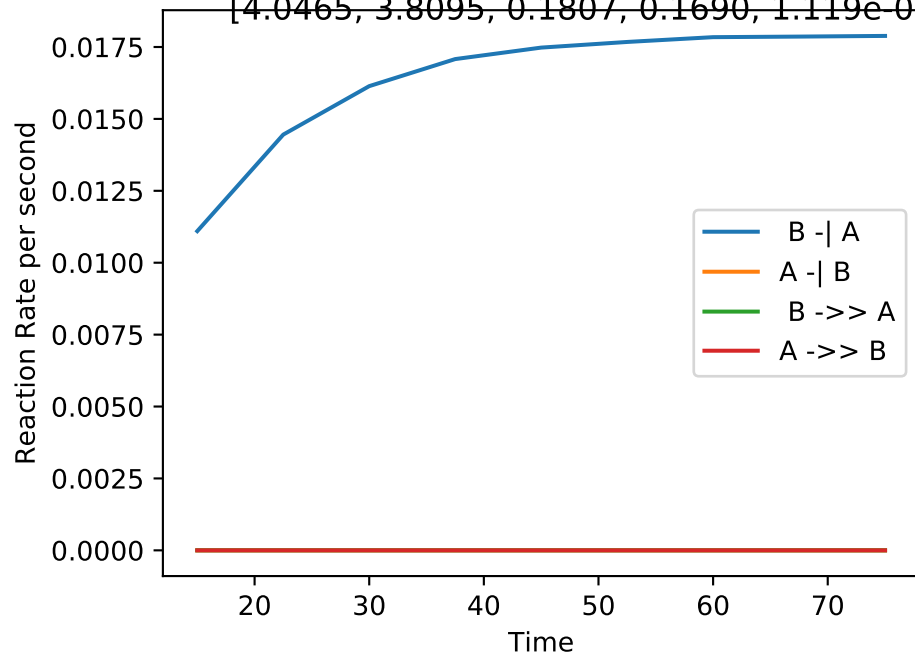
No_up | NLLA No_up(#364):

[2.9879, 4.1594, 0.1600, 0.1901, 0.0007375, 1.012e-09, 0.0309, 0.0838, 0.0857, 0.0000]



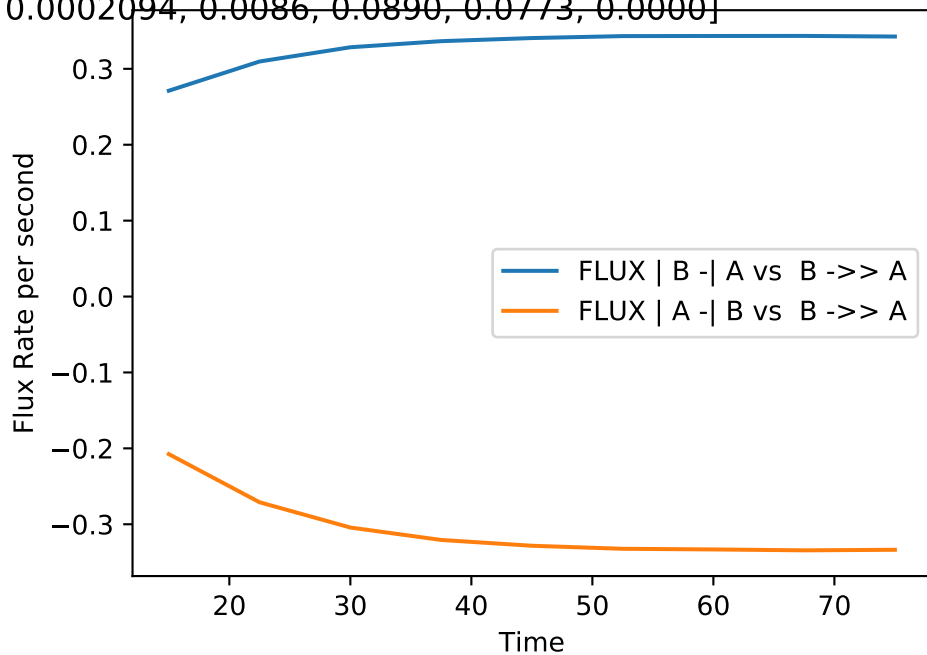
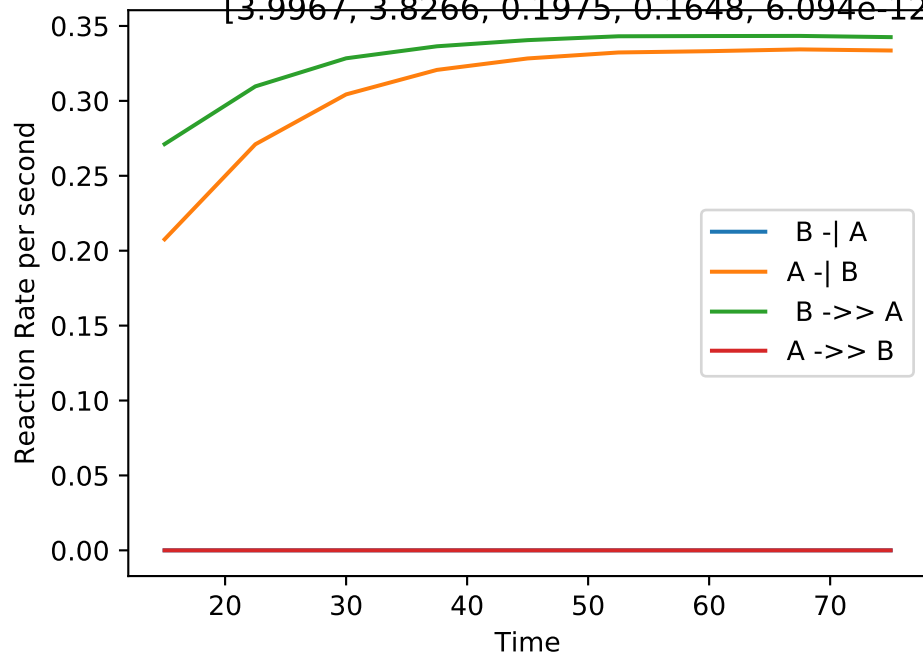
No_up | NLLA No_up(#365):

[4.0465, 3.8095, 0.1807, 0.1690, 1.119e-05, 1.376e-22, 0.0000, 0.0798, 0.0739, 0.0000]



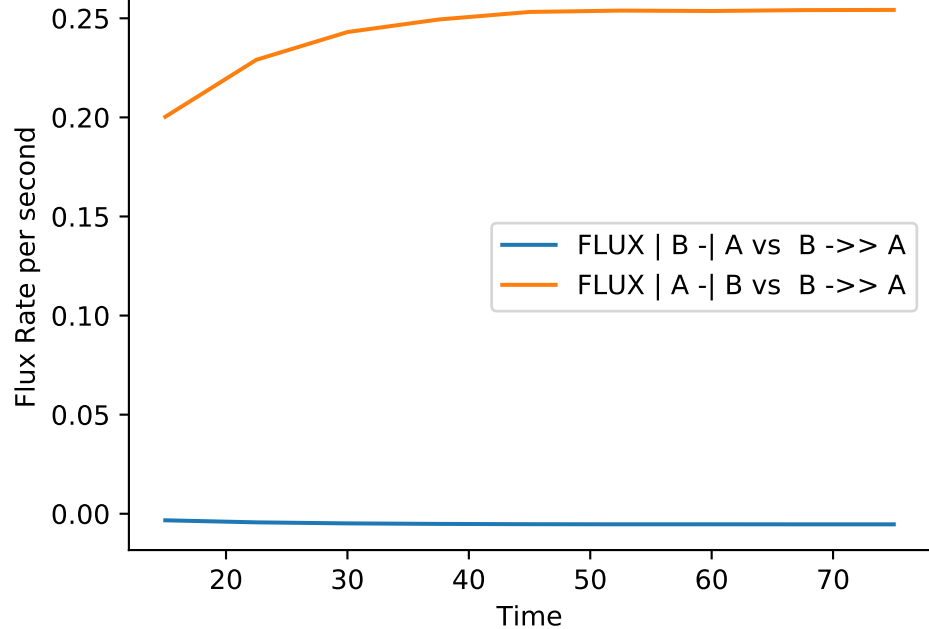
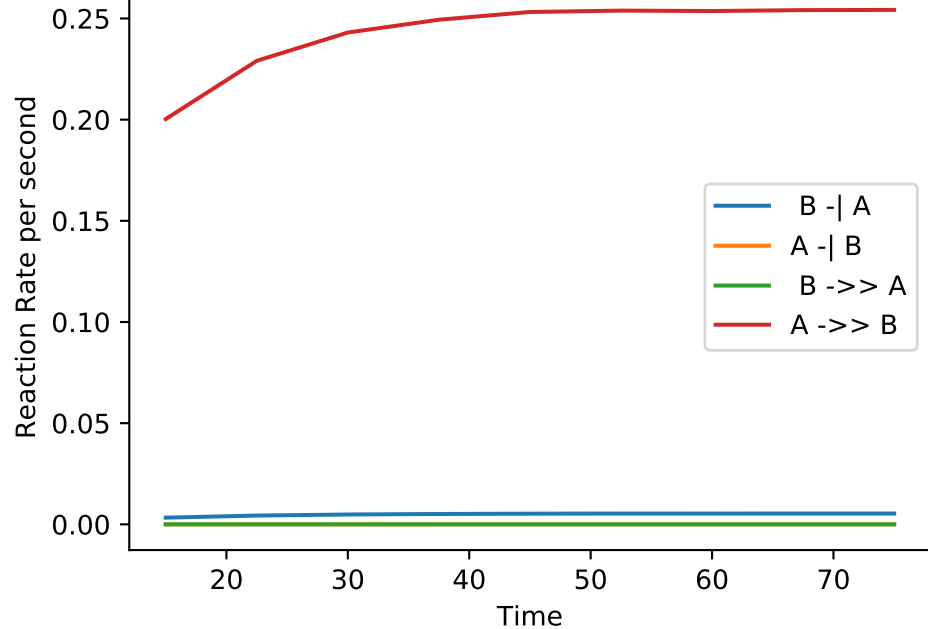
No_up | NLLA No_up(#366):

[3.9967, 3.8266, 0.1975, 0.1648, 6.094e-12, 0.0002094, 0.0086, 0.0890, 0.0773, 0.0000]



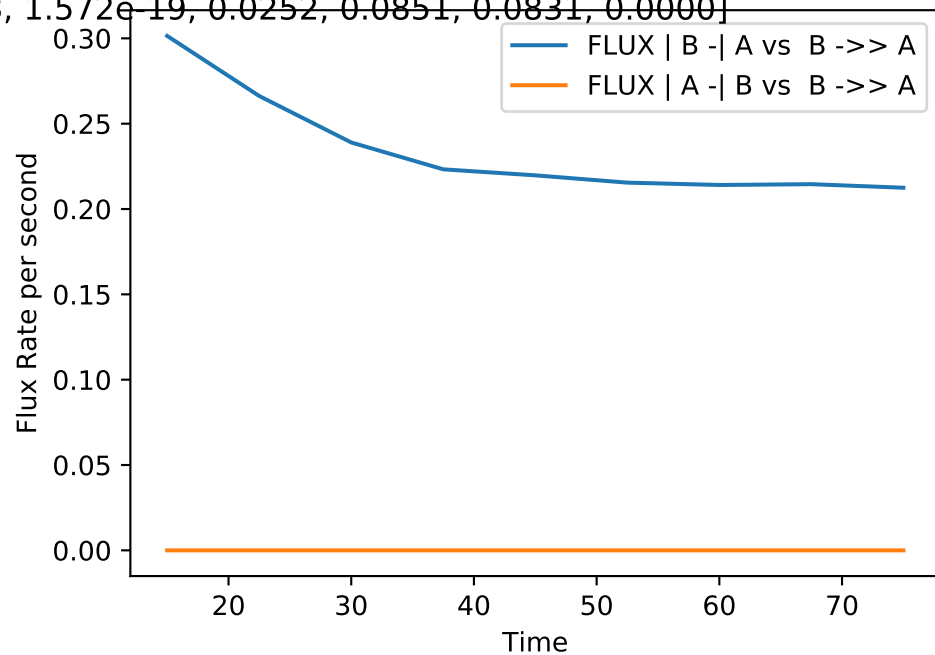
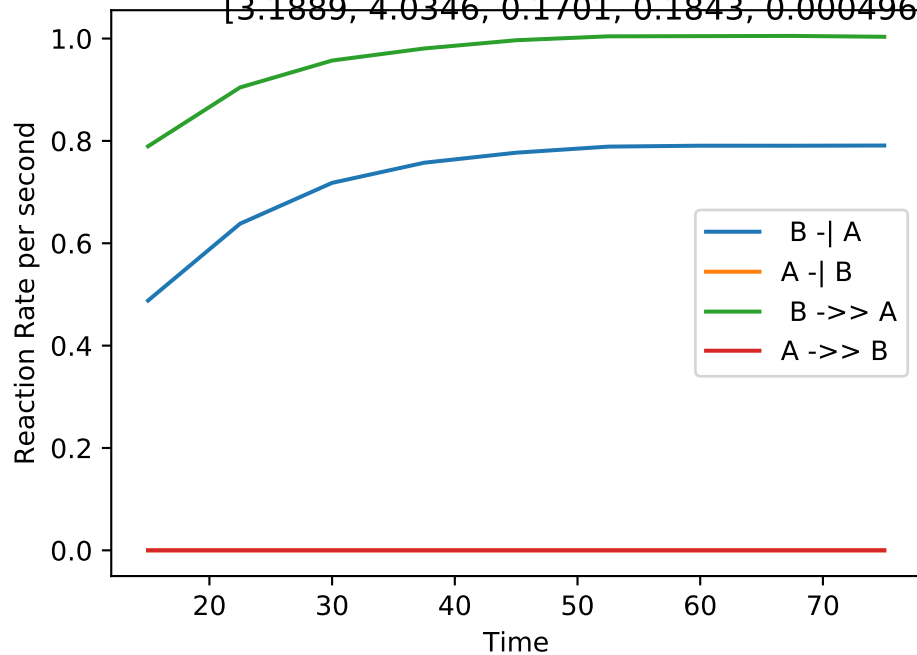
No_up | NLLA No_up(#367):

[4.0793, 4.0692, 0.1869, 0.1983, 3.351e-06, 2.687e-17, 0.0000, 0.0849, 0.0901, 0.0064]



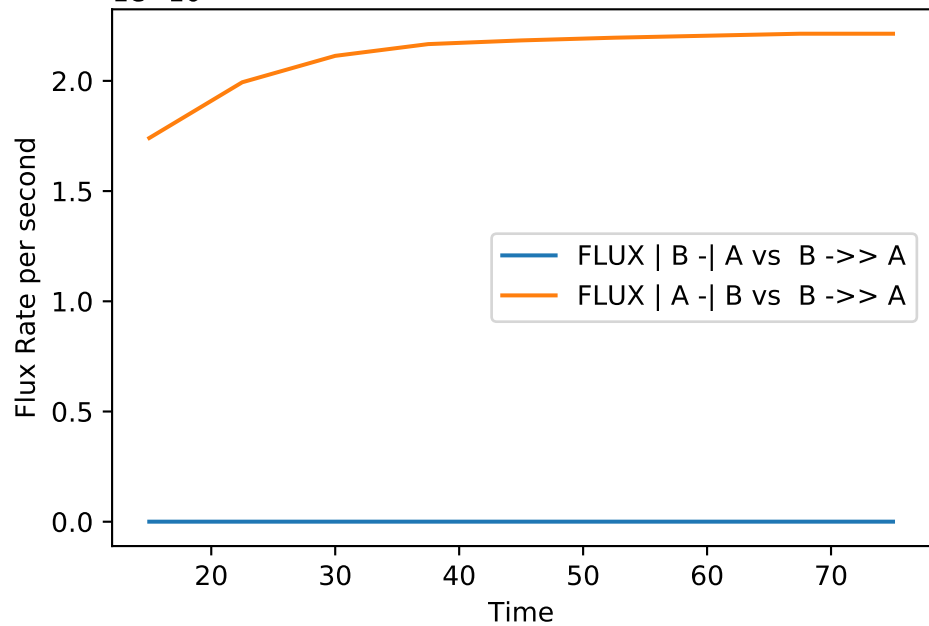
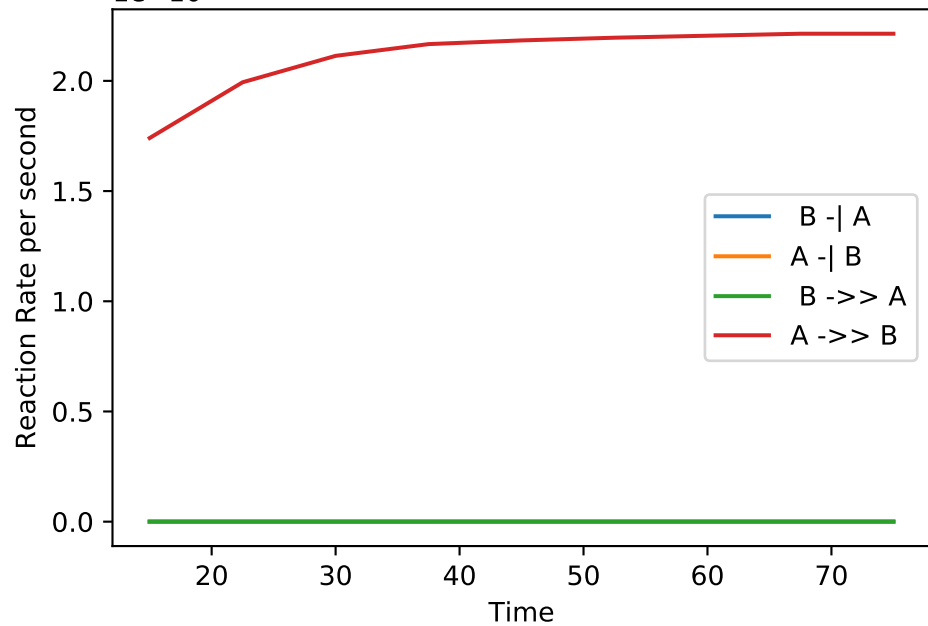
No_up | NLLA No_up(#368):

[3.1889, 4.0346, 0.1701, 0.1843, 0.0004968, 1.572e-19, 0.0252, 0.0851, 0.0831, 0.0000]



No_up | NLLA No_up(#369):

$1e-10$ [4.1508, 4.1097, 0.1877, 0.1868, $9.275e-24$, $1.247e-23$, 0.0000, 0.0838, 0.0836, 0.0000]



No_up | NLLA No_up(#370):

[4.0730, 3.9845, 0.1868, 0.1833, 4.07e-20, 1.772e-17, 0.0022, 0.0826, 0.0834, 0.0000]

Reaction Rate per second

0.08
0.06
0.04
0.02
0.00

20

30

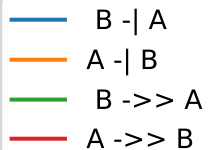
40

50

60

70

Time



Flux Rate per second

0.08
0.06
0.04
0.02
0.00

20

30

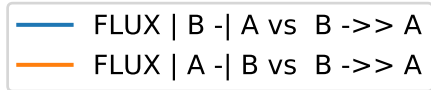
40

50

60

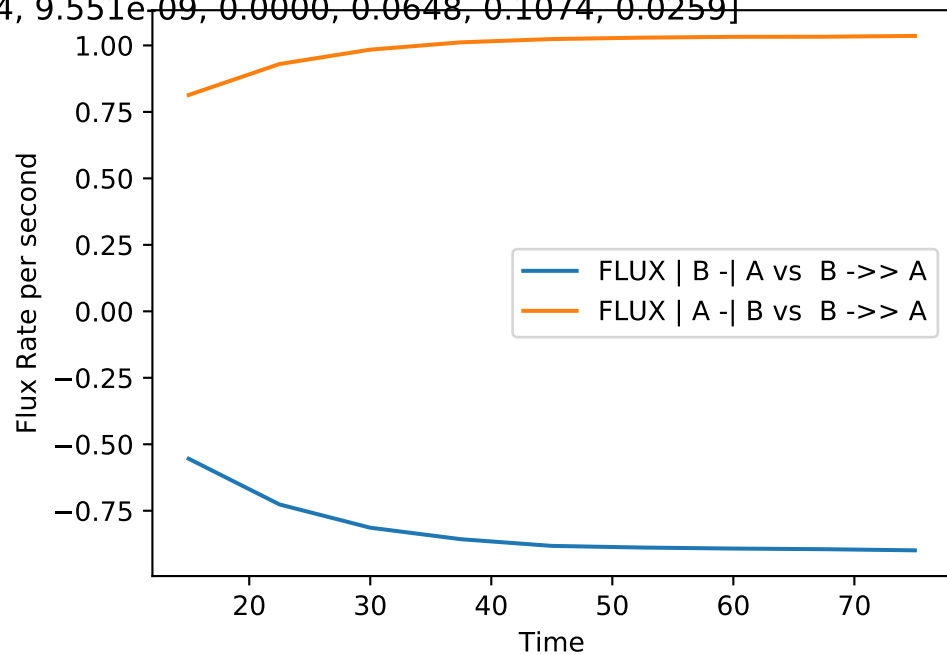
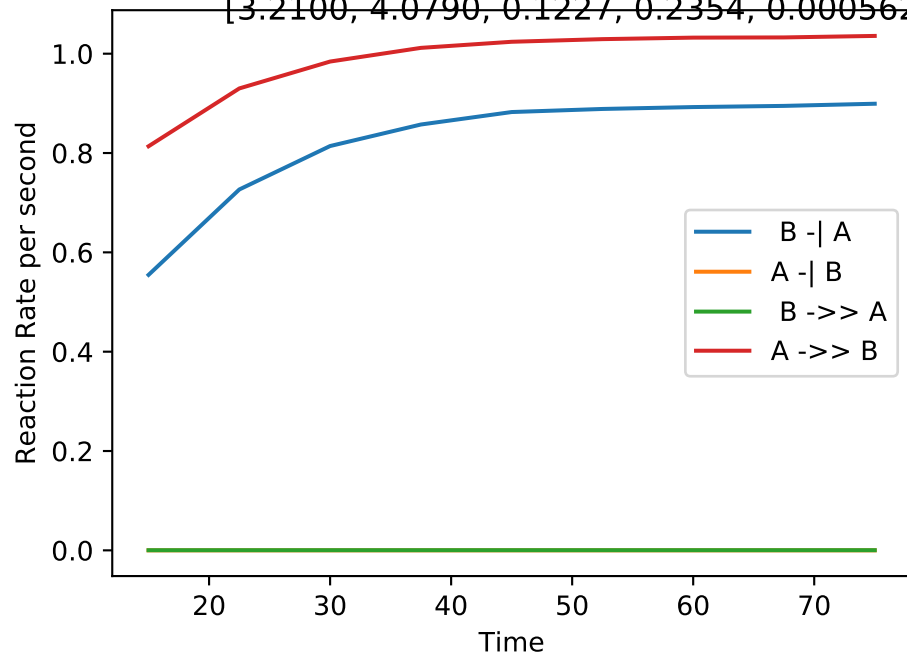
70

Time



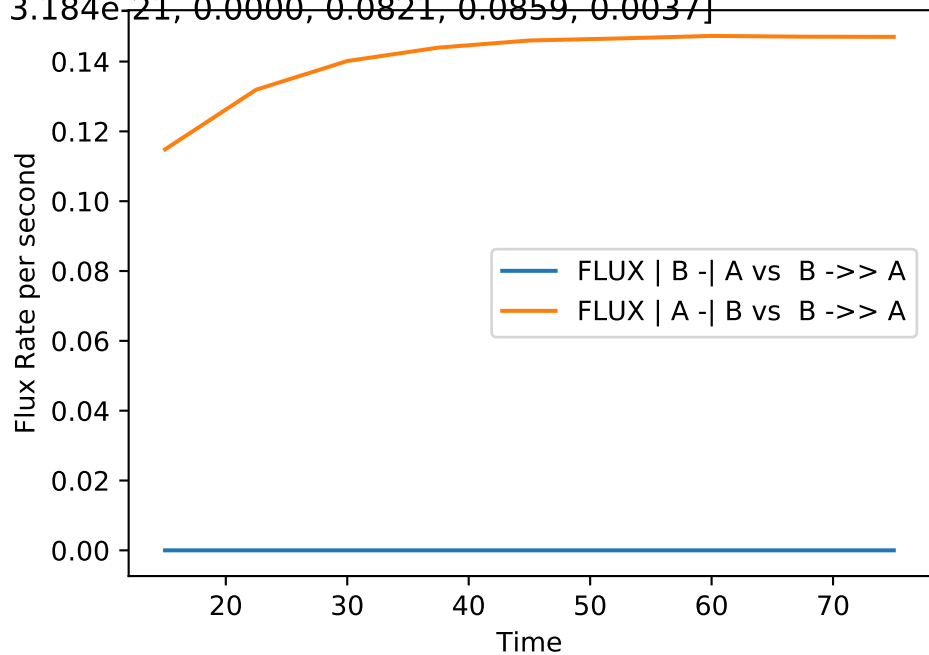
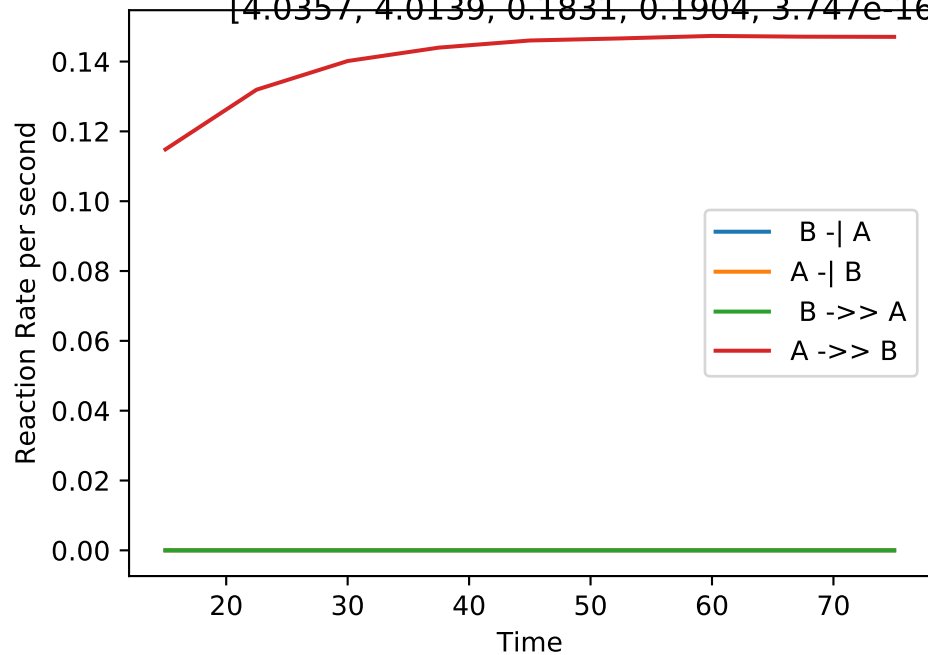
No_up | NLLA No_up(#371):

[3.2100, 4.0790, 0.1227, 0.2354, 0.0005624, 9.551e-09, 0.0000, 0.0648, 0.1074, 0.0259]



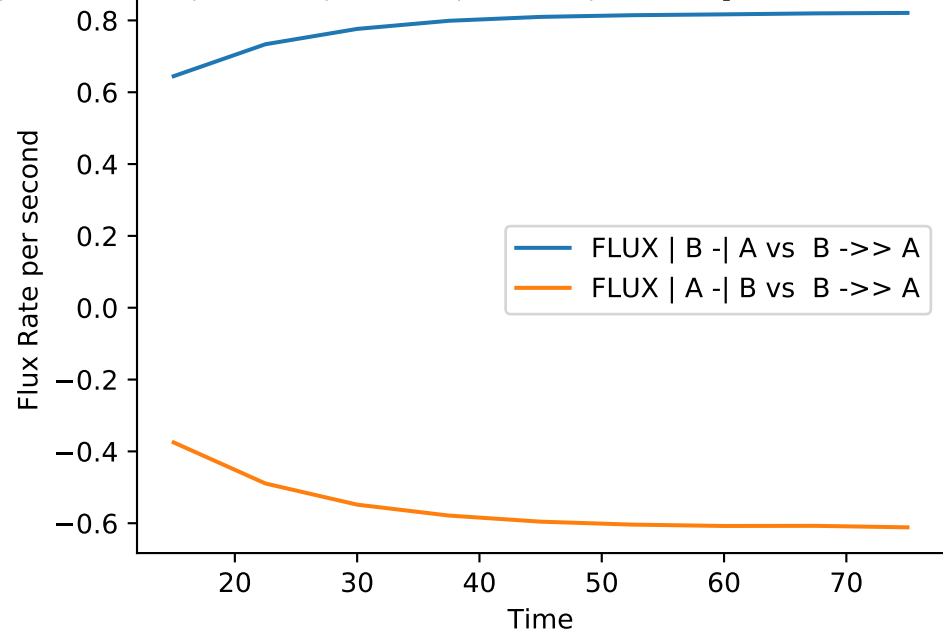
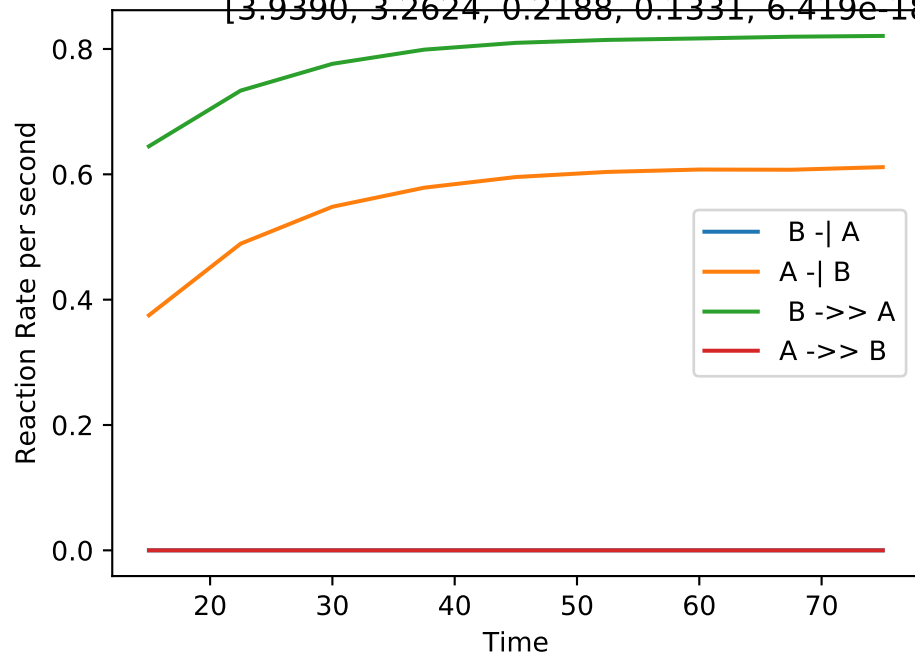
No_up | NLLA No_up(#372):

[4.0357, 4.0139, 0.1831, 0.1904, 3.747e-16, 3.184e-21, 0.0000, 0.0821, 0.0859, 0.0037]



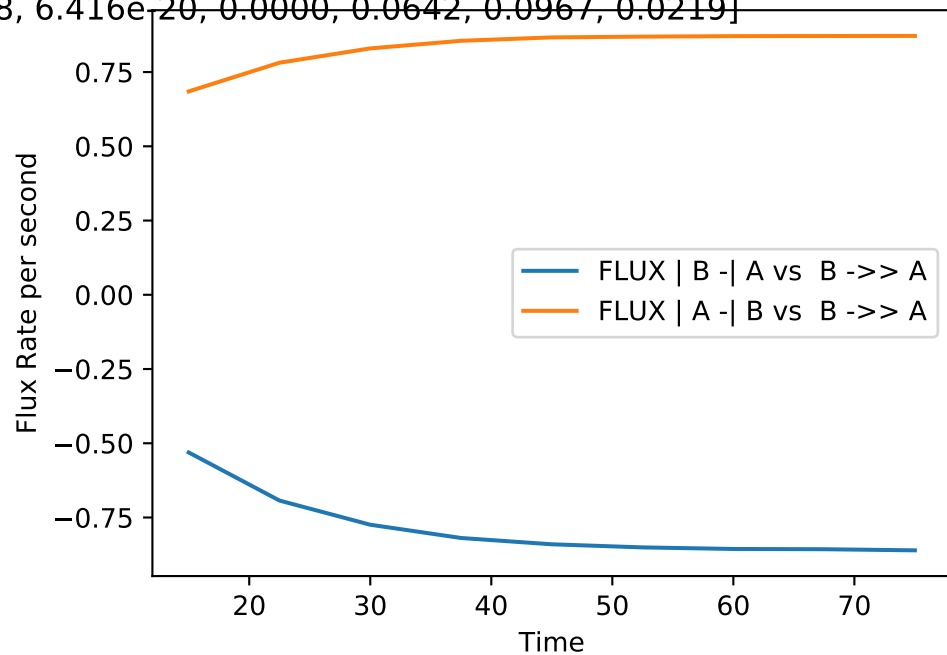
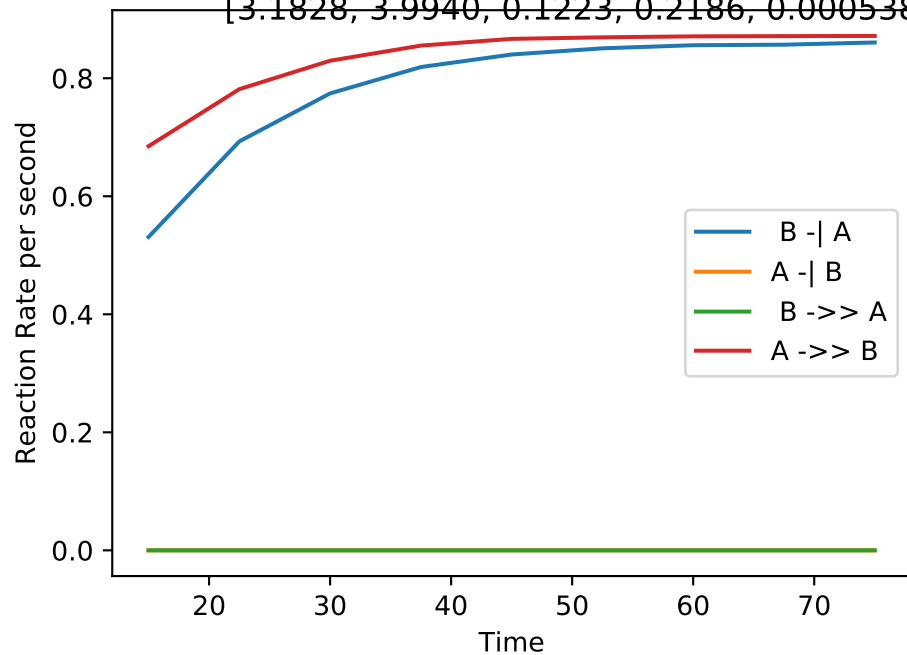
No_up | NLLA No_up(#373):

[3.9390, 3.2624, 0.2188, 0.1331, 6.419e-18, 0.0003807, 0.0205, 0.0998, 0.0669, 0.0000]



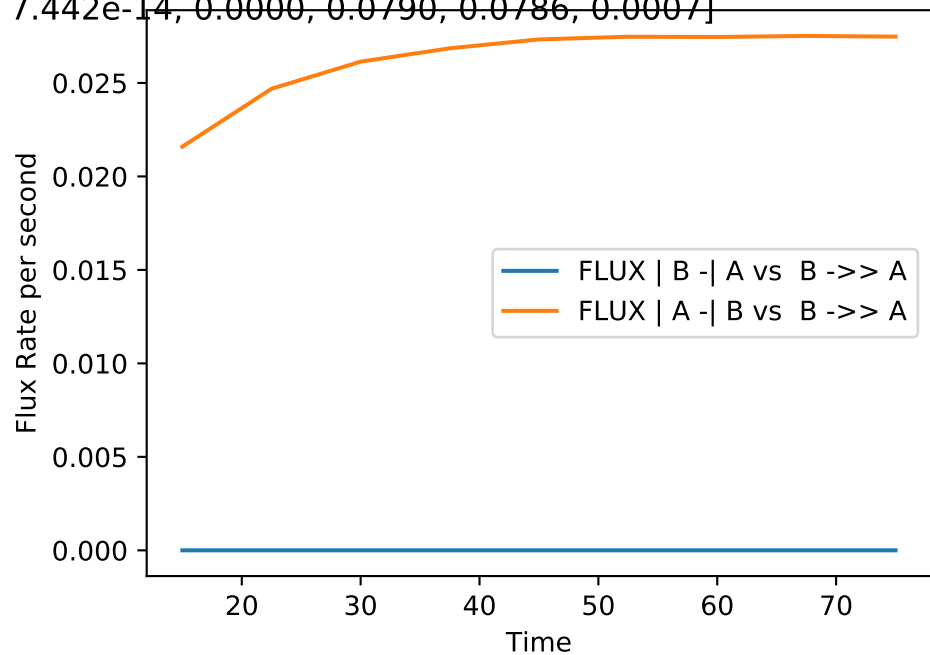
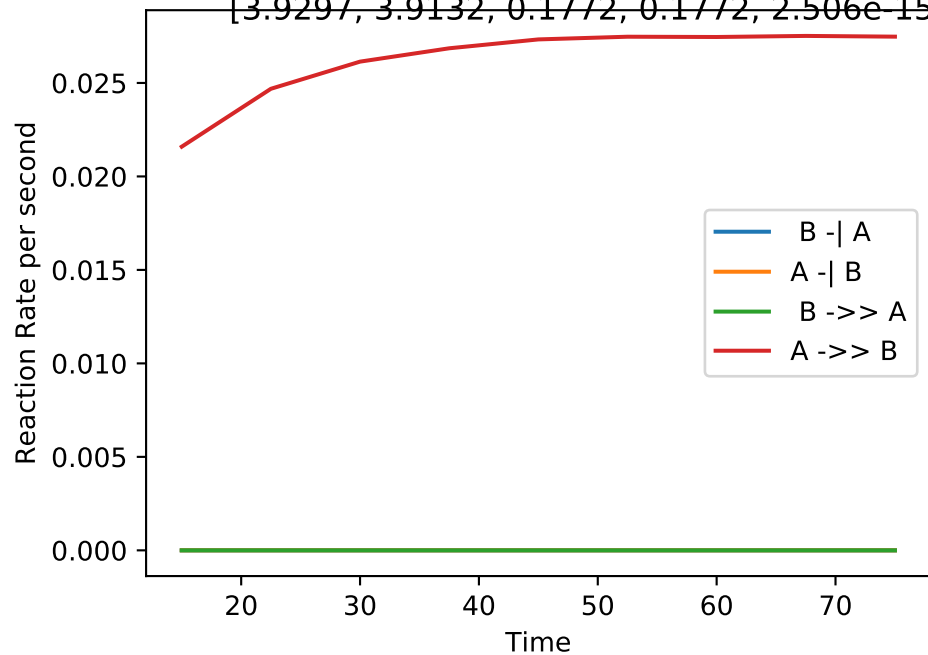
No_up | NLLA No_up(#374):

[3.1828, 3.9940, 0.1223, 0.2186, 0.0005388, 6.416e-20, 0.0000, 0.0642, 0.0967, 0.0219]



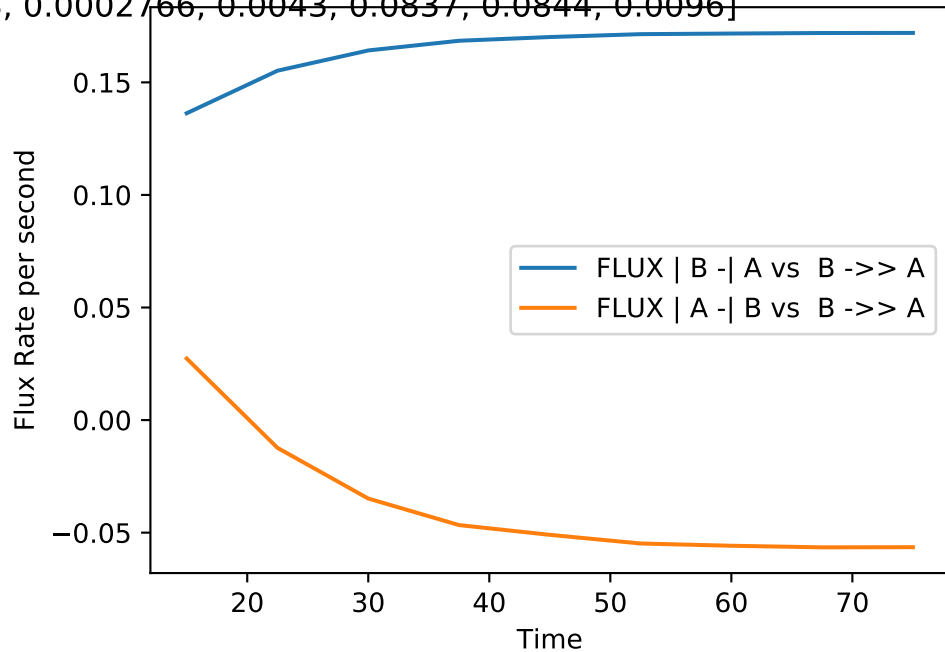
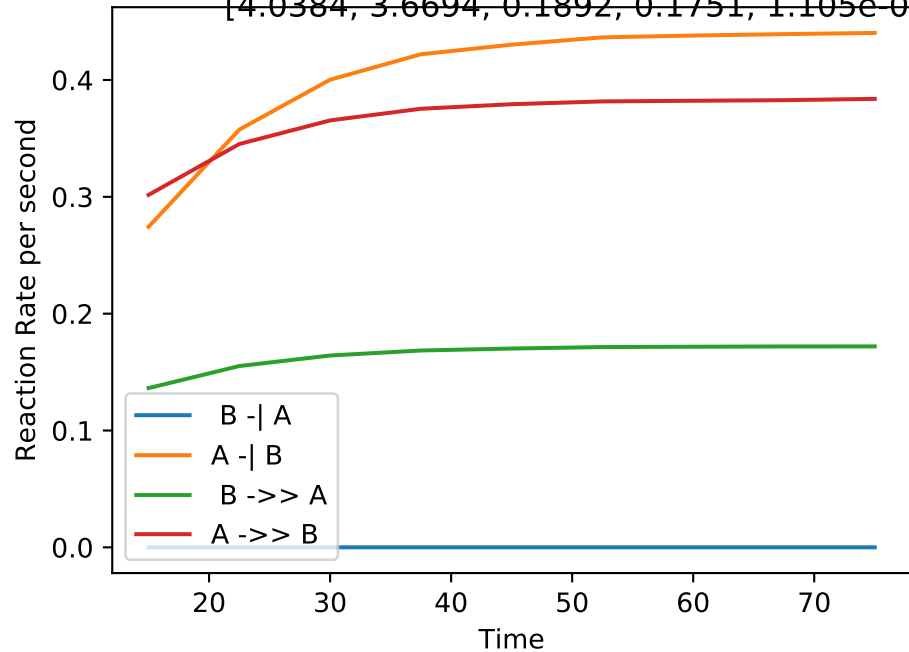
No_up | NLLA No_up(#375):

[3.9297, 3.9132, 0.1772, 0.1772, 2.506e-15, 7.442e-14, 0.0000, 0.0790, 0.0786, 0.0007]



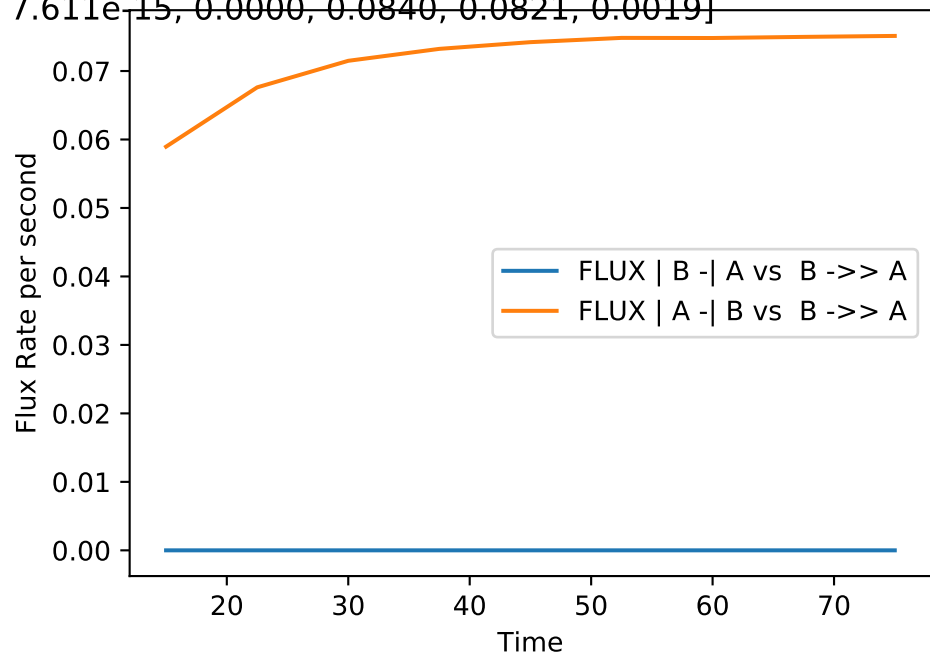
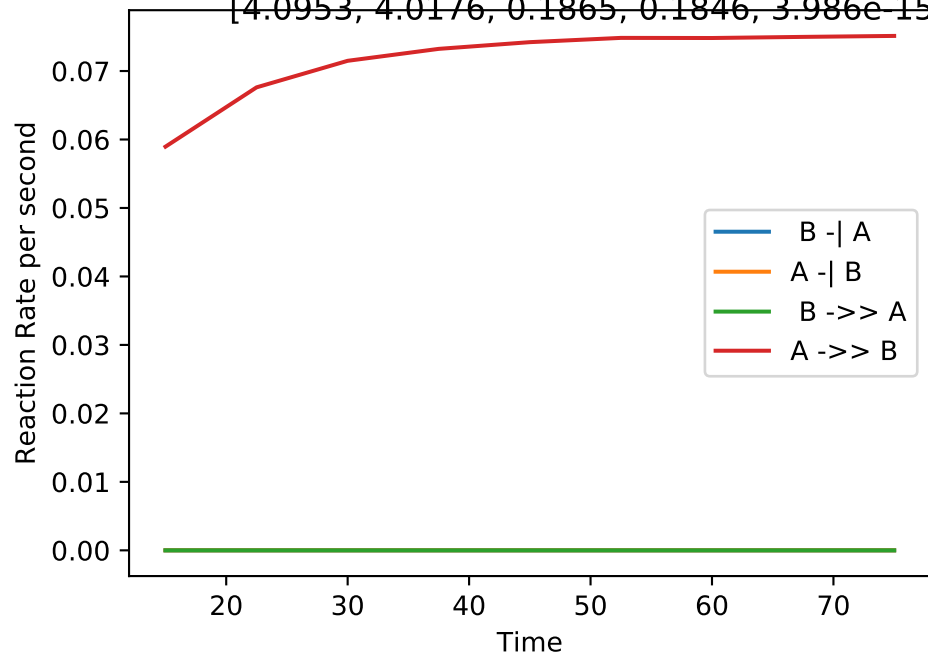
No_up | NLLA No_up(#376):

[4.0384, 3.6694, 0.1892, 0.1751, 1.105e-08, 0.0002766, 0.0043, 0.0837, 0.0844, 0.0096]



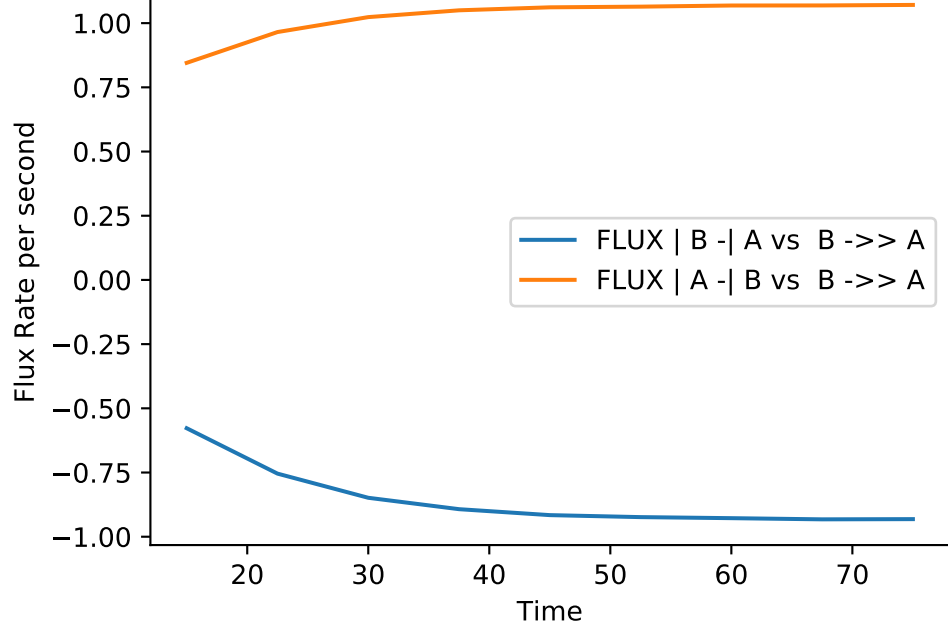
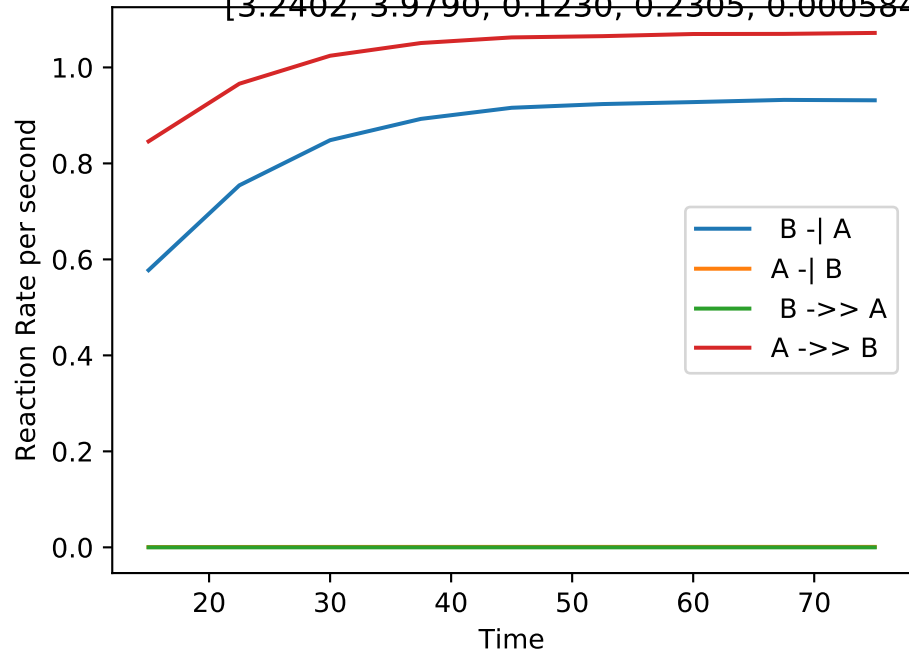
No_up | NLLA No_up(#377):

[4.0953, 4.0176, 0.1865, 0.1846, 3.986e-15, 7.611e-15, 0.0000, 0.0840, 0.0821, 0.0019]



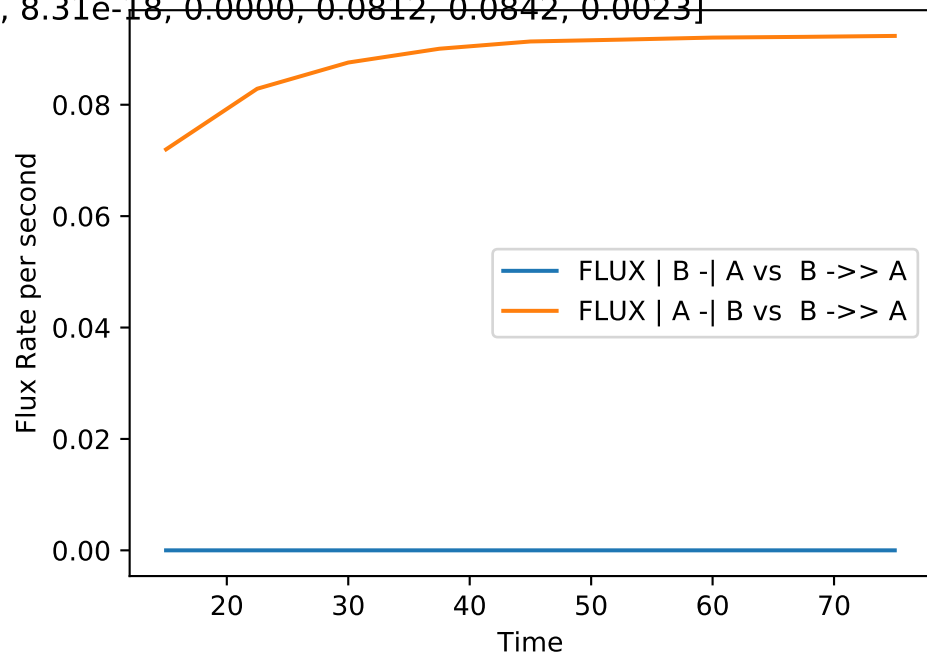
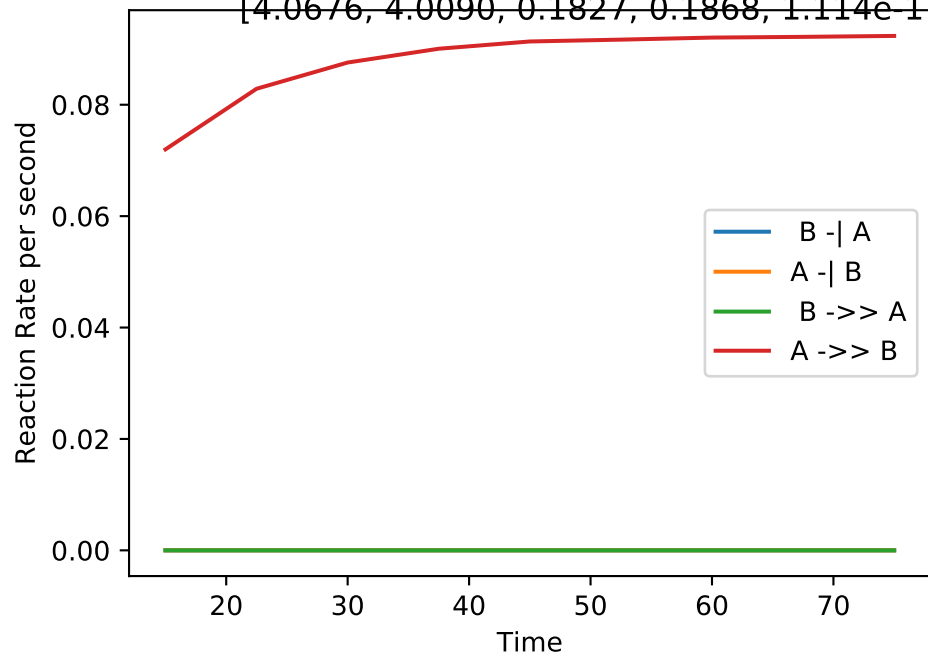
No_up | NLLA No_up(#378):

[3.2402, 3.9790, 0.1230, 0.2305, 0.0005848, 5.975e-07, 0.0000, 0.0652, 0.1039, 0.0268]



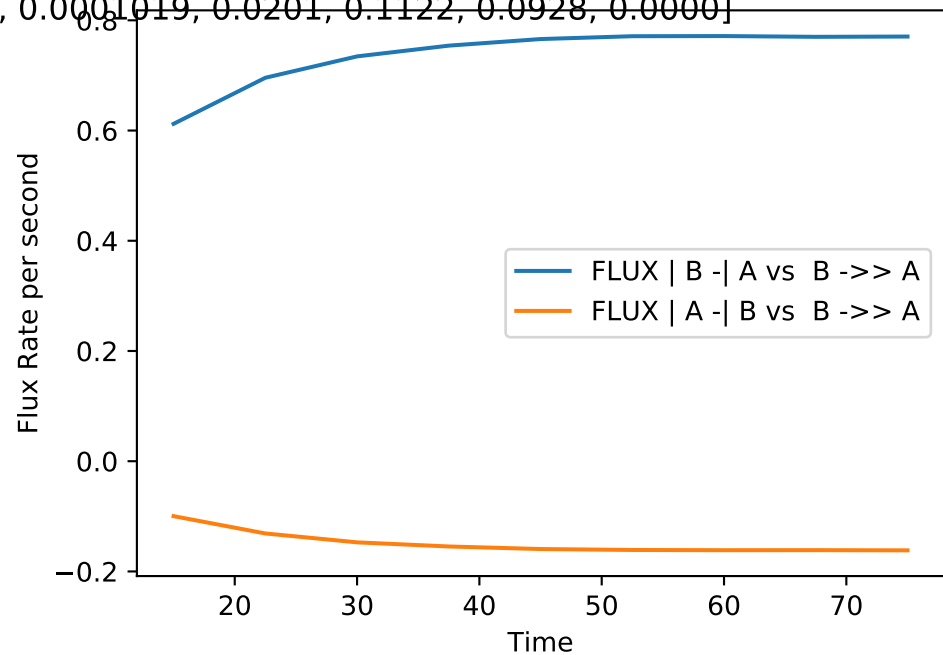
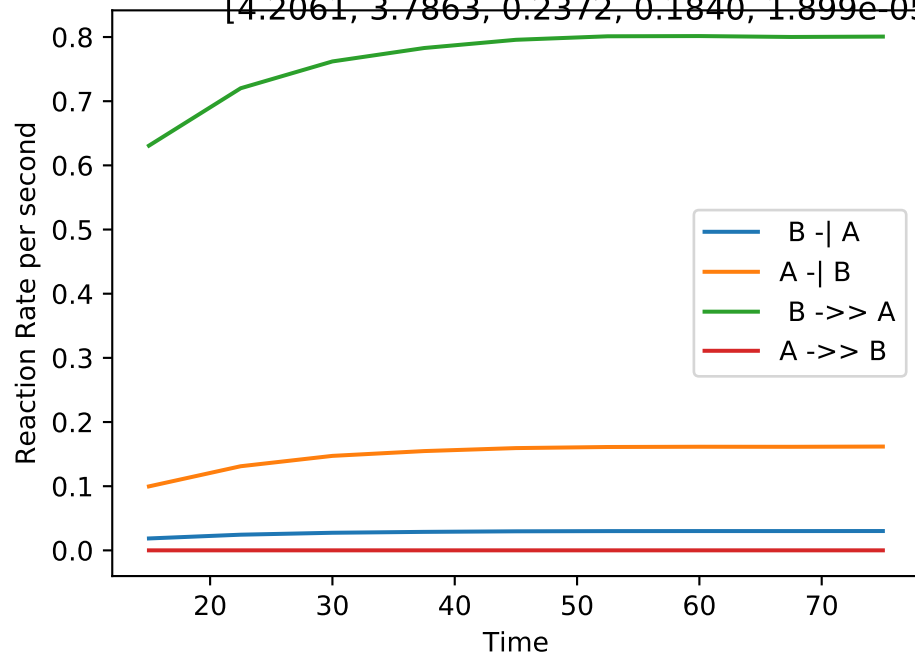
No_up | NLLA No_up(#379):

[4.0676, 4.0090, 0.1827, 0.1868, 1.114e-17, 8.31e-18, 0.0000, 0.0812, 0.0842, 0.0023]



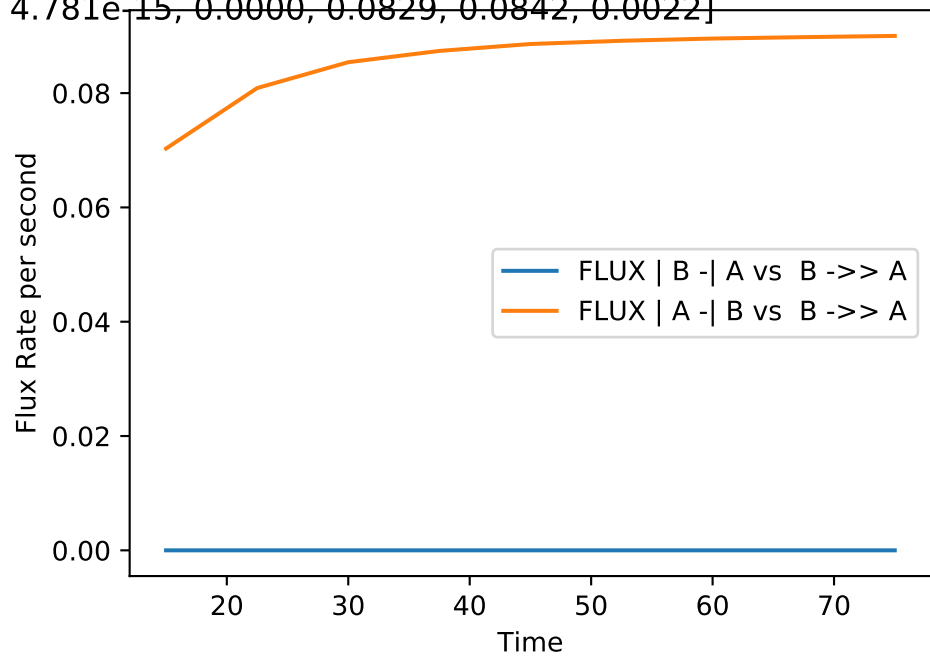
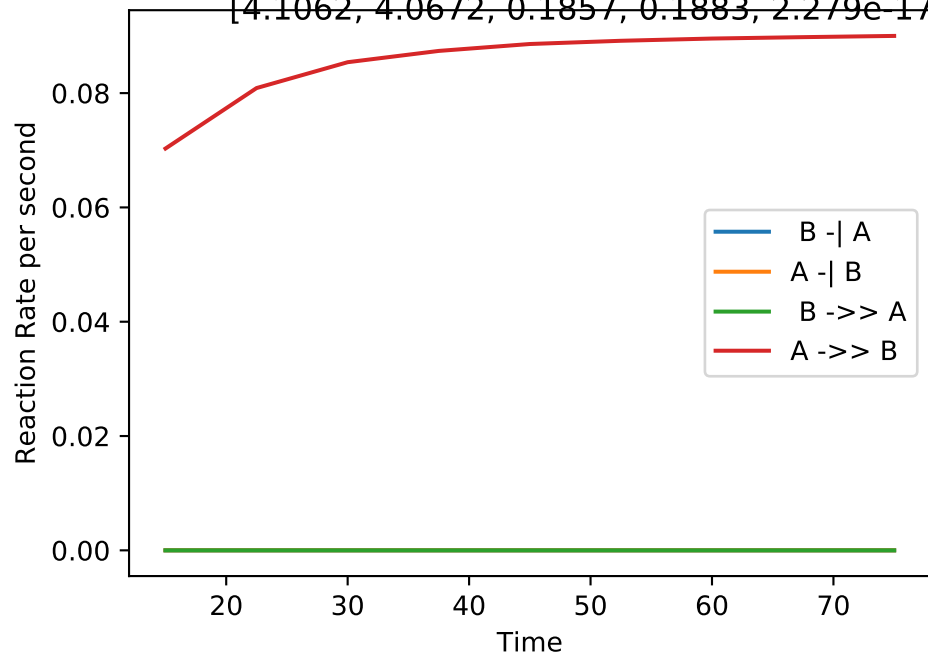
No_up | NLLA No_up(#380):

[4.2061, 3.7863, 0.2372, 0.1840, 1.899e-05, 0.0001019, 0.0201, 0.1122, 0.0928, 0.0000]



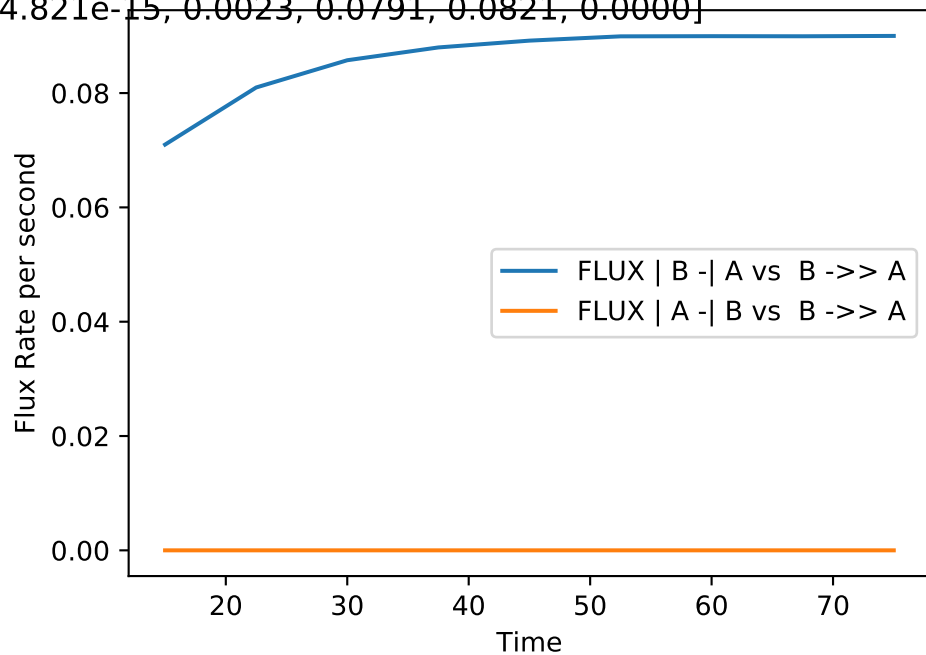
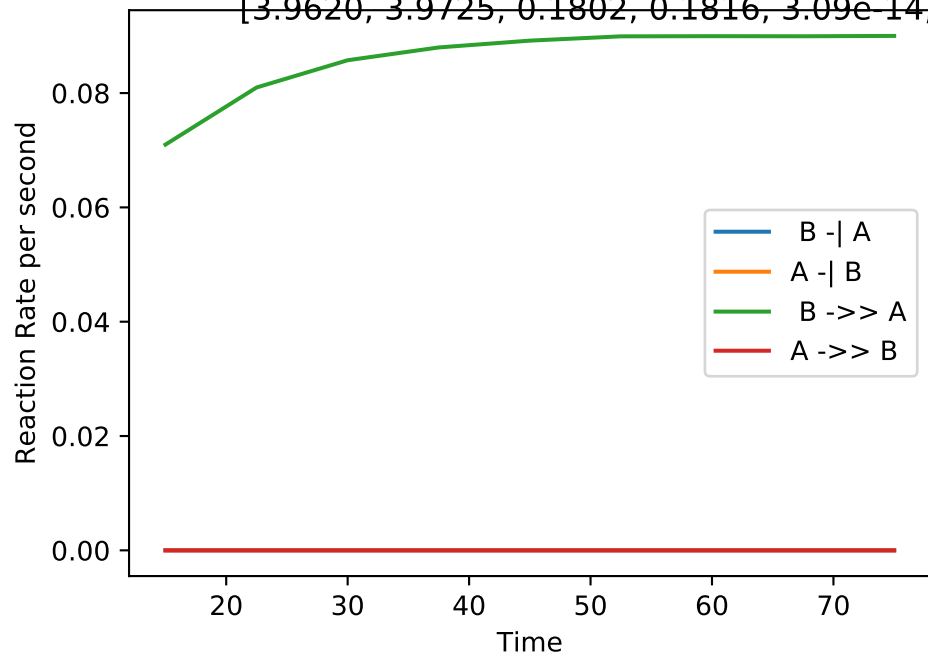
No_up | NLLA No_up(#381):

[4.1062, 4.0672, 0.1857, 0.1883, 2.279e-17, 4.781e-15, 0.0000, 0.0829, 0.0842, 0.0022]



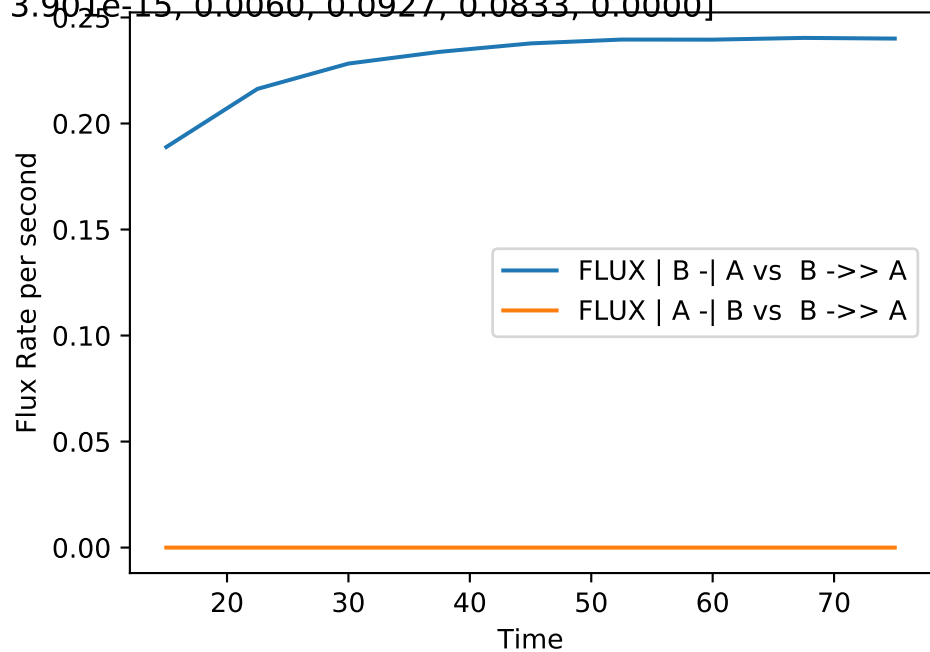
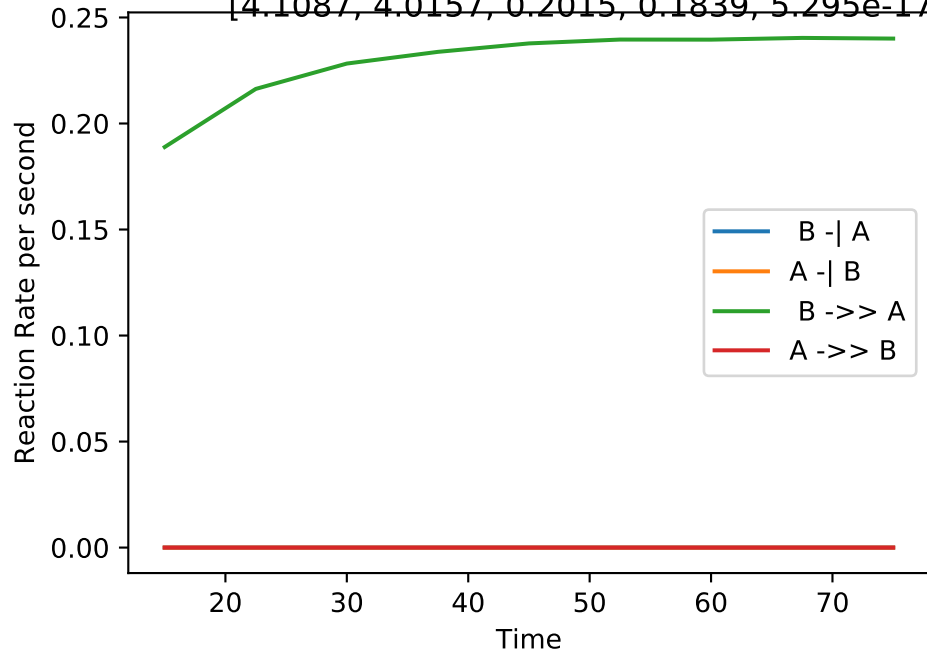
No_up | NLLA No_up(#382):

[3.9620, 3.9725, 0.1802, 0.1816, 3.09e-14, 4.821e-15, 0.0023, 0.0791, 0.0821, 0.0000]



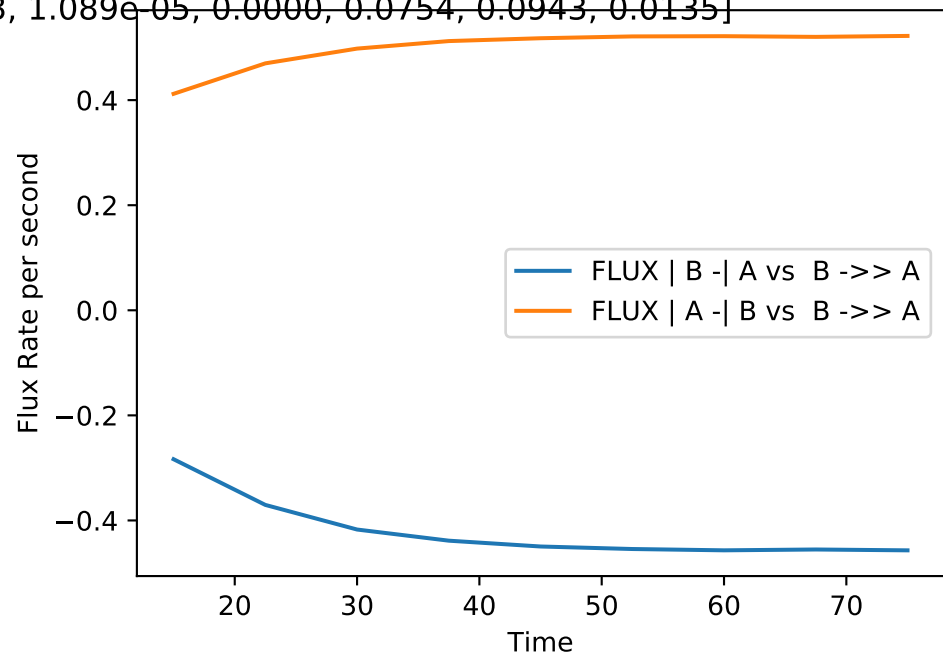
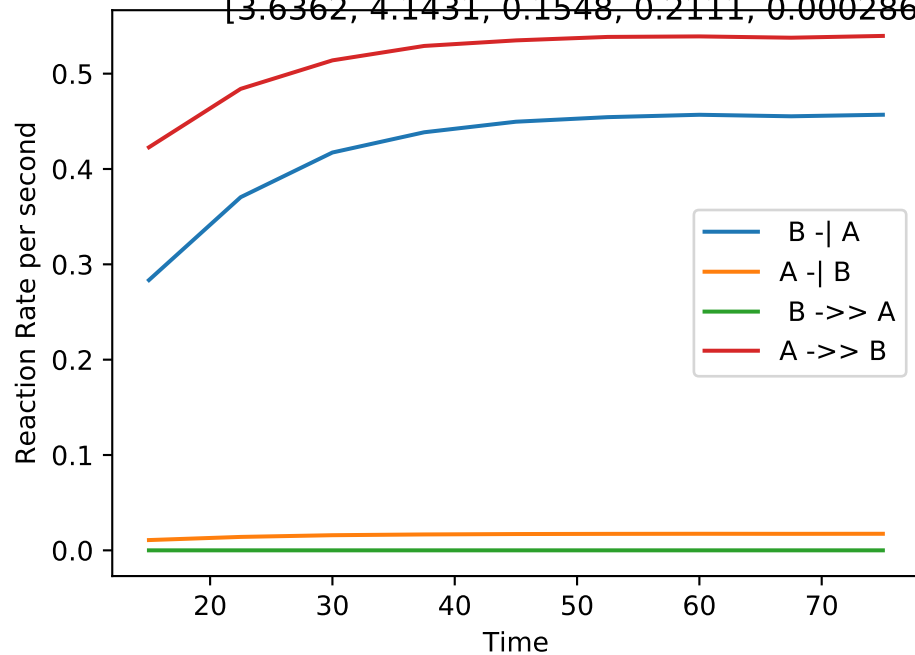
No_up | NLLA No_up(#383):

[4.1087, 4.0157, 0.2015, 0.1839, 5.295e-17, 3.901e-15, 0.0060, 0.0927, 0.0833, 0.0000]



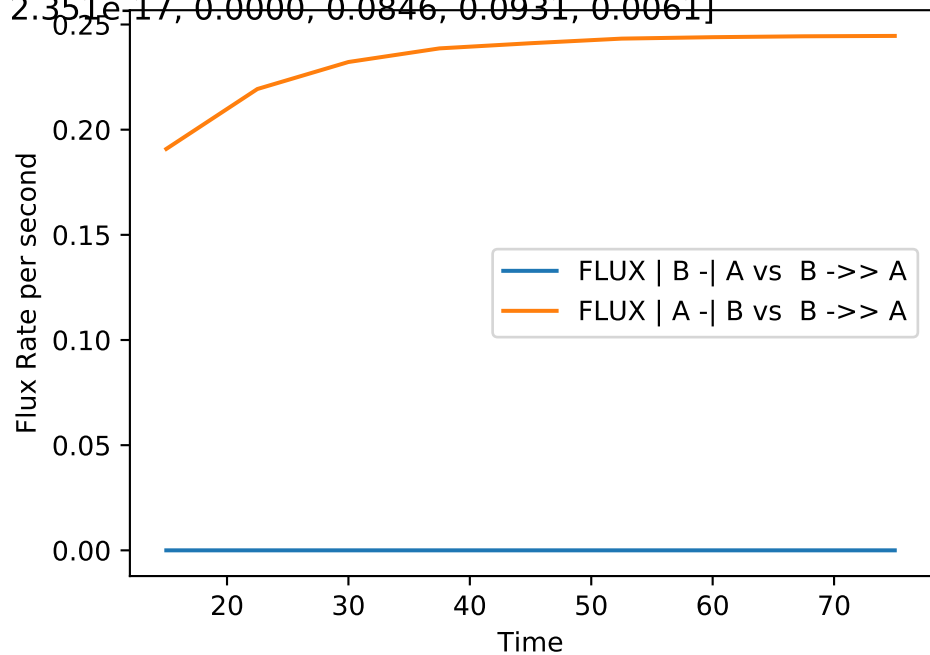
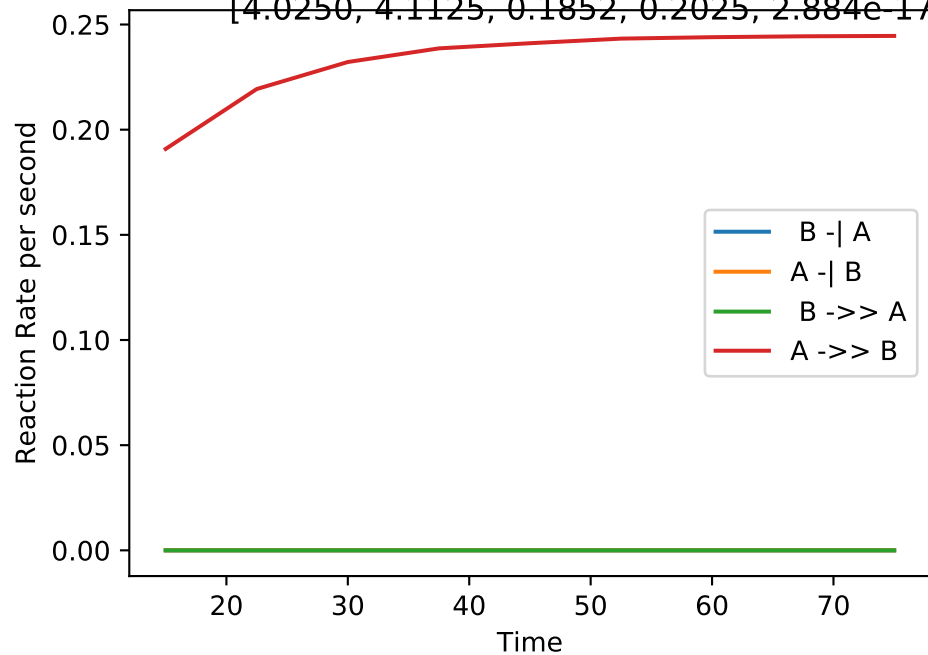
No_up | NLLA No_up(#384):

[3.6362, 4.1431, 0.1548, 0.2111, 0.0002863, 1.089e-05, 0.0000, 0.0754, 0.0943, 0.0135]



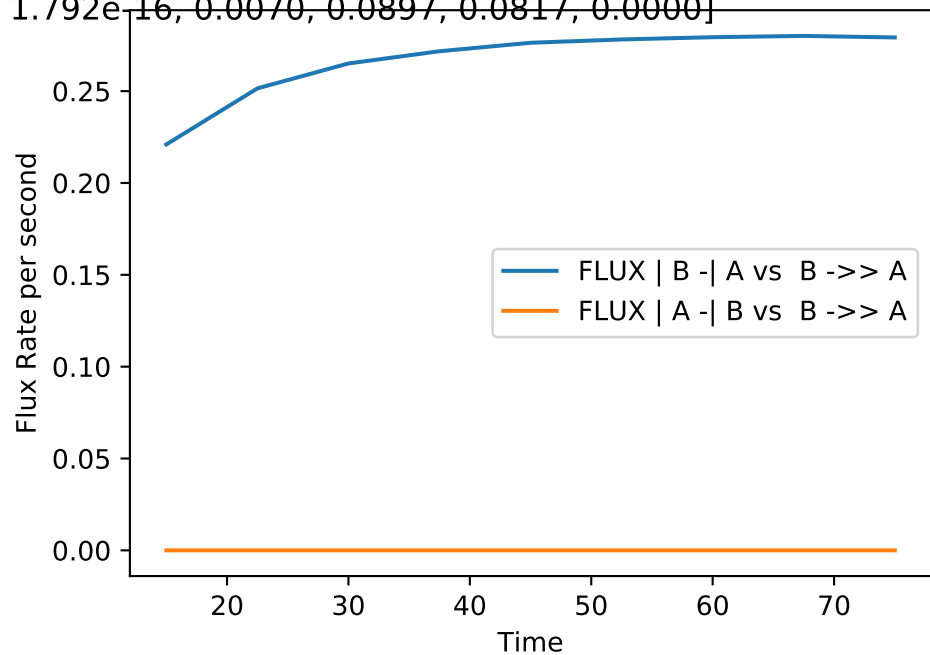
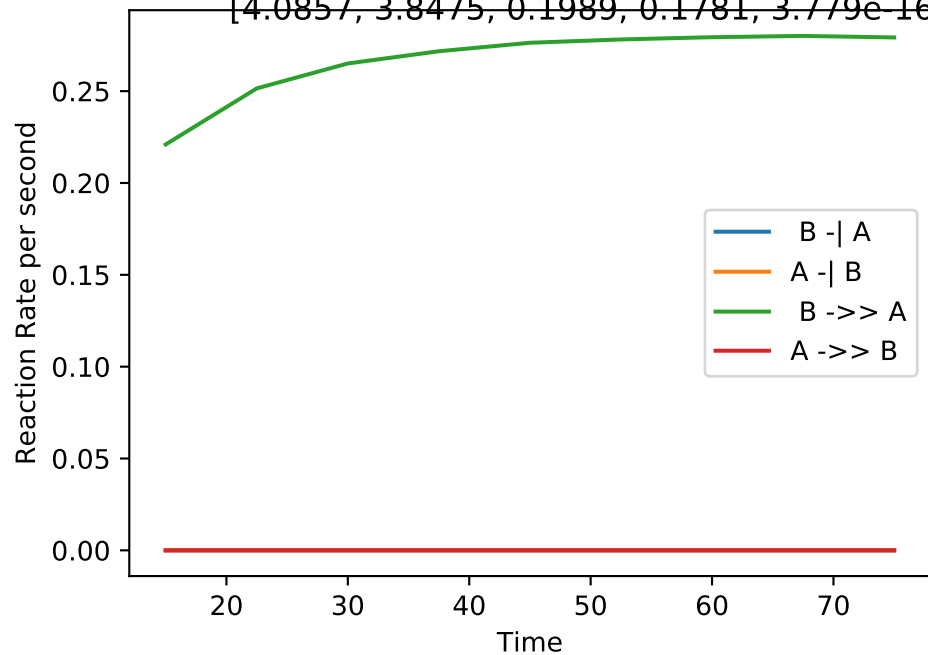
No_up | NLLA No_up(#385):

[4.0250, 4.1125, 0.1852, 0.2025, 2.884e-17, 2.351e-17, 0.0000, 0.0846, 0.0931, 0.0061]



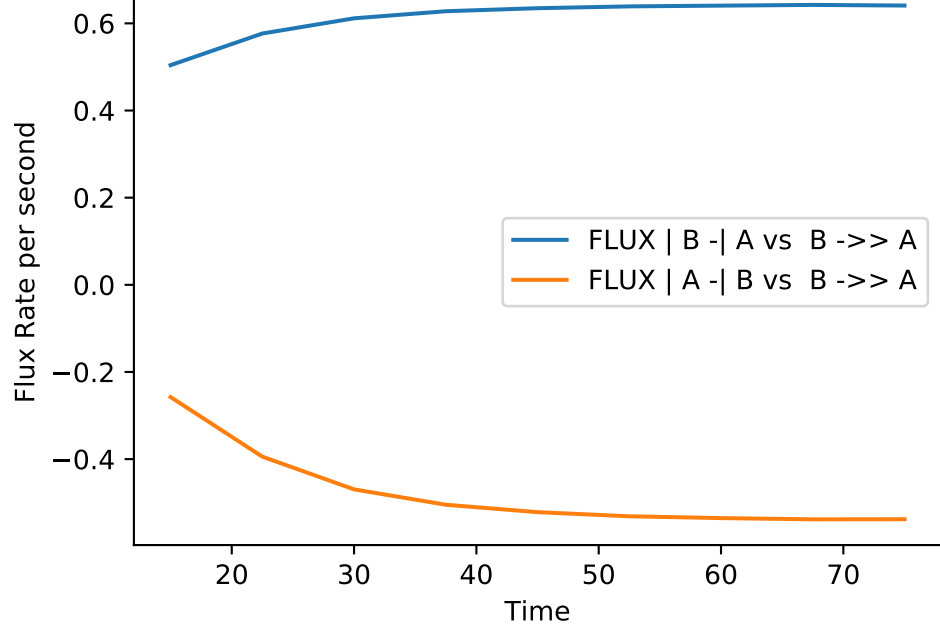
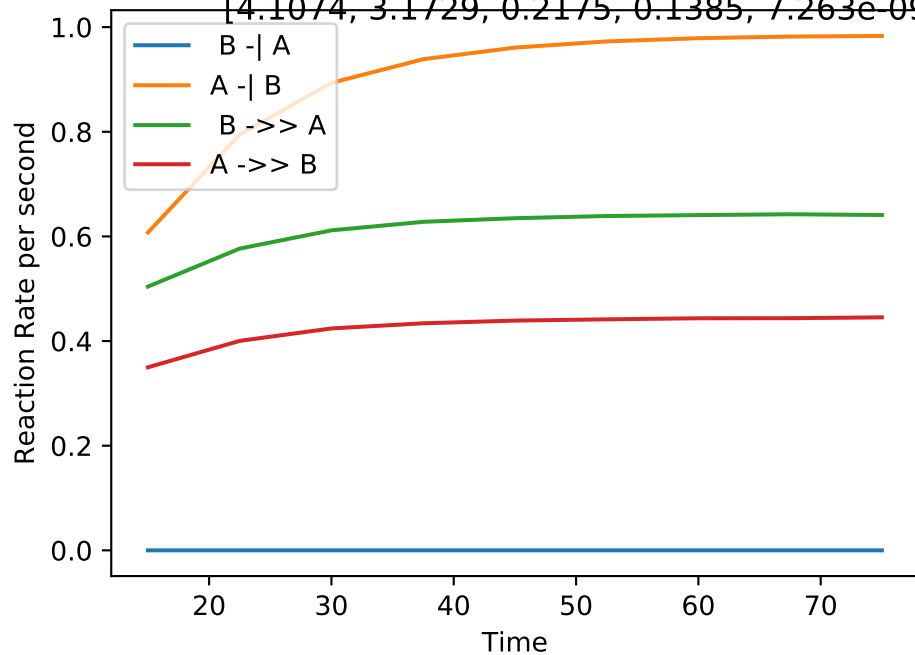
No_up | NLLA No_up(#386):

[4.0857, 3.8475, 0.1989, 0.1781, 3.779e-16, 1.792e-16, 0.0070, 0.0897, 0.0817, 0.0000]



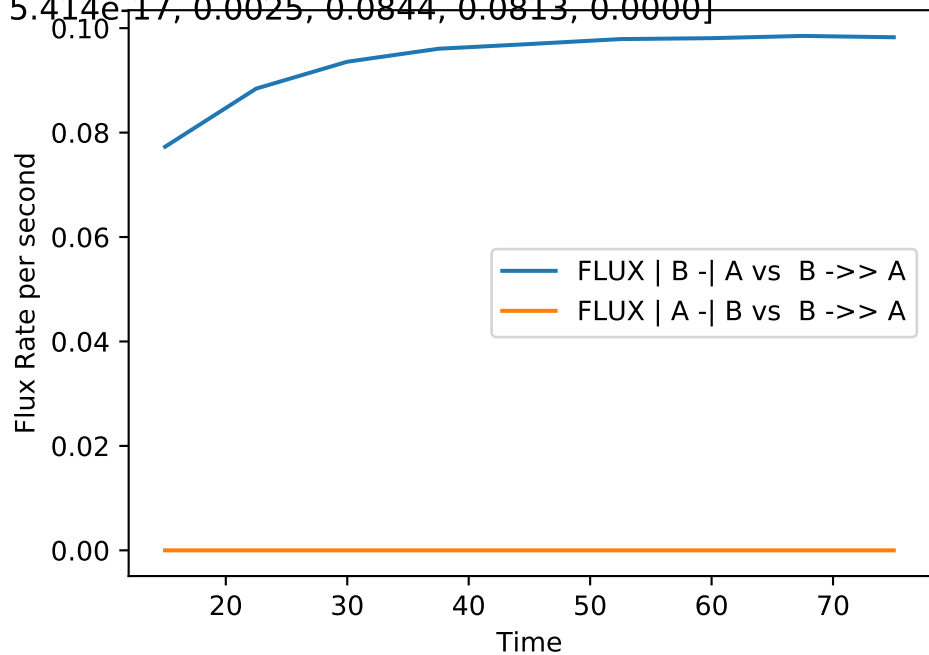
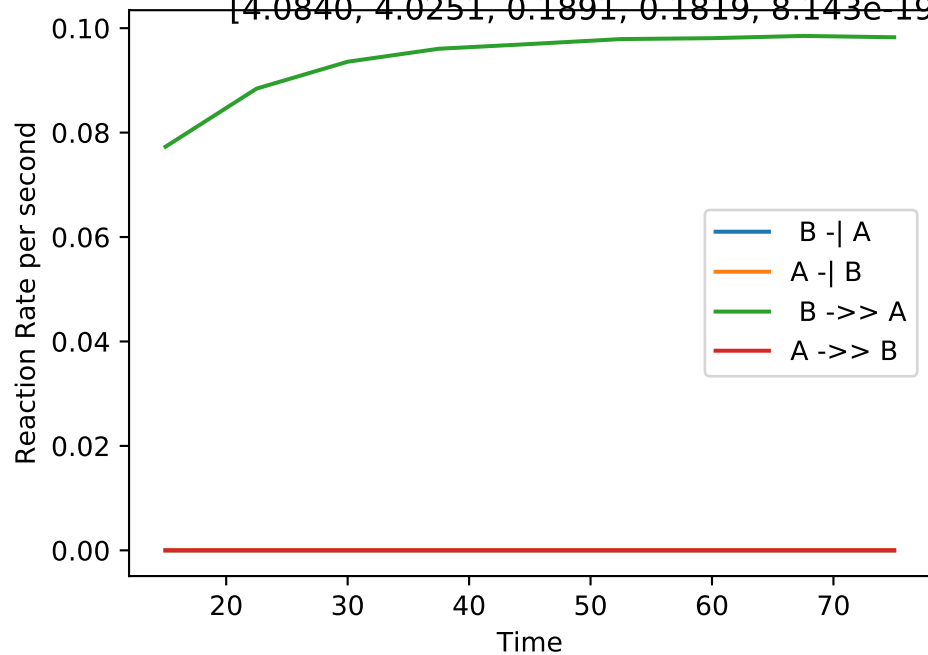
No_up | NLLA No_up(#387):

[4.1074, 3.1729, 0.2175, 0.1385, 7.263e-09, 0.0006161, 0.0161, 0.0986, 0.0724, 0.0111]



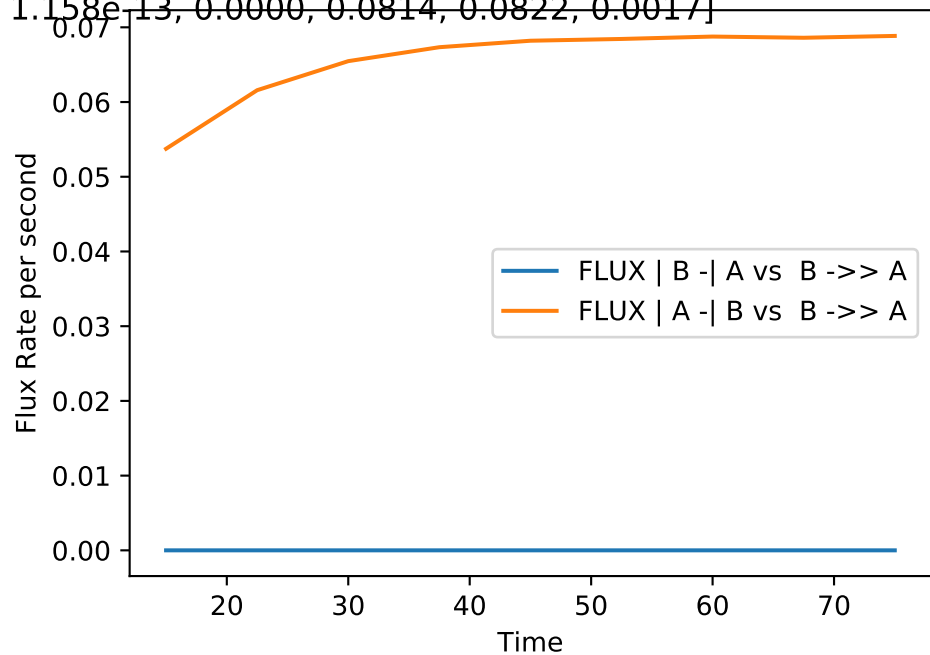
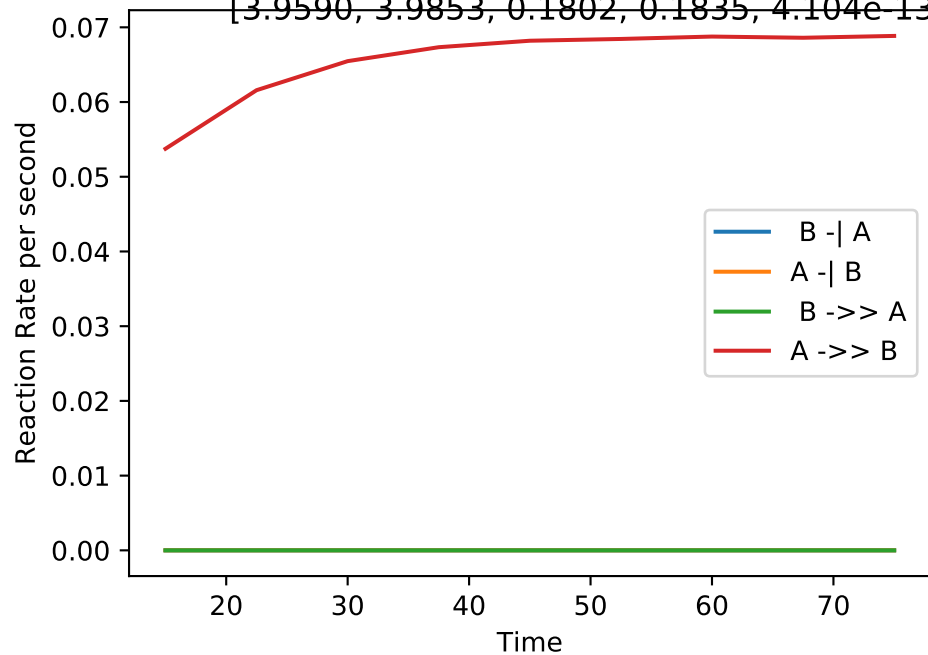
No_up | NLLA No_up(#388):

[4.0840, 4.0251, 0.1891, 0.1819, 8.143e-19, 5.414e-17, 0.0025, 0.0844, 0.0813, 0.0000]



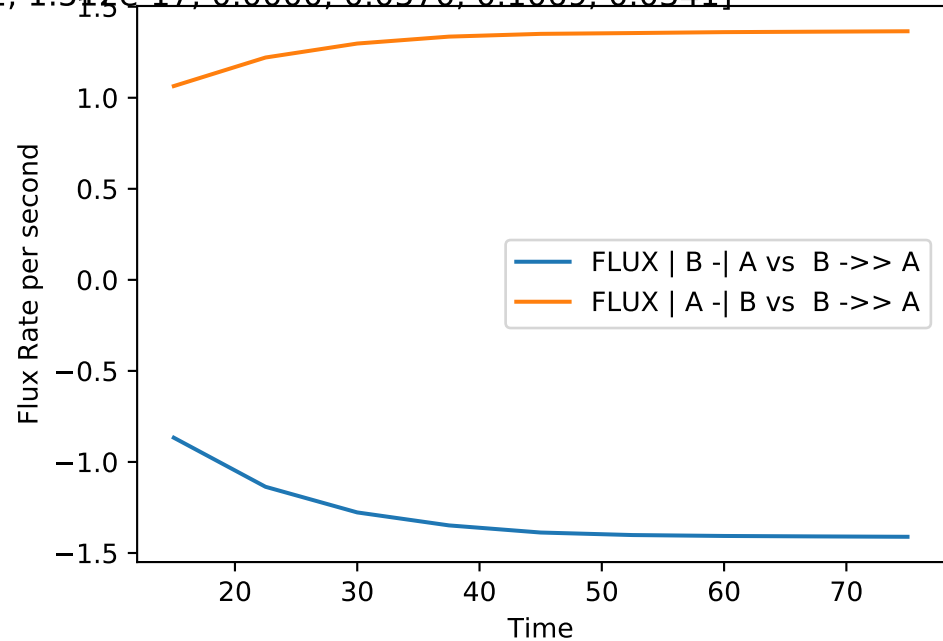
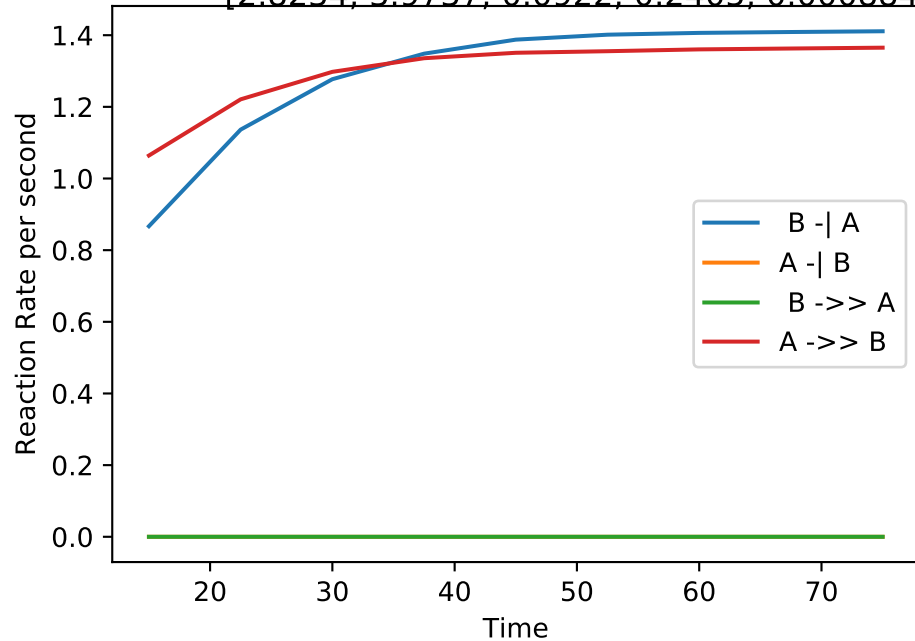
No_up | NLLA No_up(#389):

[3.9590, 3.9853, 0.1802, 0.1835, 4.104e-13, 1.158e-13, 0.0000, 0.0814, 0.0822, 0.0017]



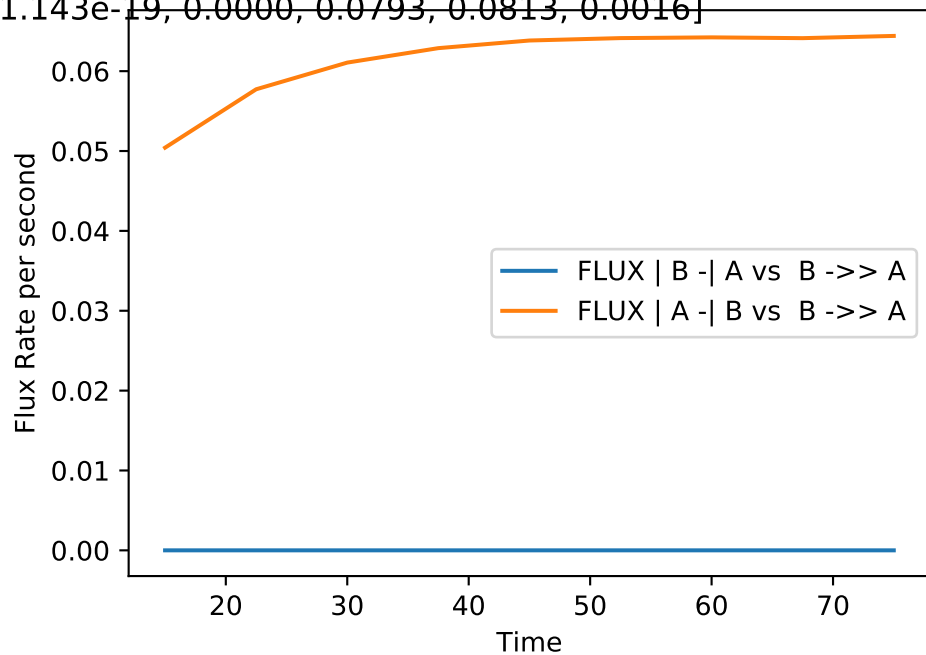
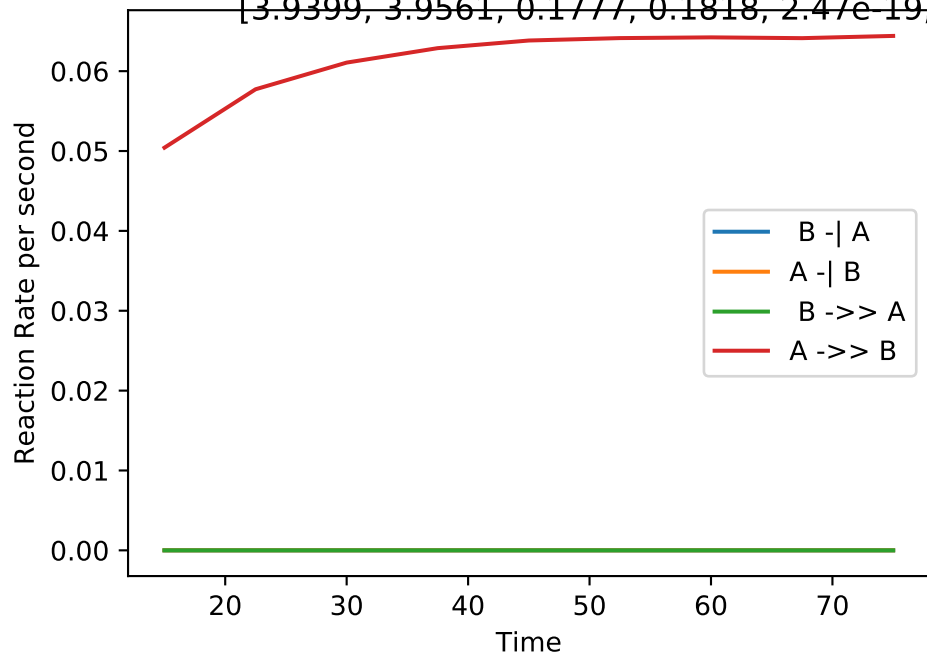
No_up | NLLA No_up(#390):

[2.8234, 3.9737, 0.0922, 0.2405, 0.0008841, 1.512e-17, 0.0000, 0.0570, 0.1069, 0.0341]



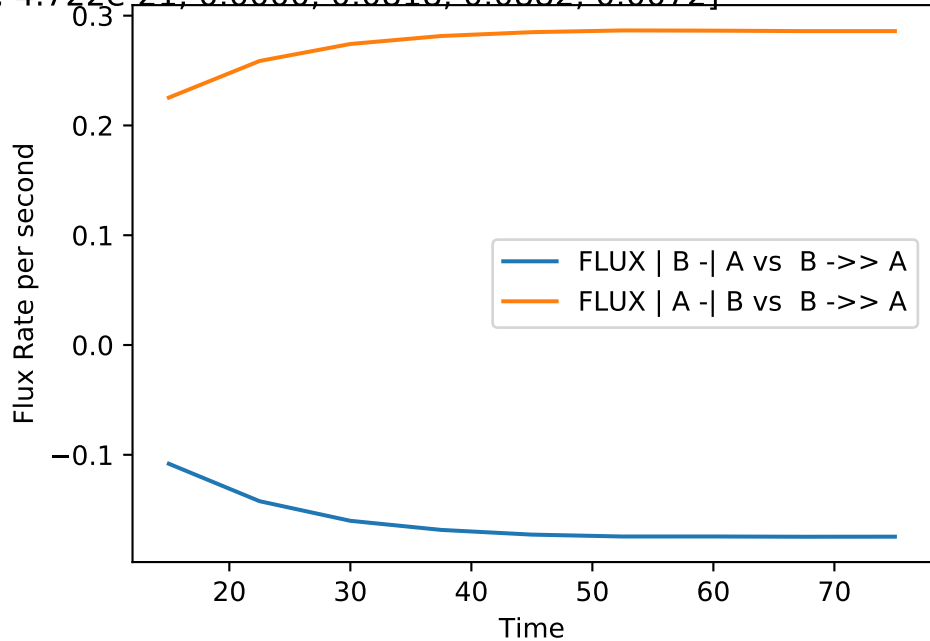
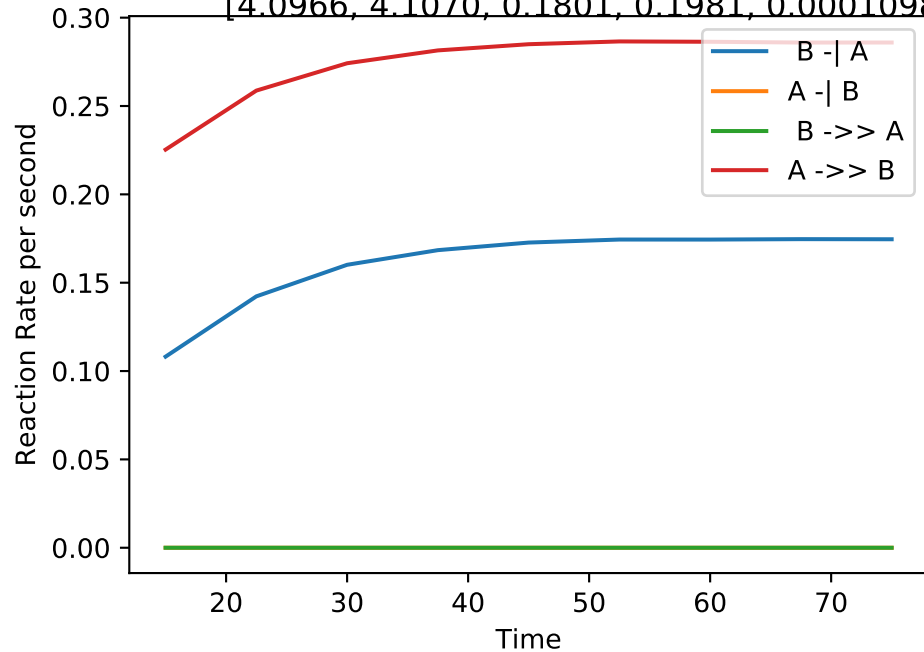
No_up | NLLA No_up(#391):

[3.9399, 3.9561, 0.1777, 0.1818, 2.47e-19, 1.143e-19, 0.0000, 0.0793, 0.0813, 0.0016]



No_up | NLLA No_up(#392):

[4.0966, 4.1070, 0.1801, 0.1981, 0.0001098, 4.722e-21, 0.0000, 0.0818, 0.0882, 0.0072]



No_up | NLLA No_up(#393):

[3.9168, 4.0337, 0.1761, 0.1869, 5.535e-16, 2.957e-15, 0.0000, 0.0782, 0.0843, 0.0015]

Reaction Rate per second

0.06
0.05
0.04
0.03
0.02
0.01
0.00

20

30

40

50

60

70

Time



Flux Rate per second

0.06
0.05
0.04
0.03
0.02
0.01
0.00

20

30

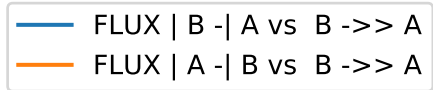
40

50

60

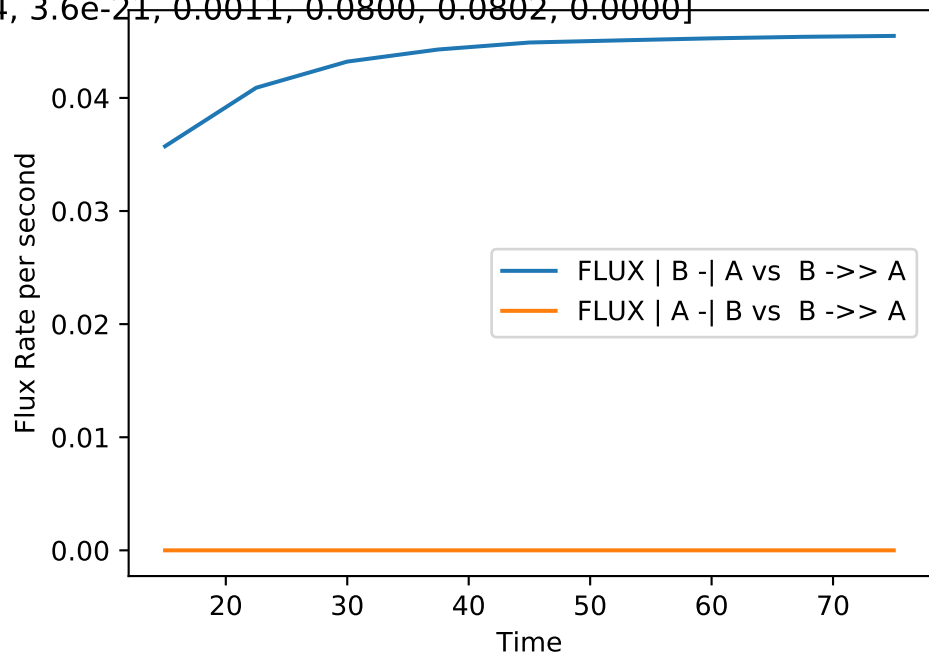
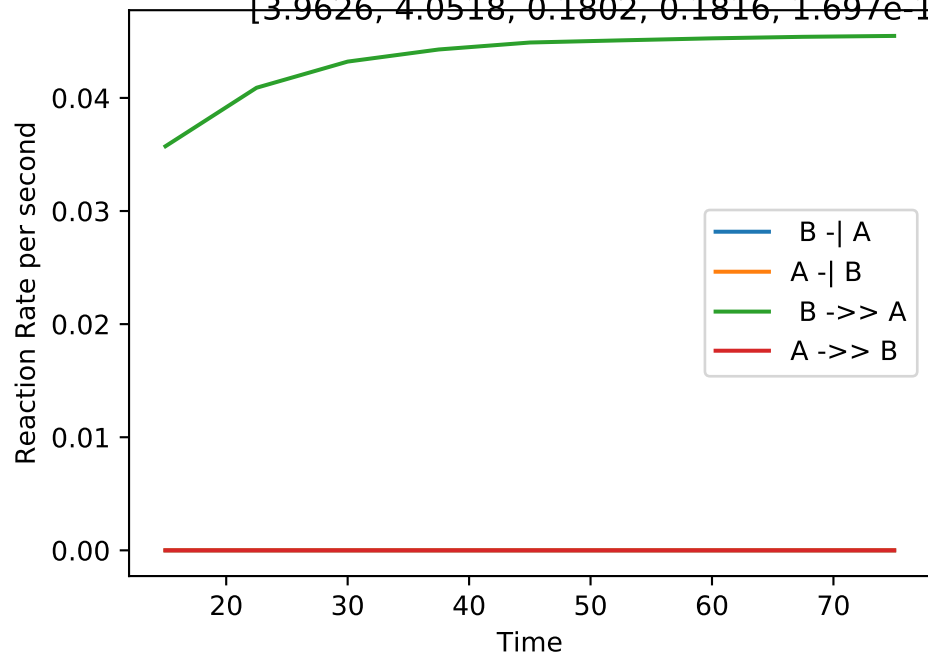
70

Time



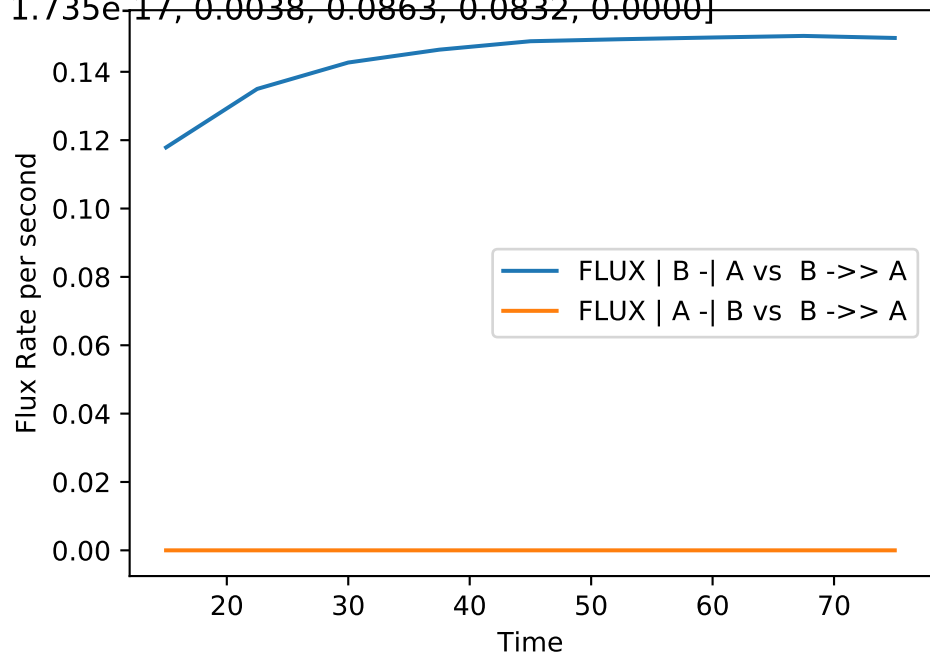
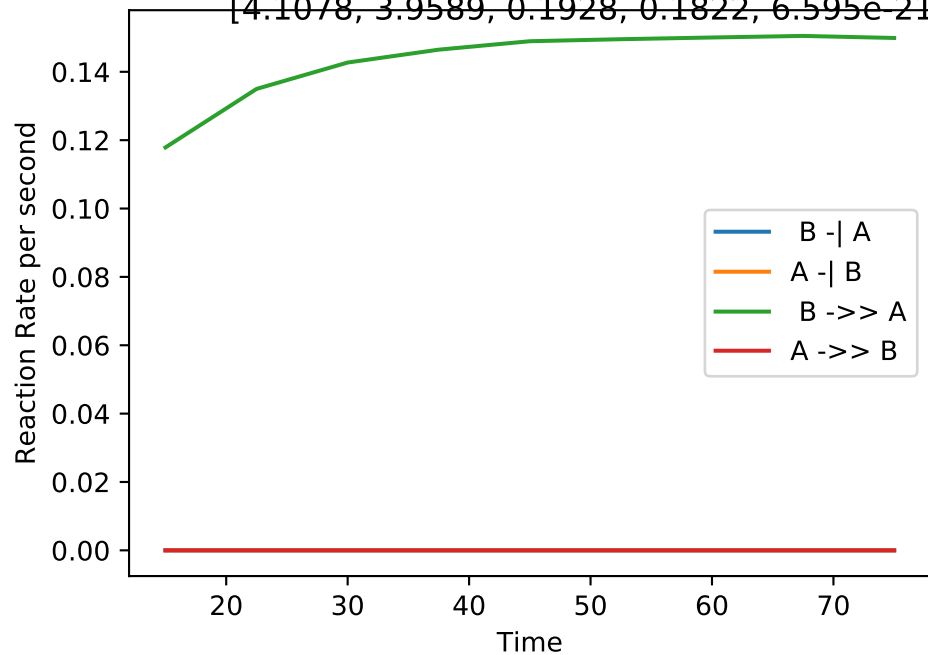
No_up | NLLA No_up(#394):

[3.9626, 4.0518, 0.1802, 0.1816, 1.697e-14, 3.6e-21, 0.0011, 0.0800, 0.0802, 0.0000]



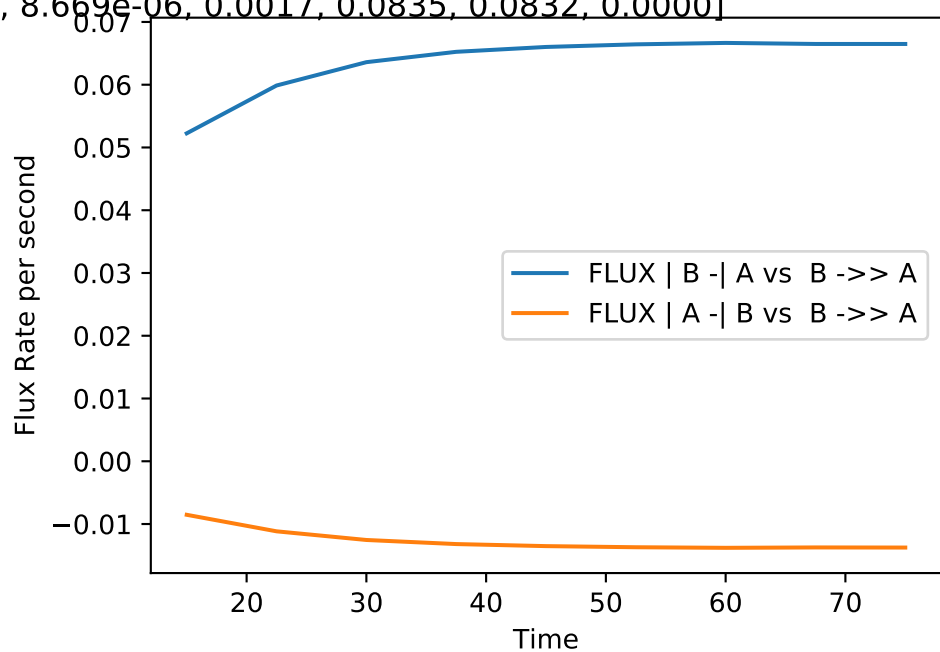
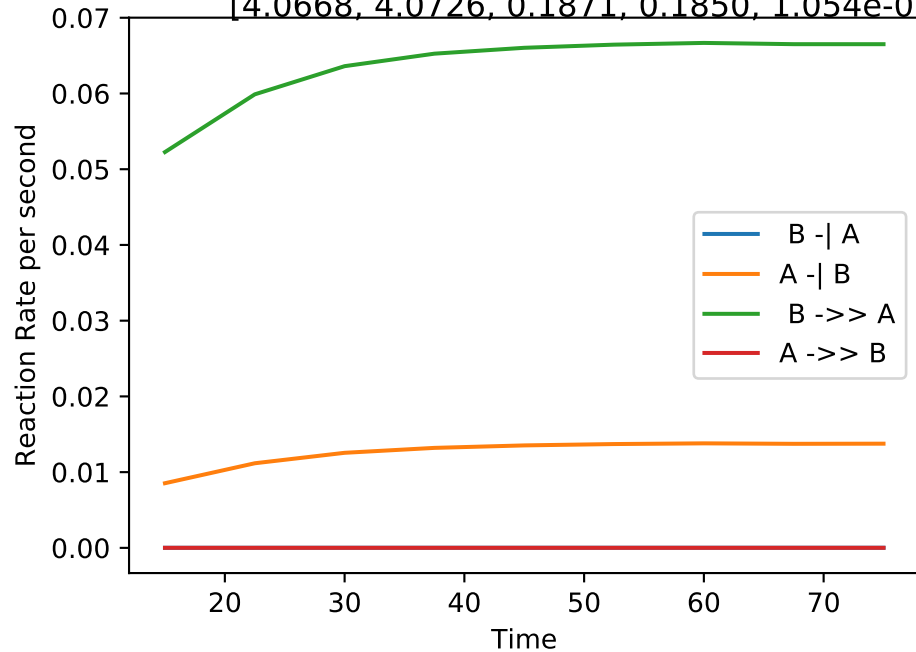
No_up | NLLA No_up(#395):

[4.1078, 3.9589, 0.1928, 0.1822, 6.595e-21, 1.735e-17, 0.0038, 0.0863, 0.0832, 0.0000]



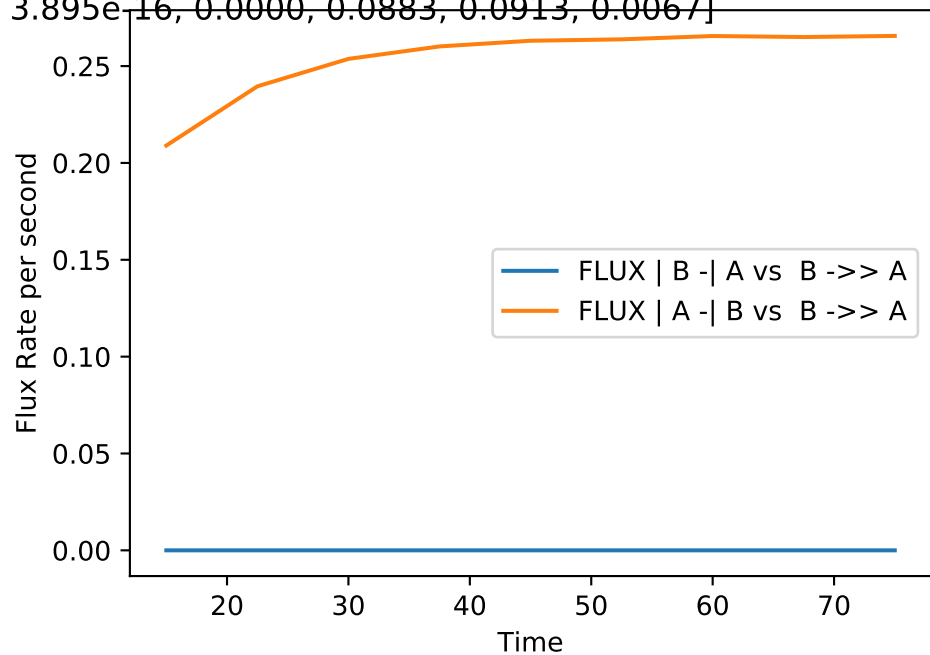
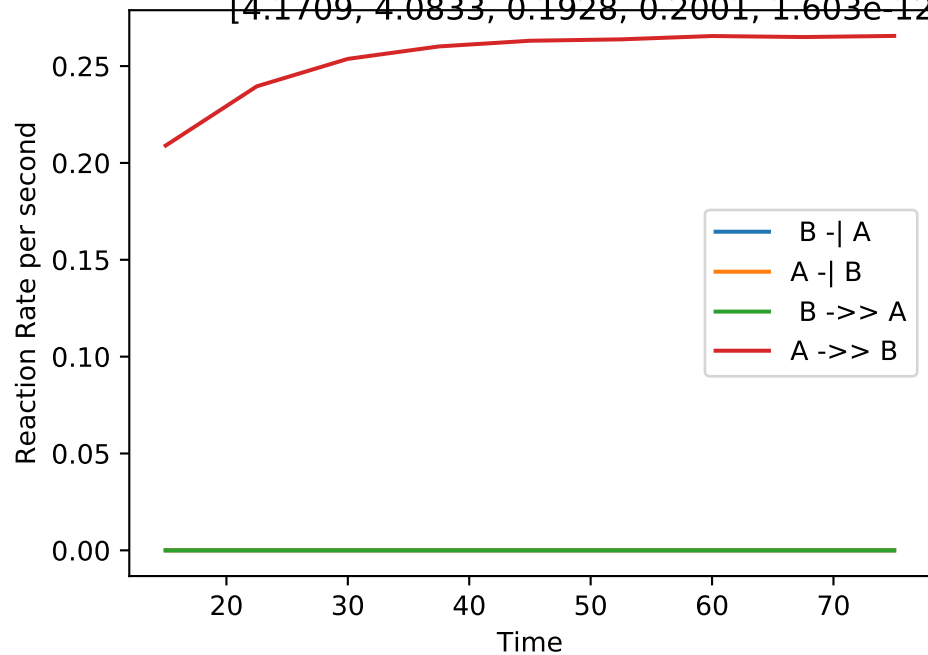
No_up | NLLA No_up(#396):

[4.0668, 4.0726, 0.1871, 0.1850, 1.054e-08, 8.669e-06, 0.0017, 0.0835, 0.0832, 0.0000]



No_up | NLLA No_up(#397):

[4.1709, 4.0833, 0.1928, 0.2001, 1.603e-12, 3.895e-16, 0.0000, 0.0883, 0.0913, 0.0067]



No_up | NLLA No_up(#398):

[4.0423, 4.0707, 0.1852, 0.1961, 3.557e-13, 2.476e-17, 0.0000, 0.0843, 0.0889, 0.0053]

Reaction Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

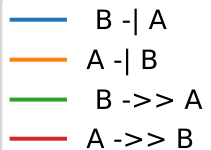
40

50

60

70

Time



Flux Rate per second

0.20
0.15
0.10
0.05
0.00

20

30

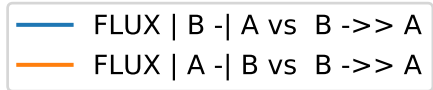
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Time



No_up | NLLA No_up(#399):

[3.9558, 4.0503, 0.1819, 0.1832, 1.007e-18, 3.06e-18, 0.0022, 0.0808, 0.0818, 0.0000]

