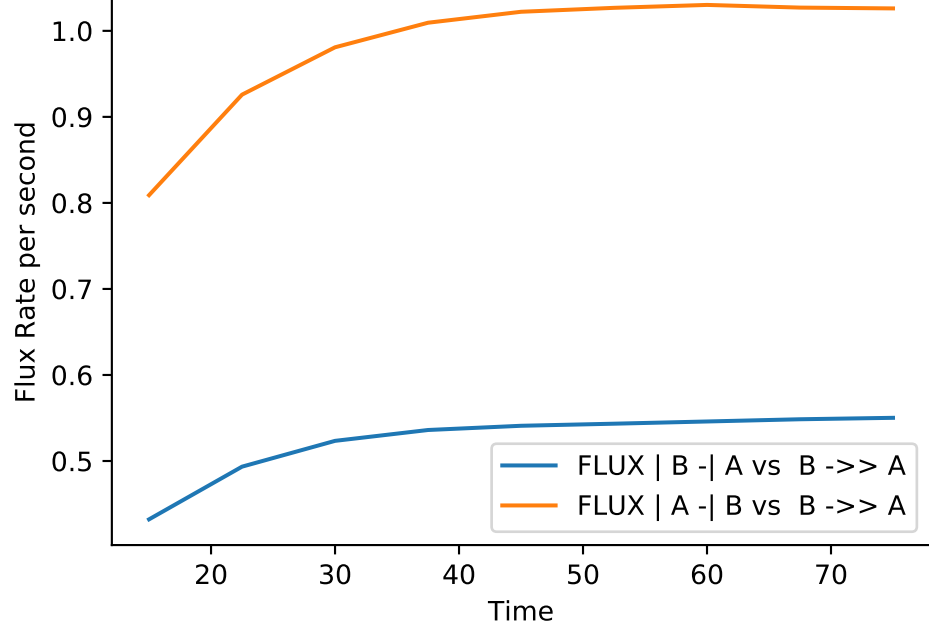
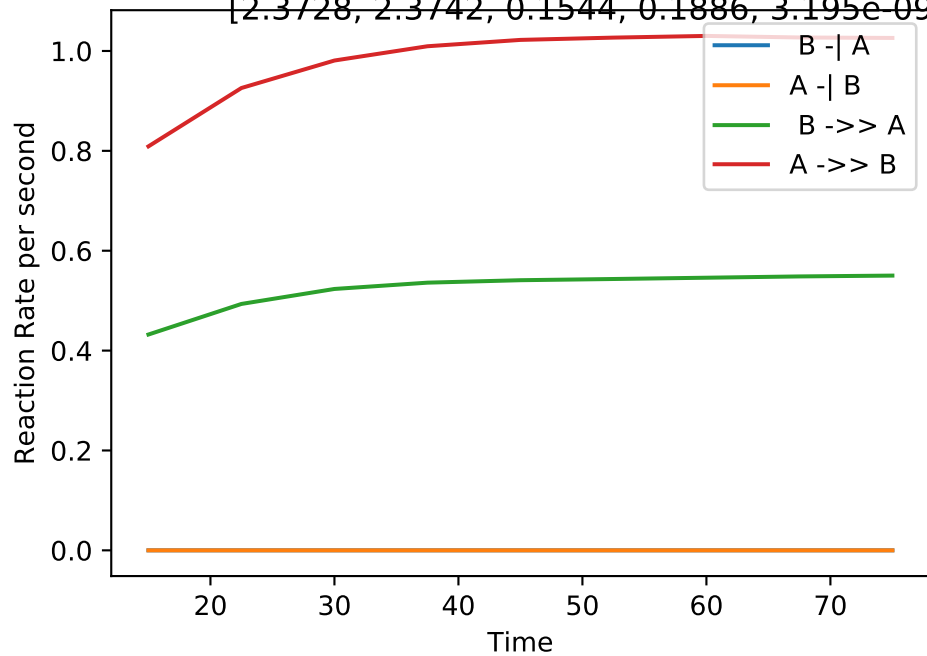


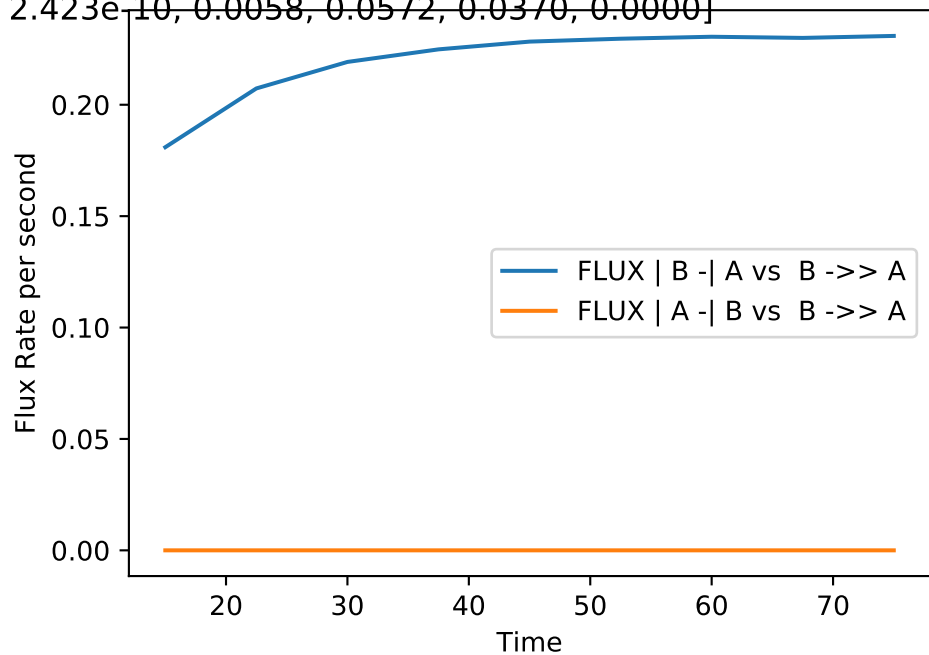
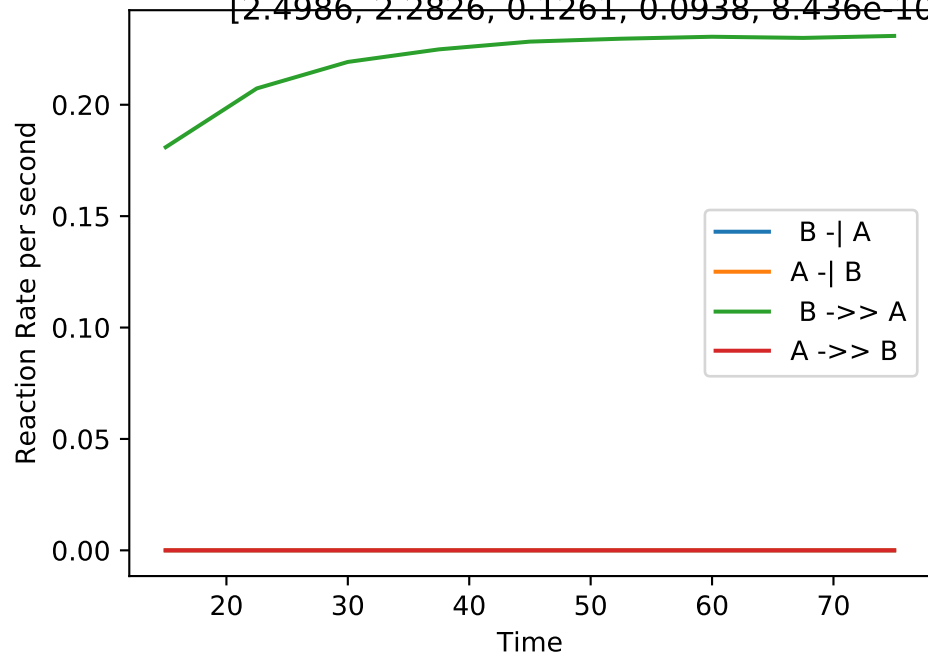
No_up | MB-LLS No_up(#0):

[2.3728, 2.3742, 0.1544, 0.1886, 3.195e-09, 7.006e-09, 0.0137, 0.0799, 0.1013, 0.0258]



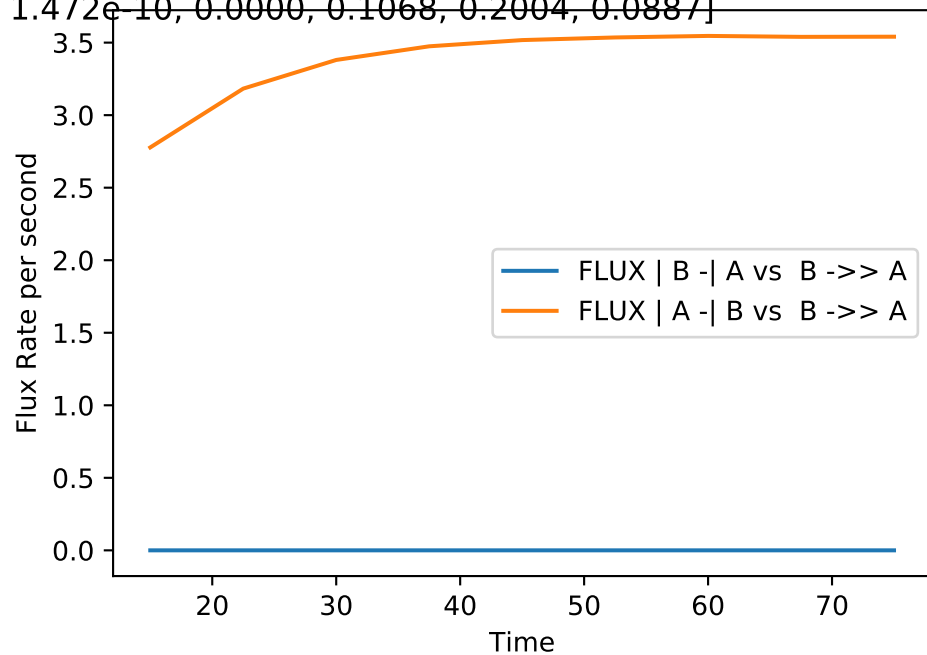
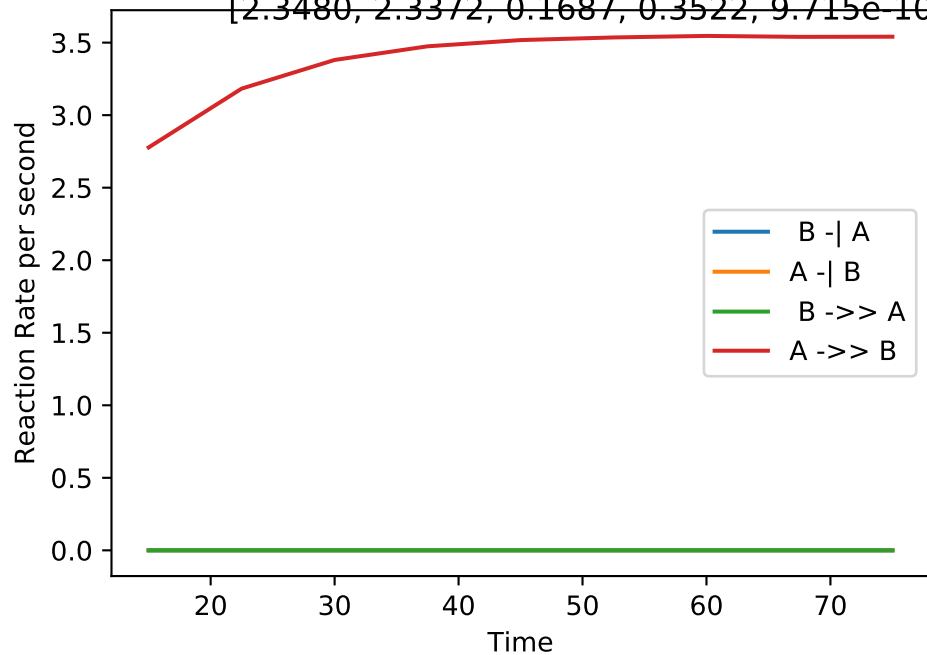
No_up | MB-LLS No_up(#1):

[2.4986, 2.2826, 0.1261, 0.0938, 8.436e-10, 2.423e-10, 0.0058, 0.0572, 0.0370, 0.0000]



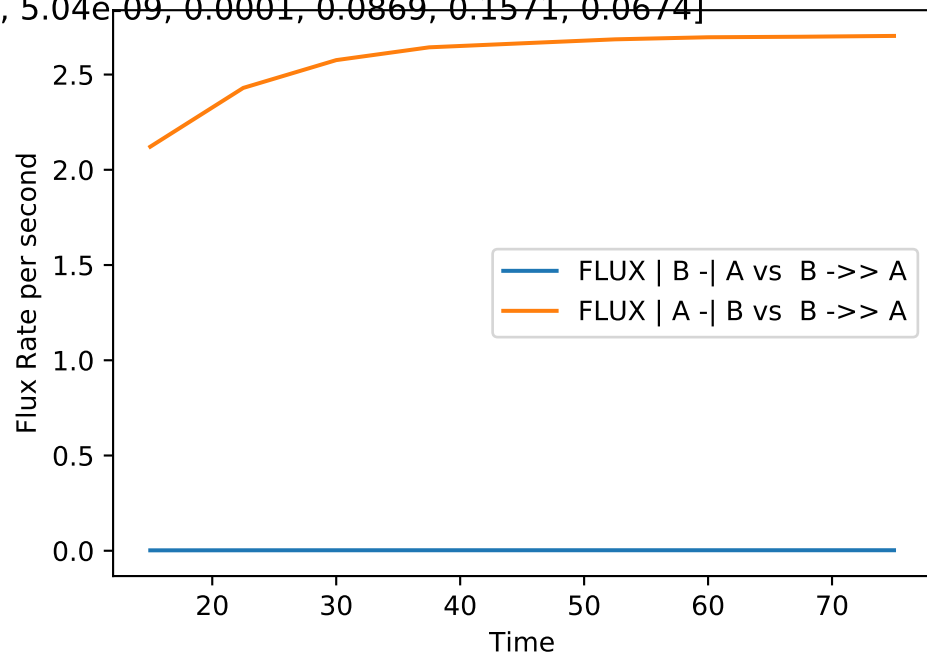
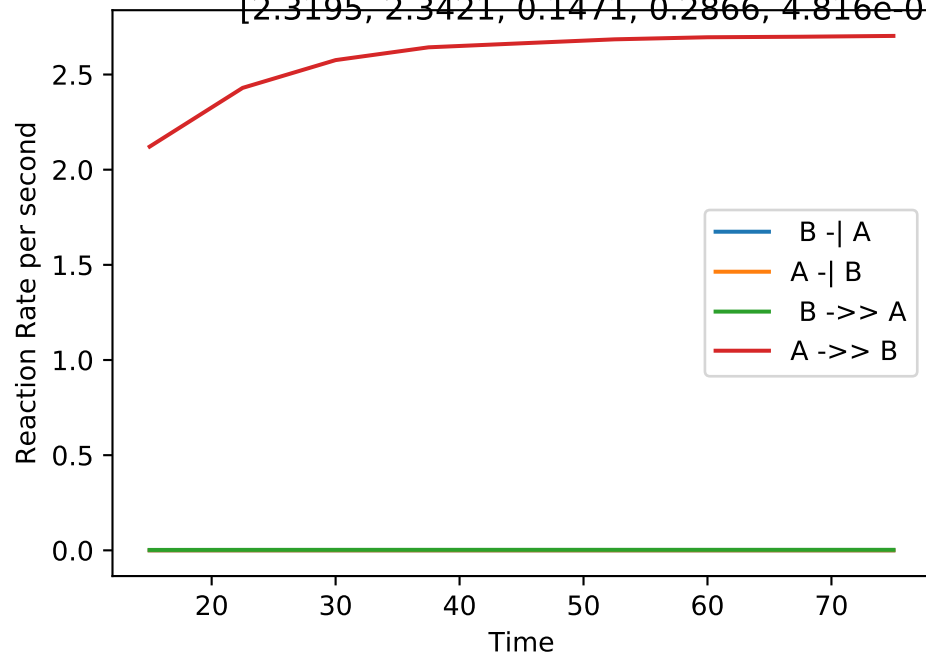
No_up | MB-LLS No_up(#2):

[2.3480, 2.3372, 0.1687, 0.3522, 9.715e-10, 1.472e-10, 0.0000, 0.1068, 0.2004, 0.0887]



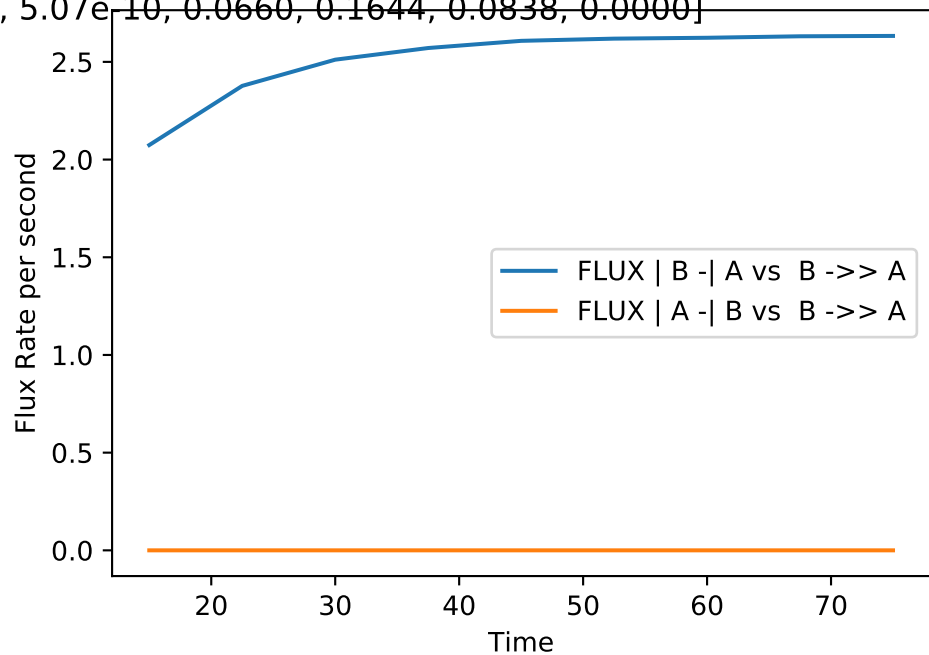
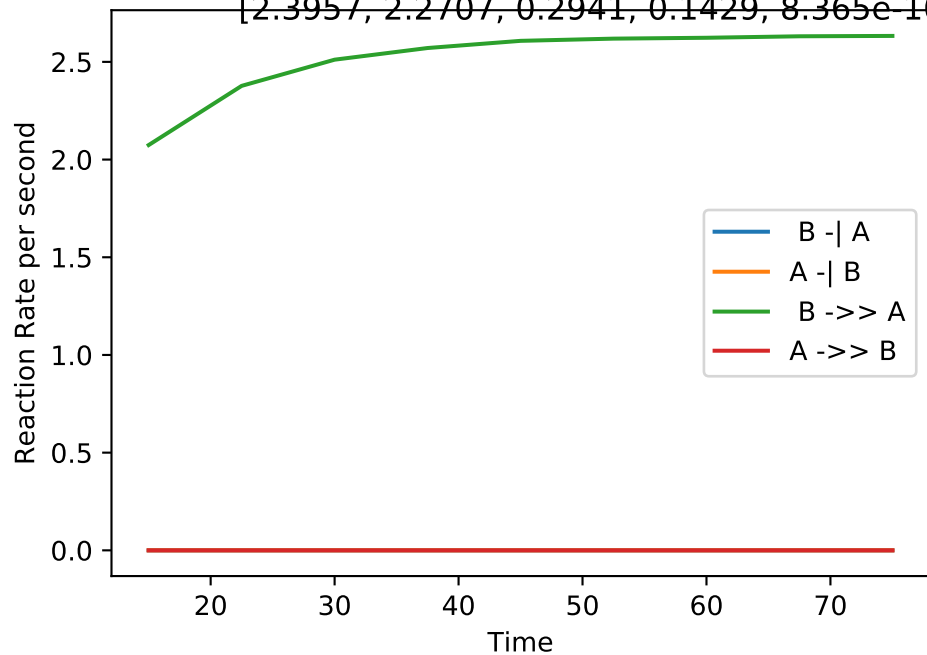
No_up | MB-LLS No_up(#3):

[2.3195, 2.3421, 0.1471, 0.2866, 4.816e-09, 5.04e-09, 0.0001, 0.0869, 0.1571, 0.0674]



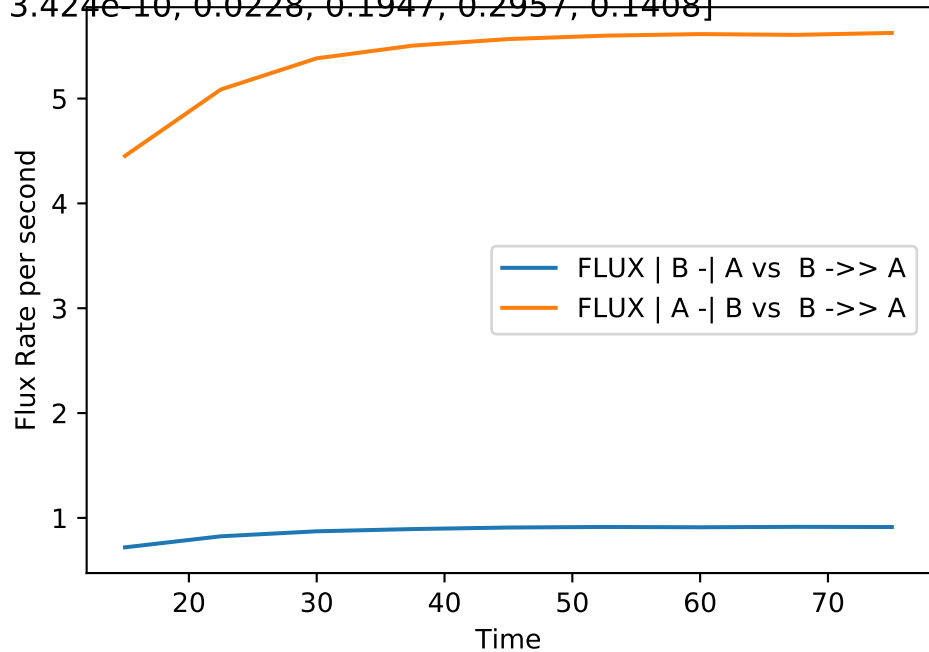
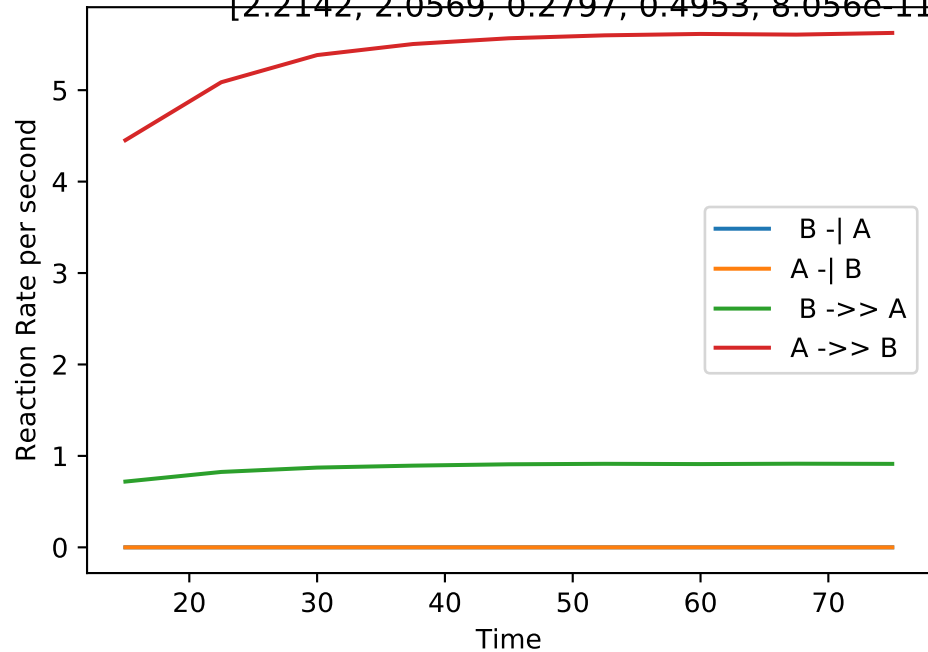
No_up | MB-LLS No_up(#4):

[2.3957, 2.2707, 0.2941, 0.1429, 8.365e-10, 5.07e-10, 0.0660, 0.1644, 0.0838, 0.0000]



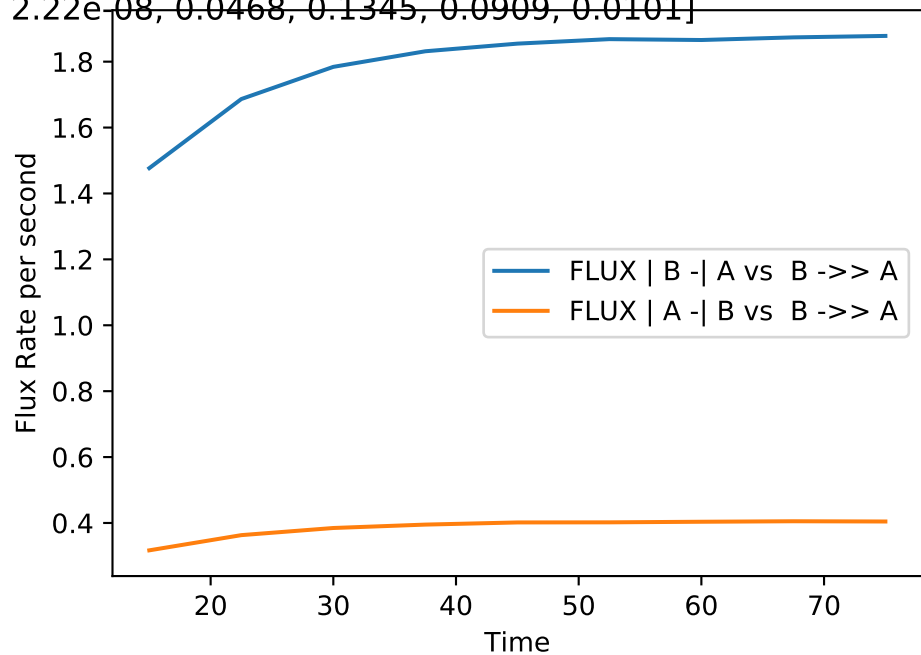
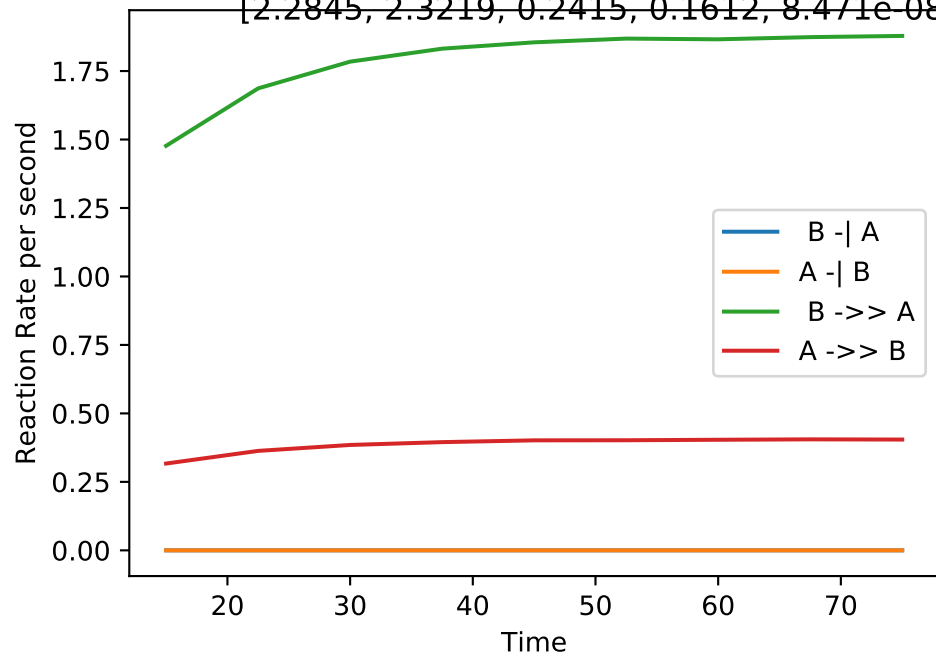
No_up | MB-LLS No_up(#5):

[2.2142, 2.0569, 0.2797, 0.4953, 8.056e-11, 3.424e-10, 0.0228, 0.1947, 0.2957, 0.1408]



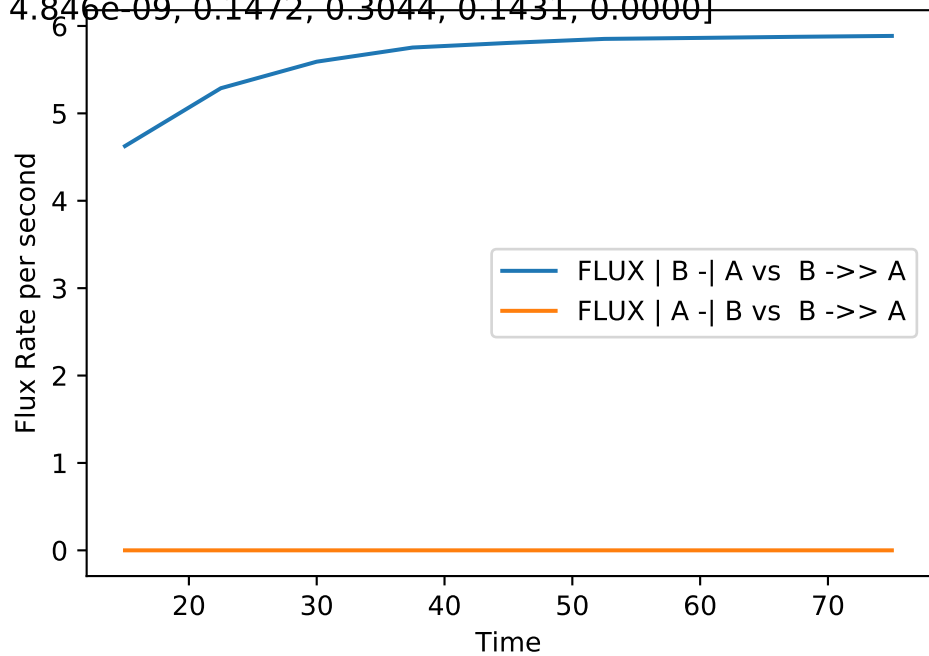
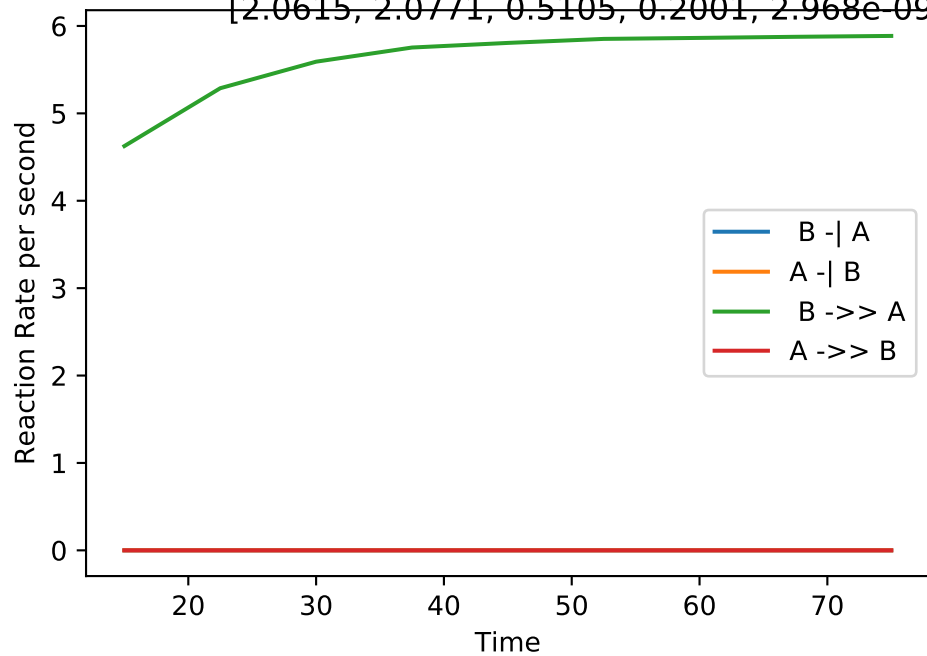
No_up | MB-LLS No_up(#6):

[2.2845, 2.3219, 0.2415, 0.1612, 8.471e-08, 2.22e-08, 0.0468, 0.1345, 0.0909, 0.0101]



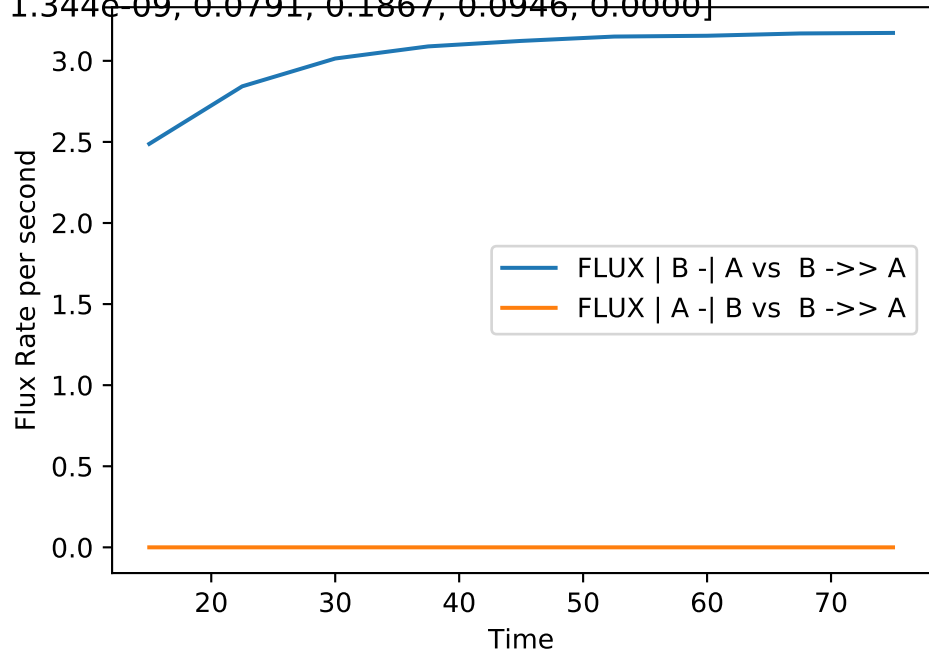
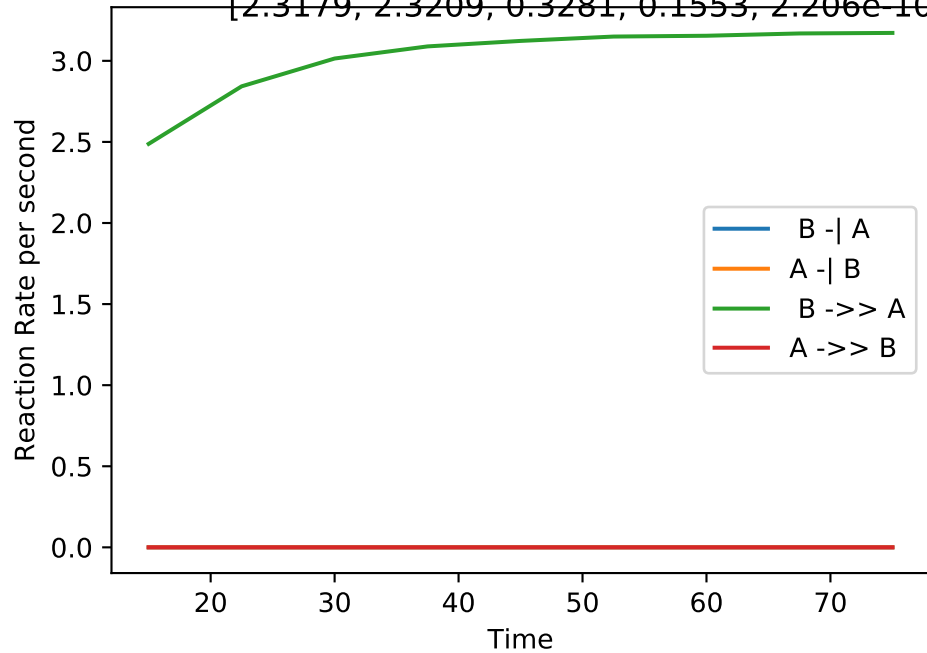
No_up | MB-LLS No_up(#7):

[2.0615, 2.0771, 0.5105, 0.2001, 2.968e-09, 4.846e-09, 0.1472, 0.3044, 0.1431, 0.0000]



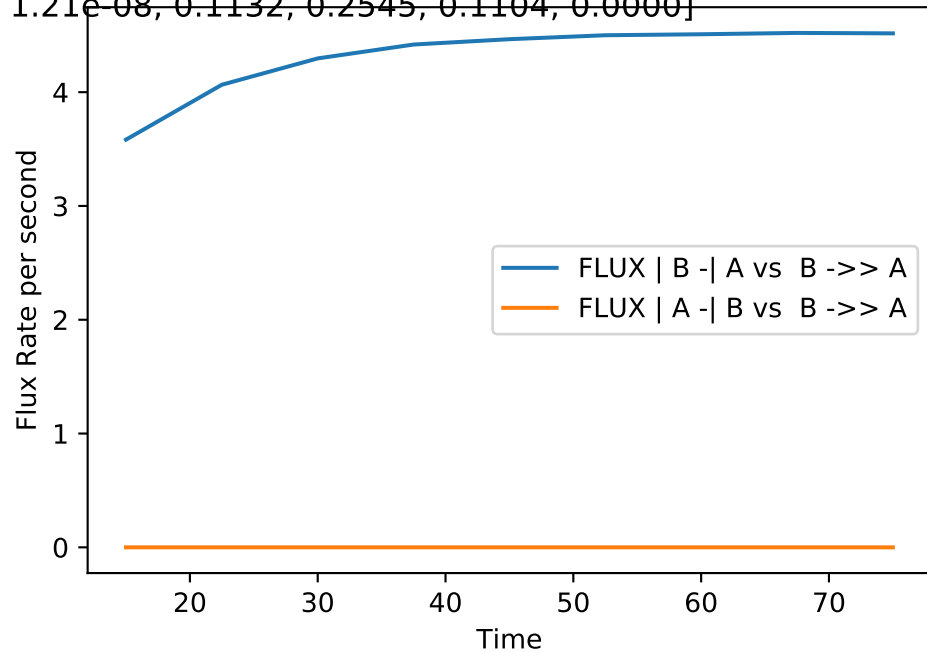
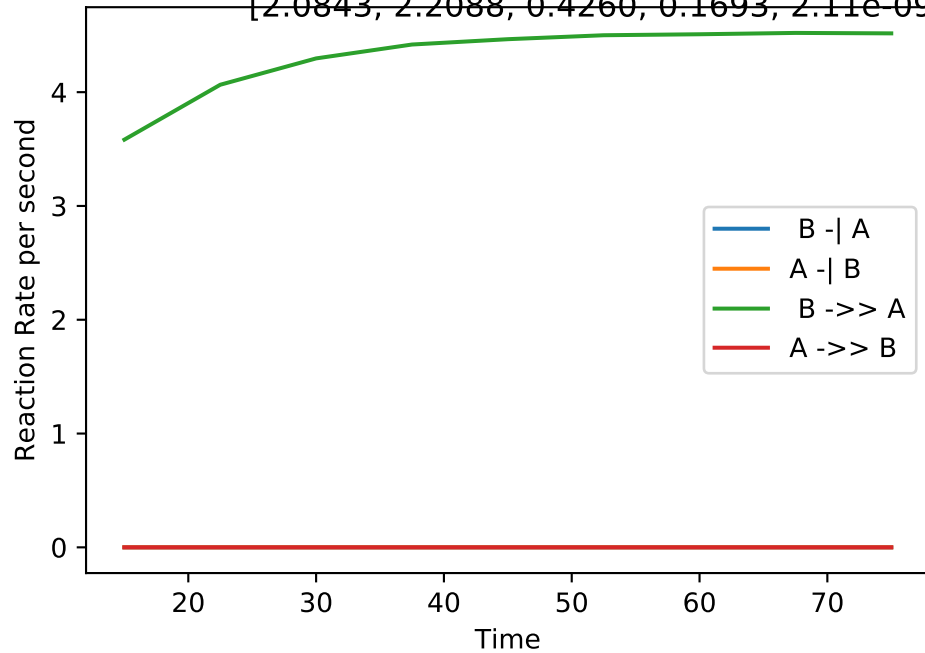
No_up | MB-LLS No_up(#8):

[2.3179, 2.3209, 0.3281, 0.1553, 2.206e-10, 1.344e-09, 0.0791, 0.1867, 0.0946, 0.0000]



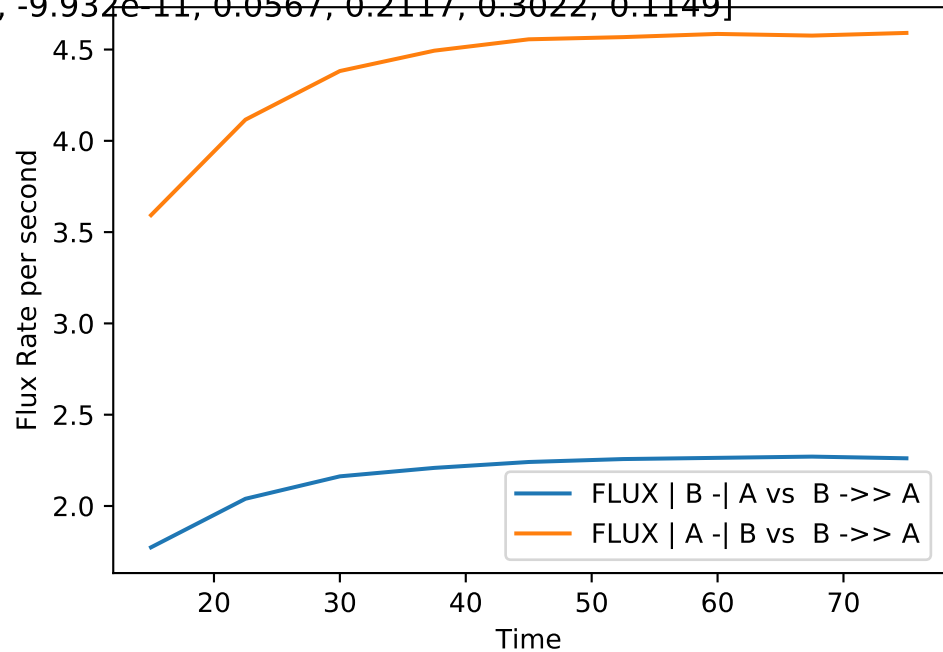
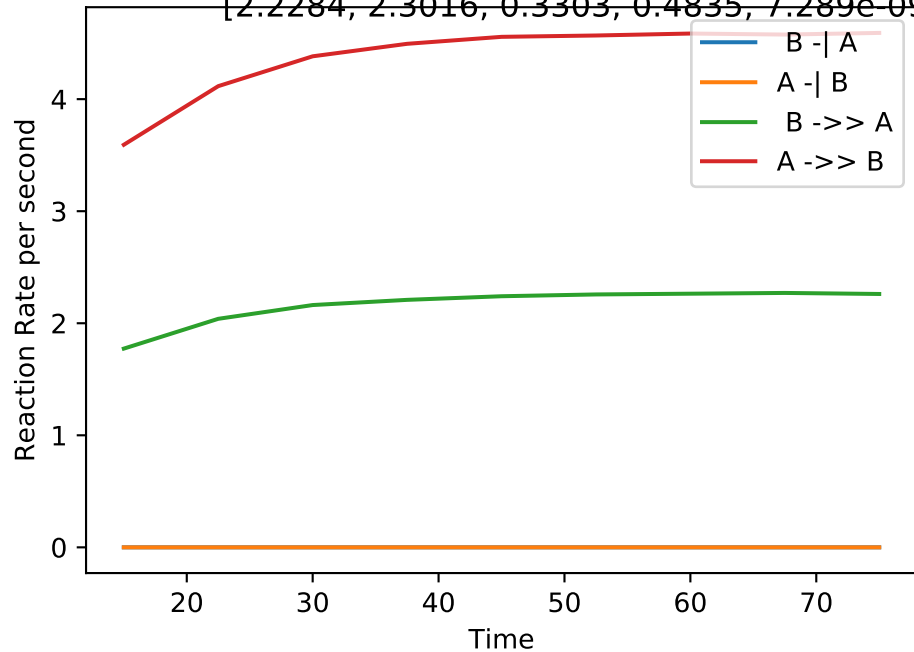
No_up | MB-LLS No_up(#9):

[2.0843, 2.2088, 0.4260, 0.1693, 2.11e-09, 1.21e-08, 0.1132, 0.2545, 0.1104, 0.0000]



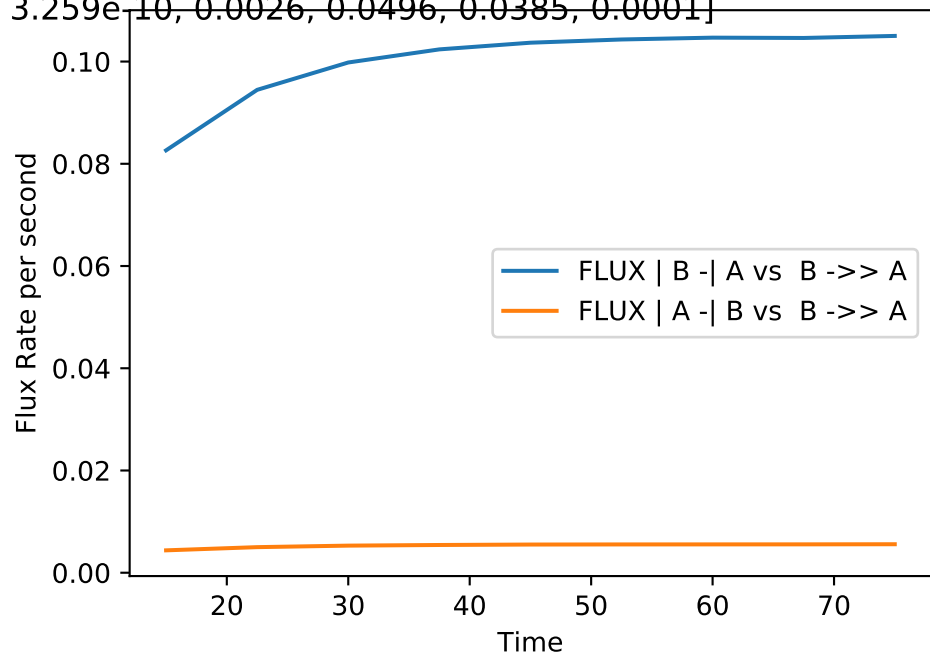
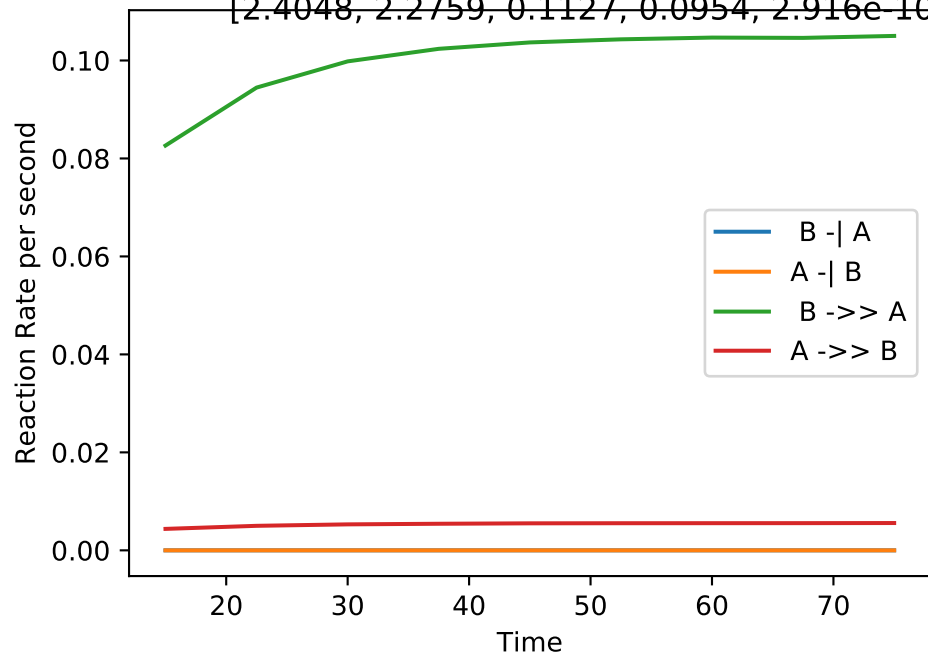
No_up | MB-LLS No_up(#10):

[2.2284, 2.3016, 0.3303, 0.4835, 7.289e-09, -9.932e-11, 0.0567, 0.2117, 0.3022, 0.1149]



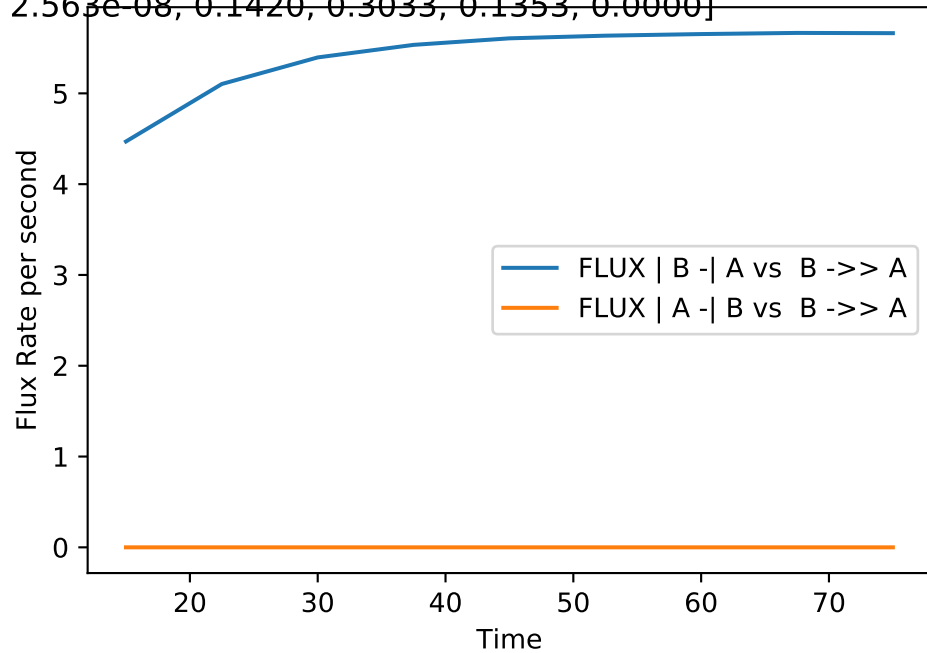
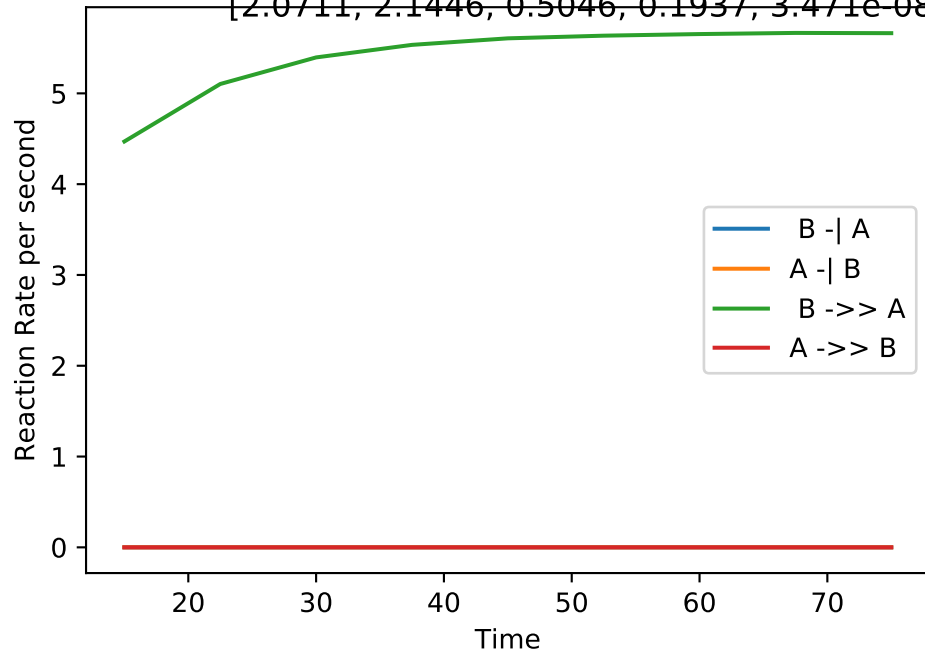
No_up | MB-LLS No_up(#11):

[2.4048, 2.2759, 0.1127, 0.0954, 2.916e-10, 3.259e-10, 0.0026, 0.0496, 0.0385, 0.0001]



No_up | MB-LLS No_up(#12):

[2.0711, 2.1446, 0.5046, 0.1937, 3.471e-08, 2.563e-08, 0.1420, 0.3033, 0.1353, 0.0000]



No_up | MB-LLS No_up(#13):

[2.4416, 2.2841, 0.2540, 0.1362, 1.594e-08, 6.173e-08, 0.0524, 0.1376, 0.0772, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

20

30

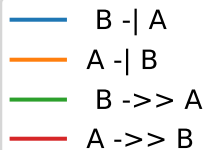
40

50

60

70

Time



Flux Rate per second

2.0
1.5
1.0
0.5
0.0

20

30

40

50

60

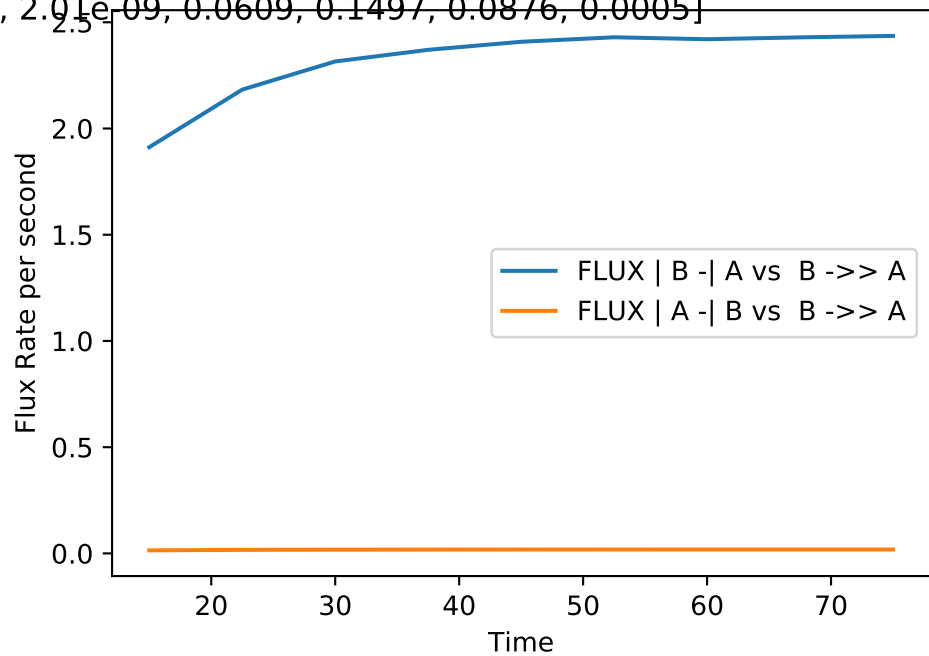
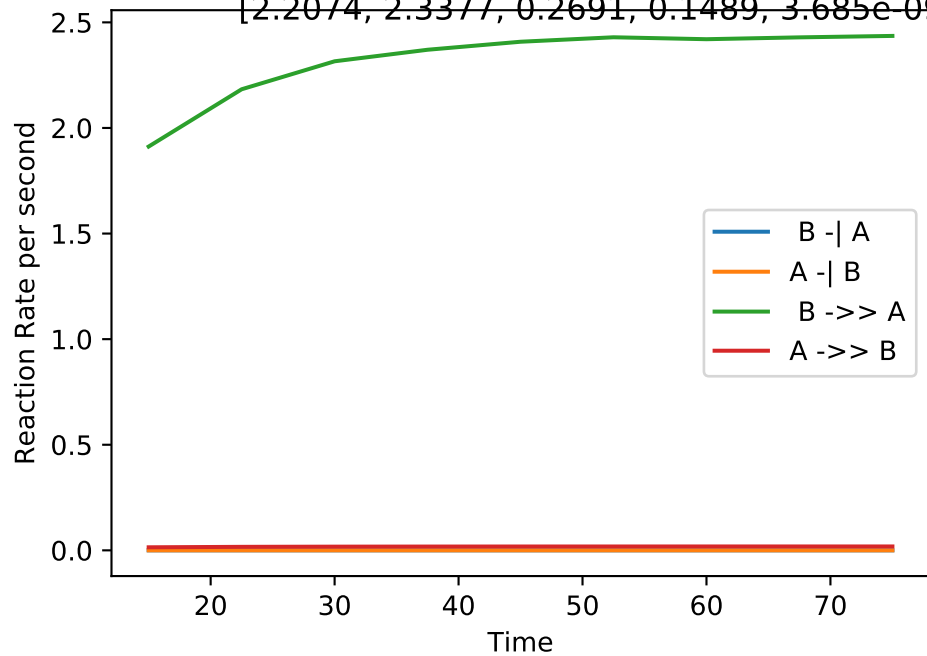
70

Time



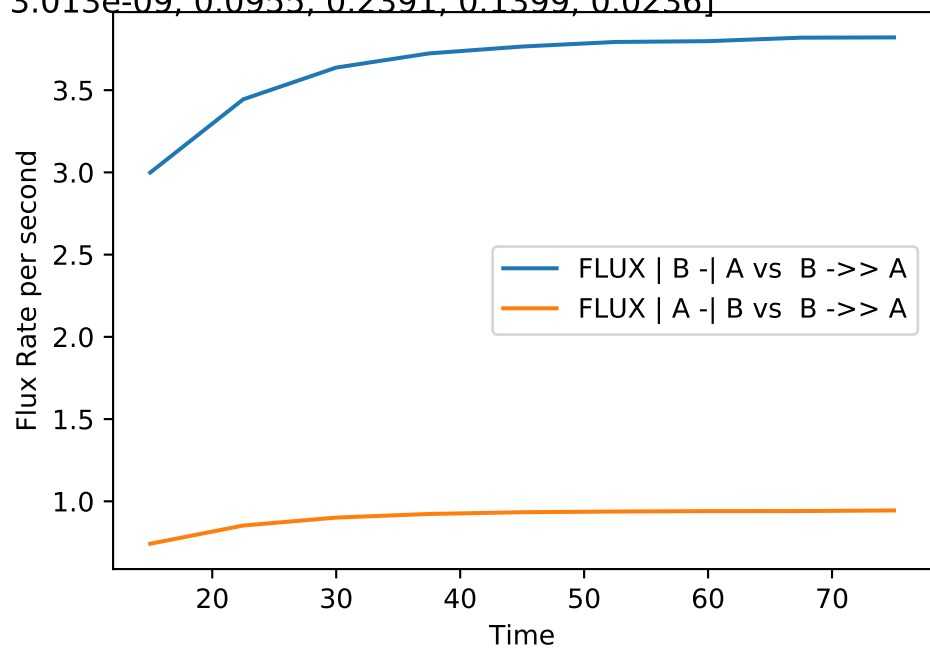
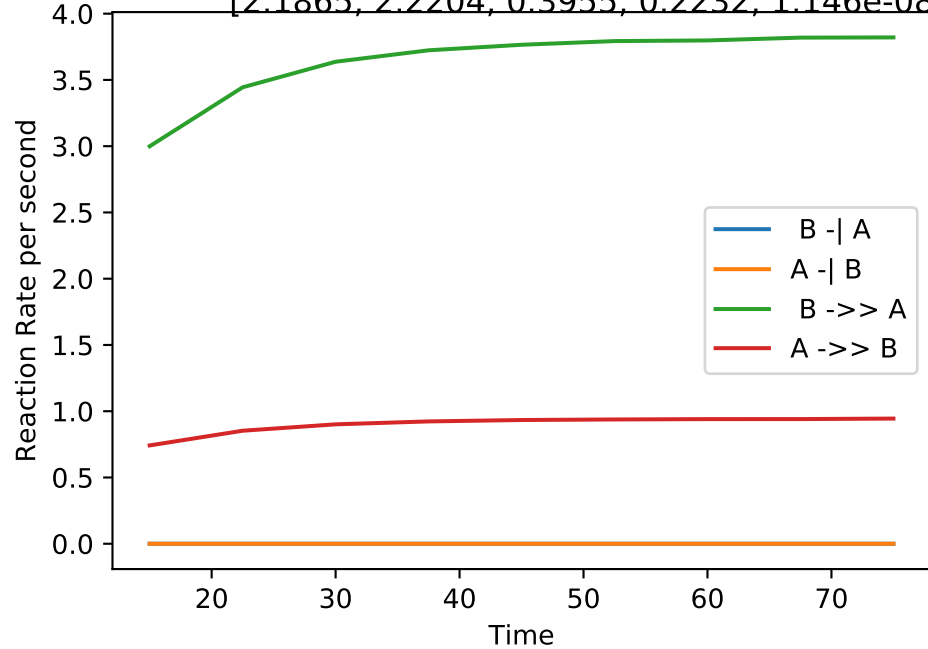
No_up | MB-LLS No_up(#14):

[2.2074, 2.3377, 0.2691, 0.1489, 3.685e-09, 2.01e-09, 0.0609, 0.1497, 0.0876, 0.0005]



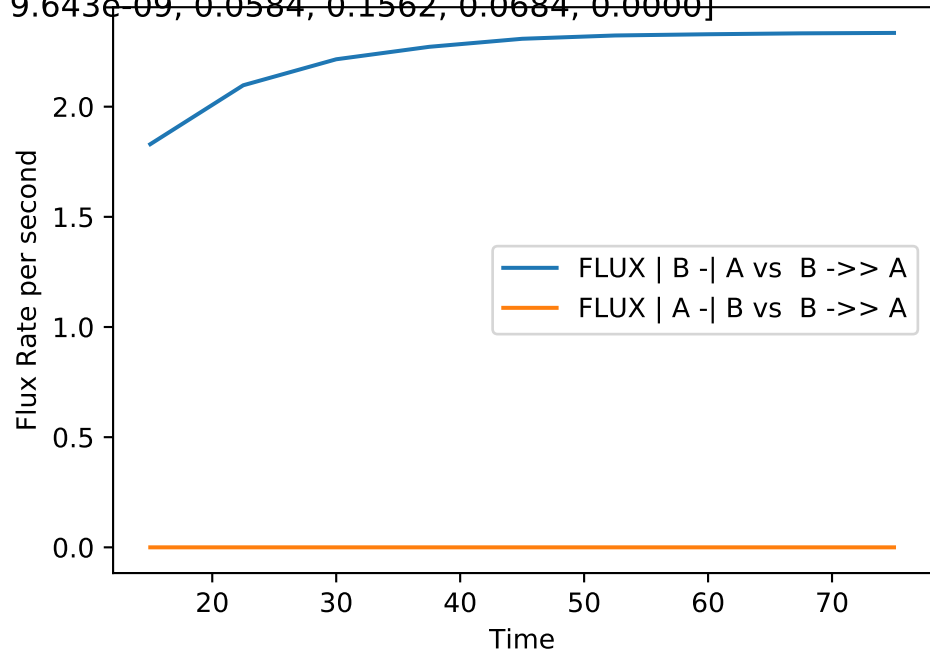
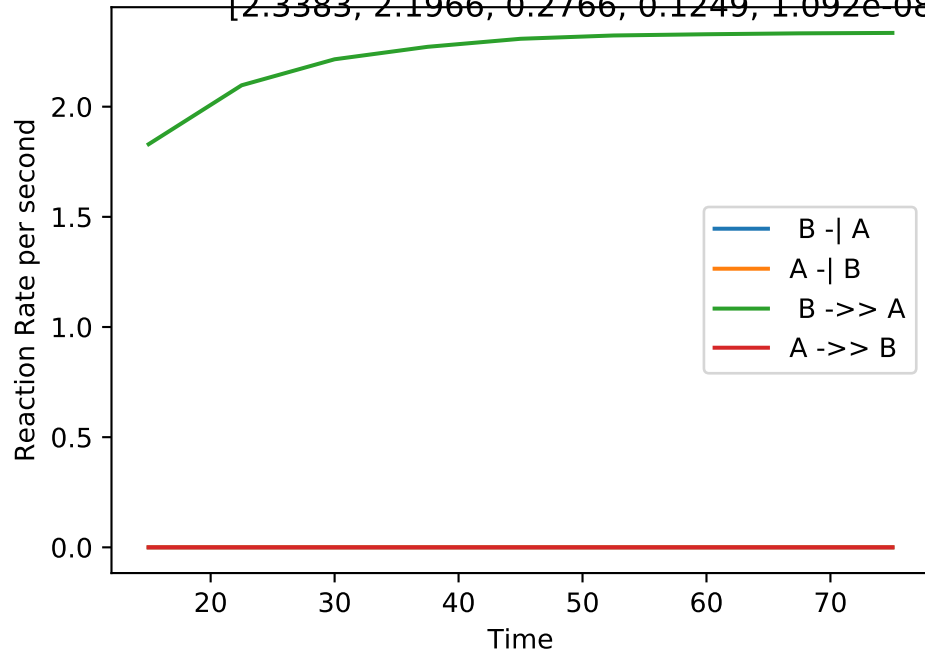
No_up | MB-LLS No_up(#15):

[2.1865, 2.2204, 0.3955, 0.2232, 1.146e-08, 3.013e-09, 0.0955, 0.2391, 0.1399, 0.0236]



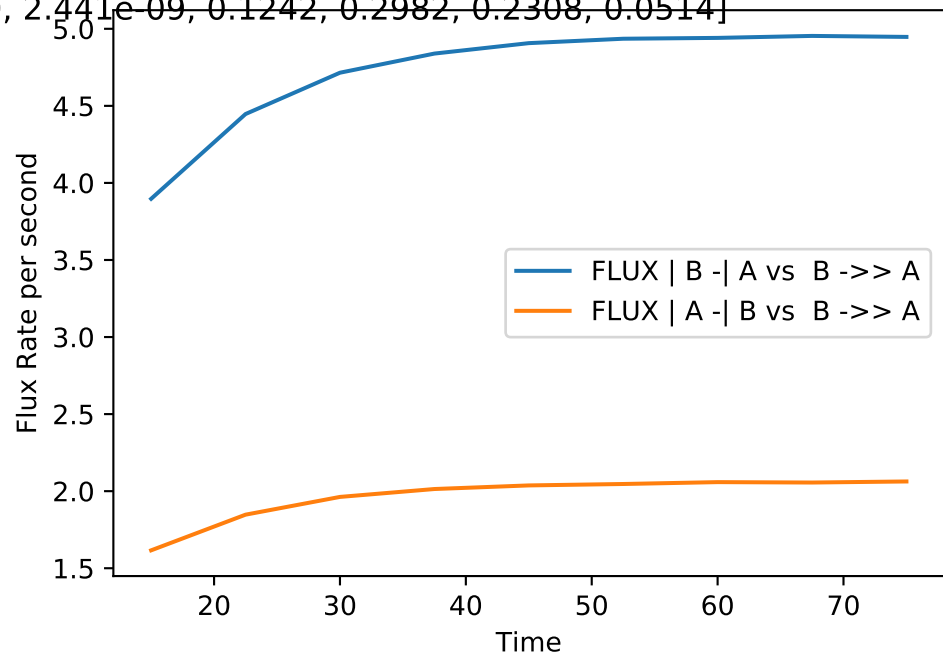
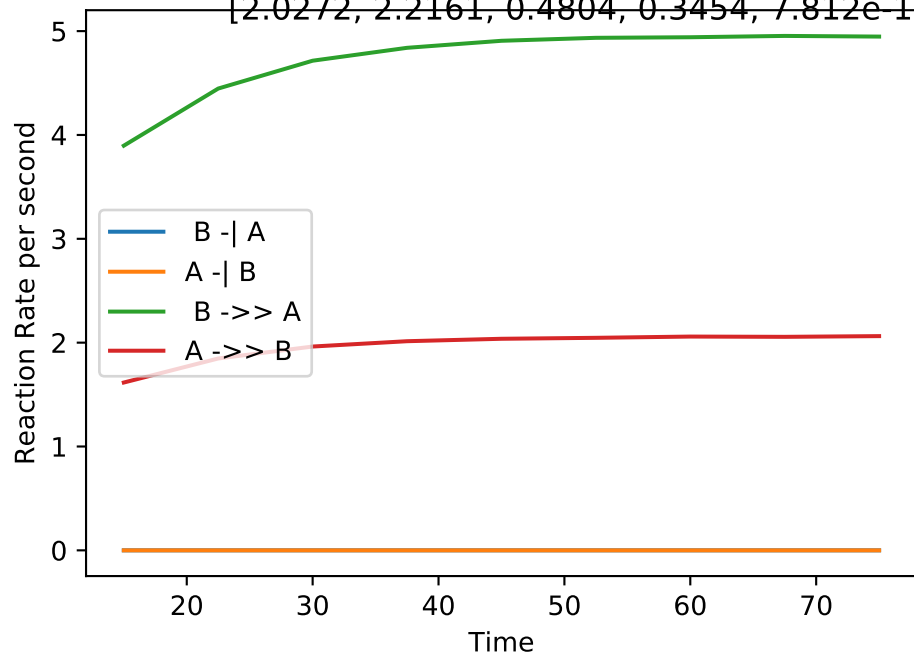
No_up | MB-LLS No_up(#16):

[2.3383, 2.1966, 0.2766, 0.1249, 1.092e-08, 9.643e-09, 0.0584, 0.1562, 0.0684, 0.0000]



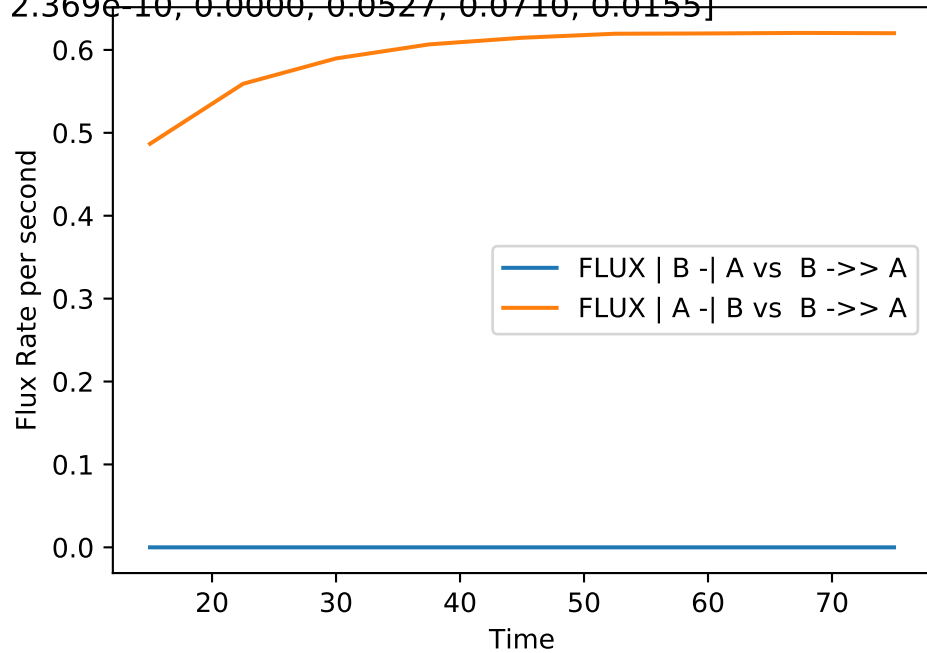
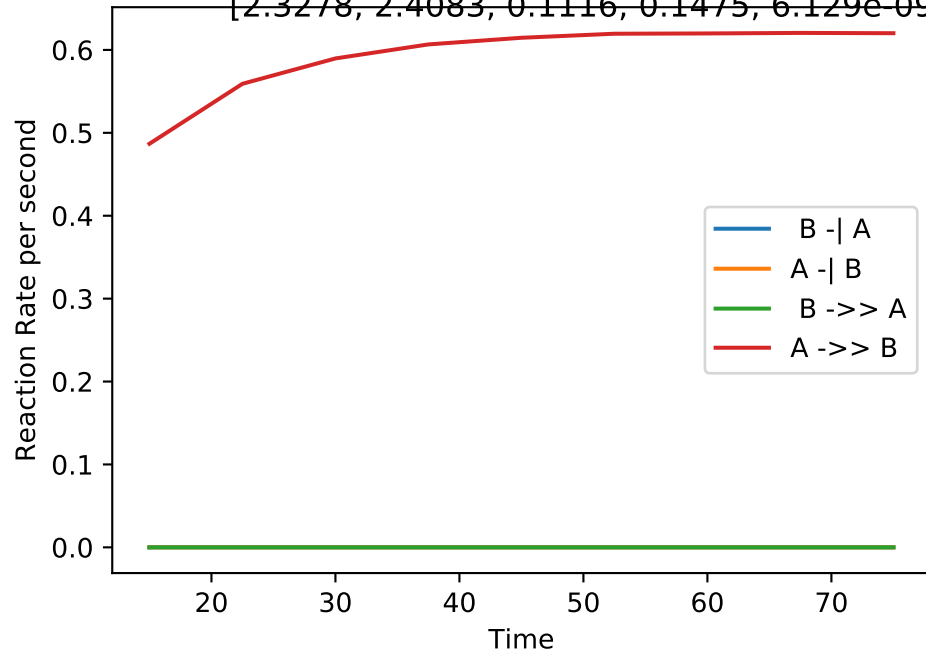
No_up | MB-LLS No_up(#17):

[2.0272, 2.2161, 0.4804, 0.3454, 7.812e-10, 2.441e-09, 0.1242, 0.2982, 0.2308, 0.0514]



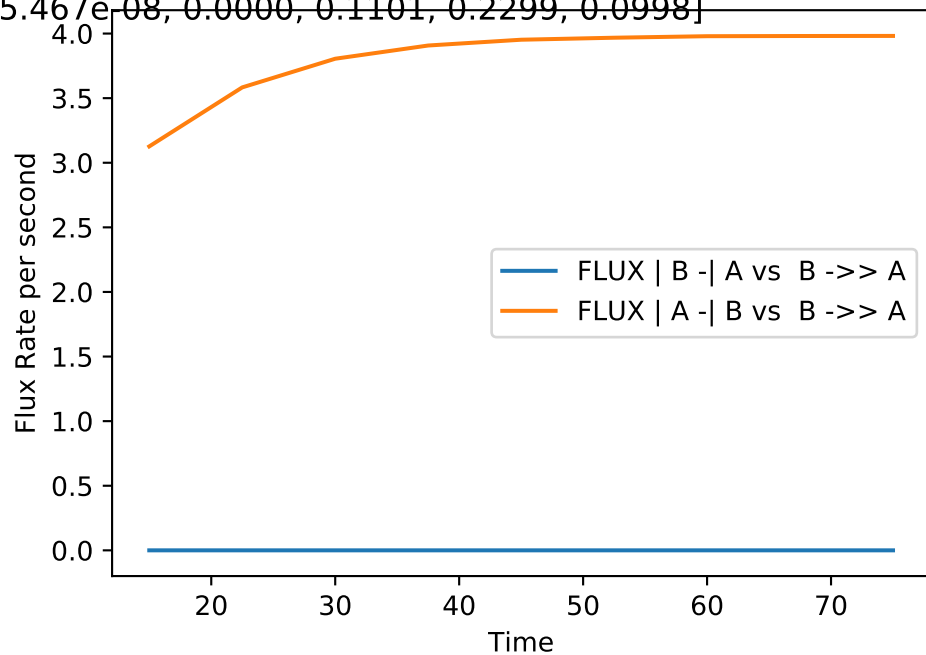
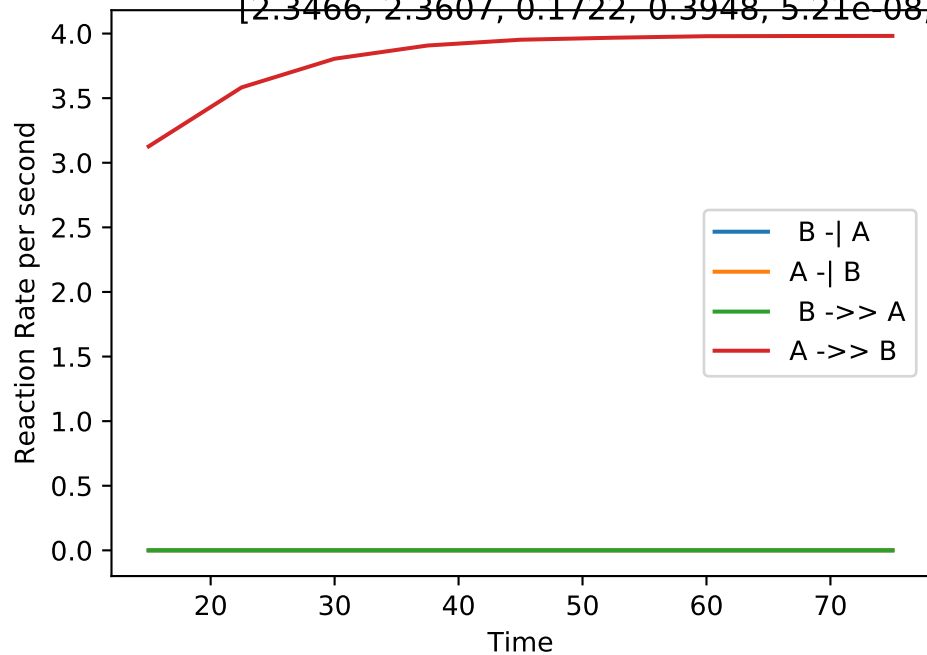
No_up | MB-LLS No_up(#18):

[2.3278, 2.4083, 0.1116, 0.1475, 6.129e-09, 2.369e-10, 0.0000, 0.0527, 0.0710, 0.0155]



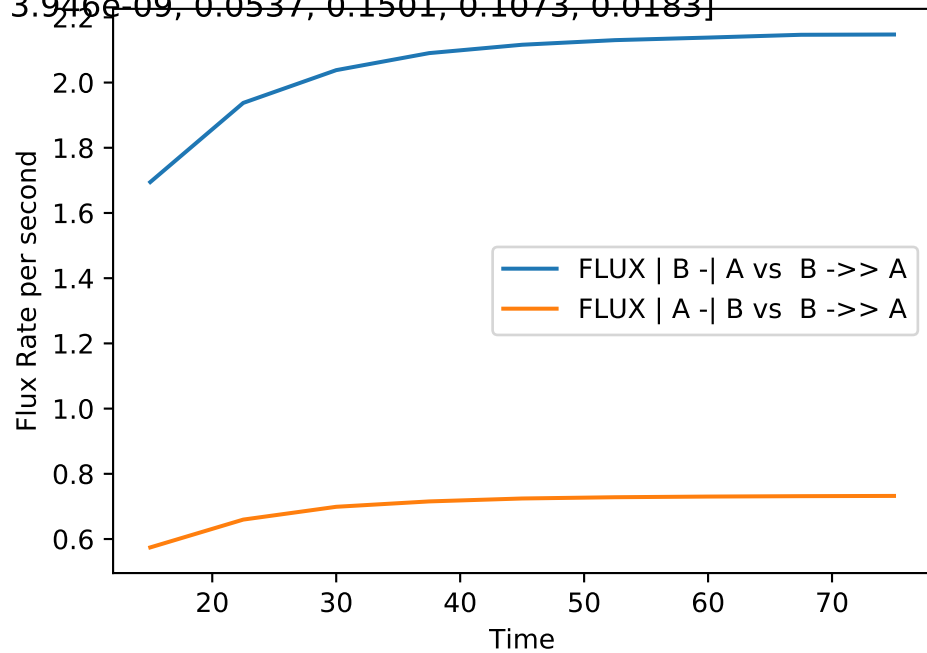
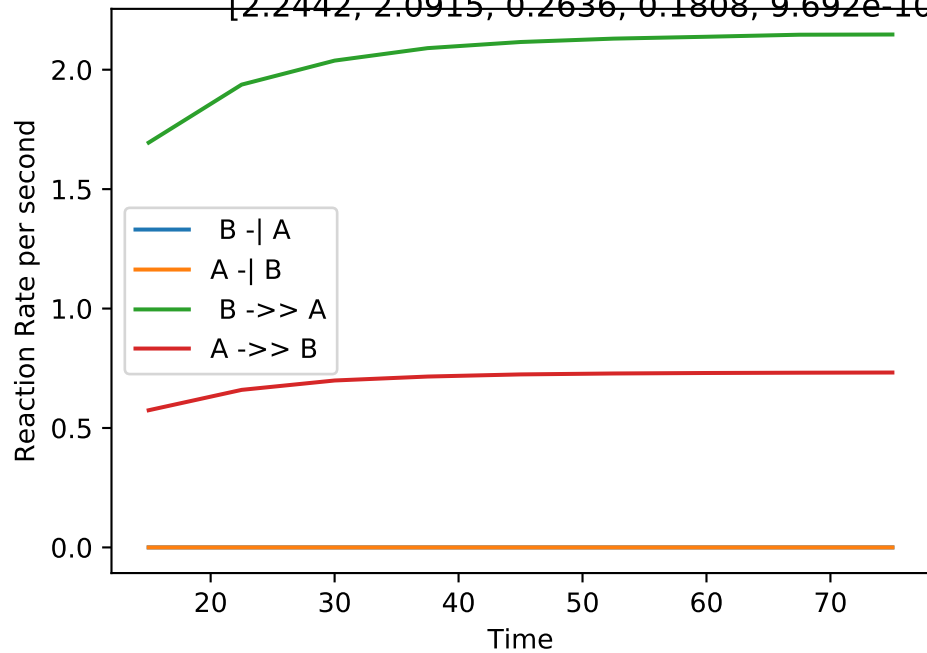
No_up | MB-LLS No_up(#19):

[2.3466, 2.3607, 0.1722, 0.3948, 5.21e-08, 5.467e-08, 0.0000, 0.1101, 0.2299, 0.0998]



No_up | MB-LLS No_up(#20):

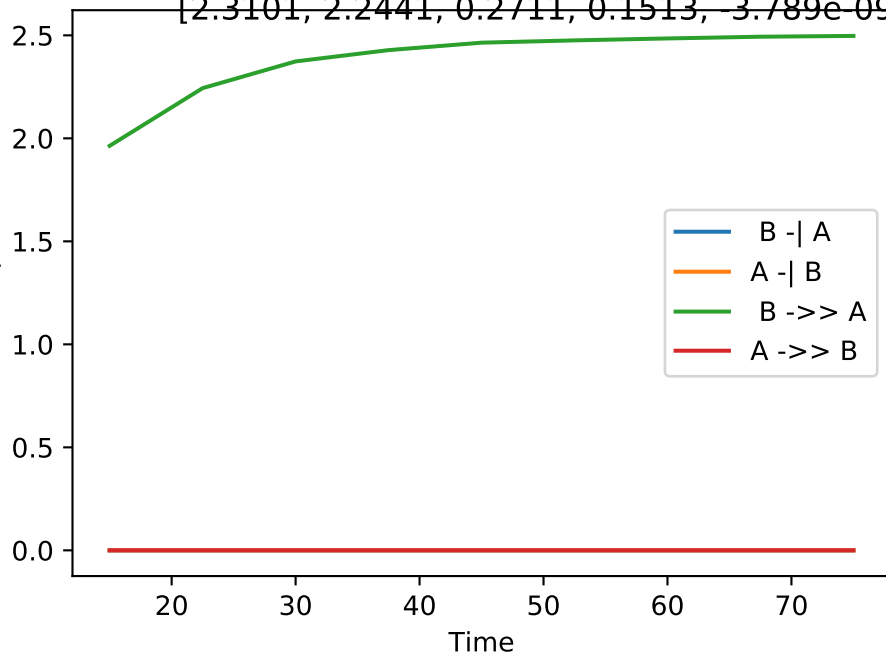
[2.2442, 2.0915, 0.2636, 0.1808, 9.692e-10, 3.946e-09, 0.0537, 0.1501, 0.1073, 0.0183]



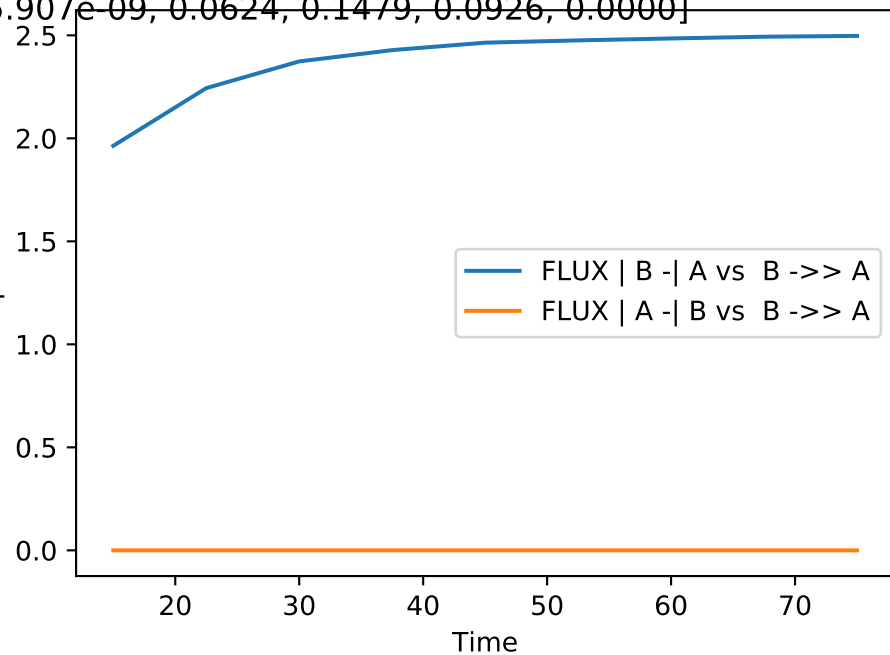
No_up | MB-LLS No_up(#21):

[2.3101, 2.2441, 0.2711, 0.1513, -3.789e-09, -5.907e-09, 0.0624, 0.1479, 0.0926, 0.0000]

Reaction Rate per second

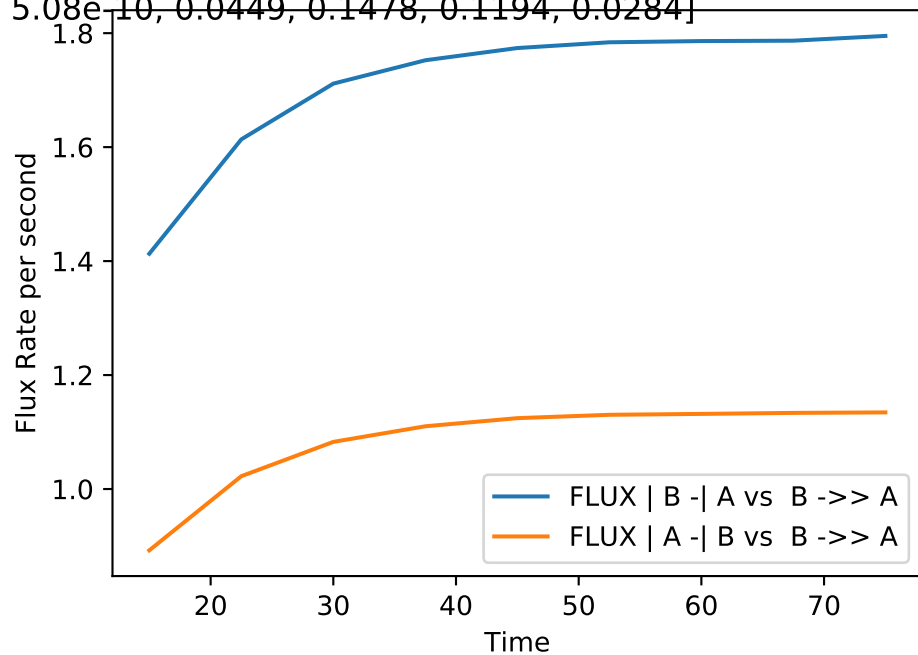
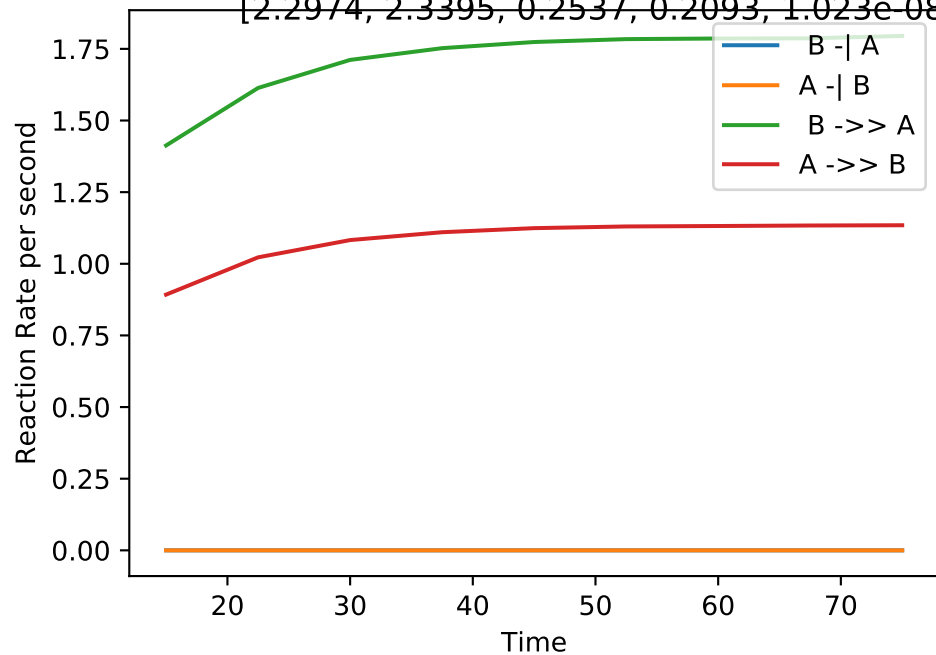


Flux Rate per second



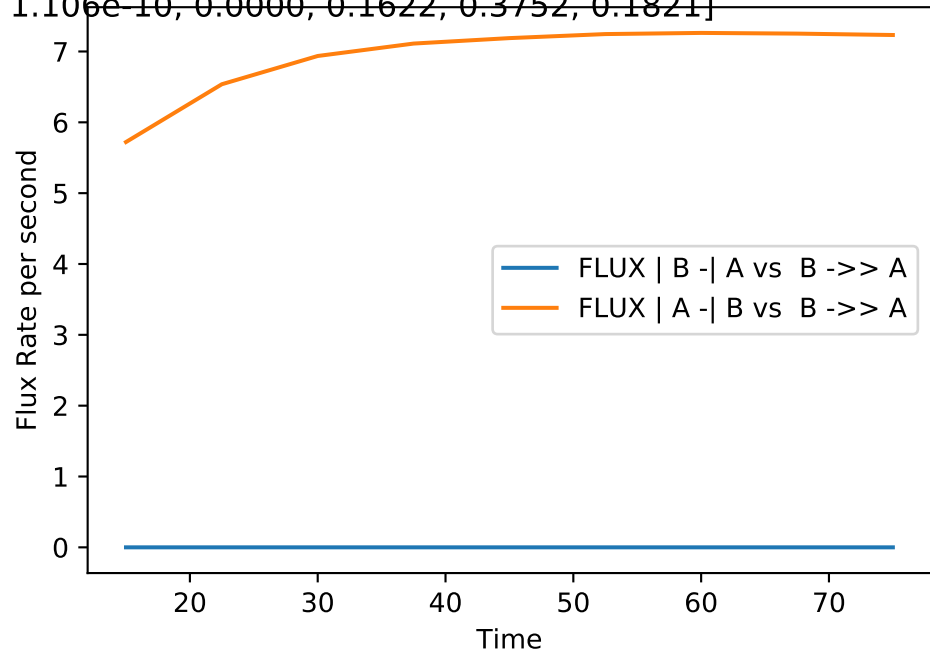
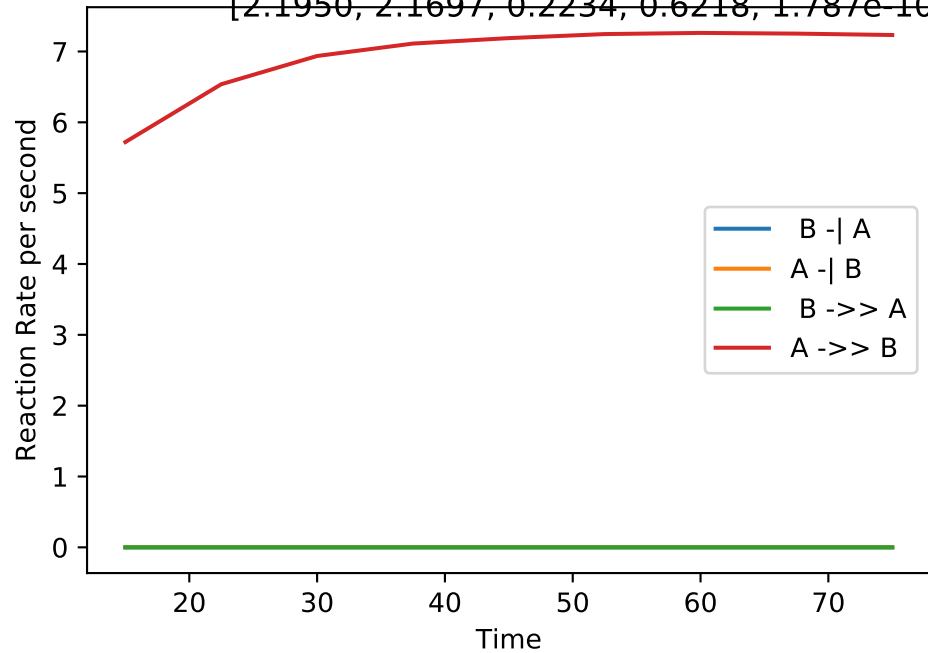
No_up | MB-LLS No_up(#22):

[2.2974, 2.3395, 0.2537, 0.2093, 1.023e-08, 5.08e-10, 0.0449, 0.1478, 0.1194, 0.0284]



No_up | MB-LLS No_up(#23):

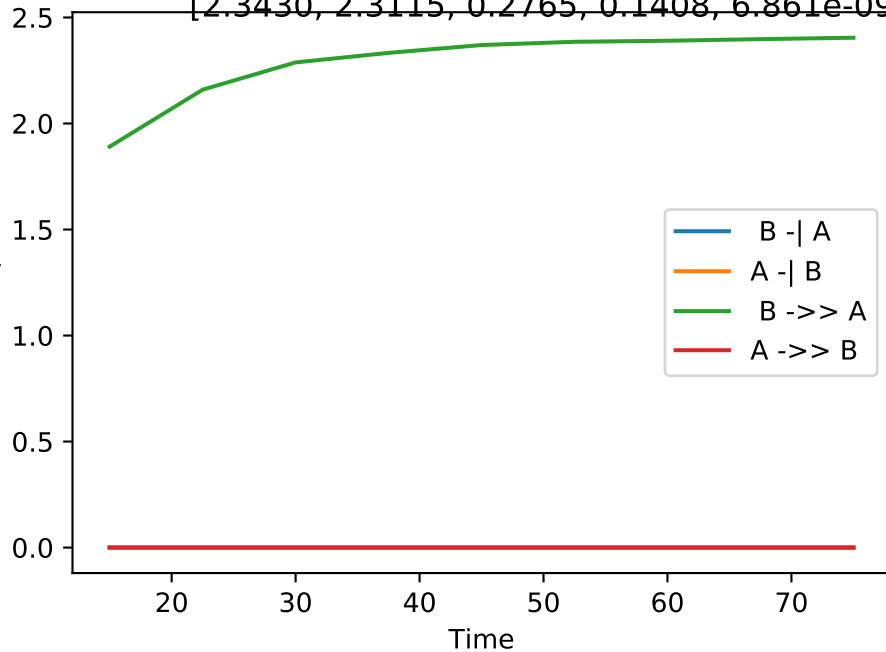
[2.1950, 2.1697, 0.2234, 0.6218, 1.787e-10, 1.106e-10, 0.0000, 0.1622, 0.3752, 0.1821]



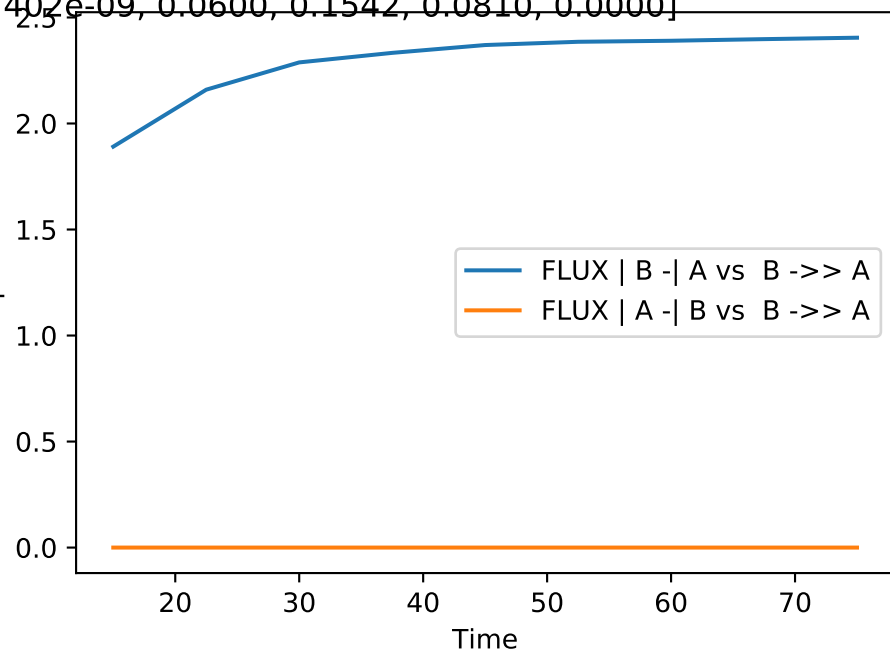
No_up | MB-LLS No_up(#24):

[2.3430, 2.3115, 0.2765, 0.1408, 6.861e-09, 4.402e-09, 0.0600, 0.1542, 0.0810, 0.0000]

Reaction Rate per second

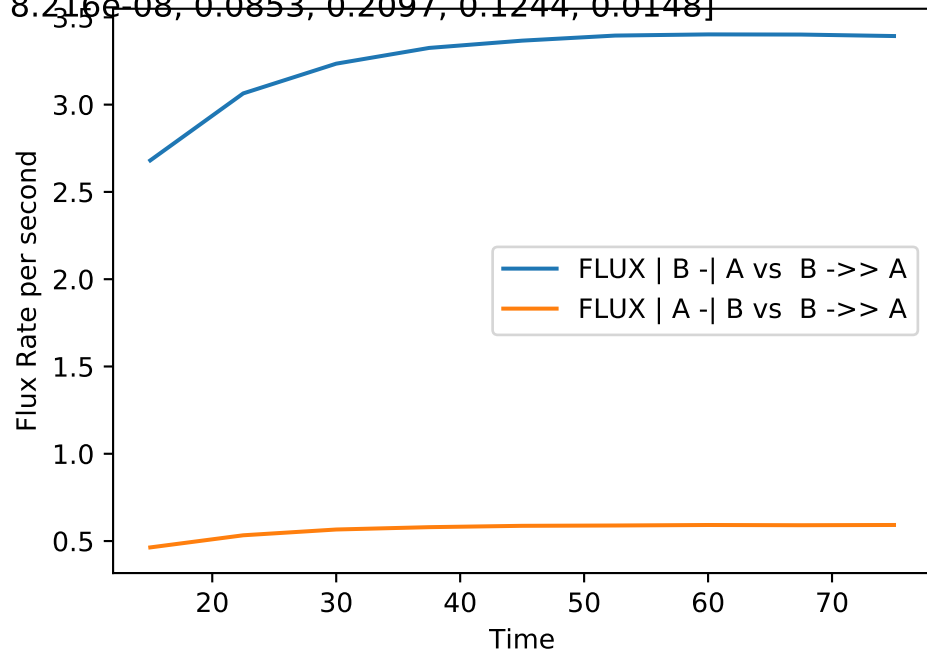
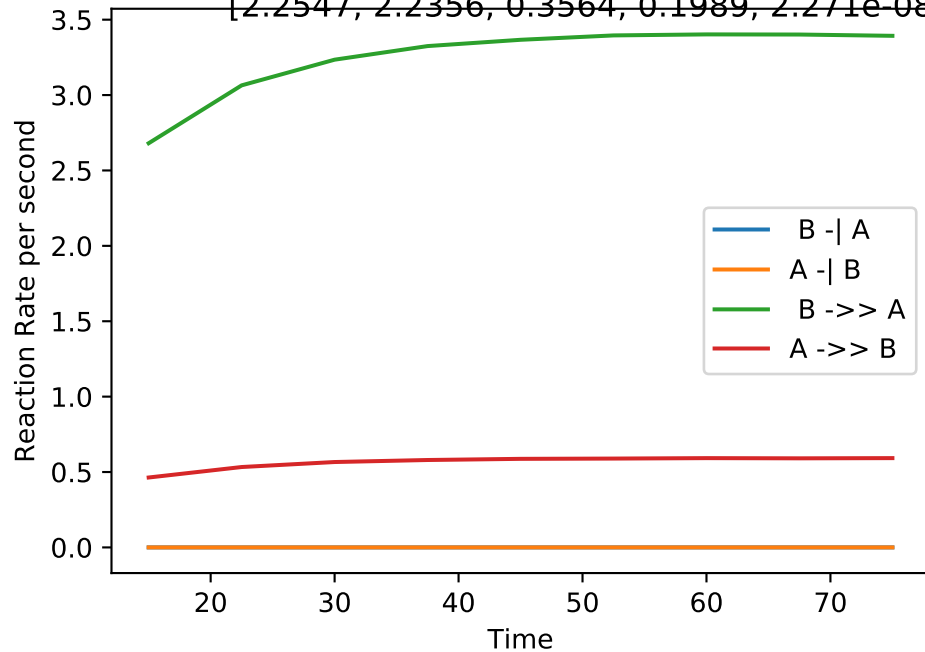


Flux Rate per second



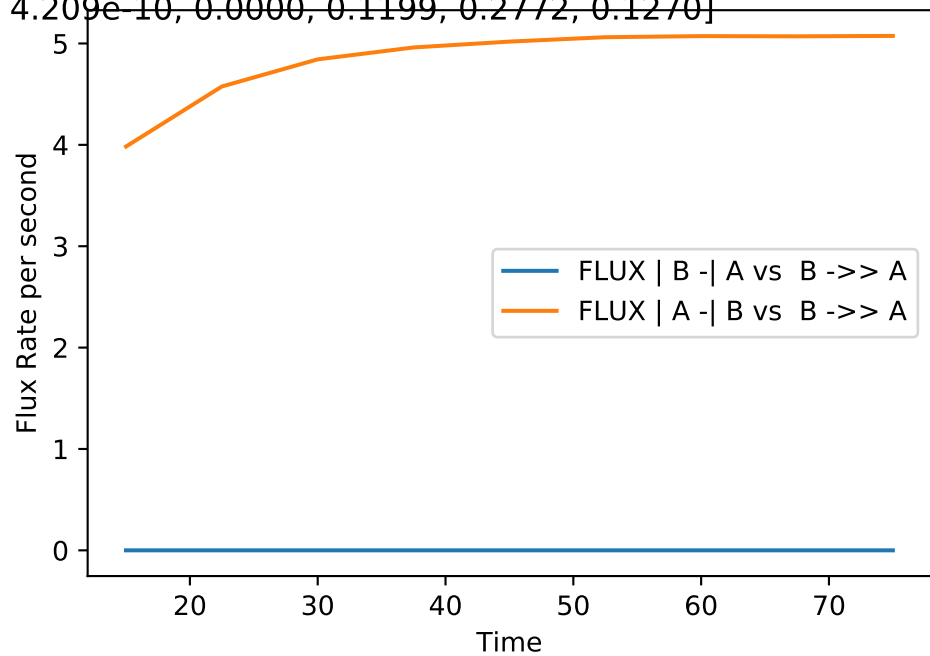
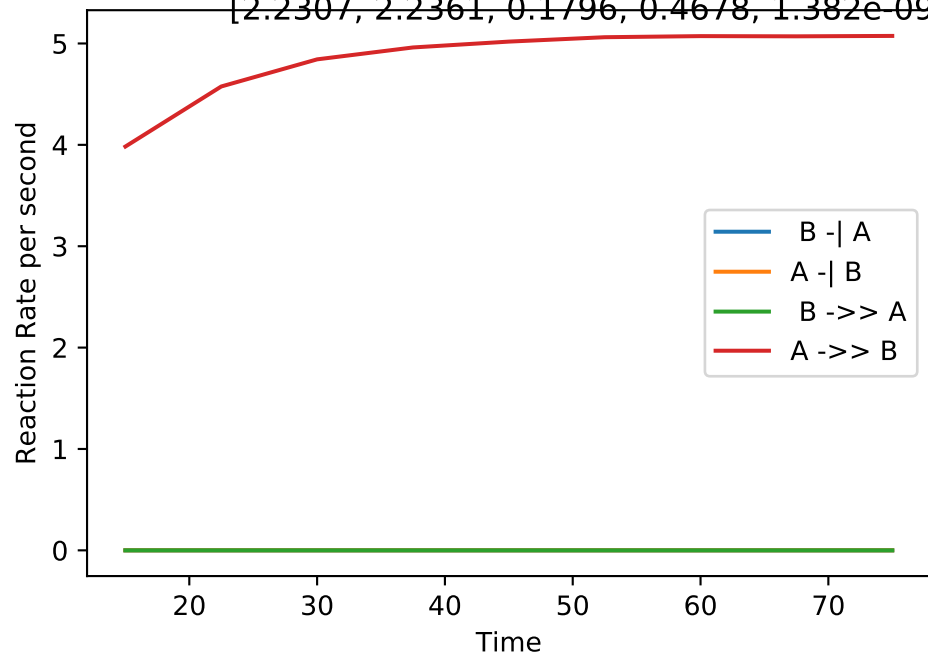
No_up | MB-LLS No_up(#25):

[2.2547, 2.2356, 0.3564, 0.1989, 2.271e-08, 8.216e-08, 0.0853, 0.2097, 0.1244, 0.0148]



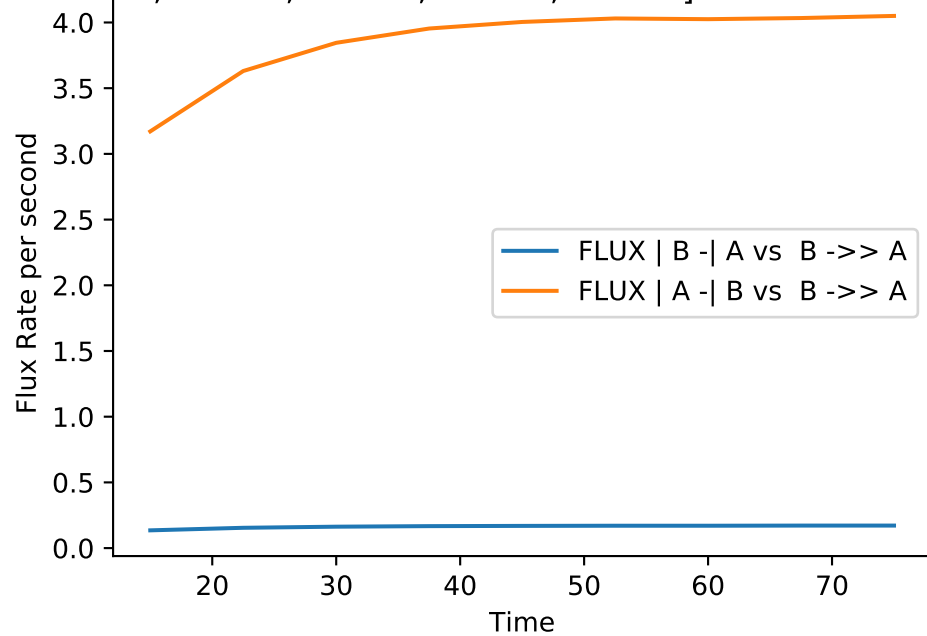
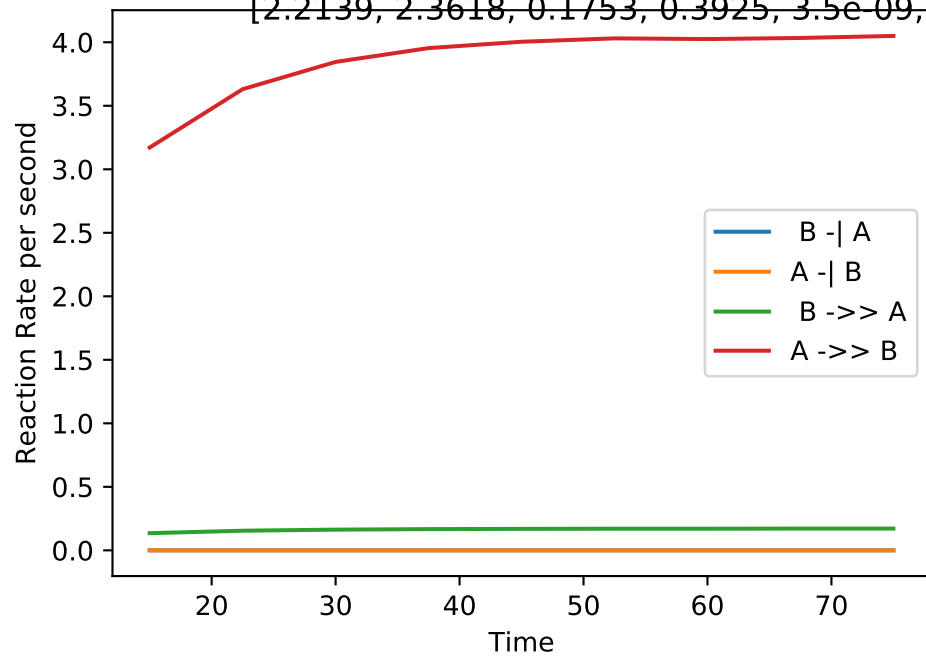
No_up | MB-LLS No_up(#26):

[2.2307, 2.2361, 0.1796, 0.4678, 1.382e-09, 4.209e-10, 0.0000, 0.1199, 0.2772, 0.1270]



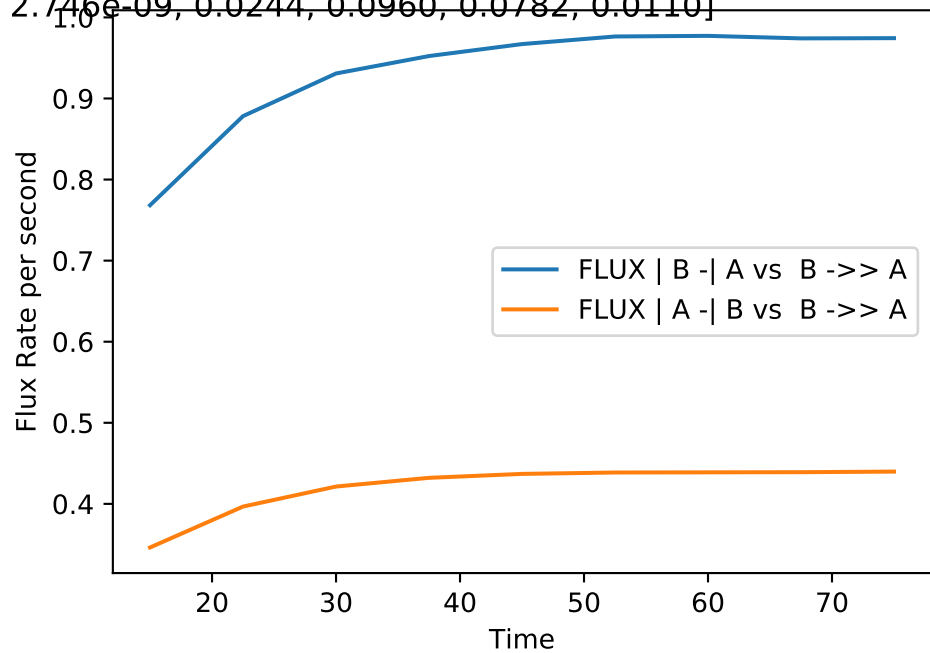
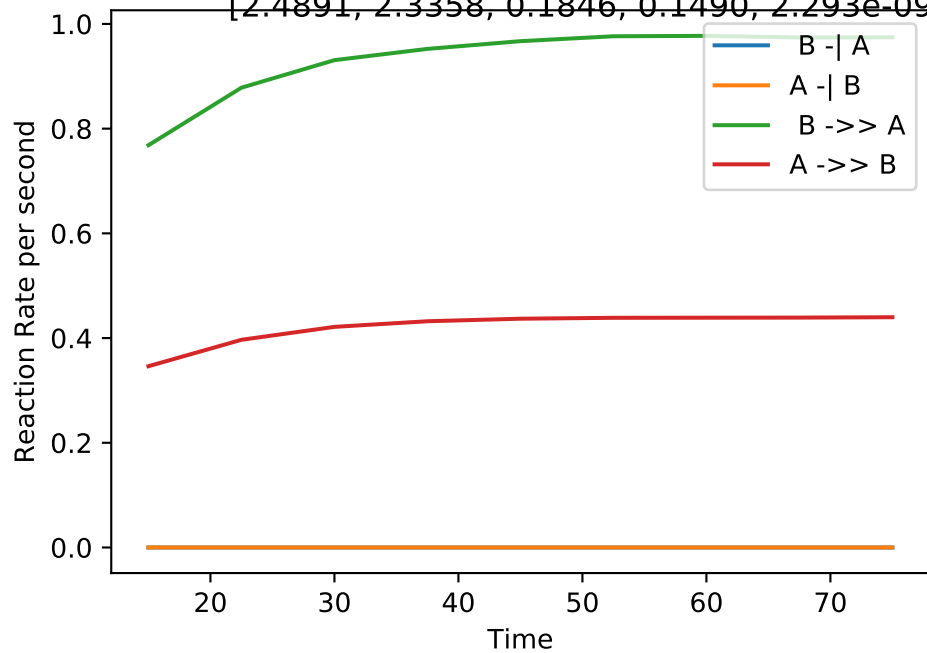
No_up | MB-LLS No_up(#27):

[2.2139, 2.3618, 0.1753, 0.3925, 3.5e-09, 7.124e-09, 0.0043, 0.1123, 0.2266, 0.1010]



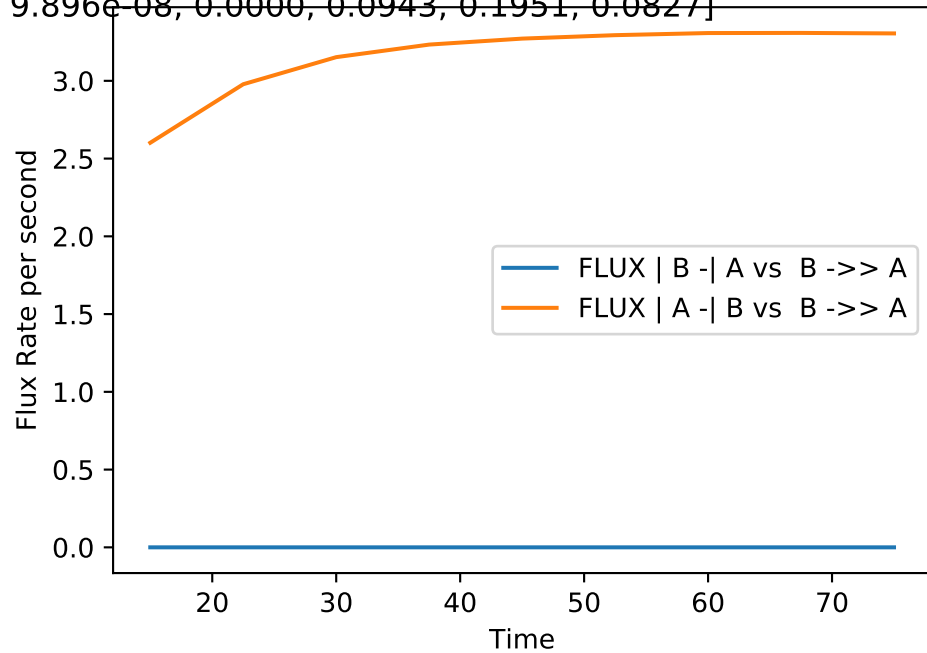
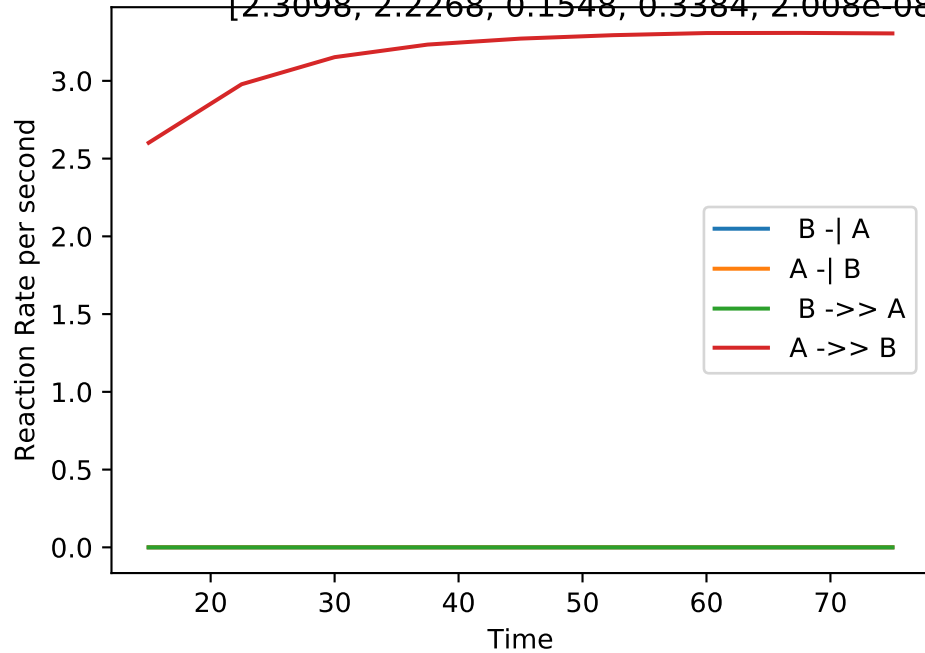
No_up | MB-LLS No_up(#28):

[2.4891, 2.3358, 0.1846, 0.1490, 2.293e-09, 2.746e-09, 0.0244, 0.0960, 0.0782, 0.0110]



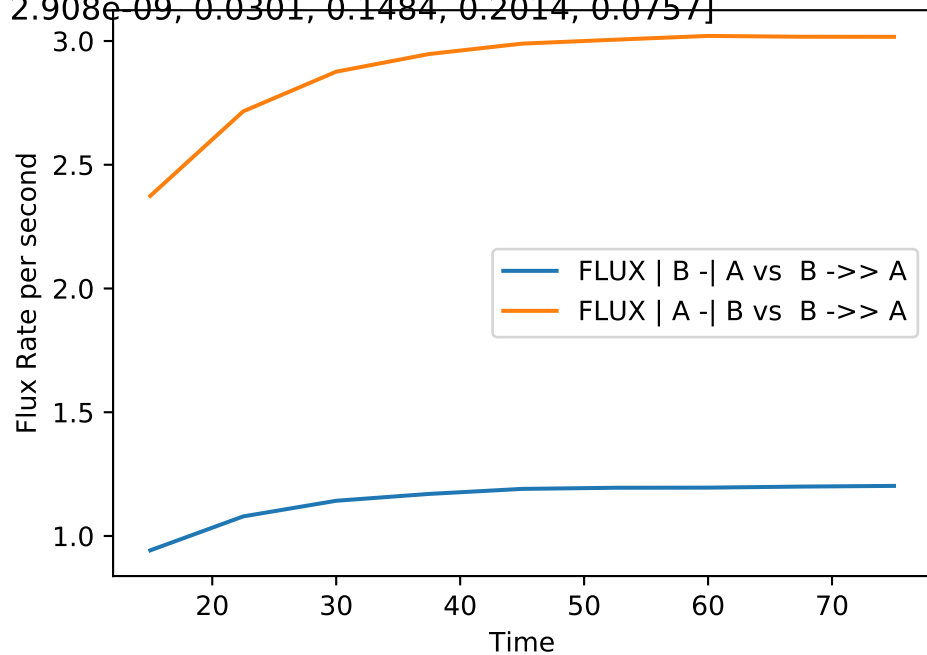
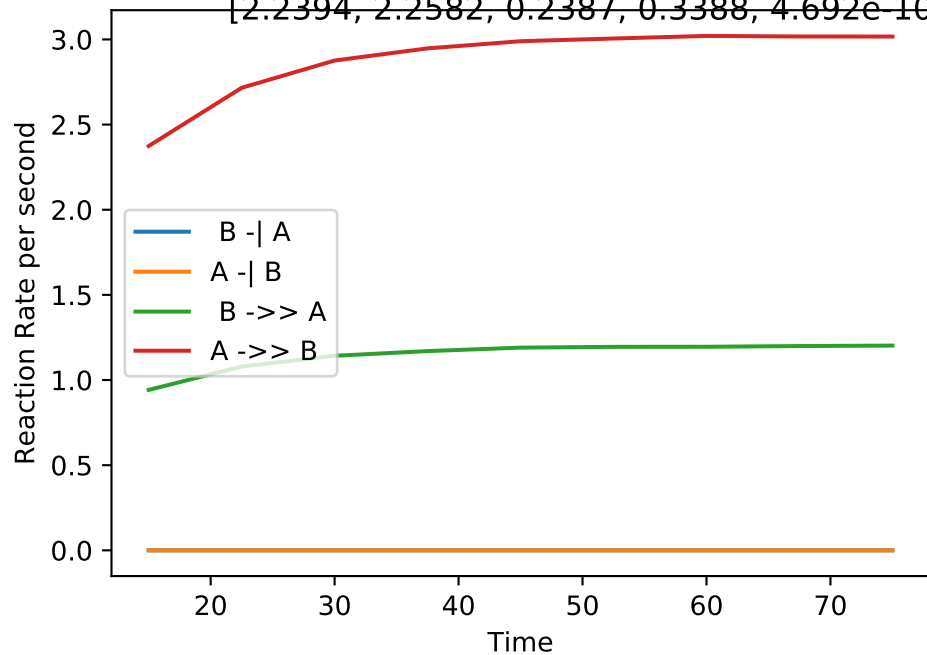
No_up | MB-LLS No_up(#29):

[2.3098, 2.2268, 0.1548, 0.3384, 2.008e-08, 9.896e-08, 0.0000, 0.0943, 0.1951, 0.0827]



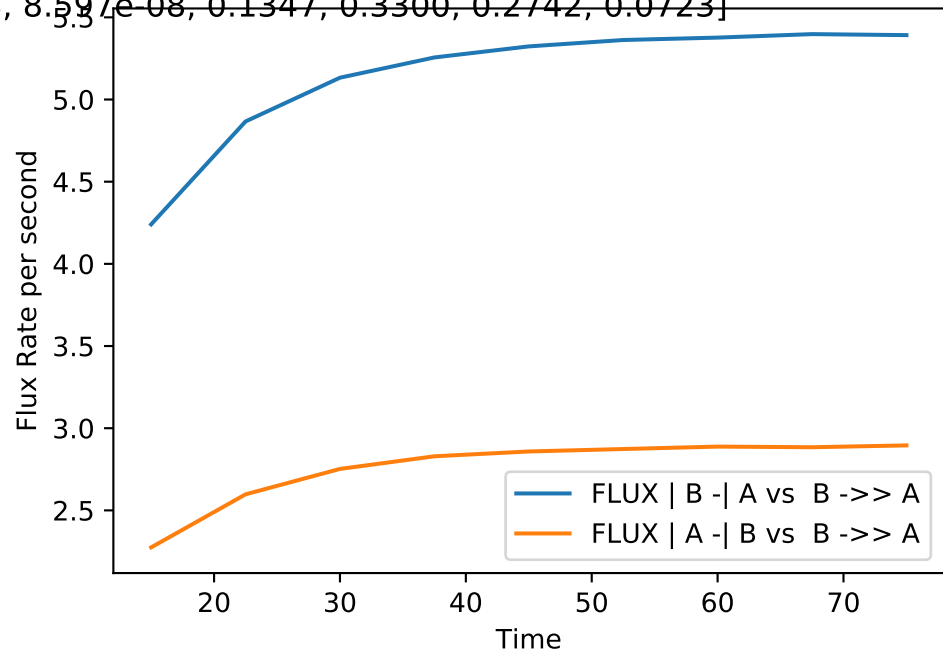
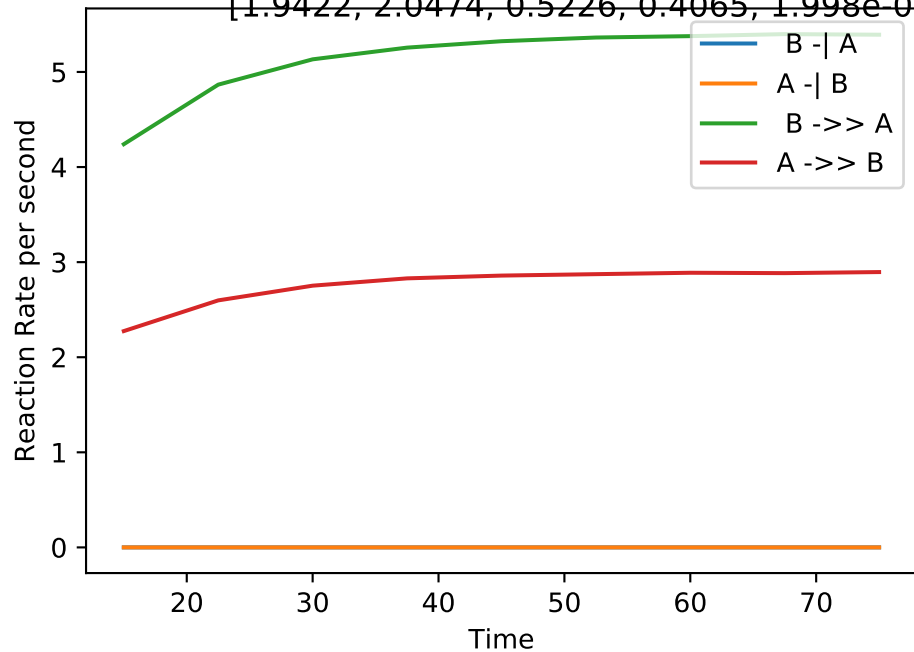
No_up | MB-LLS No_up(#30):

[2.2394, 2.2582, 0.2387, 0.3388, 4.692e-10, 2.908e-09, 0.0301, 0.1484, 0.2014, 0.0757]



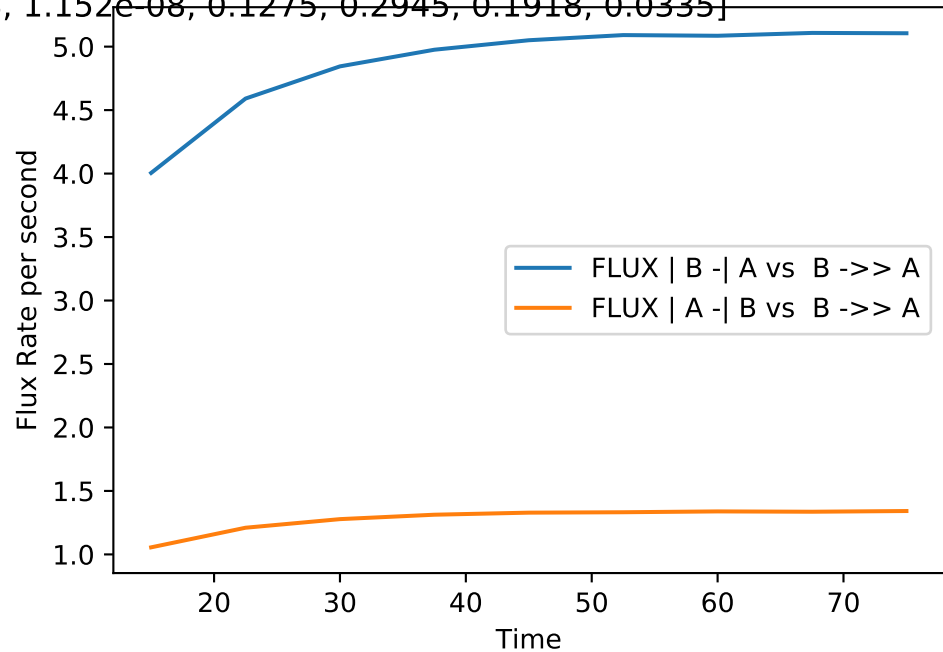
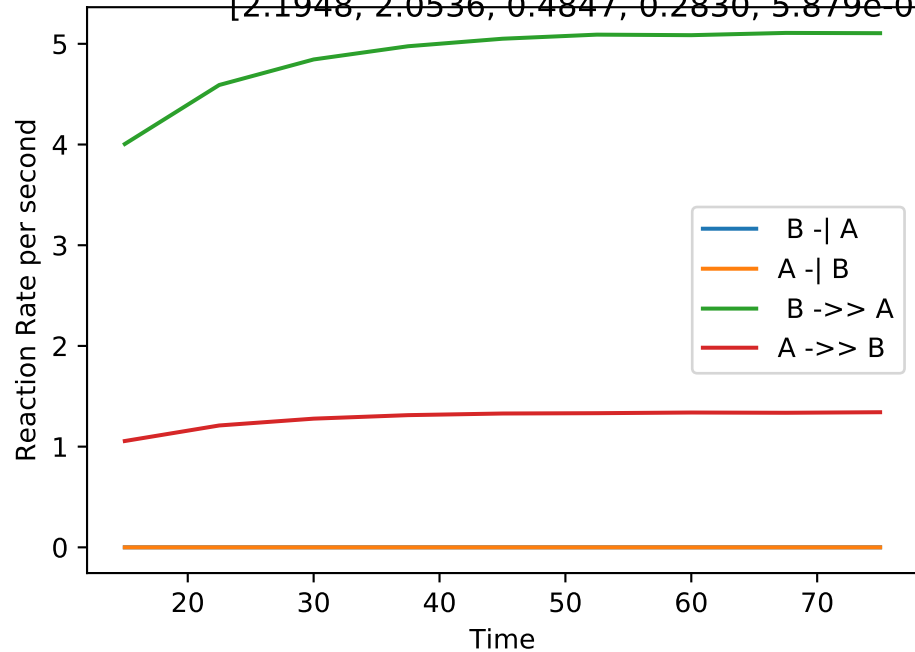
No_up | MB-LLS No_up(#31):

[1.9422, 2.0474, 0.5226, 0.4065, 1.998e-08, 8.597e-08, 0.1347, 0.3300, 0.2742, 0.0723]



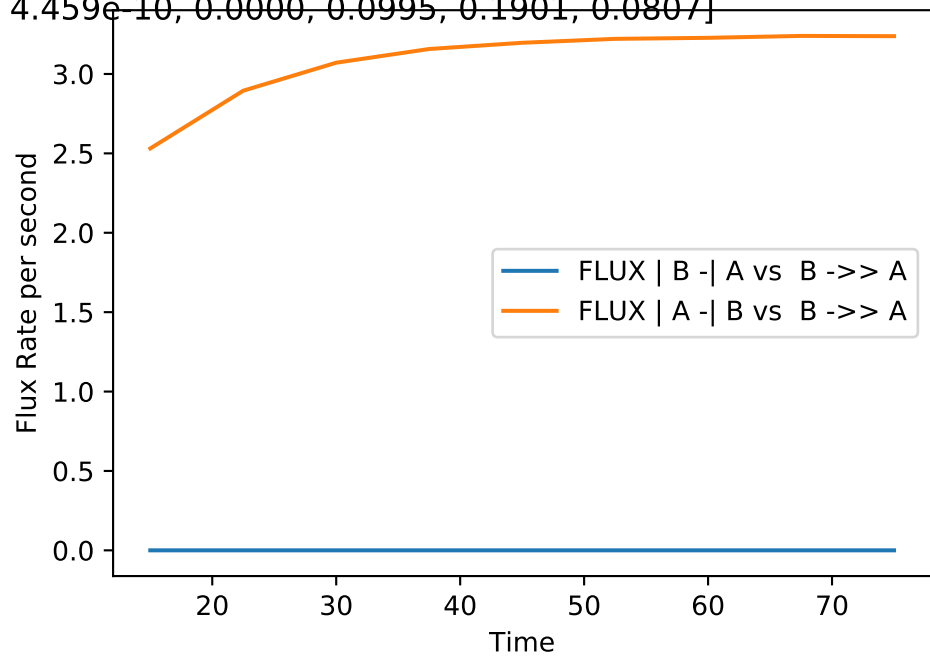
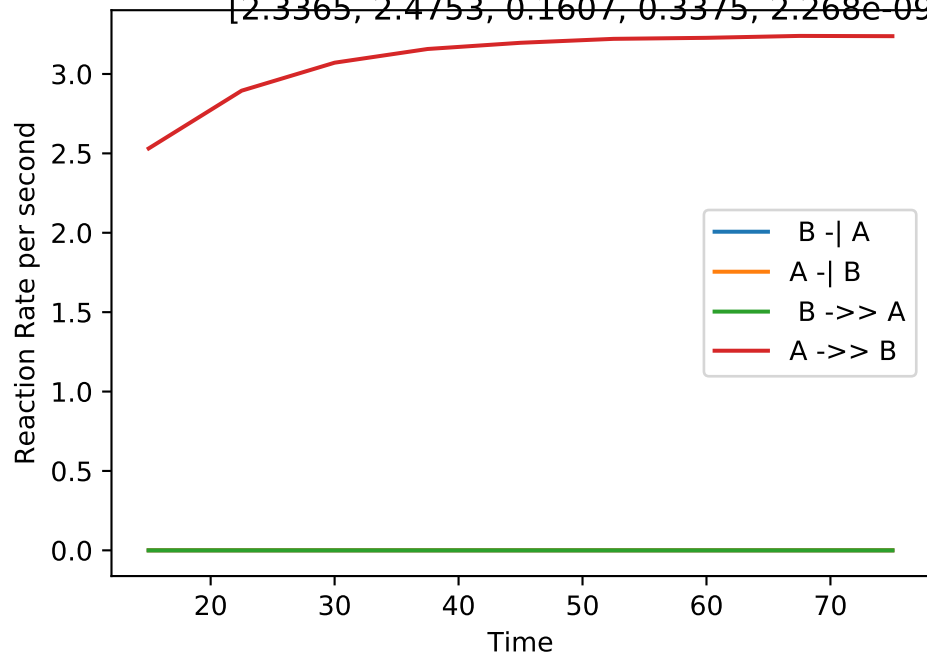
No_up | MB-LLS No_up(#32):

[2.1948, 2.0536, 0.4847, 0.2830, 5.879e-08, 1.152e-08, 0.1275, 0.2945, 0.1918, 0.0335]



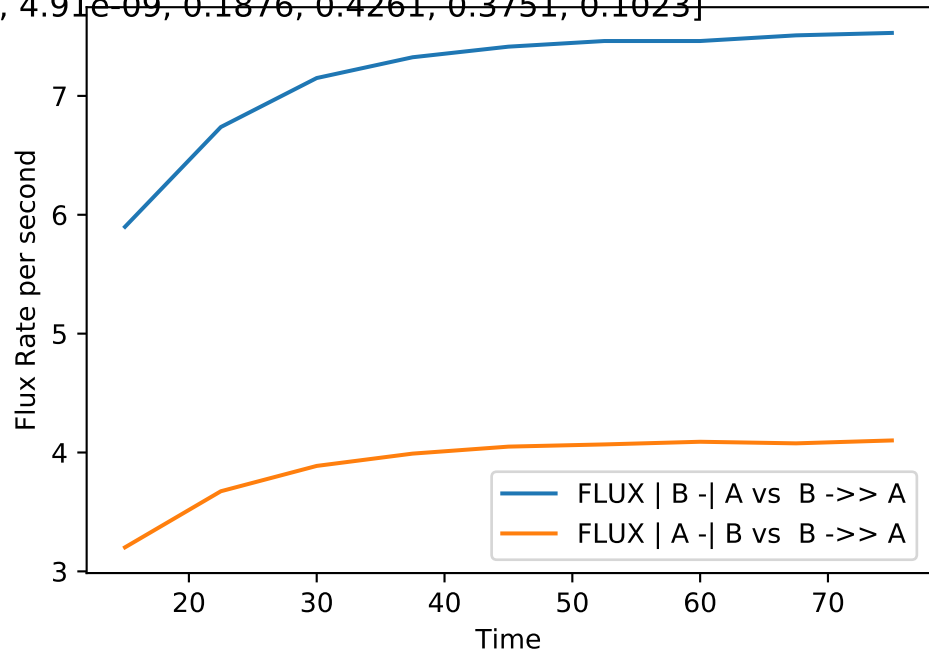
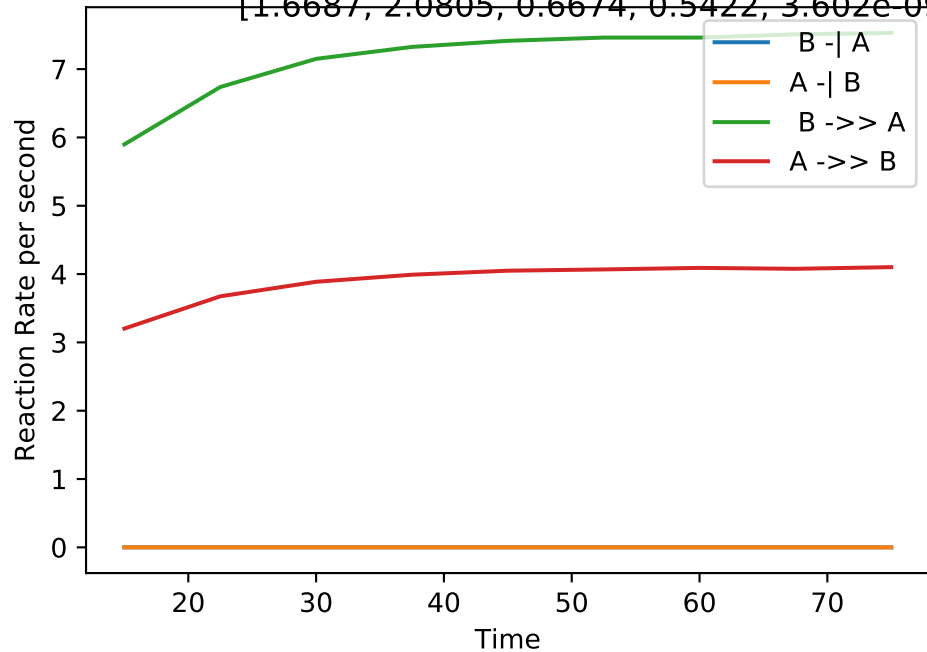
No_up | MB-LLS No_up(#33):

[2.3365, 2.4753, 0.1607, 0.3375, 2.268e-09, 4.459e-10, 0.0000, 0.0995, 0.1901, 0.0807]



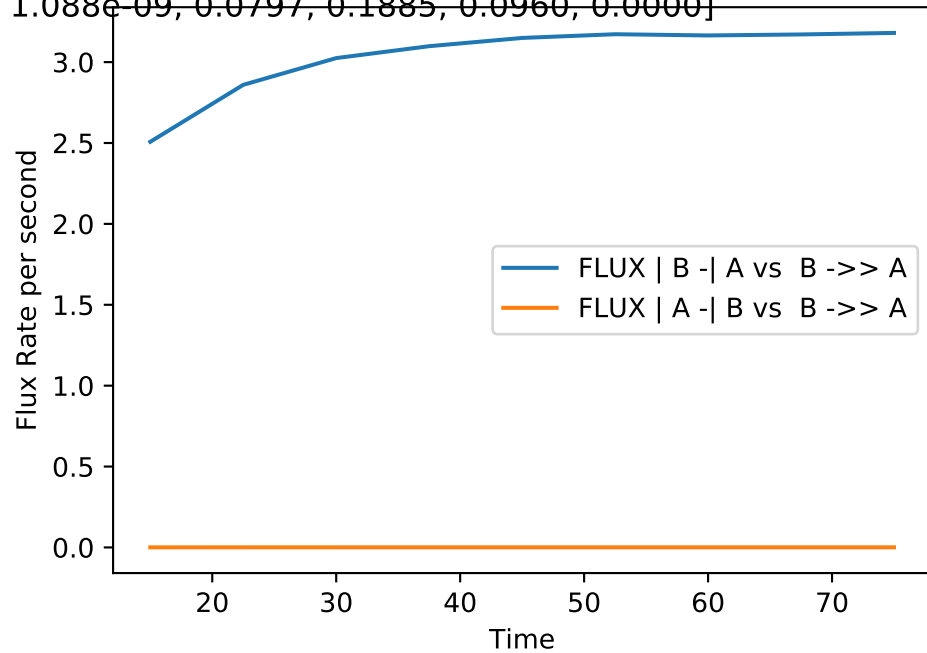
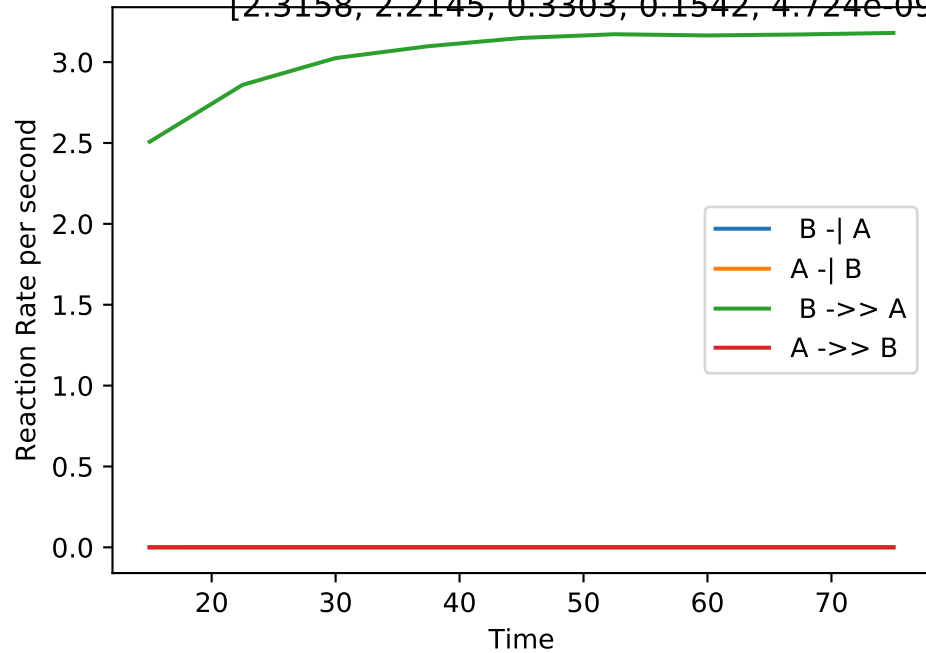
No_up | MB-LLS No_up(#34):

[1.6687, 2.0805, 0.6674, 0.5422, 3.602e-09, 4.91e-09, 0.1876, 0.4261, 0.3751, 0.1023]



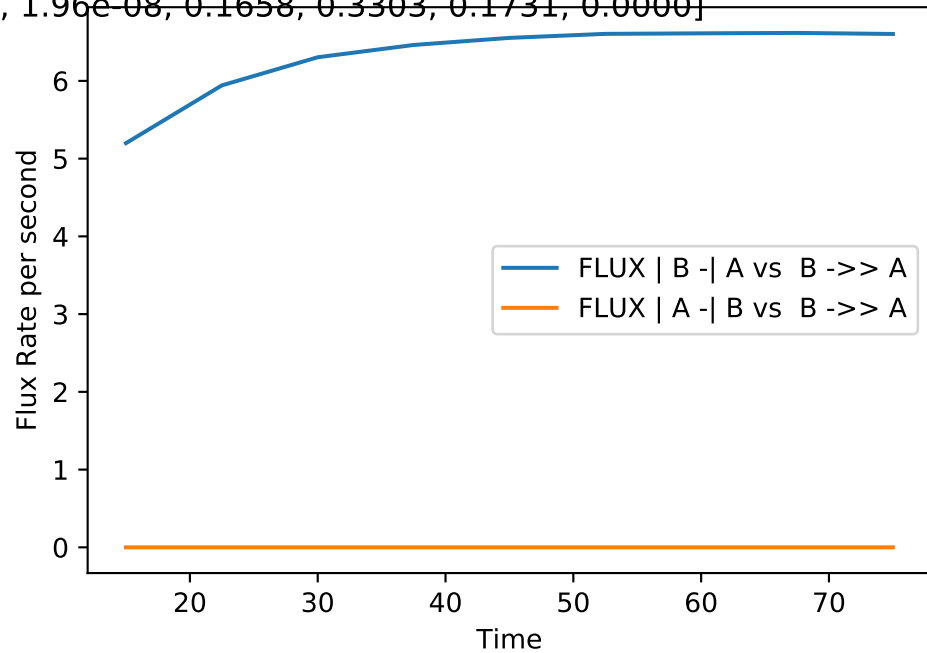
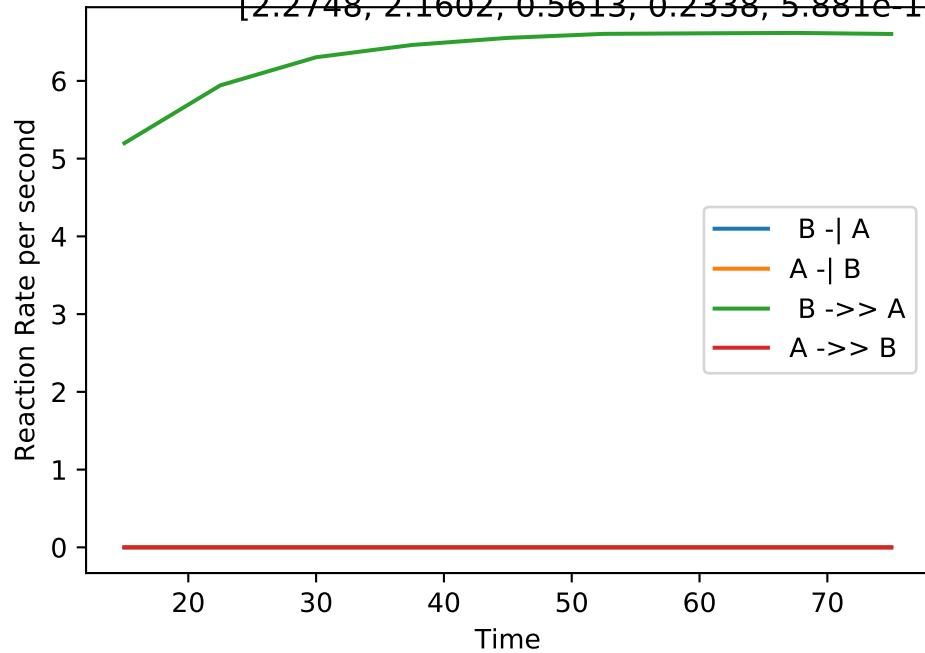
No_up | MB-LLS No_up(#35):

[2.3158, 2.2145, 0.3303, 0.1542, 4.724e-09, 1.088e-09, 0.0797, 0.1885, 0.0960, 0.0000]



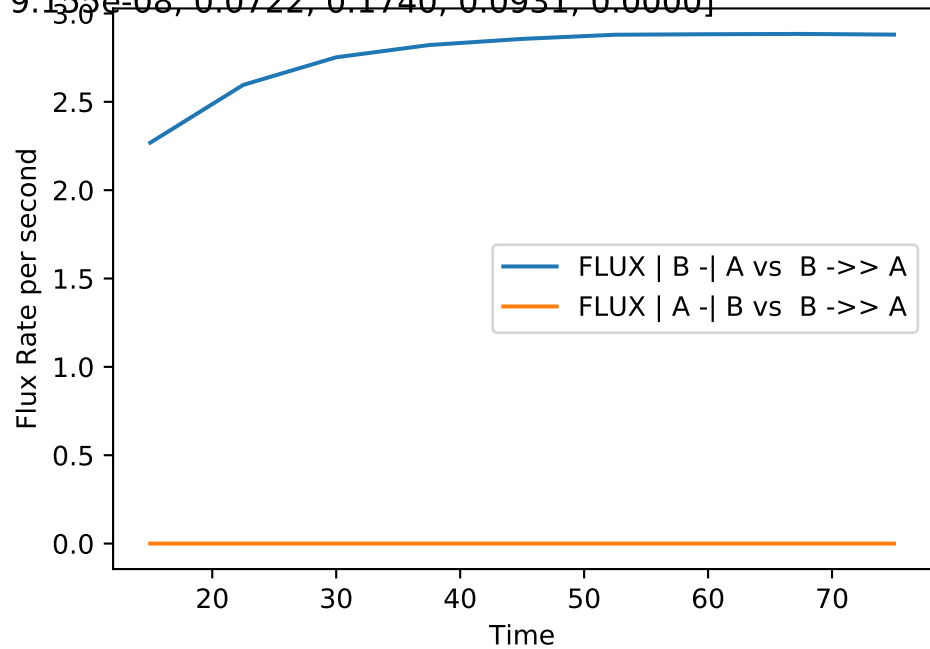
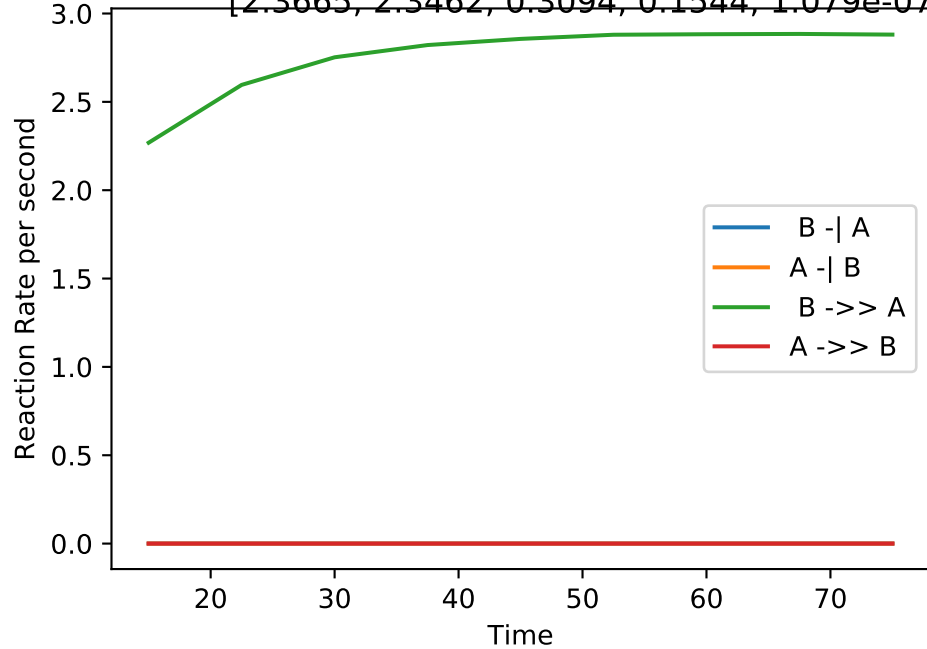
No_up | MB-LLS No_up(#36):

[2.2748, 2.1602, 0.5613, 0.2338, 5.881e-10, 1.96e-08, 0.1658, 0.3303, 0.1731, 0.0000]



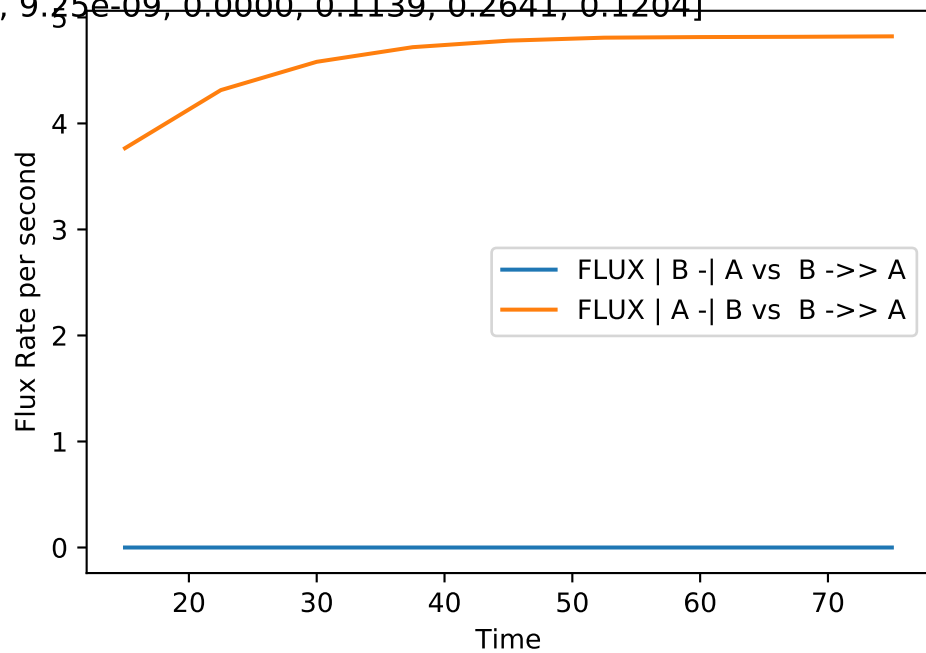
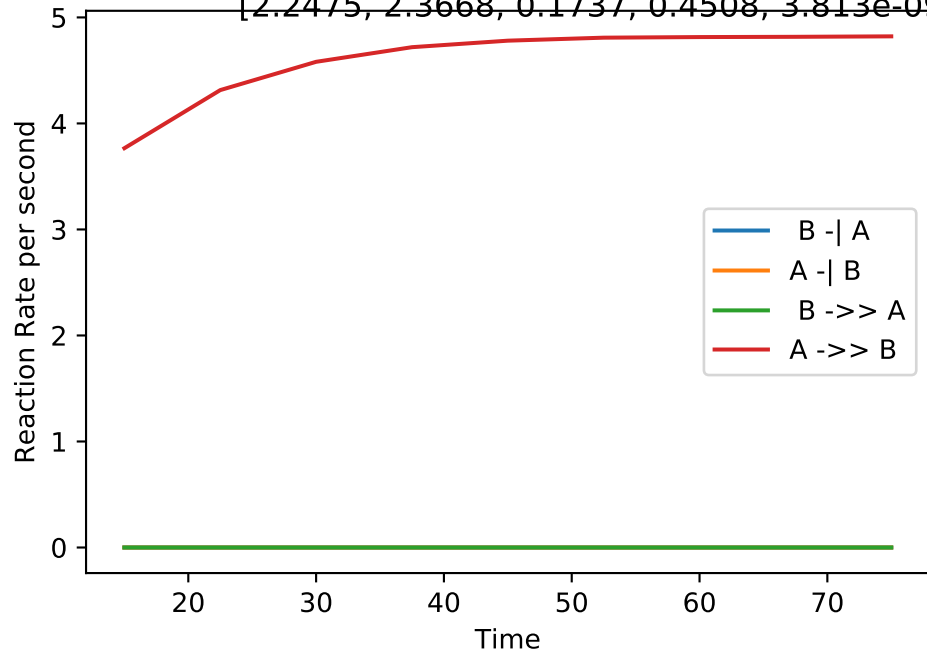
No_up | MB-LLS No_up(#37):

[2.3665, 2.3462, 0.3094, 0.1544, 1.079e-07, 9.155e-08, 0.0722, 0.1740, 0.0931, 0.0000]



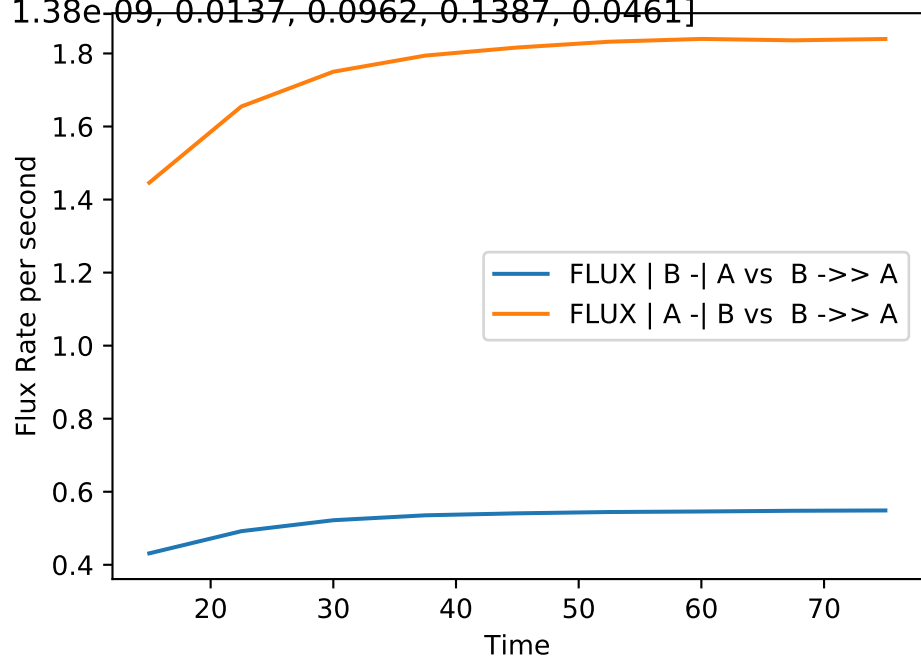
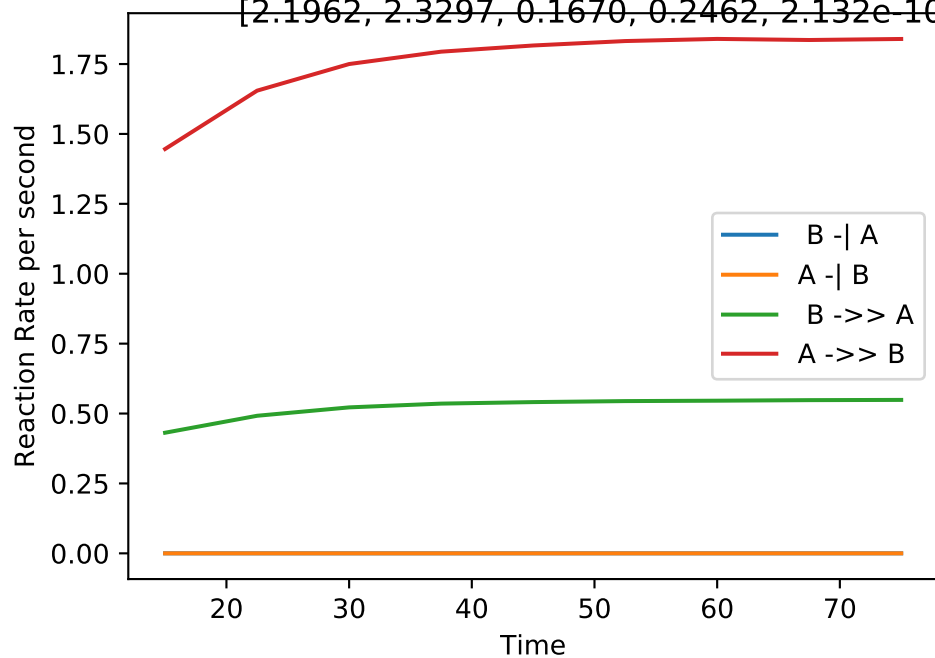
No_up | MB-LLS No_up(#38):

[2.2475, 2.3668, 0.1737, 0.4508, 3.813e-09, 9.25e-09, 0.0000, 0.1139, 0.2641, 0.1204]



No_up | MB-LLS No_up(#39):

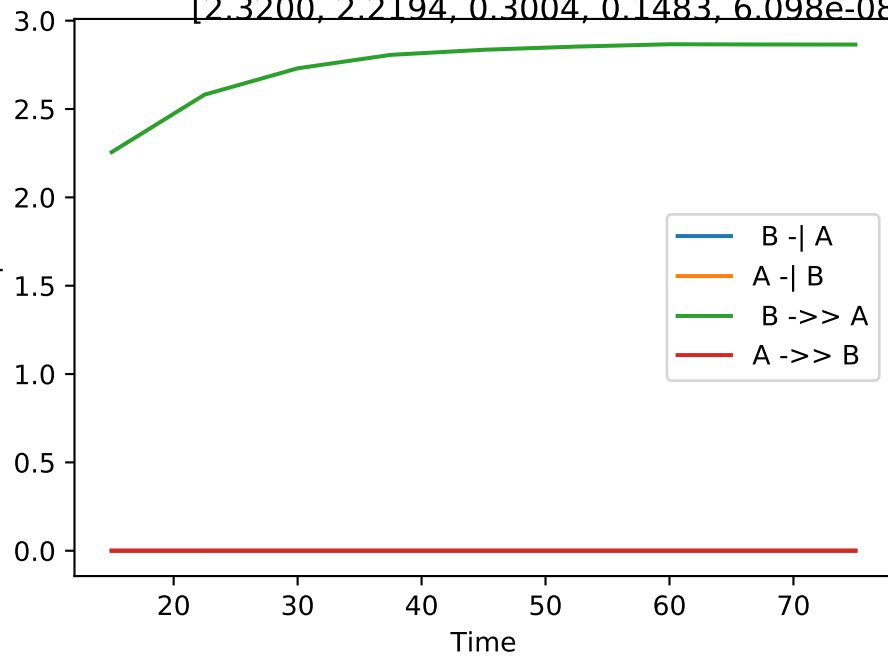
[2.1962, 2.3297, 0.1670, 0.2462, 2.132e-10, 1.38e-09, 0.0137, 0.0962, 0.1387, 0.0461]



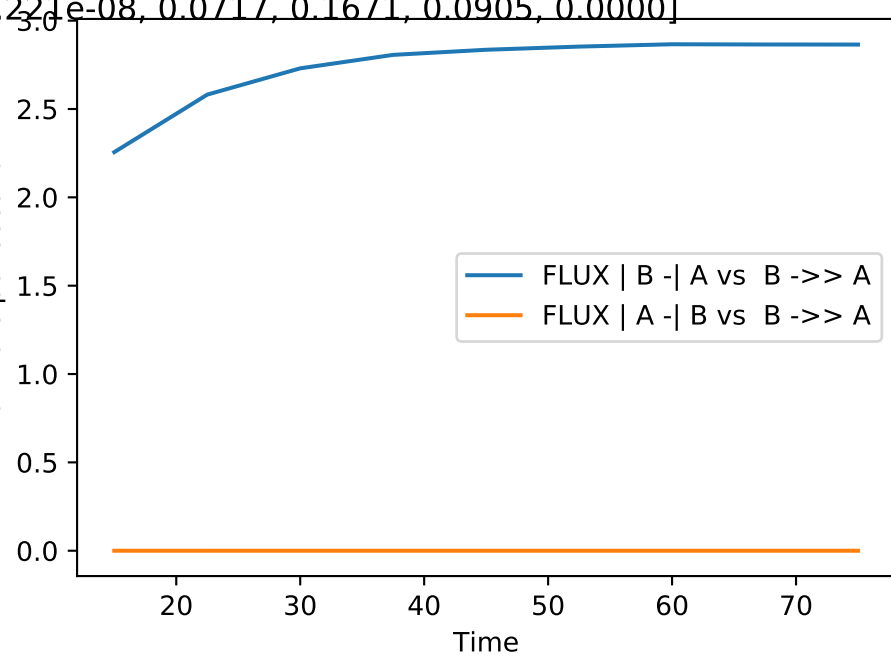
No_up | MB-LLS No_up(#40):

[2.3200, 2.2194, 0.3004, 0.1483, 6.098e-08, 7.221e-08, 0.0717, 0.1671, 0.0905, 0.0000]

Reaction Rate per second



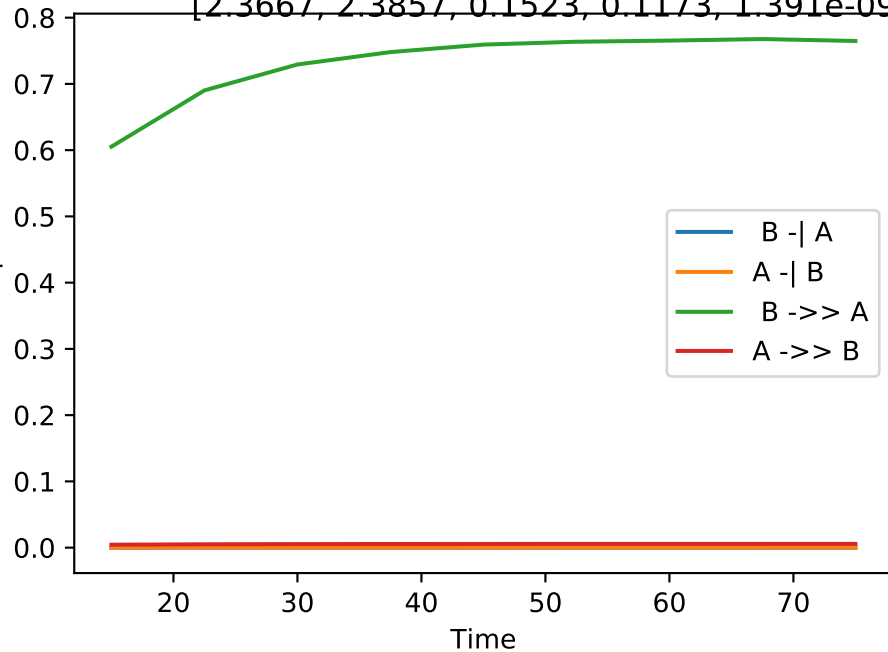
Flux Rate per second



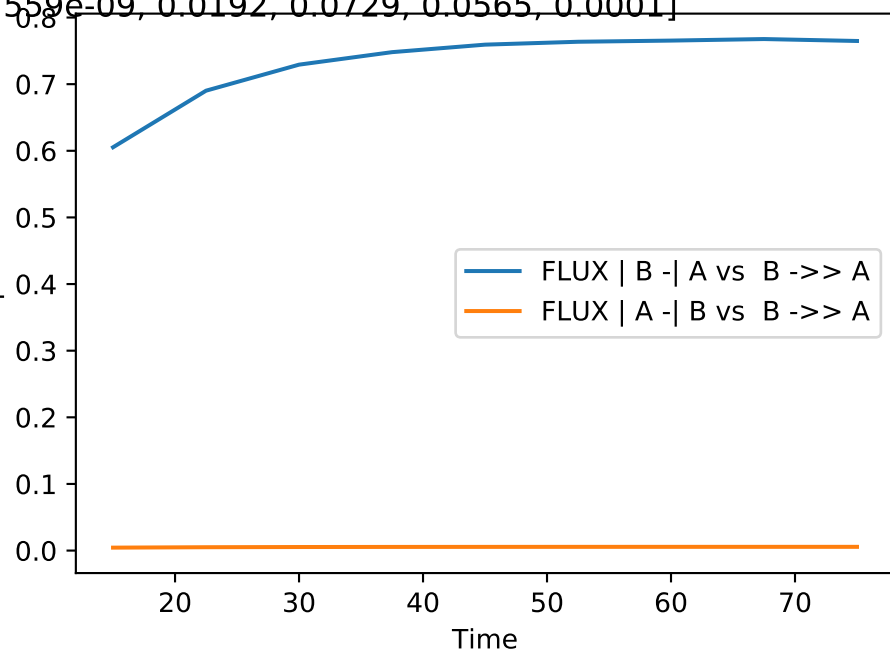
No_up | MB-LLS No_up(#41):

[2.3667, 2.3857, 0.1523, 0.1173, 1.391e-09, 2.559e-09, 0.0192, 0.0729, 0.0565, 0.0001]

Reaction Rate per second

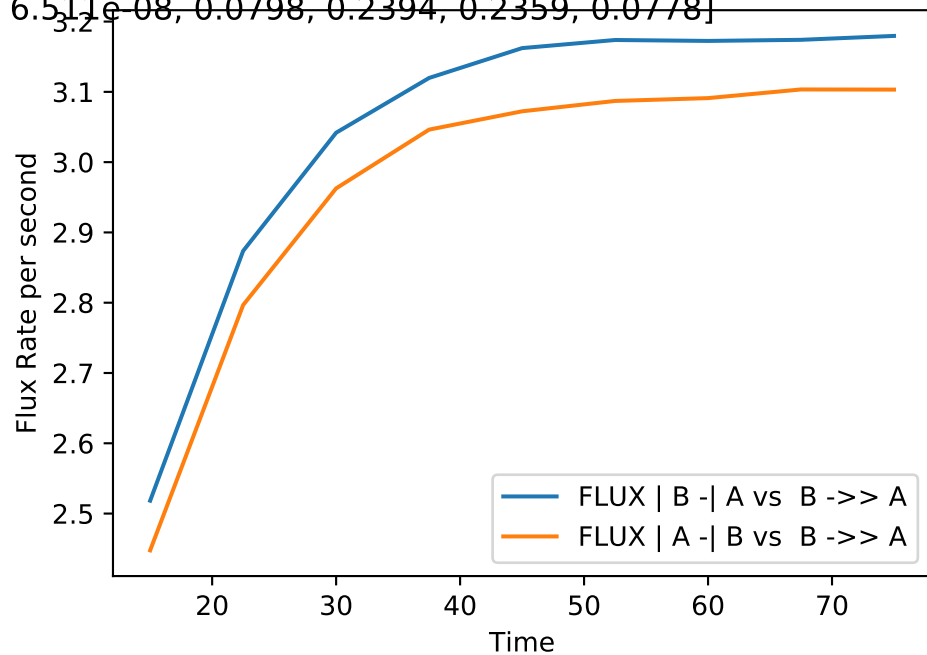
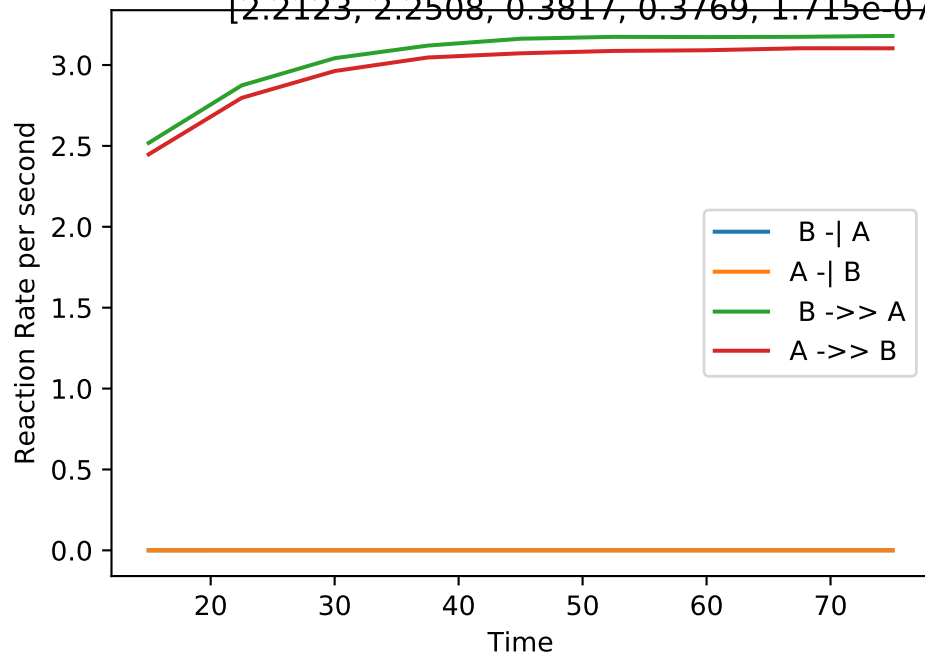


Flux Rate per second



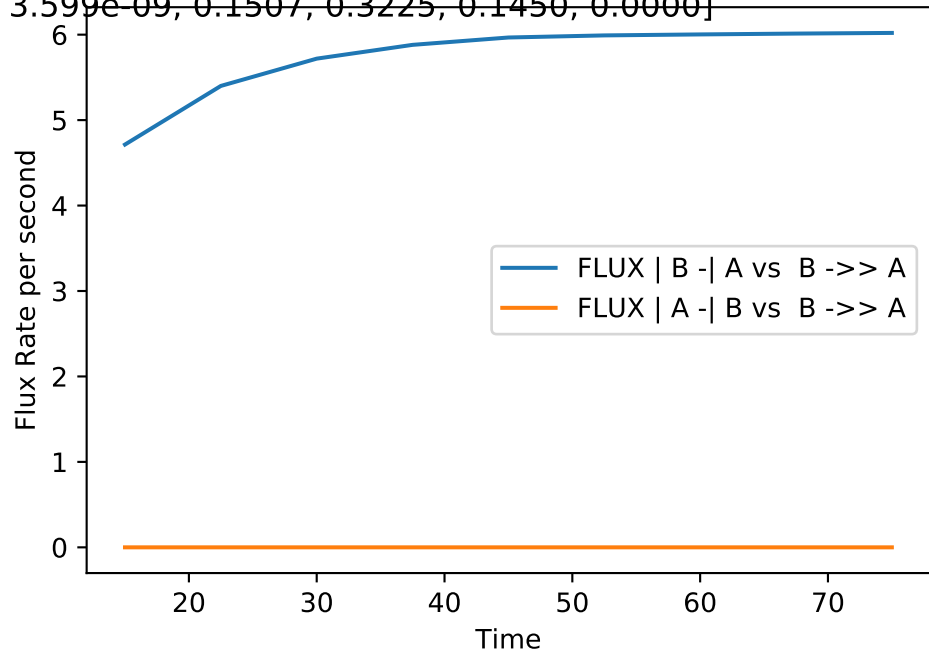
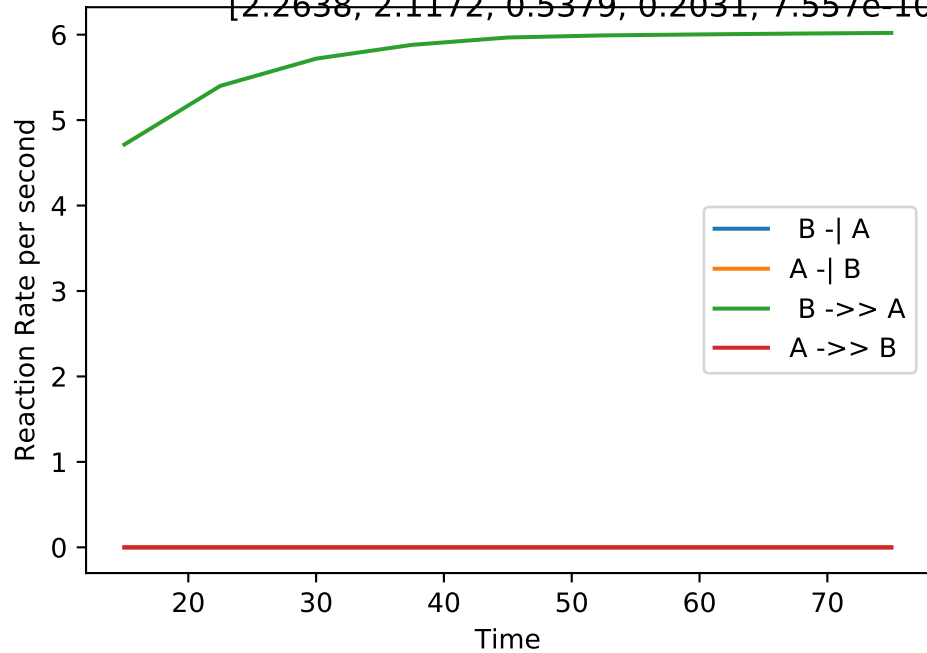
No_up | MB-LLS No_up(#42):

[2.2123, 2.2508, 0.3817, 0.3769, 1.715e-07, 6.511e-08, 0.0798, 0.2394, 0.2359, 0.0778]



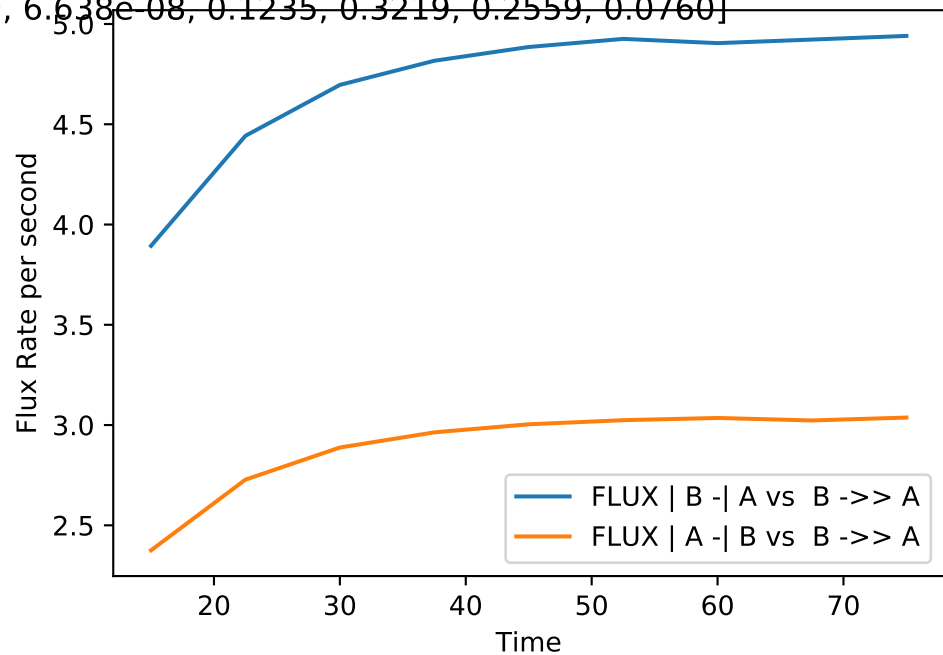
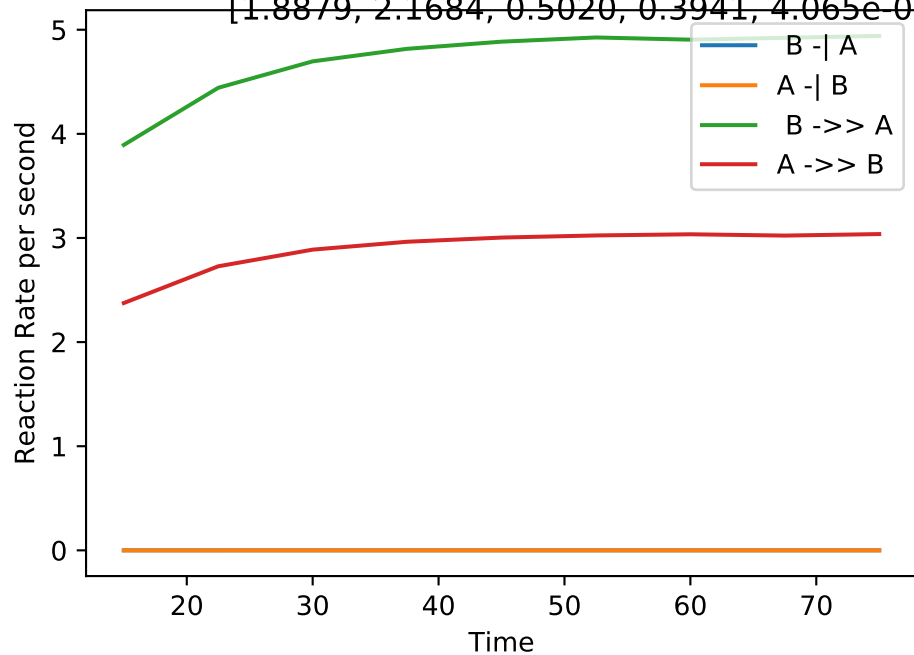
No_up | MB-LLS No_up(#43):

[2.2638, 2.1172, 0.5379, 0.2031, 7.557e-10, 3.599e-09, 0.1507, 0.3225, 0.1450, 0.0000]



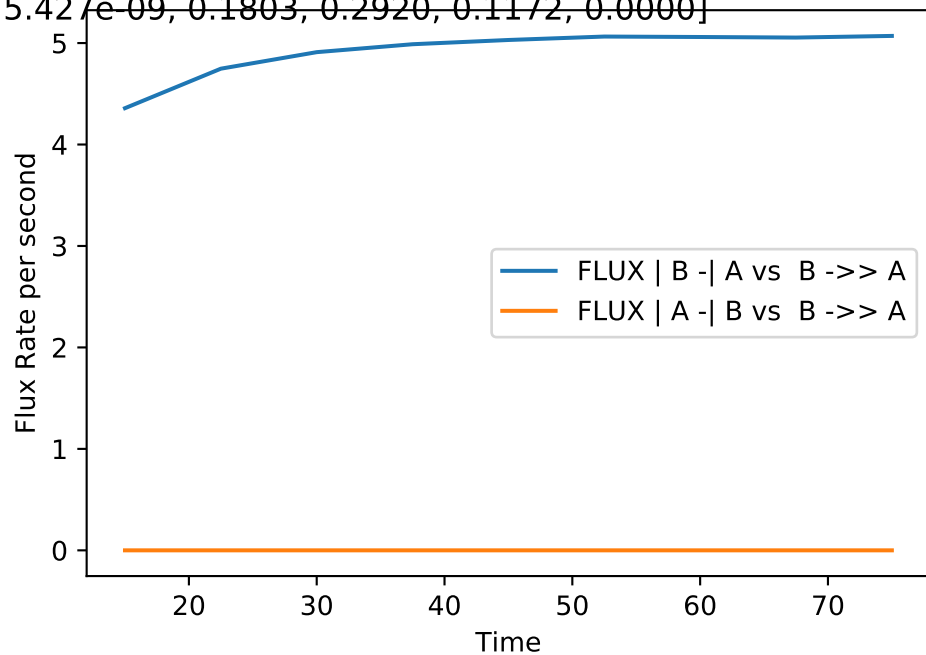
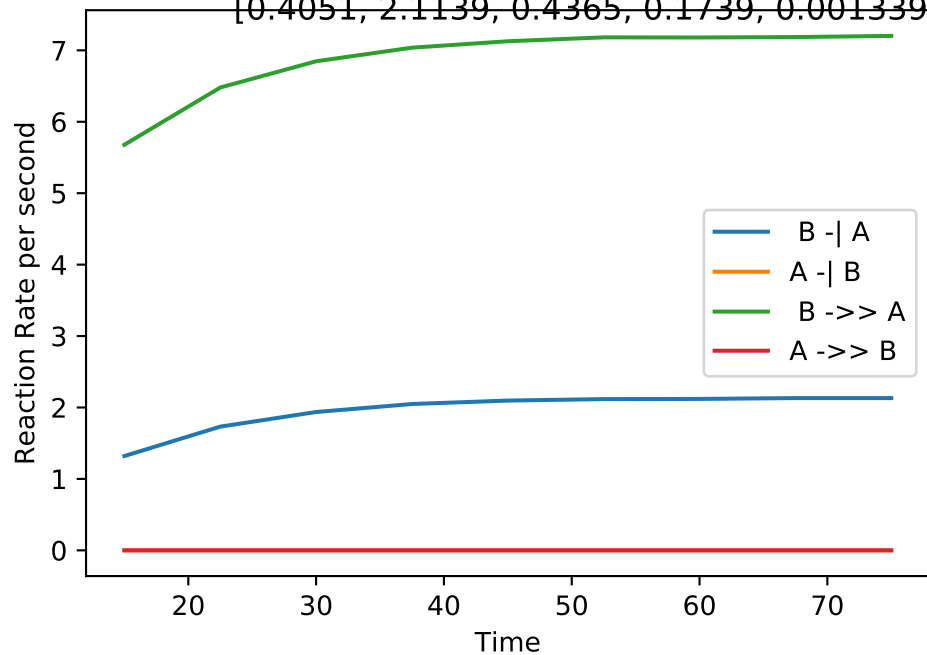
No_up | MB-LLS No_up(#44):

[1.8879, 2.1684, 0.5020, 0.3941, 4.065e-09, 6.638e-08, 0.1235, 0.3219, 0.2559, 0.0760]



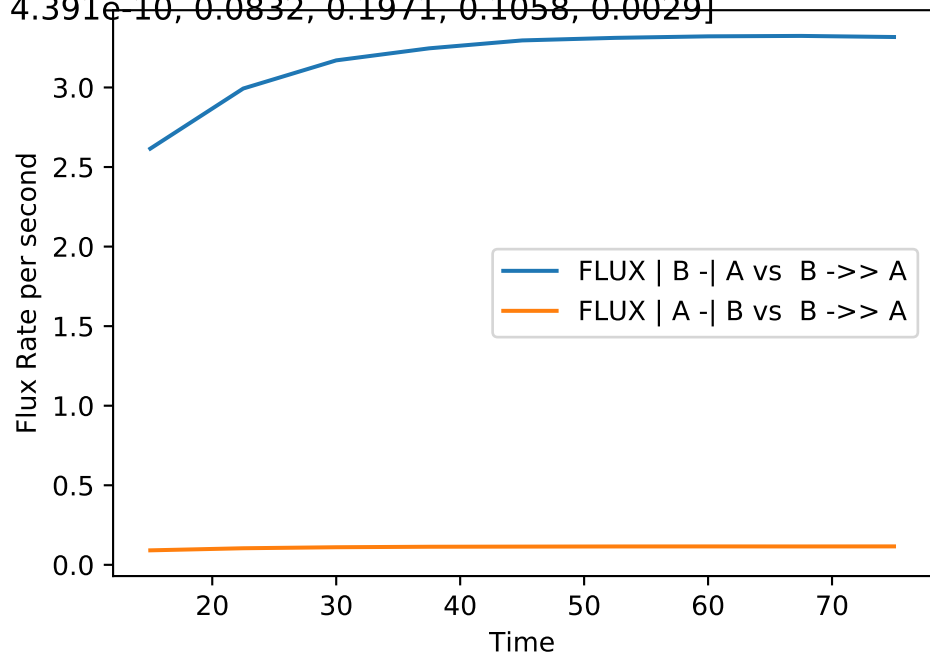
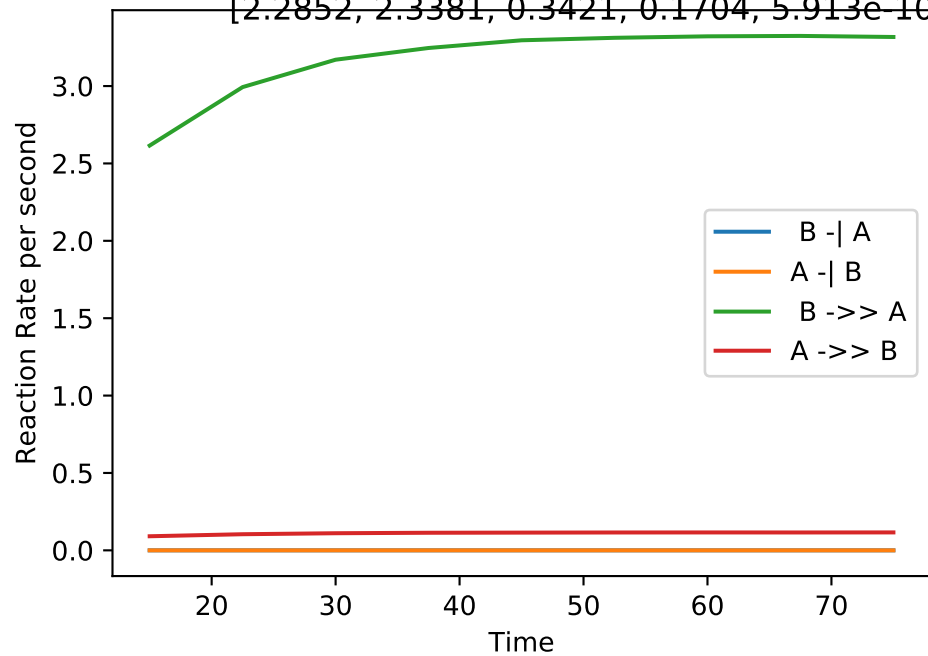
No_up | MB-LLS No_up(#45):

[0.4051, 2.1139, 0.4365, 0.1739, 0.001339, 5.427e-09, 0.1803, 0.2920, 0.1172, 0.0000]



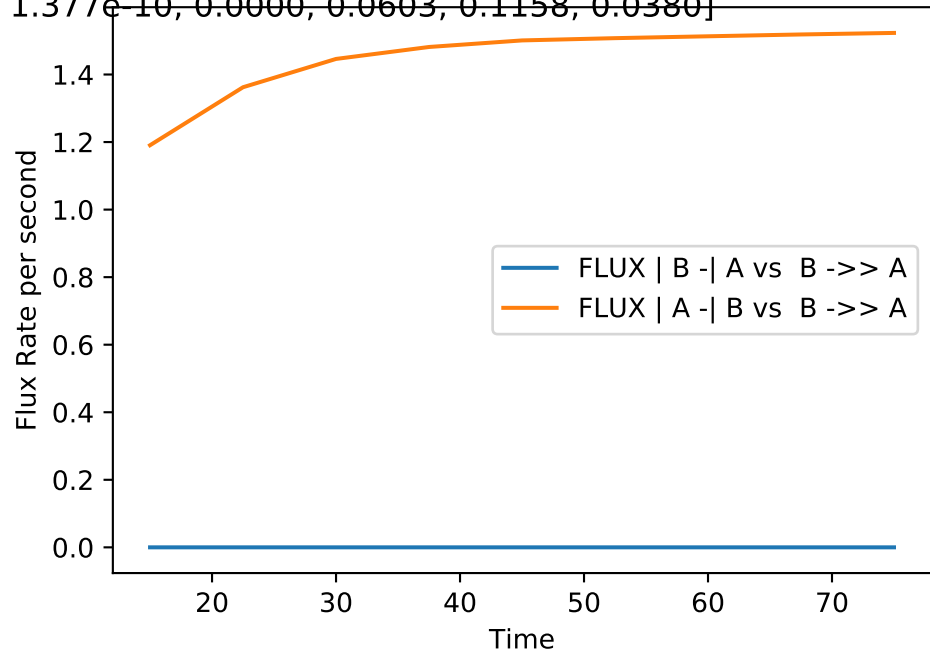
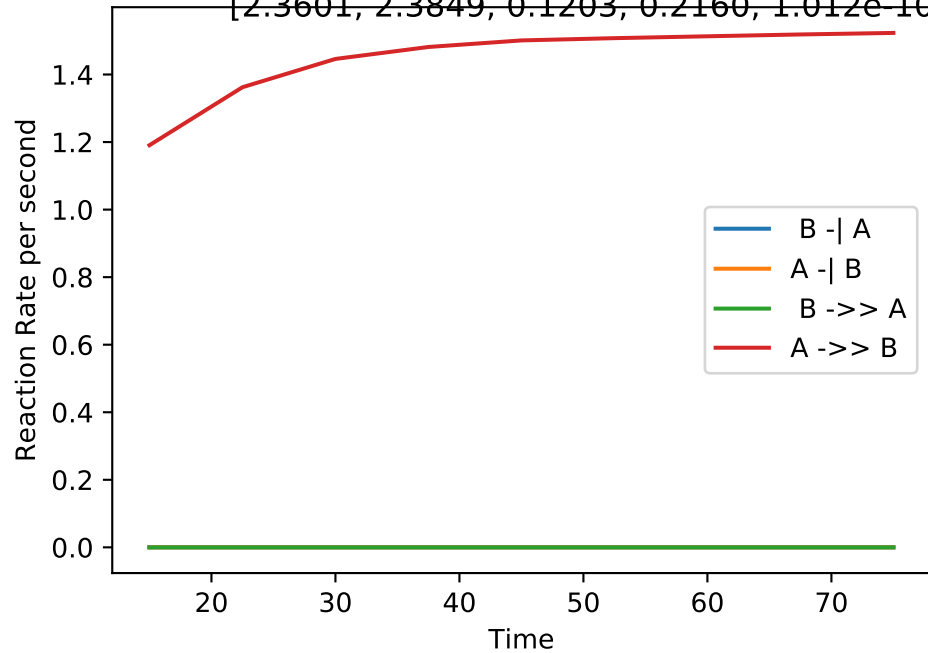
No_up | MB-LLS No_up(#46):

[2.2852, 2.3381, 0.3421, 0.1704, 5.913e-10, 4.391e-10, 0.0832, 0.1971, 0.1058, 0.0029]



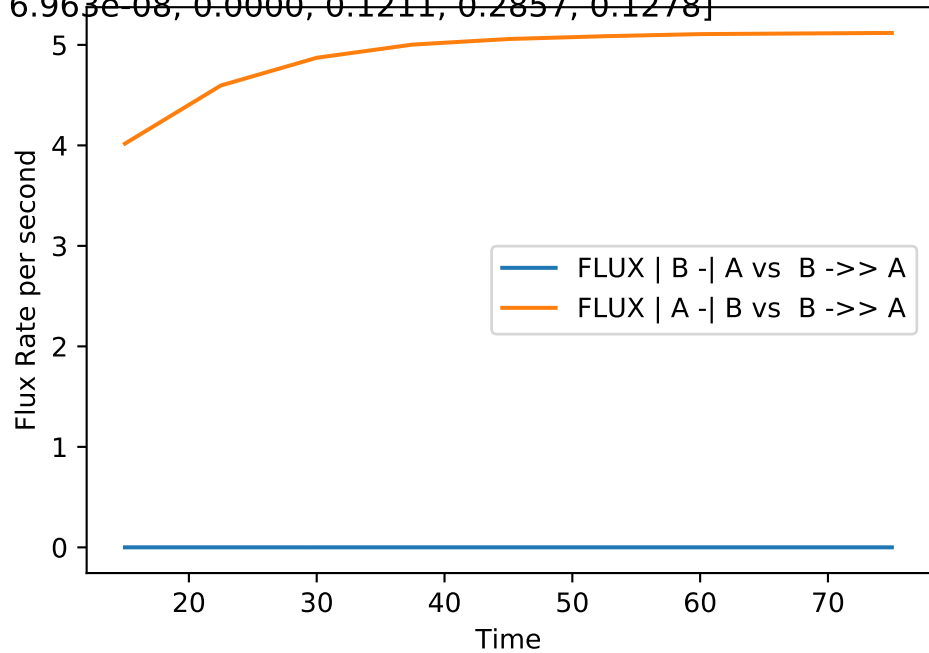
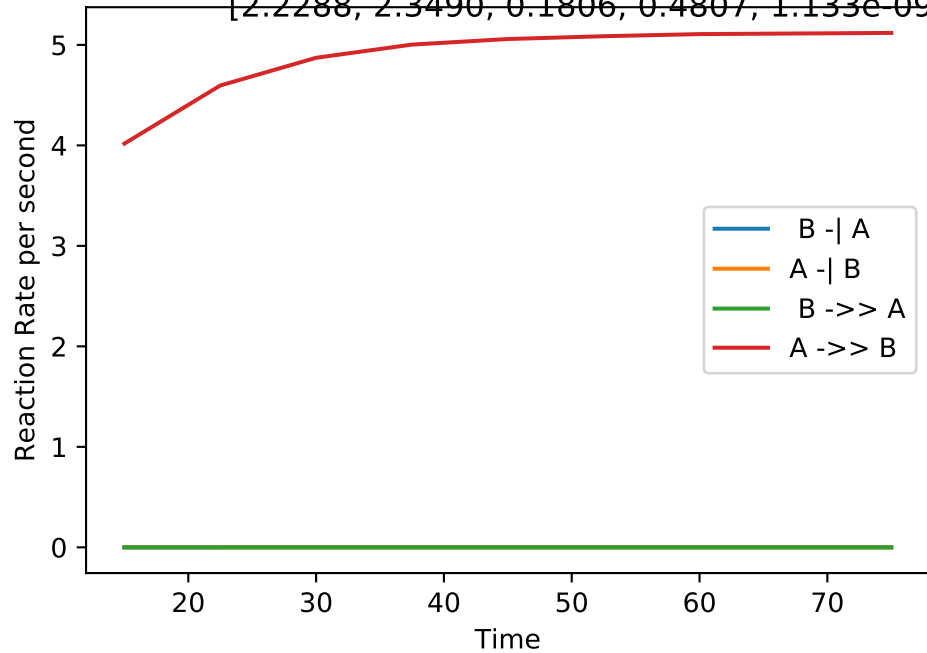
No_up | MB-LLS No_up(#47):

[2.3601, 2.3849, 0.1203, 0.2160, 1.012e-10, 1.377e-10, 0.0000, 0.0603, 0.1158, 0.0380]



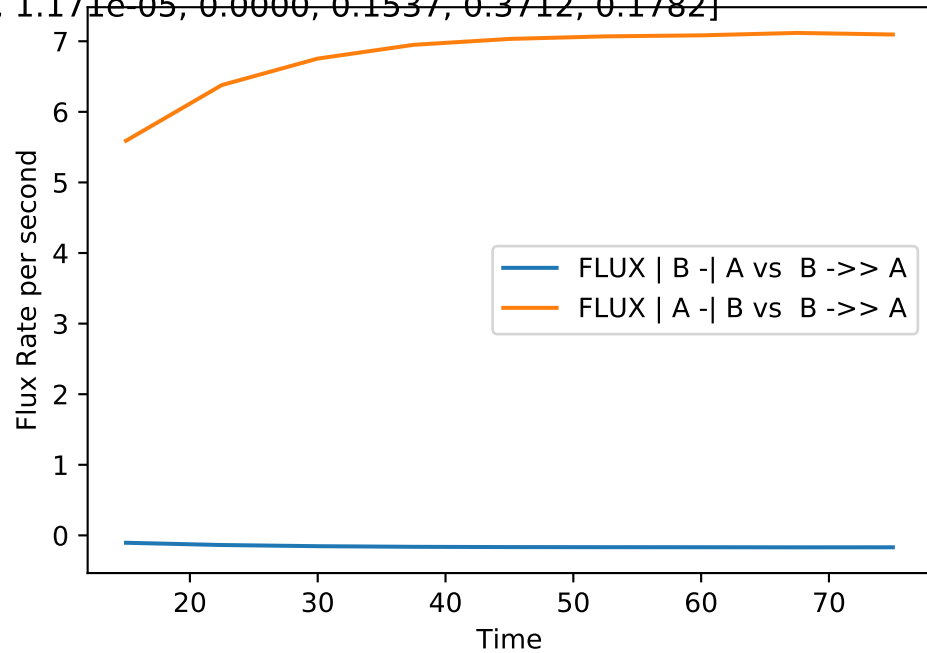
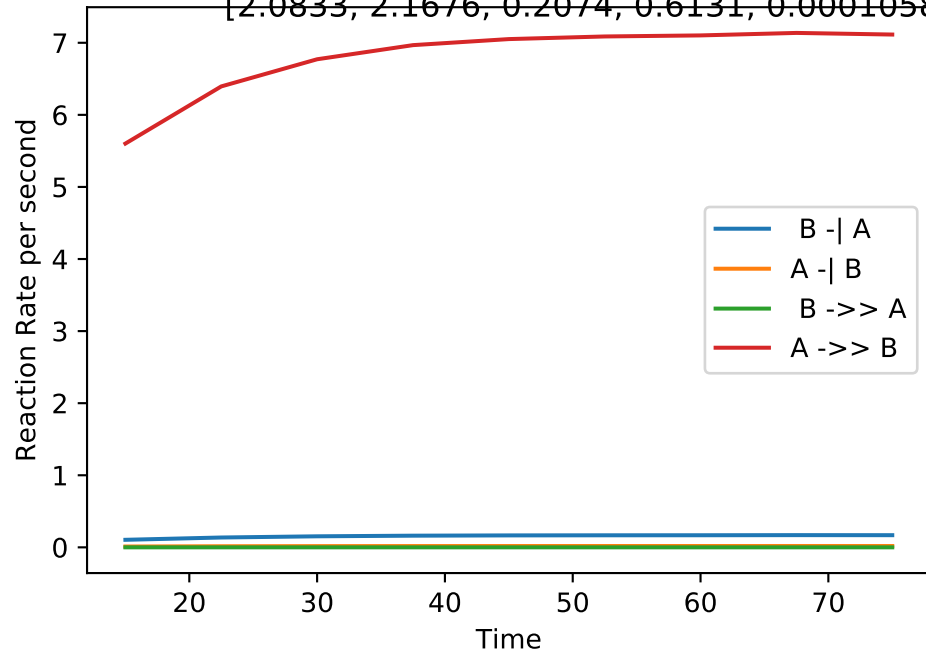
No_up | MB-LLS No_up(#48):

[2.2288, 2.3490, 0.1806, 0.4807, 1.133e-09, 6.963e-08, 0.0000, 0.1211, 0.2857, 0.1278]



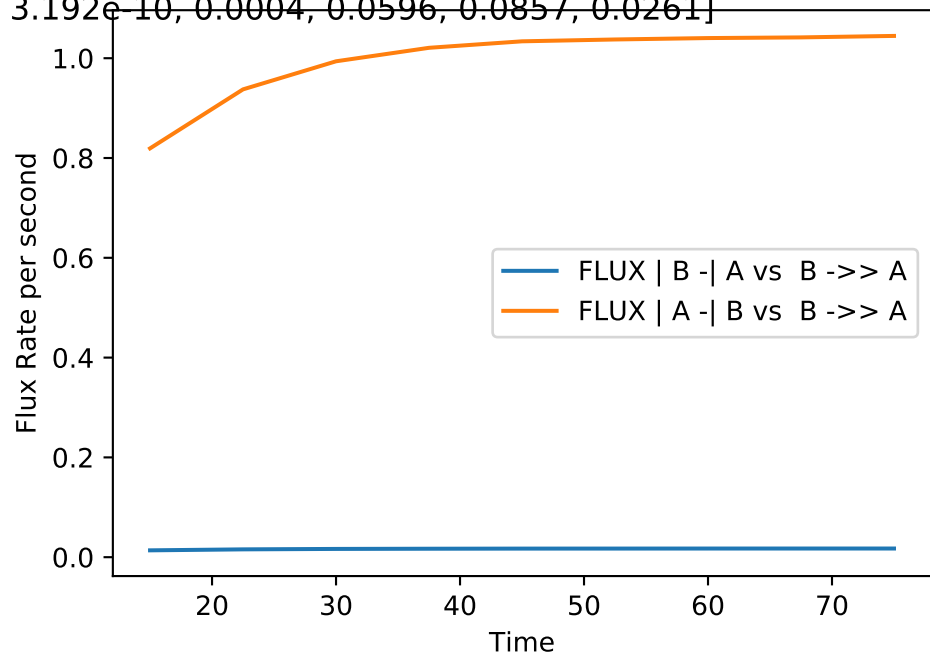
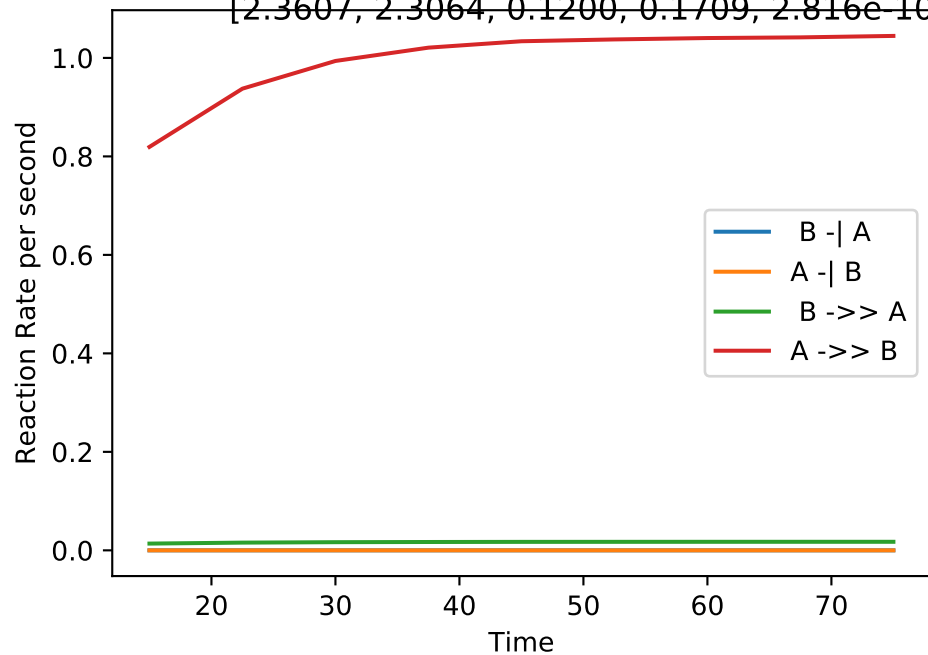
No_up | MB-LLS No_up(#49):

[2.0833, 2.1676, 0.2074, 0.6131, 0.0001058, 1.171e-05, 0.0000, 0.1537, 0.3712, 0.1782]



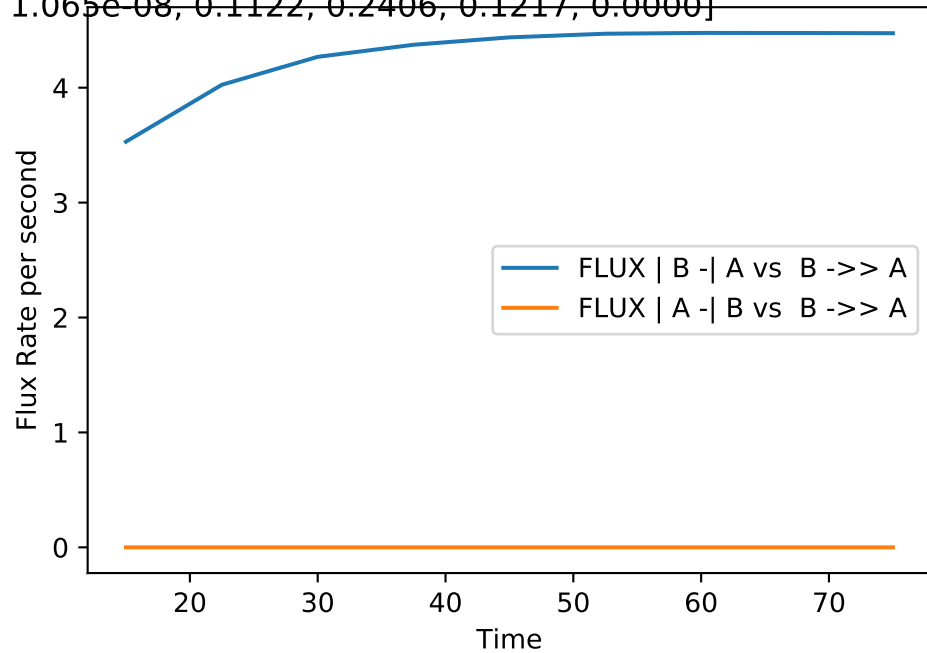
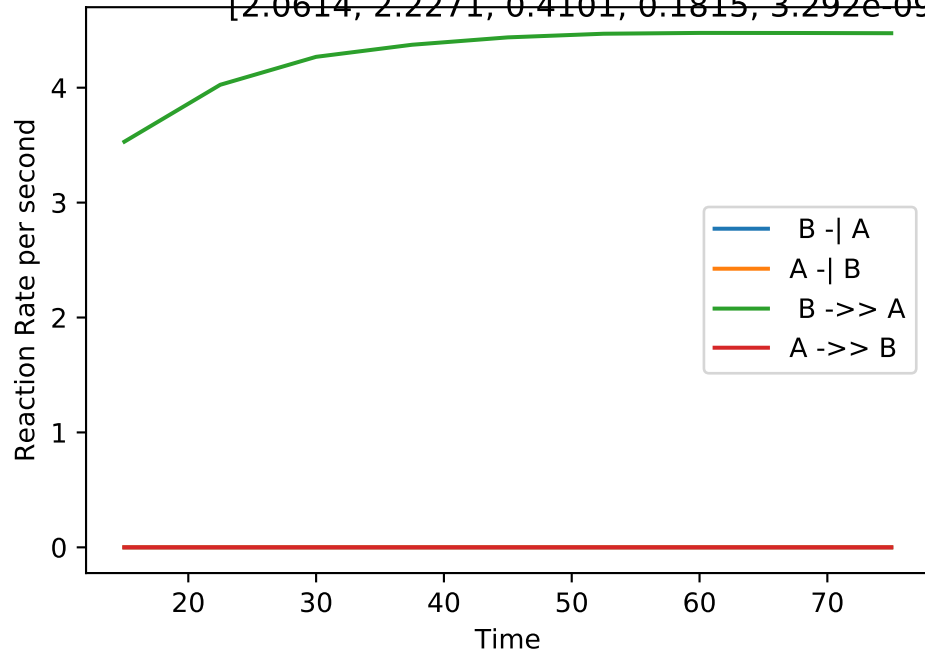
No_up | MB-LLS No_up(#50):

[2.3607, 2.3064, 0.1200, 0.1709, 2.816e-10, 3.192e-10, 0.0004, 0.0596, 0.0857, 0.0261]



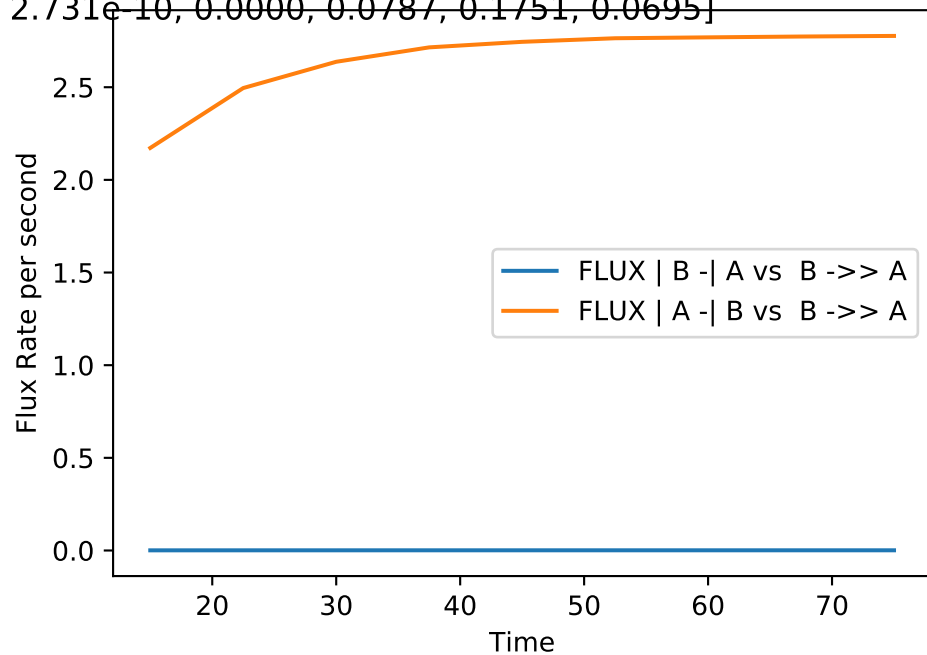
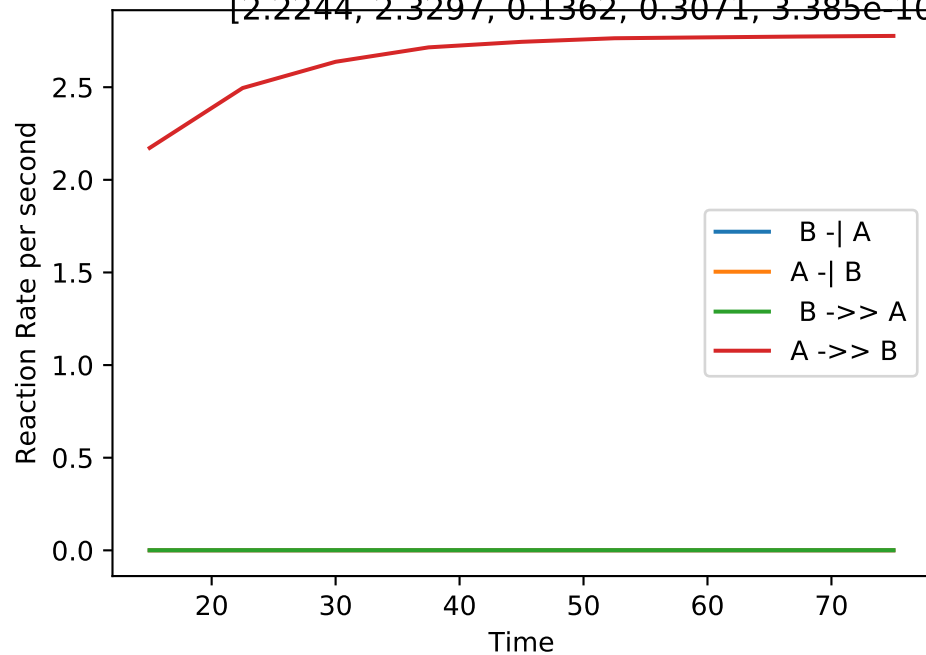
No_up | MB-LLS No_up(#51):

[2.0614, 2.2271, 0.4101, 0.1815, 3.292e-09, 1.065e-08, 0.1122, 0.2406, 0.1217, 0.0000]



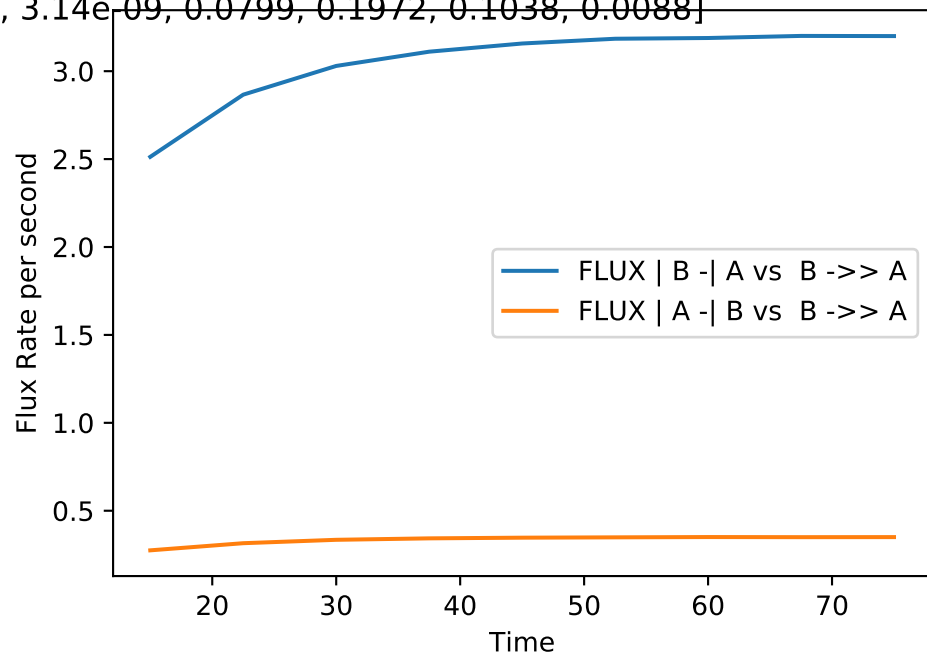
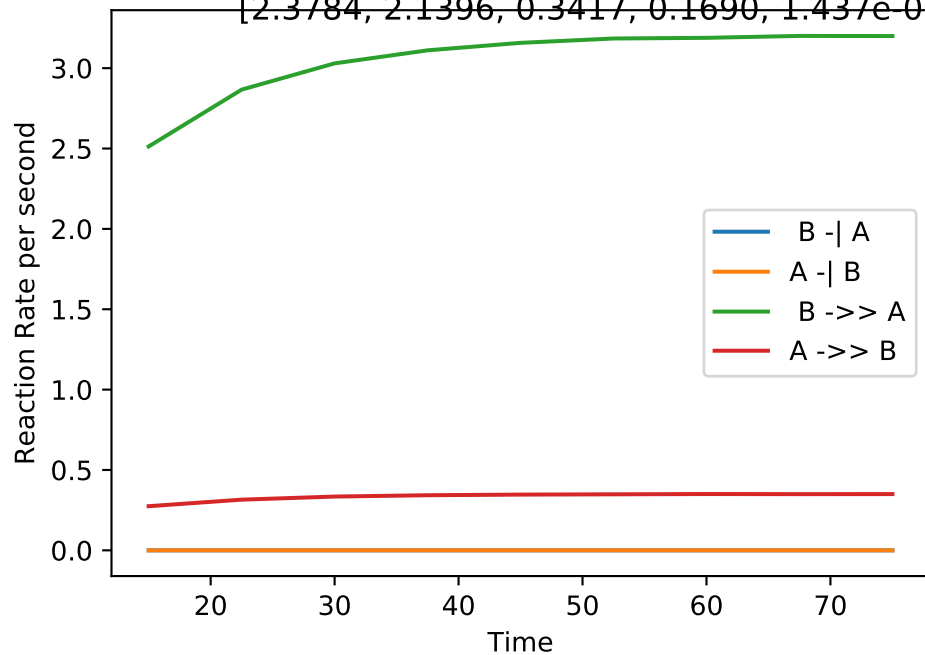
No_up | MB-LLS No_up(#52):

[2.2244, 2.3297, 0.1362, 0.3071, 3.385e-10, 2.731e-10, 0.0000, 0.0787, 0.1751, 0.0695]



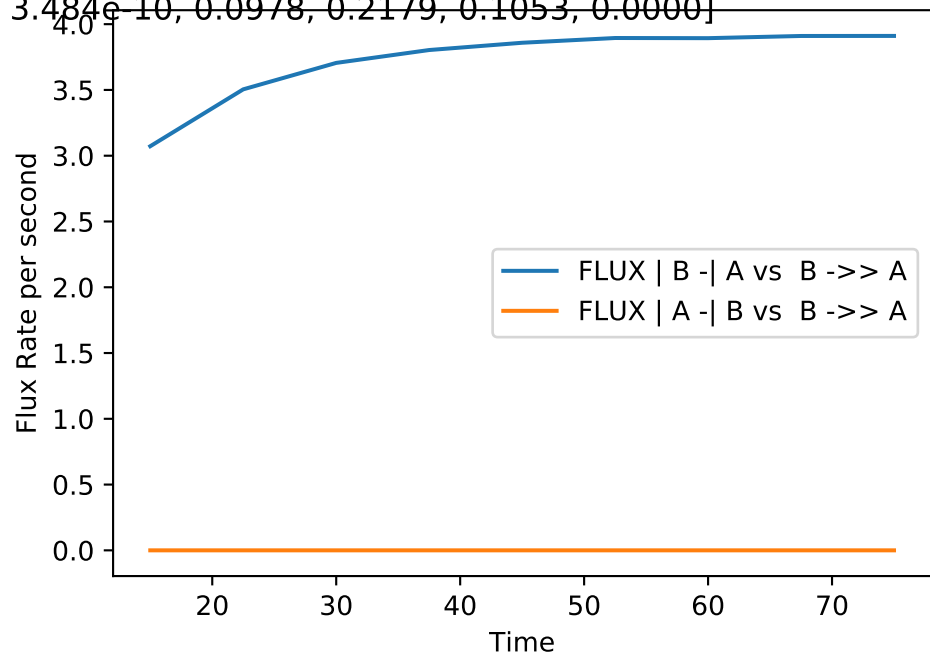
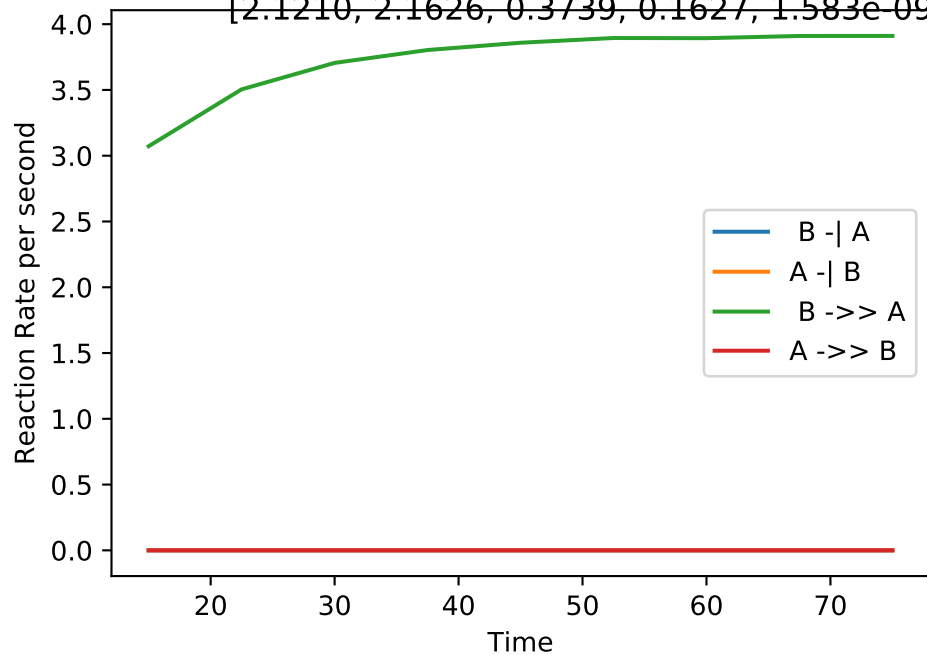
No_up | MB-LLS No_up(#53):

[2.3784, 2.1396, 0.3417, 0.1690, 1.437e-08, 3.14e-09, 0.0799, 0.1972, 0.1038, 0.0088]



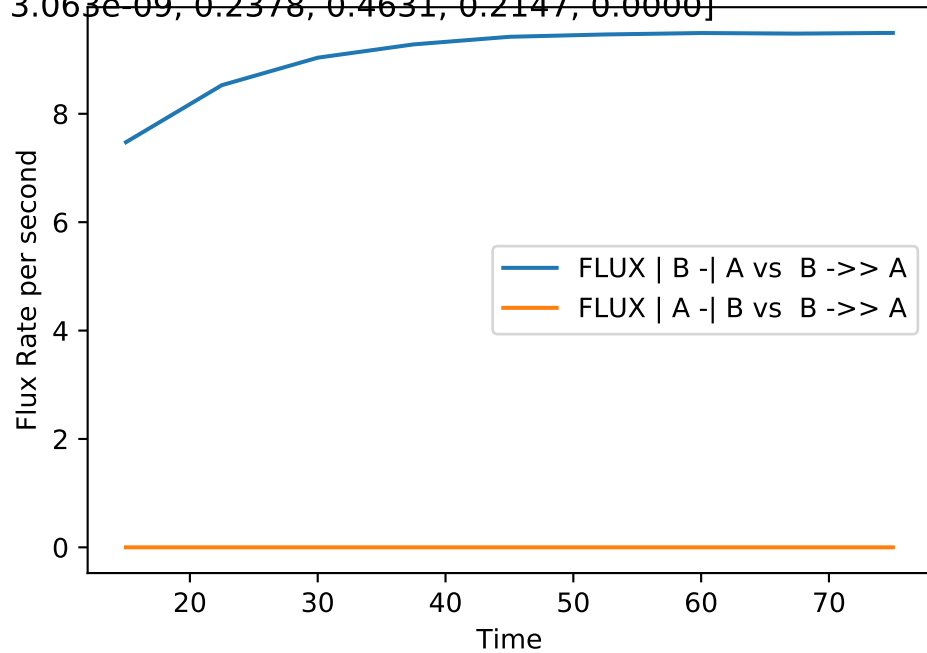
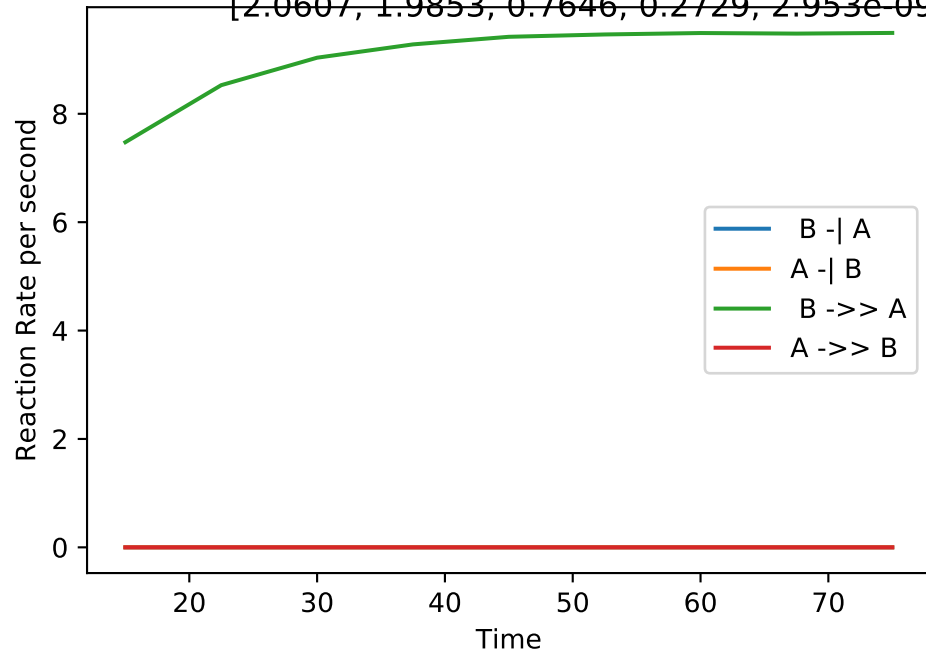
No_up | MB-LLS No_up(#54):

[2.1210, 2.1626, 0.3739, 0.1627, 1.583e-09, 3.484e-10, 0.0978, 0.2179, 0.1053, 0.0000]



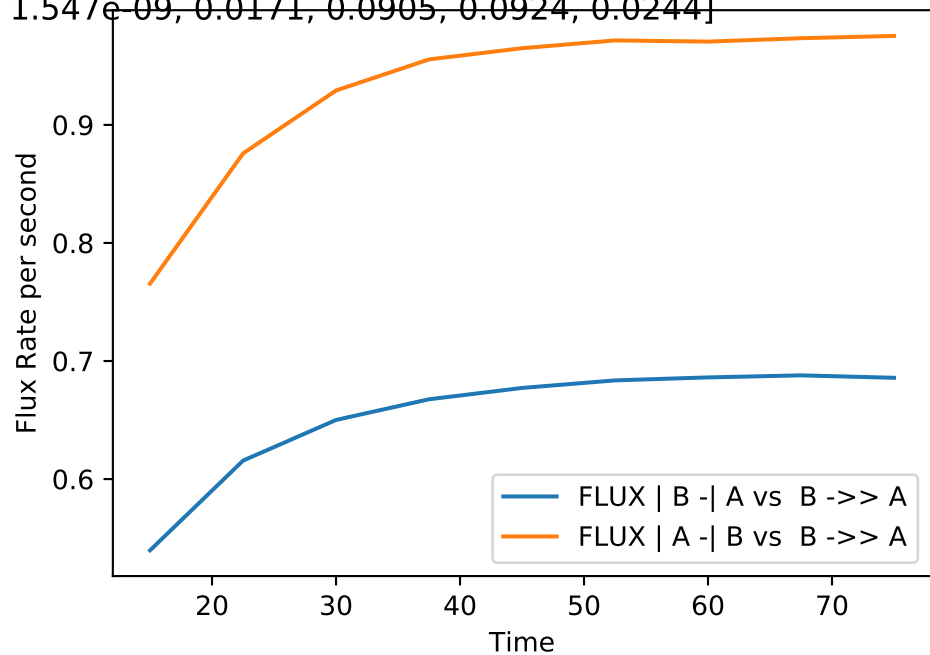
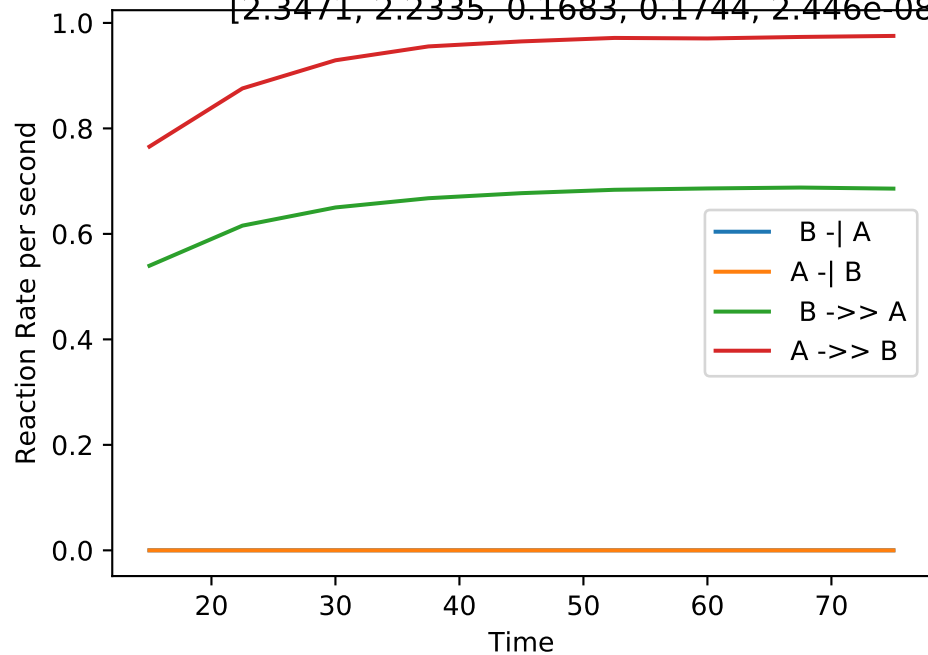
No_up | MB-LLS No_up(#55):

[2.0607, 1.9853, 0.7646, 0.2729, 2.953e-09, 3.063e-09, 0.2378, 0.4631, 0.2147, 0.0000]



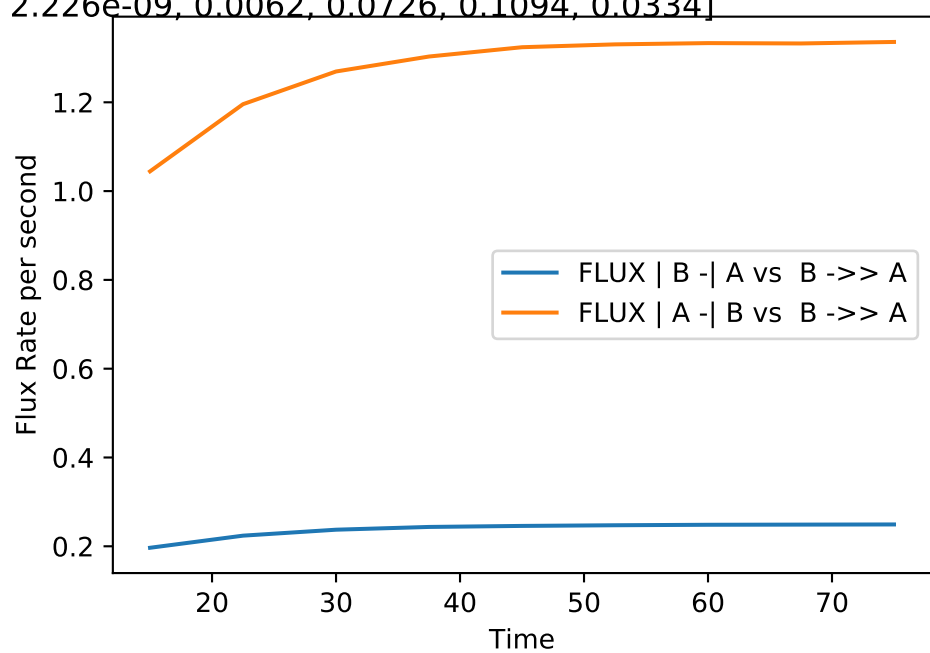
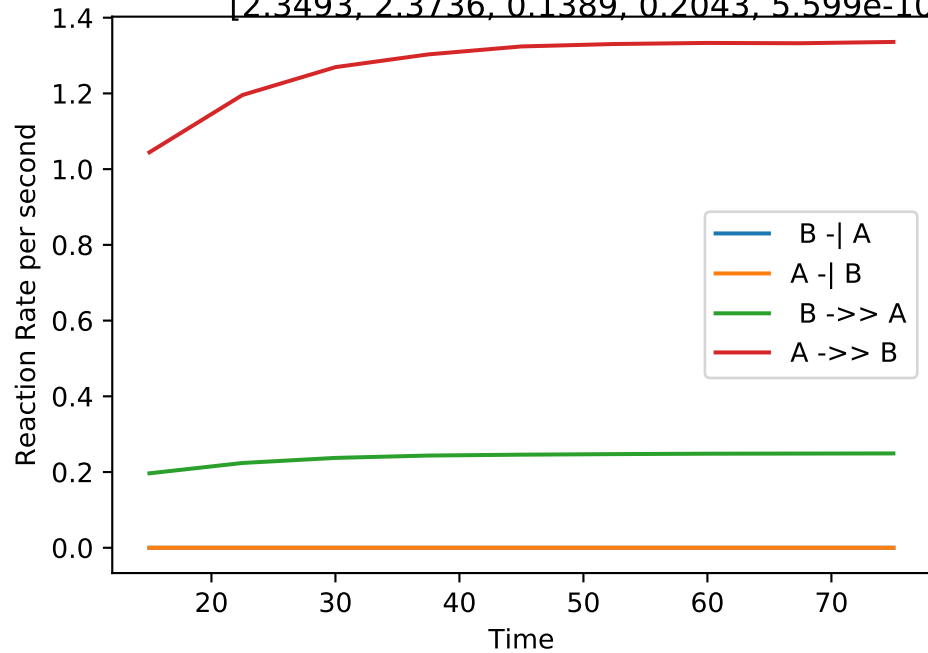
No_up | MB-LLS No_up(#56):

[2.3471, 2.2335, 0.1683, 0.1744, 2.446e-08, 1.547e-09, 0.0171, 0.0905, 0.0924, 0.0244]



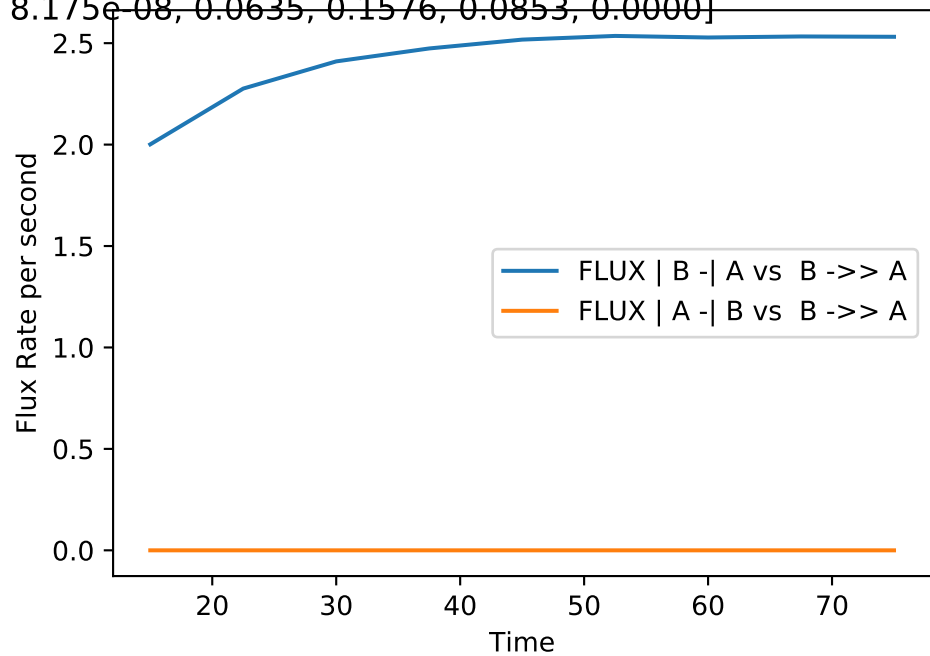
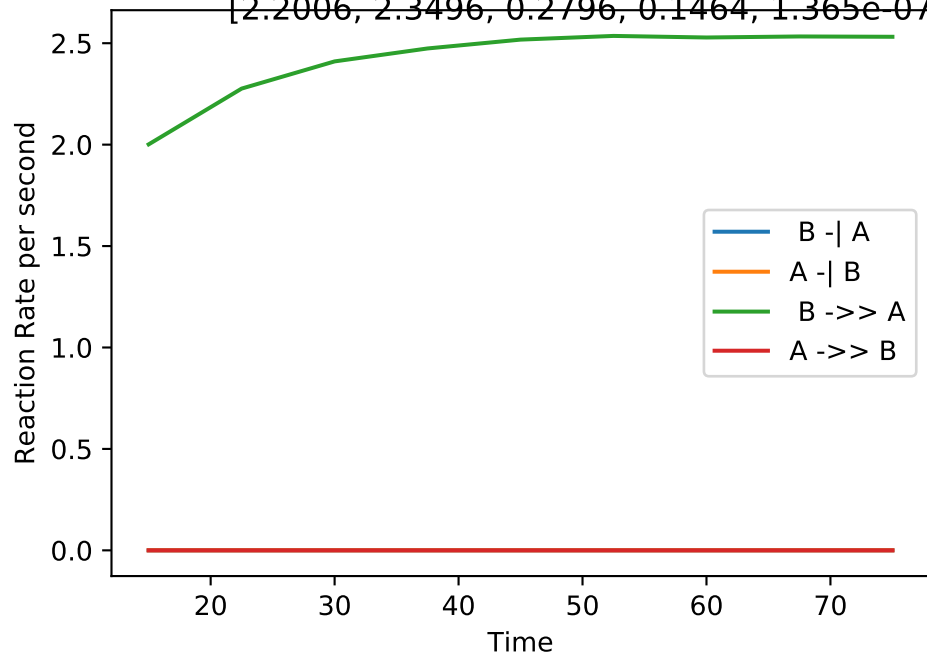
No_up | MB-LLS No_up(#57):

[2.3493, 2.3736, 0.1389, 0.2043, 5.599e-10, 2.226e-09, 0.0062, 0.0726, 0.1094, 0.0334]



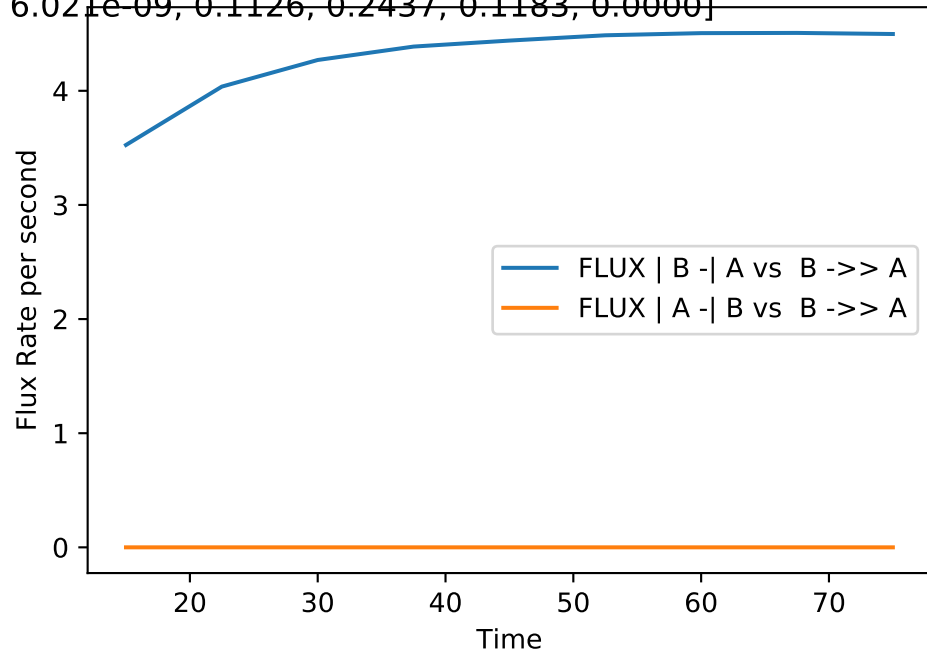
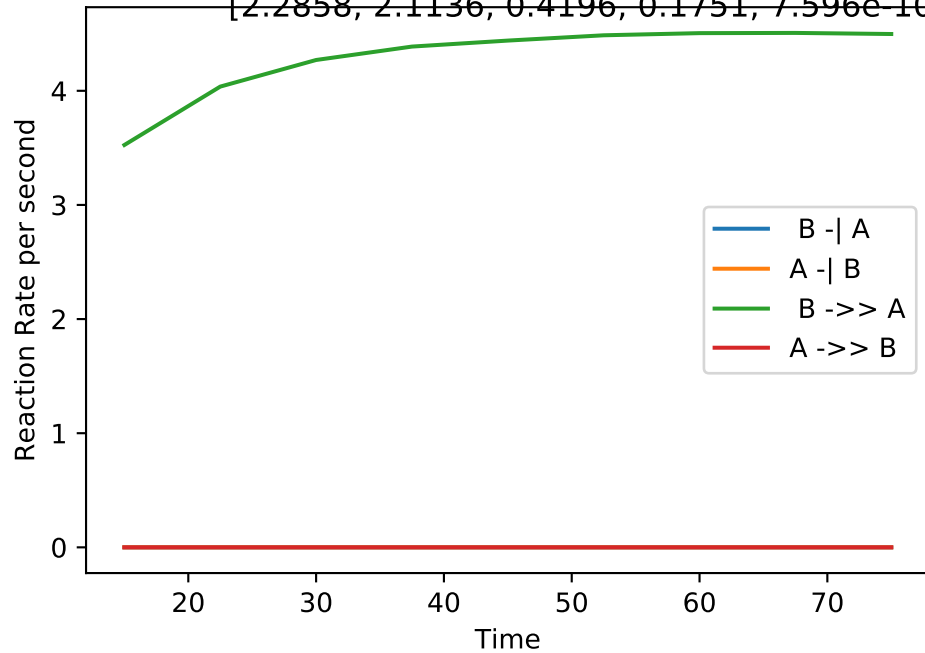
No_up | MB-LLS No_up(#58):

[2.2006, 2.3496, 0.2796, 0.1464, 1.365e-07, 8.175e-08, 0.0635, 0.1576, 0.0853, 0.0000]



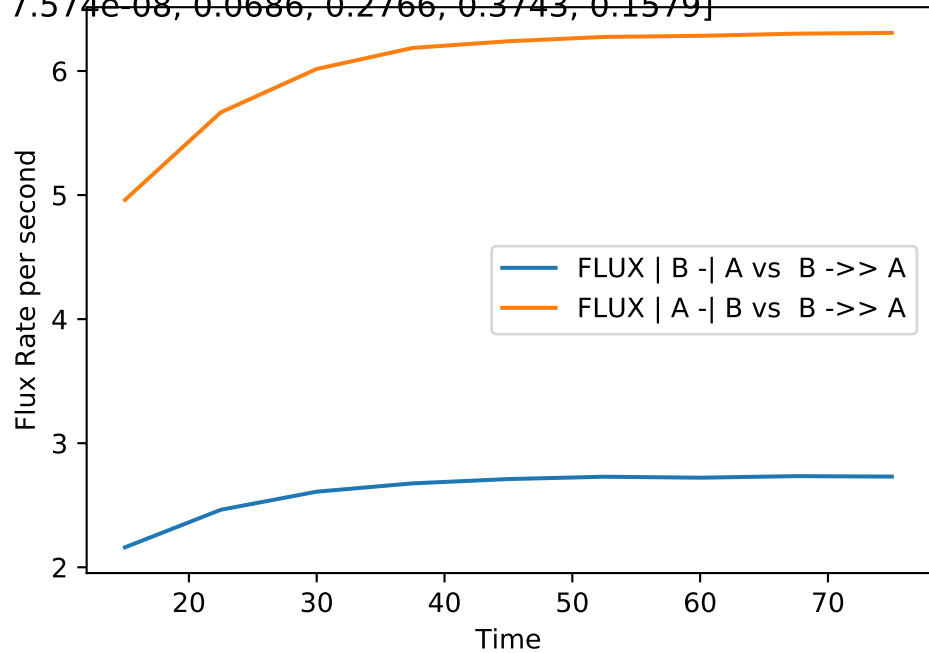
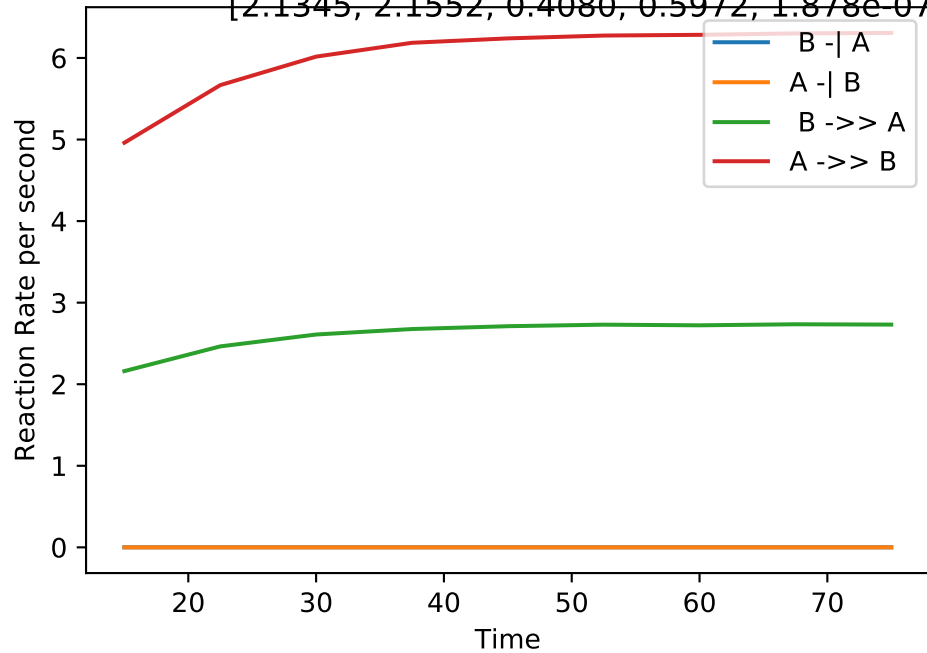
No_up | MB-LLS No_up(#59):

[2.2858, 2.1136, 0.4196, 0.1751, 7.596e-10, 6.021e-09, 0.1126, 0.2437, 0.1183, 0.0000]



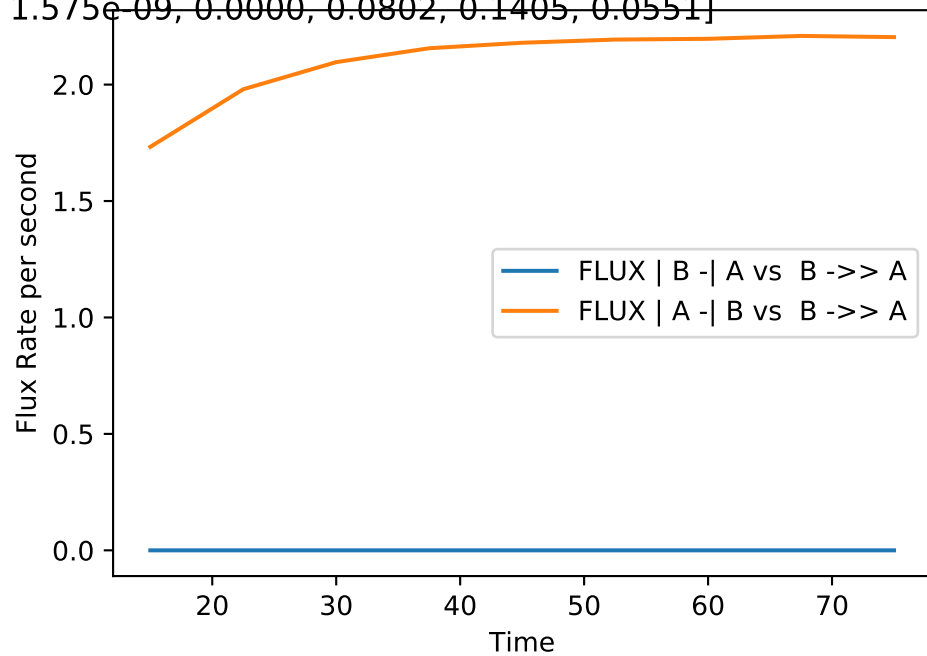
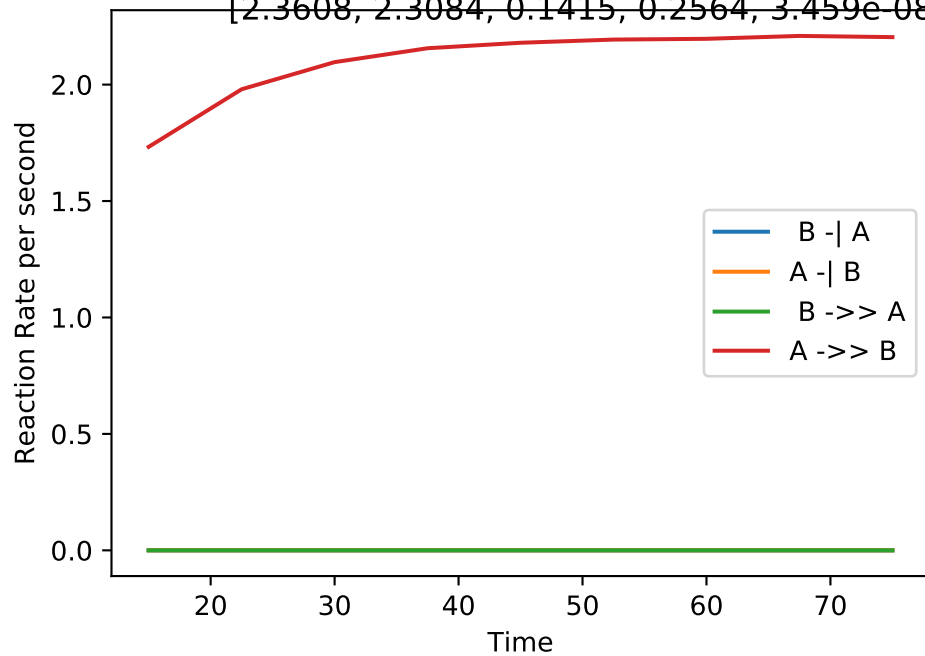
No_up | MB-LLS No_up(#60):

[2.1345, 2.1552, 0.4080, 0.5972, 1.878e-07, 7.574e-08, 0.0686, 0.2766, 0.3743, 0.1579]



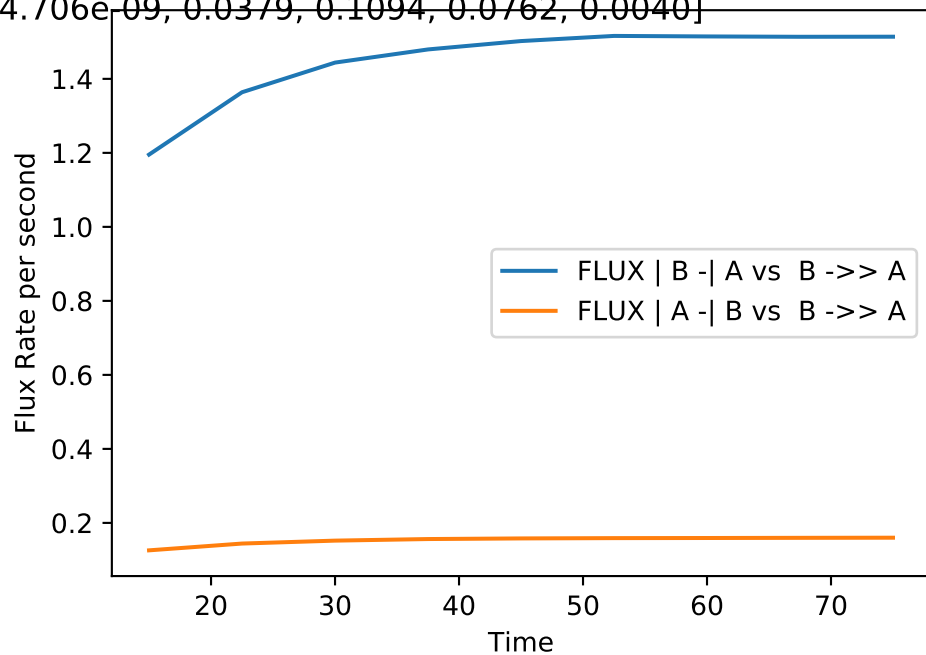
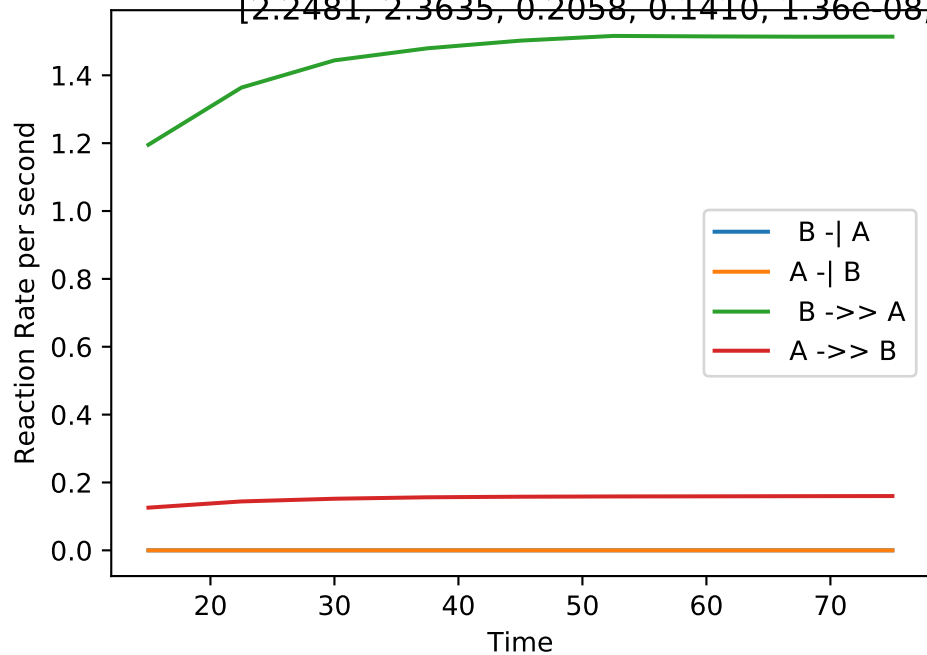
No_up | MB-LLS No_up(#61):

[2.3608, 2.3084, 0.1415, 0.2564, 3.459e-08, 1.575e-09, 0.0000, 0.0802, 0.1405, 0.0551]



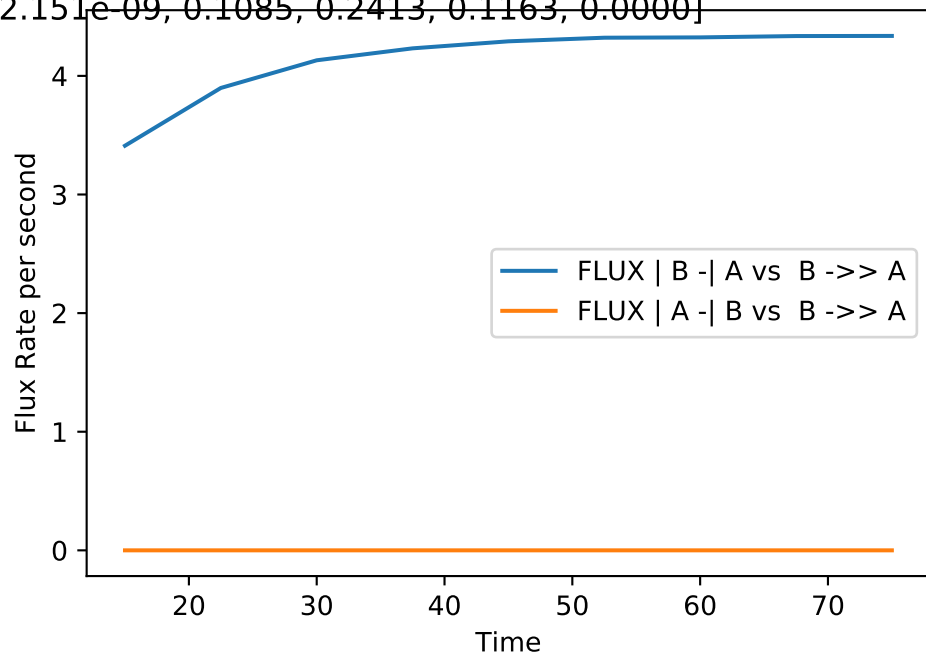
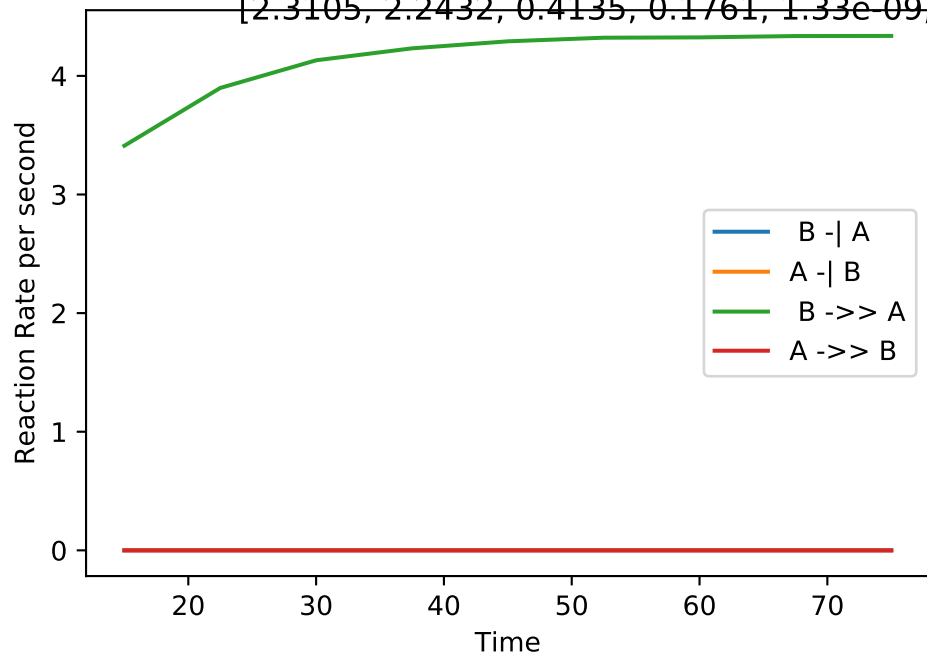
No_up | MB-LLS No_up(#62):

[2.2481, 2.3635, 0.2058, 0.1410, 1.36e-08, 4.706e-09, 0.0379, 0.1094, 0.0762, 0.0040]



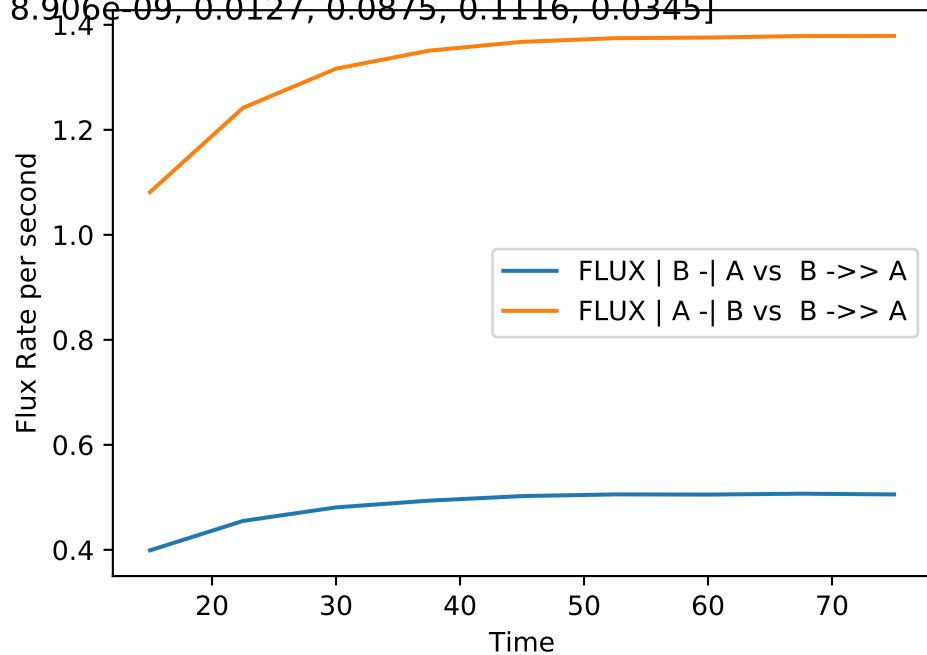
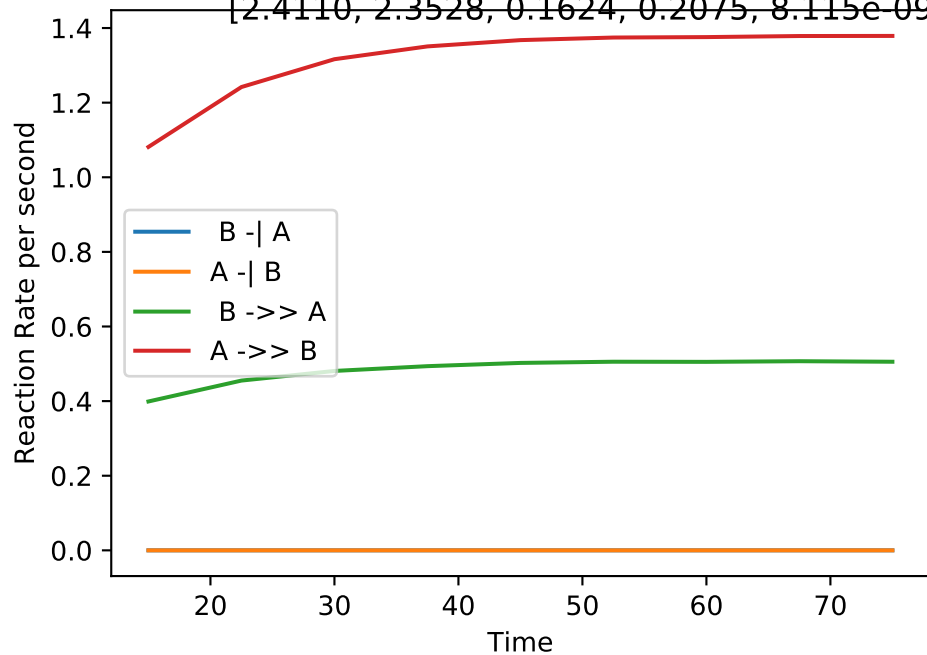
No_up | MB-LLS No_up(#63):

[2.3105, 2.2432, 0.4135, 0.1761, 1.33e-09, 2.151e-09, 0.1085, 0.2413, 0.1163, 0.0000]



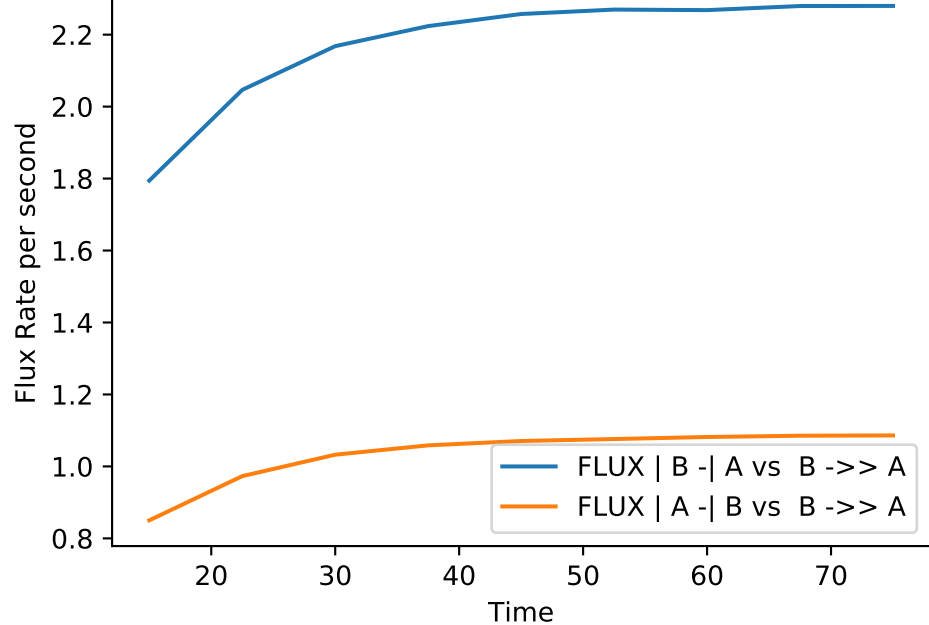
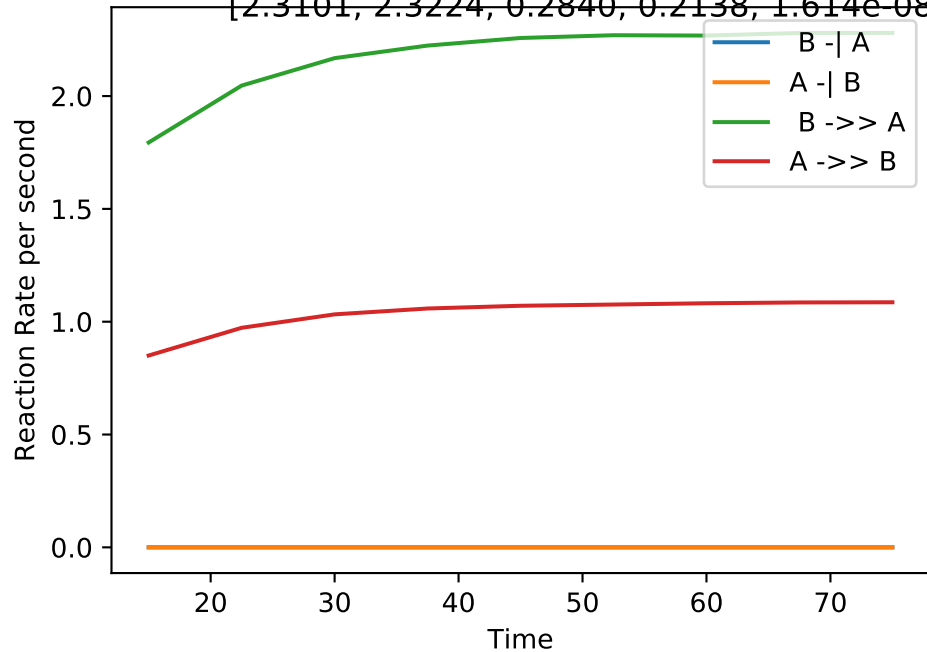
No_up | MB-LLS No_up(#64):

[2.4110, 2.3528, 0.1624, 0.2075, 8.115e-09, 8.906e-09, 0.0127, 0.0875, 0.1116, 0.0345]



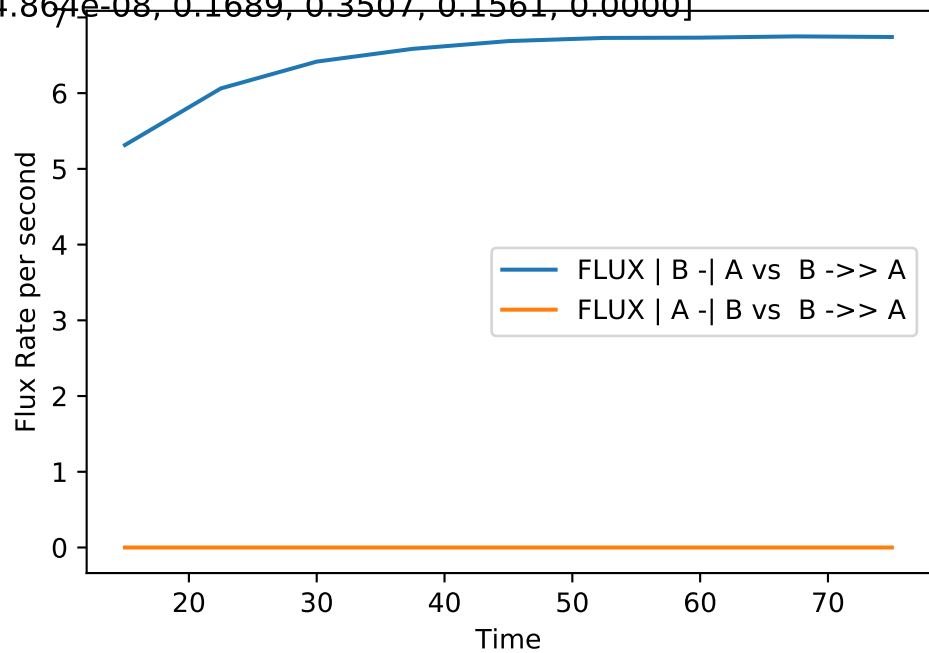
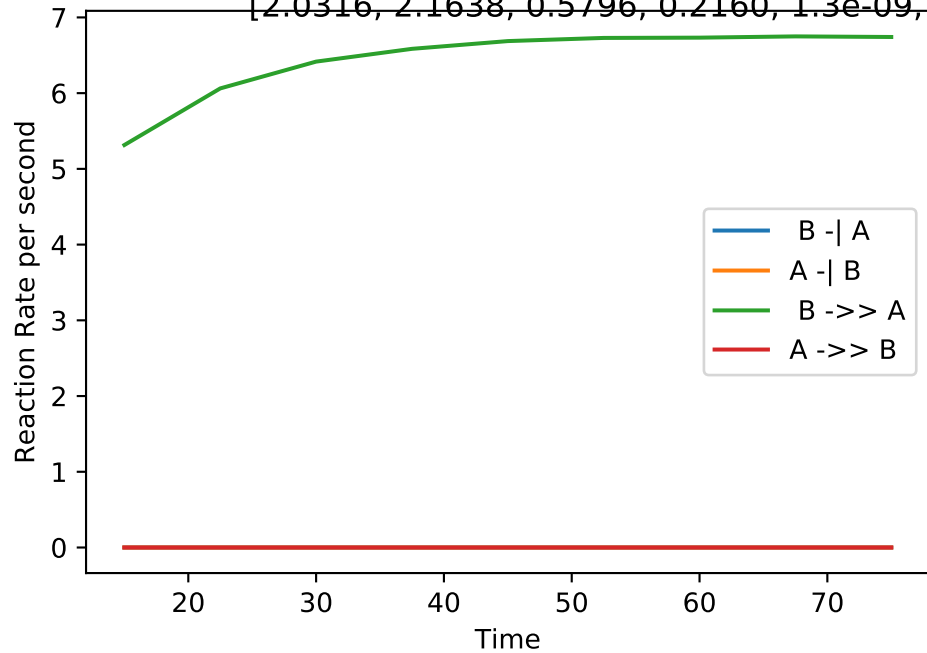
No_up | MB-LLS No_up(#65):

[2.3101, 2.3224, 0.2840, 0.2138, 1.614e-08, 7.541e-09, 0.0571, 0.1649, 0.1251, 0.0272]



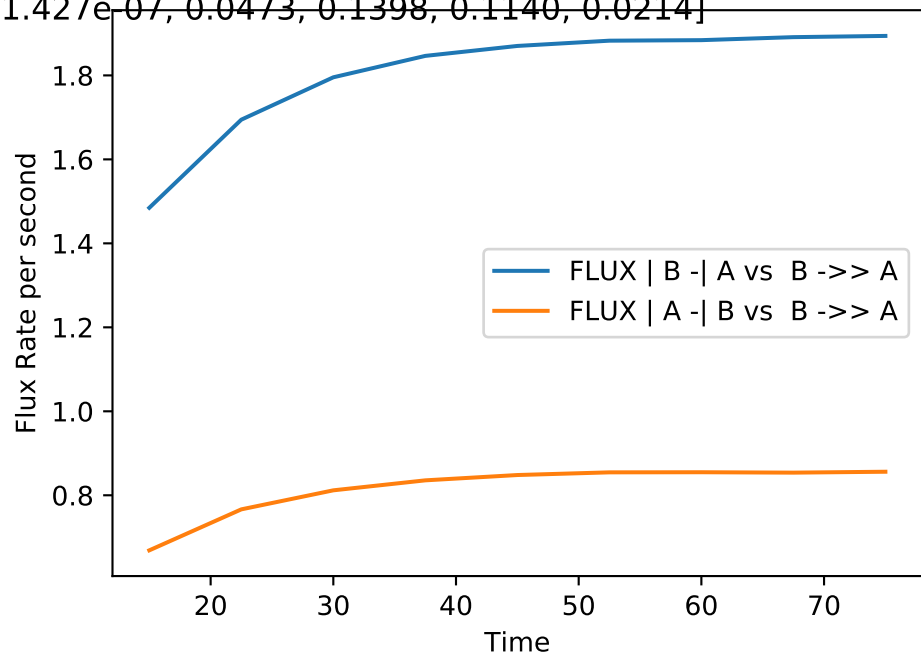
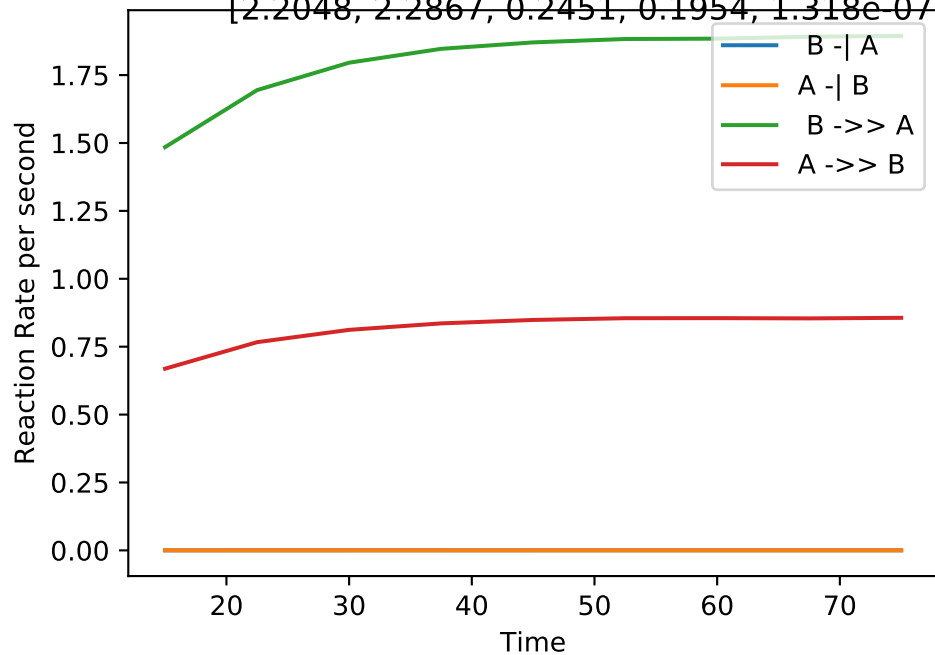
No_up | MB-LLS No_up(#66):

[2.0316, 2.1638, 0.5796, 0.2160, 1.3e-09, 4.864e-08, 0.1689, 0.3507, 0.1561, 0.0000]



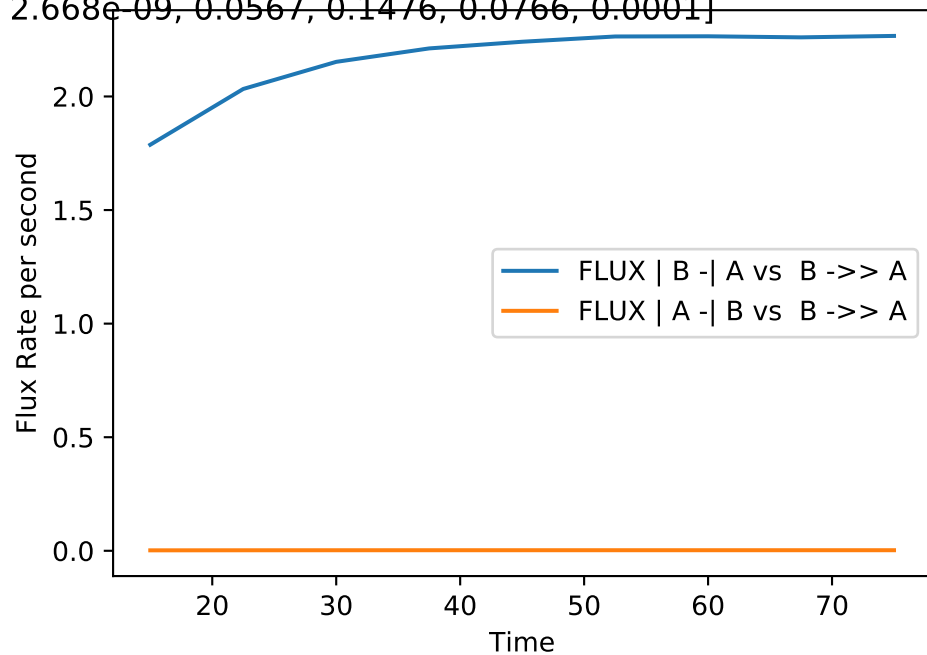
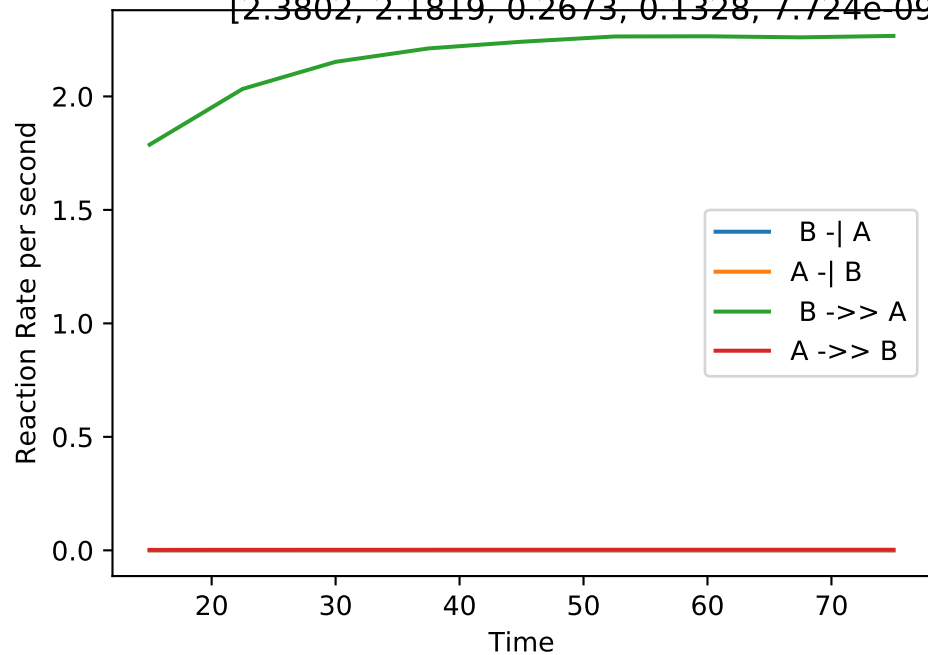
No_up | MB-LLS No_up(#67):

[2.2048, 2.2867, 0.2451, 0.1954, 1.318e-07, 1.427e-07, 0.0473, 0.1398, 0.1140, 0.0214]



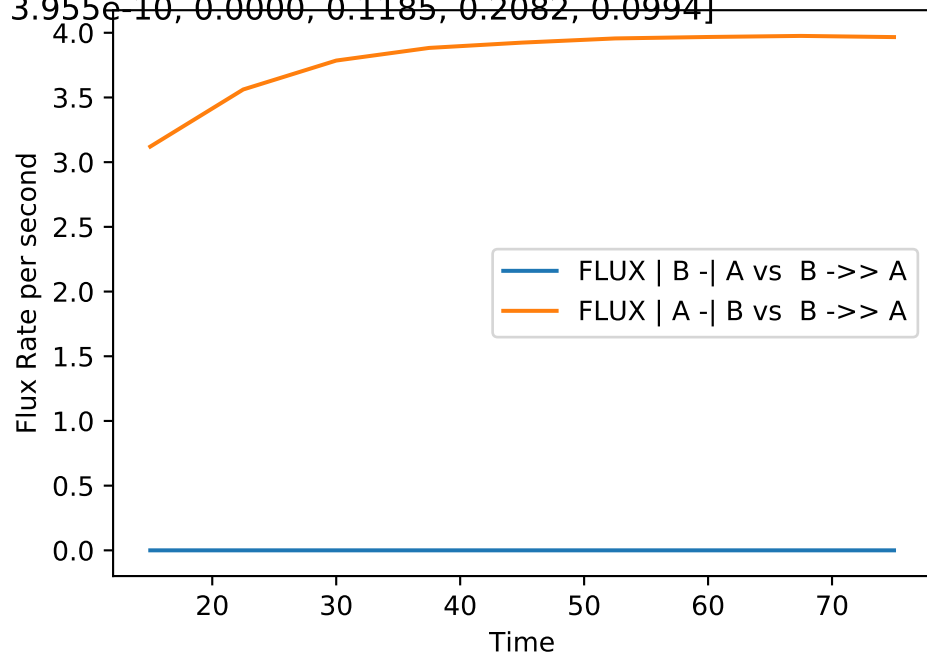
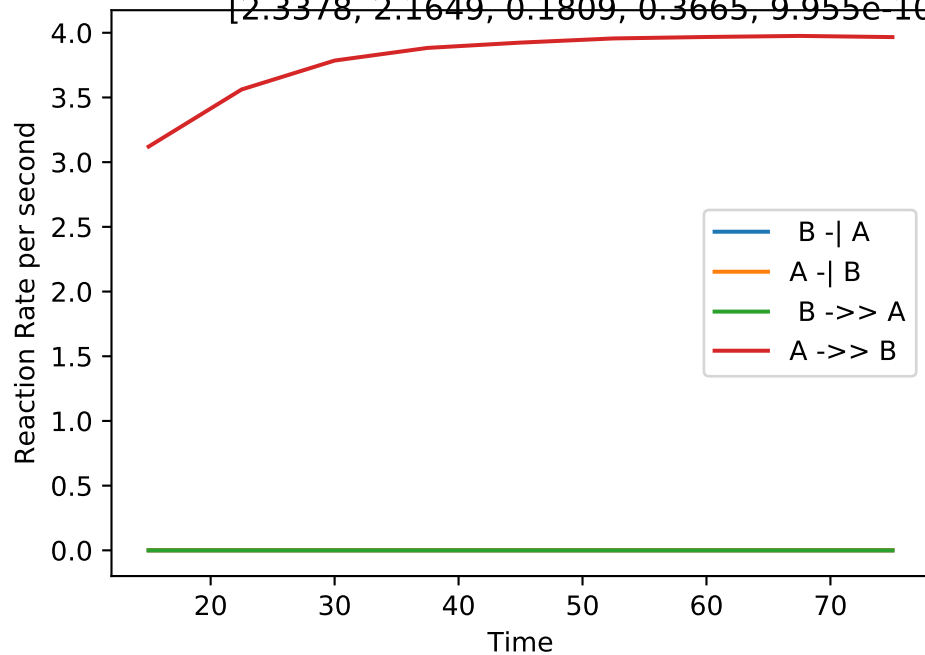
No_up | MB-LLS No_up(#68):

[2.3802, 2.1819, 0.2673, 0.1328, 7.724e-09, 2.668e-09, 0.0567, 0.1476, 0.0766, 0.0001]



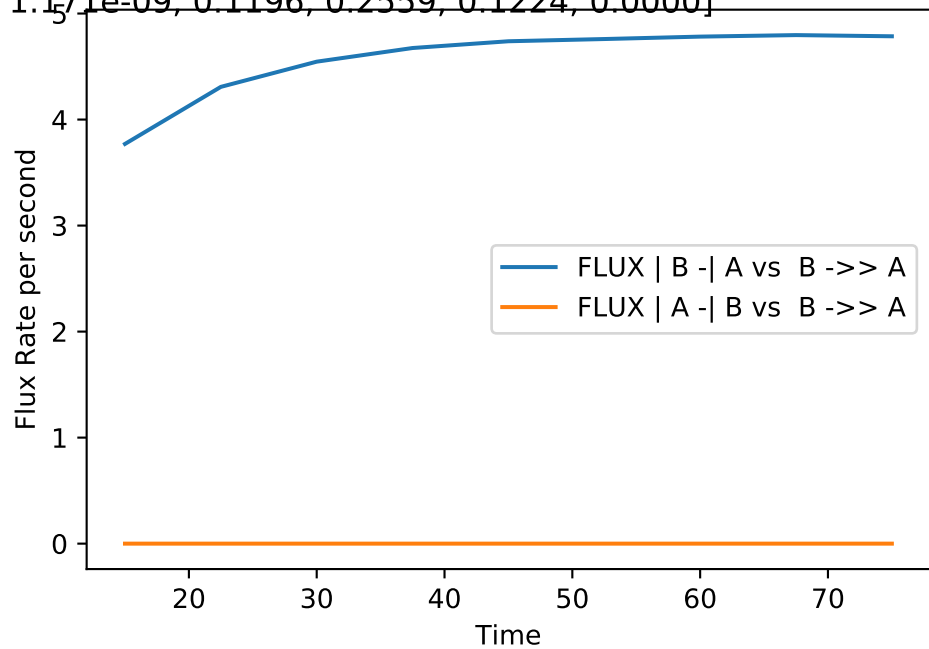
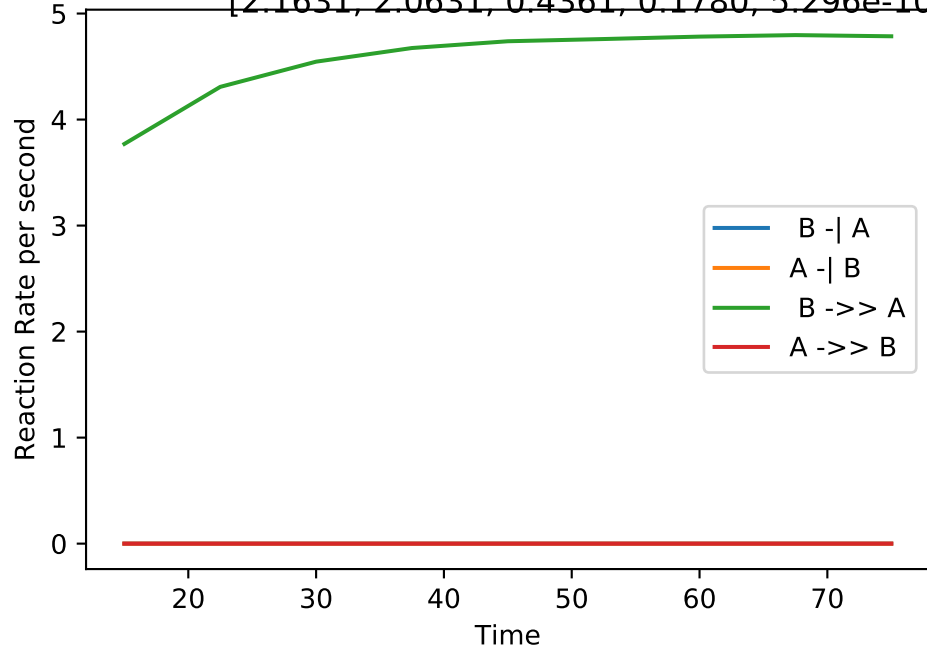
No_up | MB-LLS No_up(#69):

[2.3378, 2.1649, 0.1809, 0.3665, 9.955e-10, 3.955e-10, 0.0000, 0.1185, 0.2082, 0.0994]



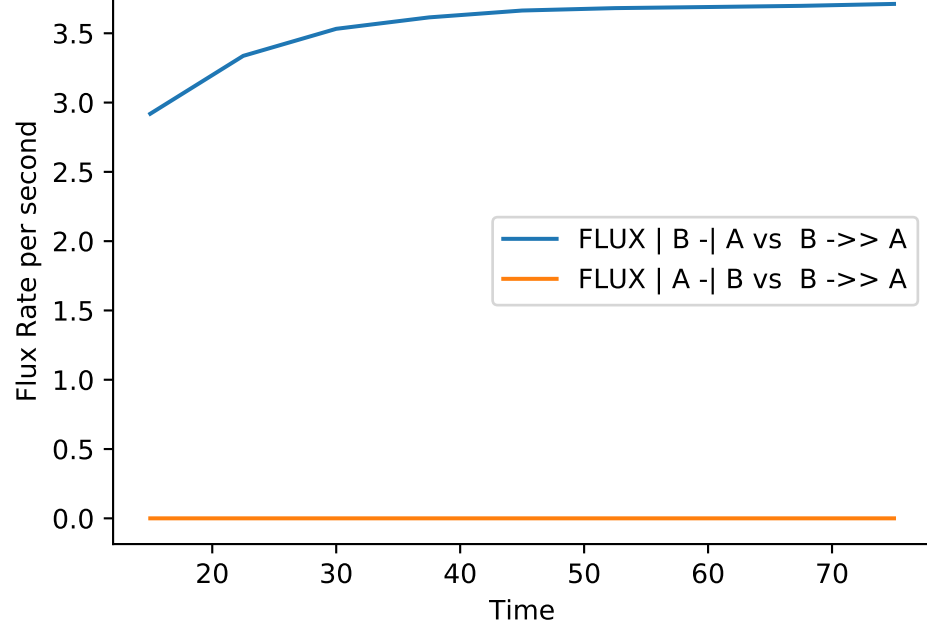
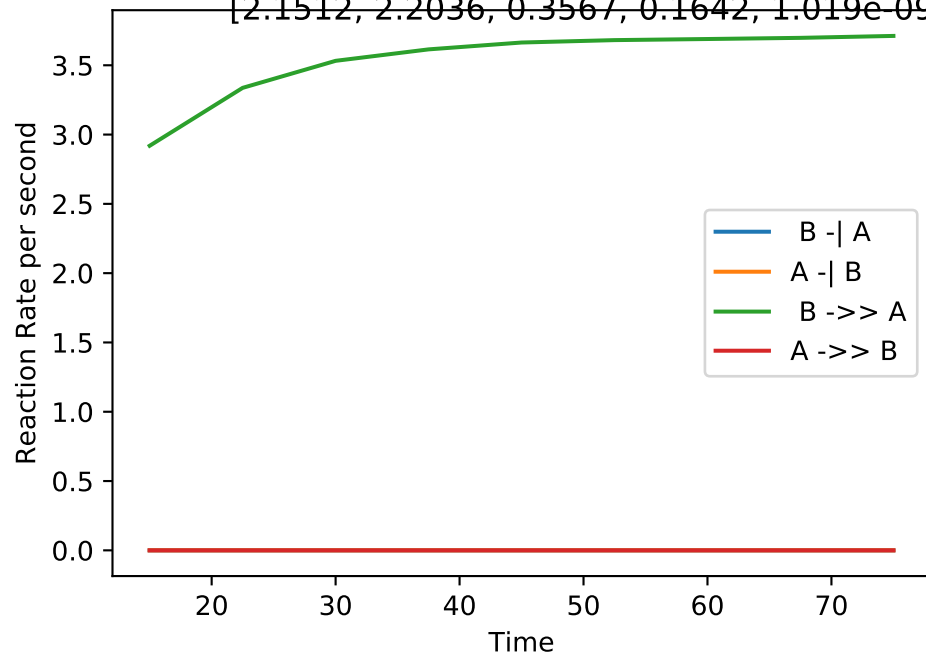
No_up | MB-LLS No_up(#70):

[2.1631, 2.0631, 0.4361, 0.1780, 5.296e-10, 1.171e-09, 0.1196, 0.2559, 0.1224, 0.0000]



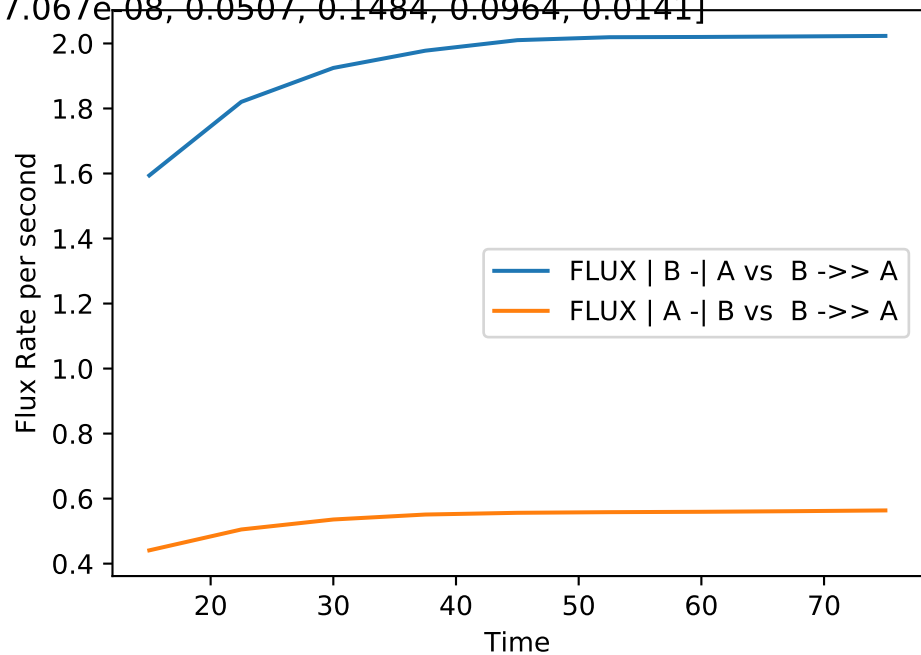
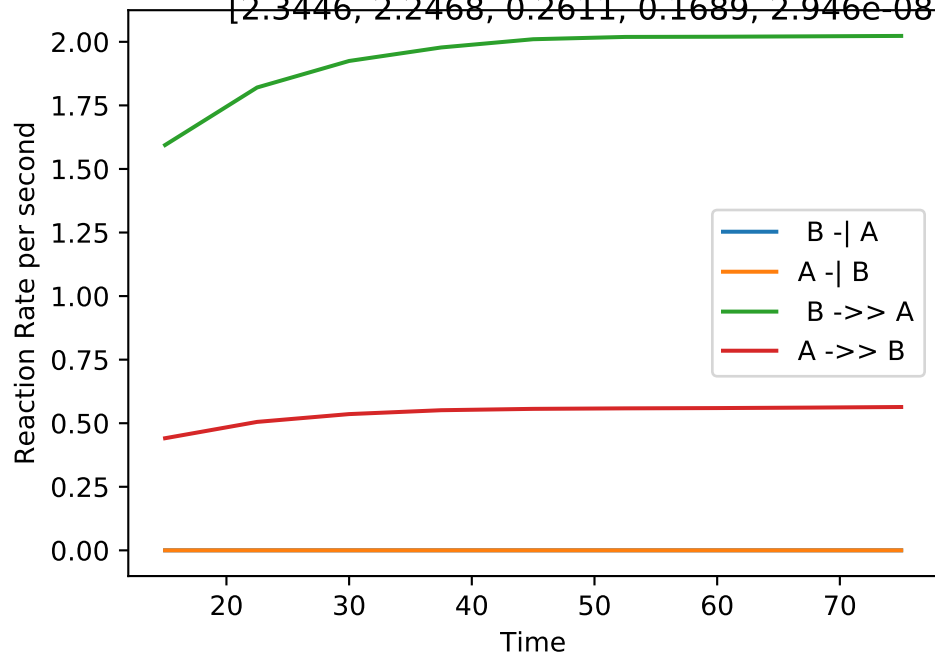
No_up | MB-LLS No_up(#71):

[2.1512, 2.2036, 0.3567, 0.1642, 1.019e-09, 1.757e-10, 0.0926, 0.2055, 0.1060, 0.0000]



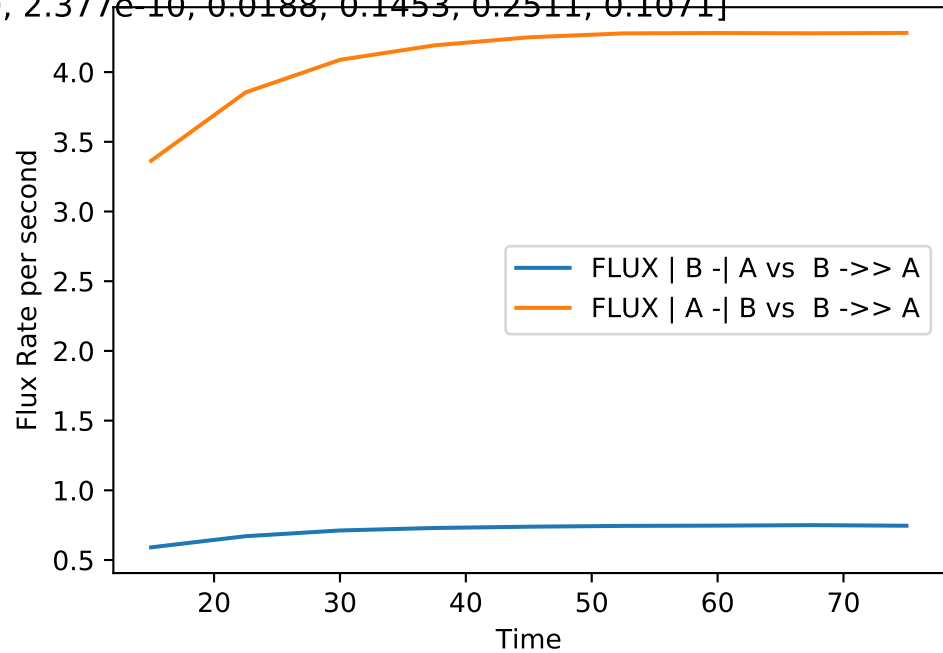
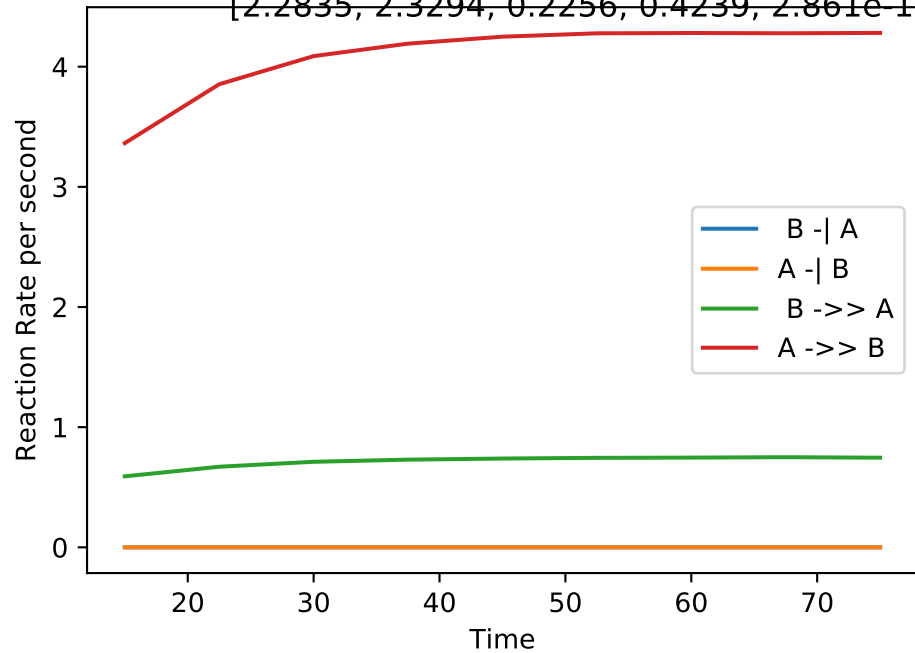
No_up | MB-LLS No_up(#72):

[2.3446, 2.2468, 0.2611, 0.1689, 2.946e-08, 7.067e-08, 0.0507, 0.1484, 0.0964, 0.0141]



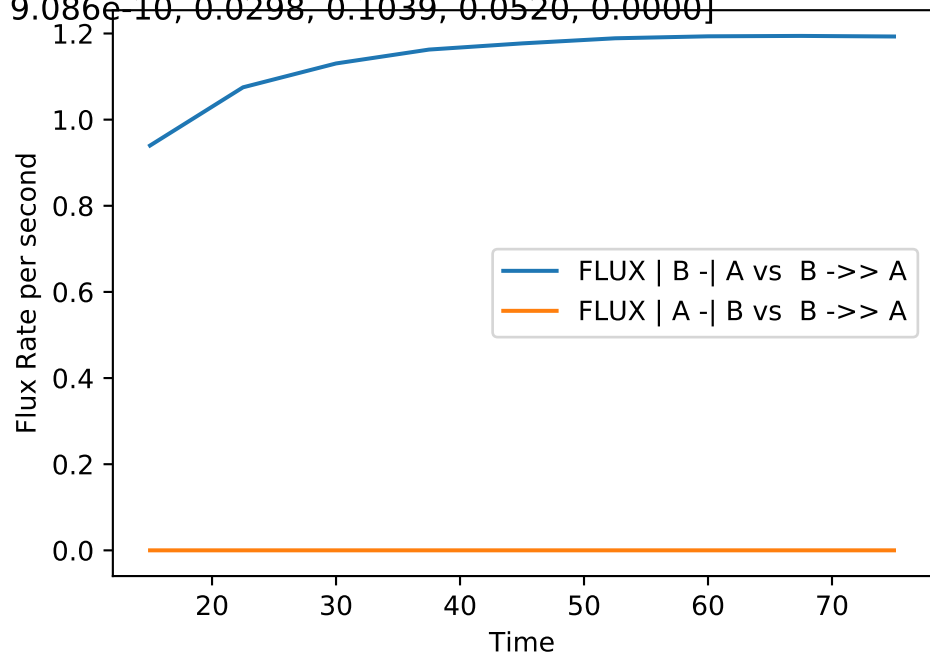
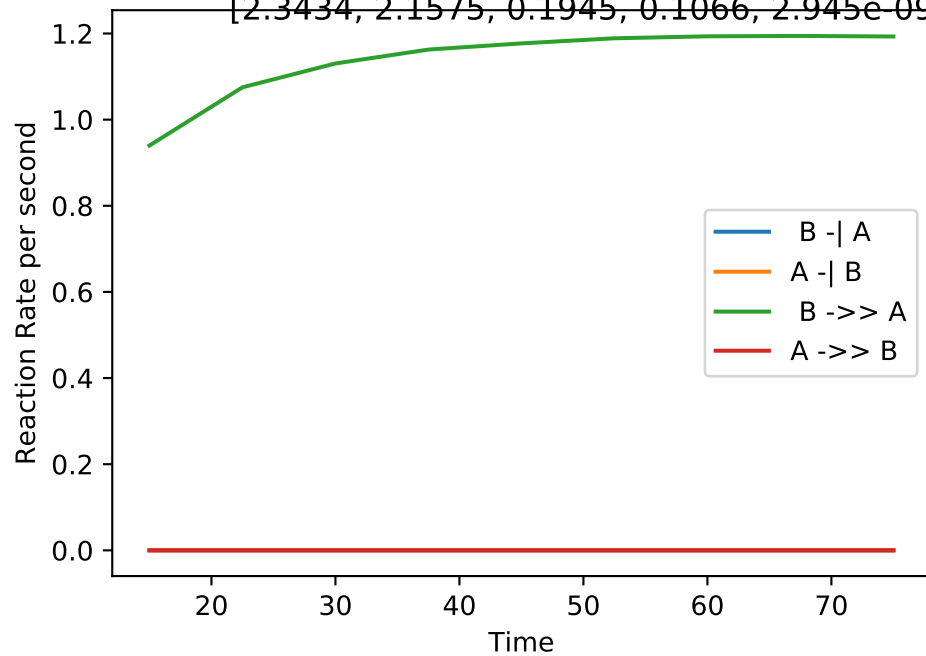
No_up | MB-LLS No_up(#73):

[2.2835, 2.3294, 0.2256, 0.4239, 2.861e-10, 2.377e-10, 0.0188, 0.1453, 0.2511, 0.1071]



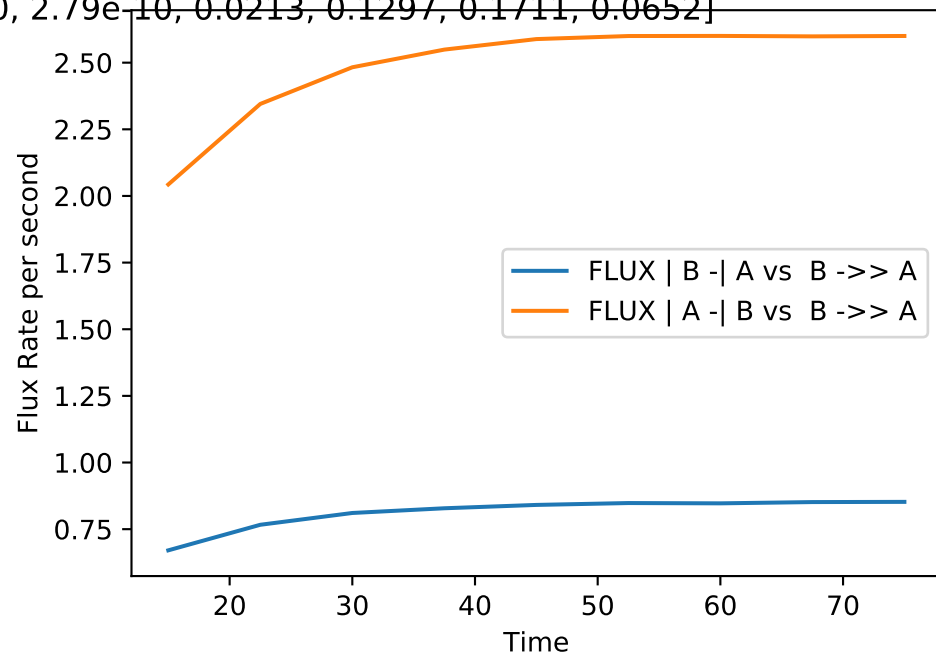
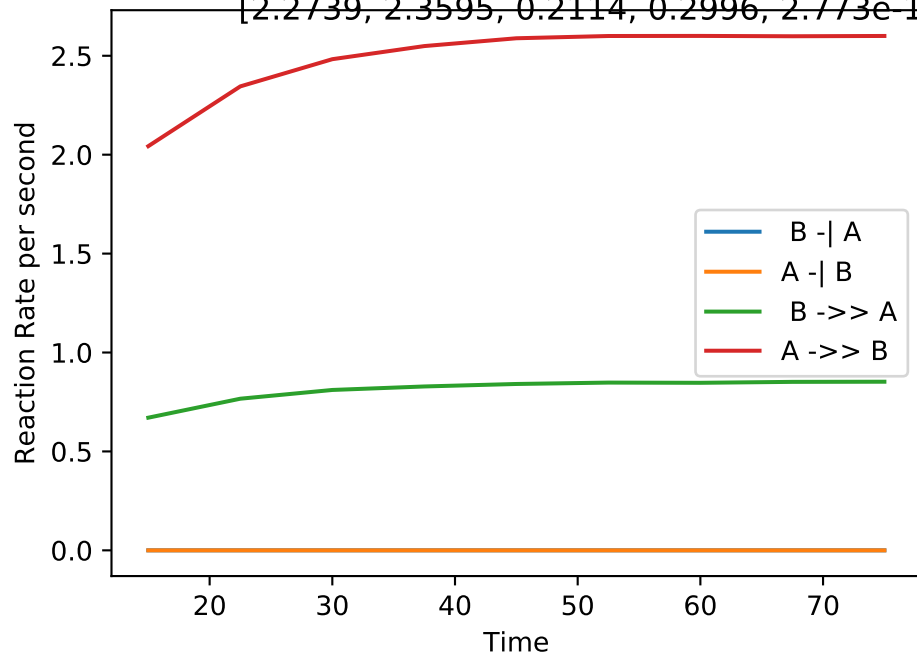
No_up | MB-LLS No_up(#74):

[2.3434, 2.1575, 0.1945, 0.1066, 2.945e-09, 9.086e-10, 0.0298, 0.1039, 0.0520, 0.0000]



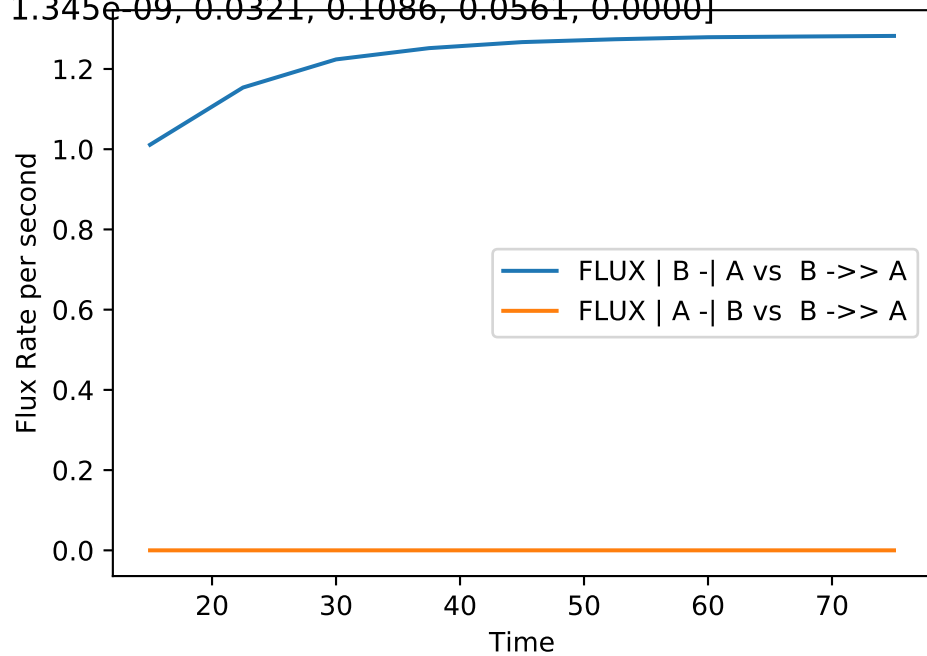
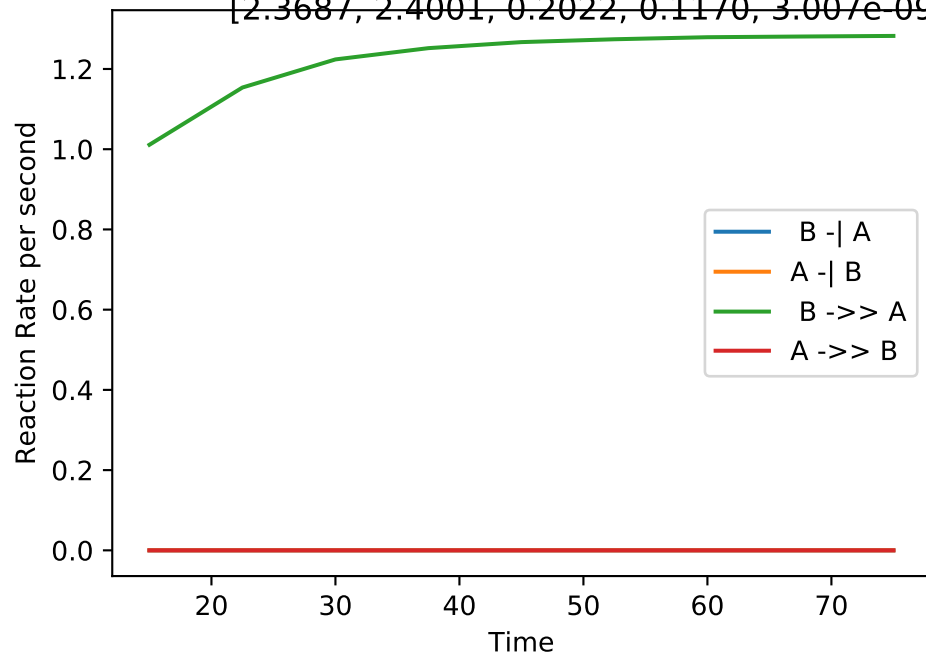
No_up | MB-LLS No_up(#75):

[2.2739, 2.3595, 0.2114, 0.2996, 2.773e-10, 2.79e-10, 0.0213, 0.1297, 0.1711, 0.0652]



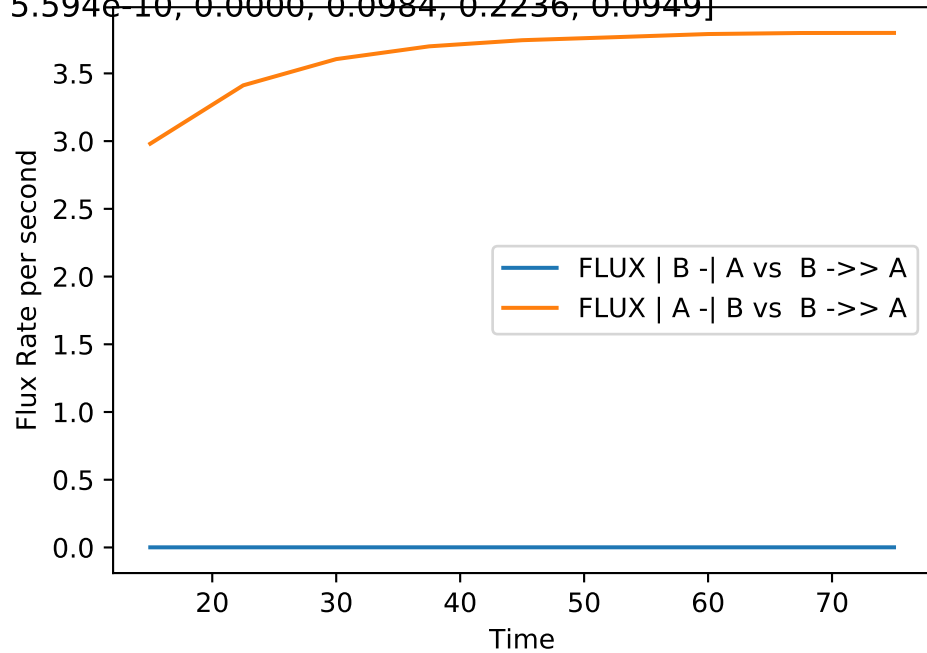
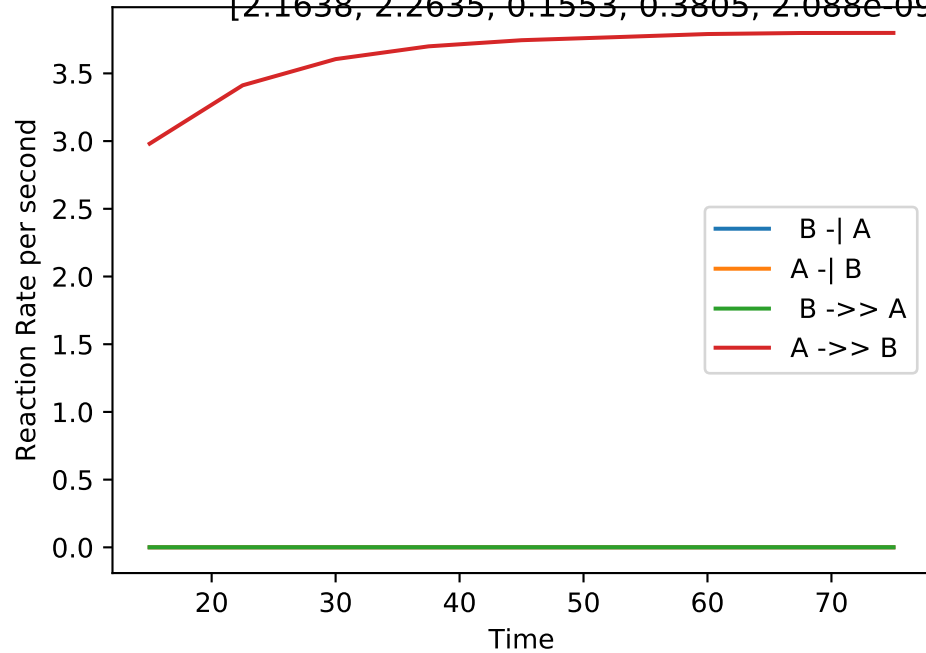
No_up | MB-LLS No_up(#76):

[2.3687, 2.4001, 0.2022, 0.1170, 3.007e-09, 1.345e-09, 0.0321, 0.1086, 0.0561, 0.0000]



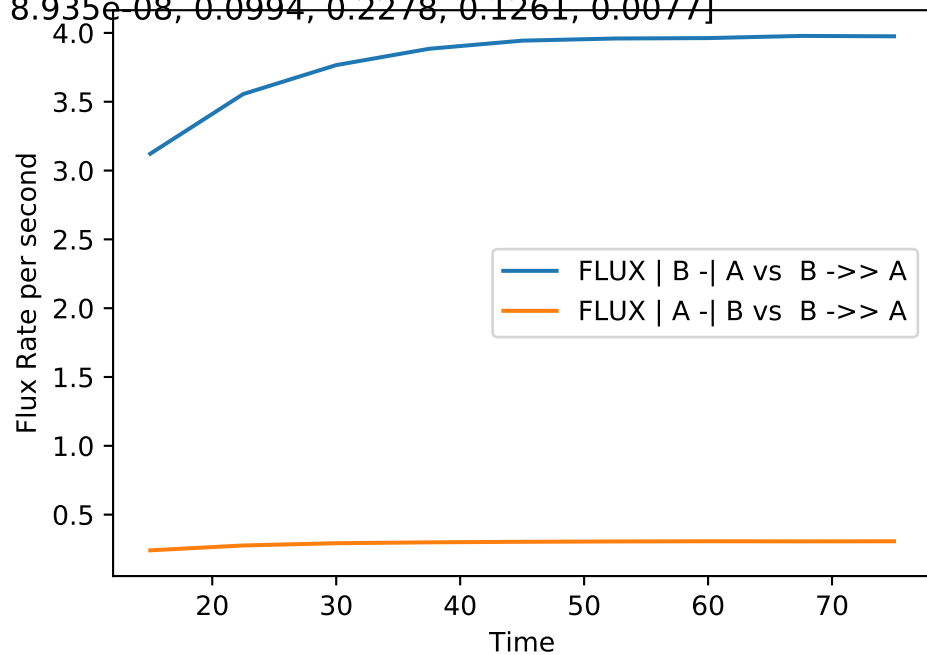
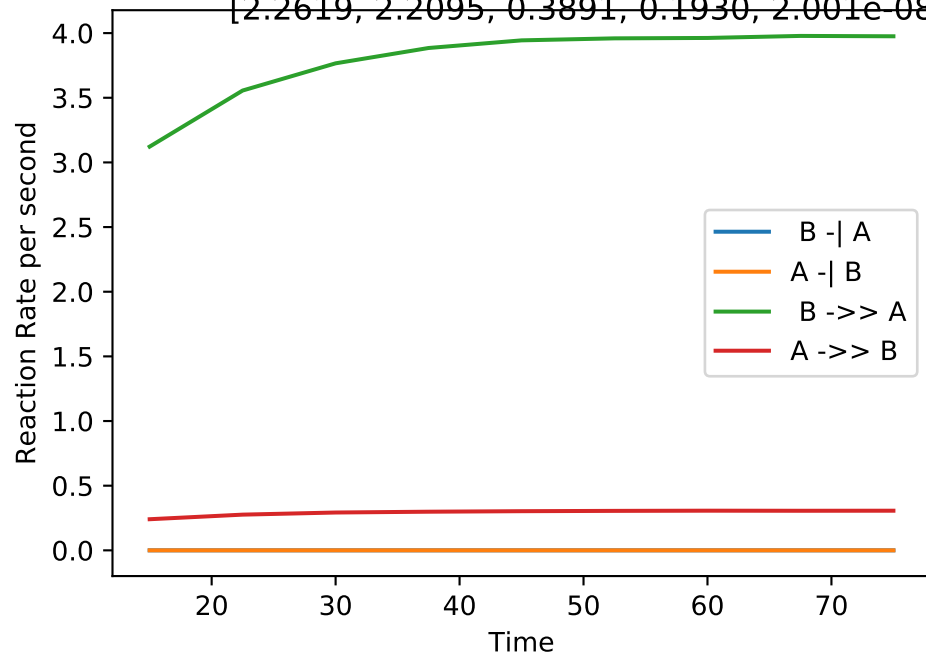
No_up | MB-LLS No_up(#77):

[2.1638, 2.2635, 0.1553, 0.3805, 2.088e-09, 5.594e-10, 0.0000, 0.0984, 0.2236, 0.0949]



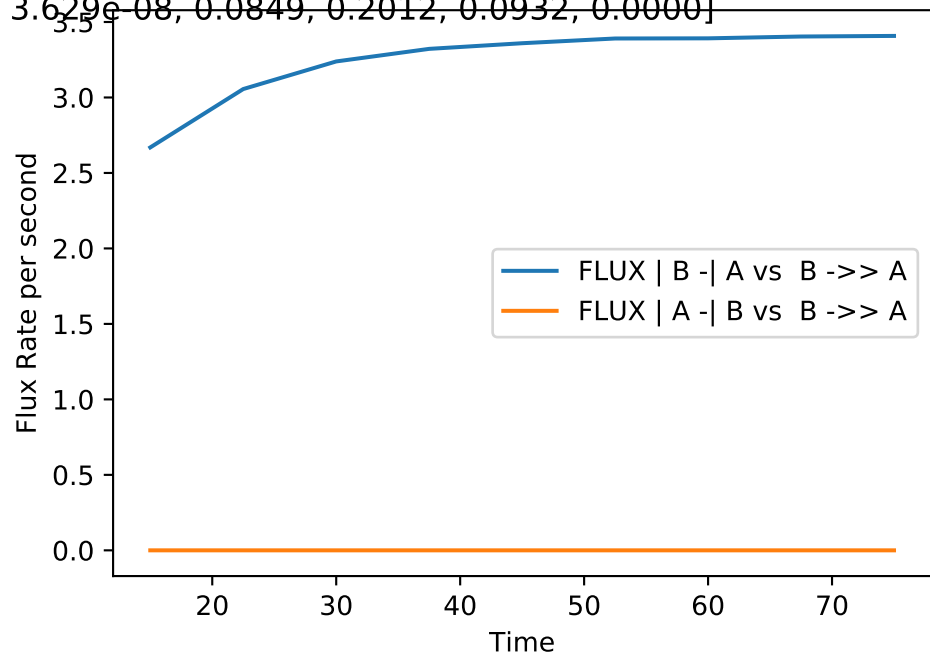
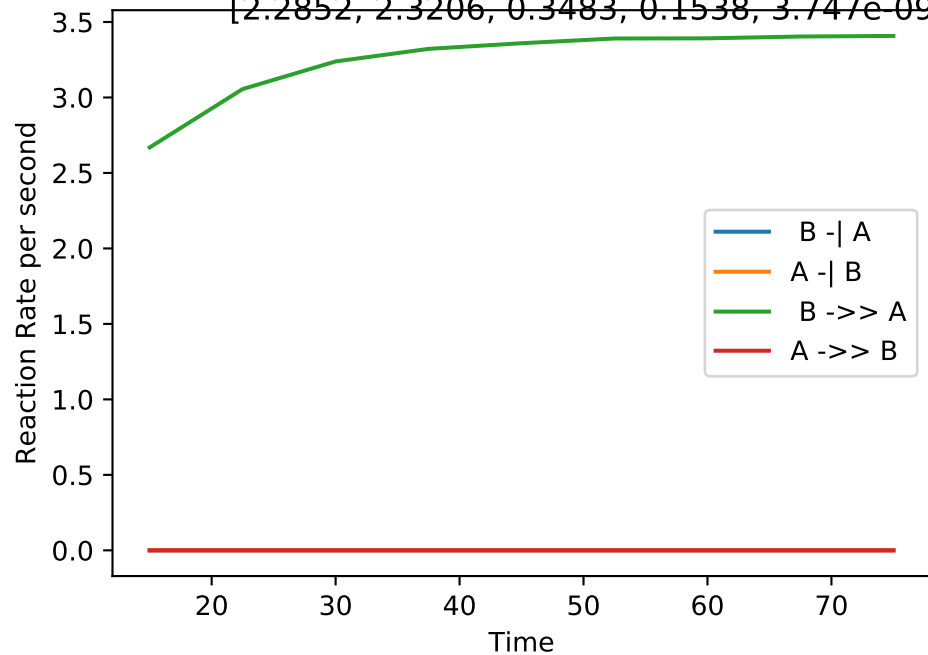
No_up | MB-LLS No_up(#78):

[2.2619, 2.2095, 0.3891, 0.1930, 2.001e-08, 8.935e-08, 0.0994, 0.2278, 0.1261, 0.0077]



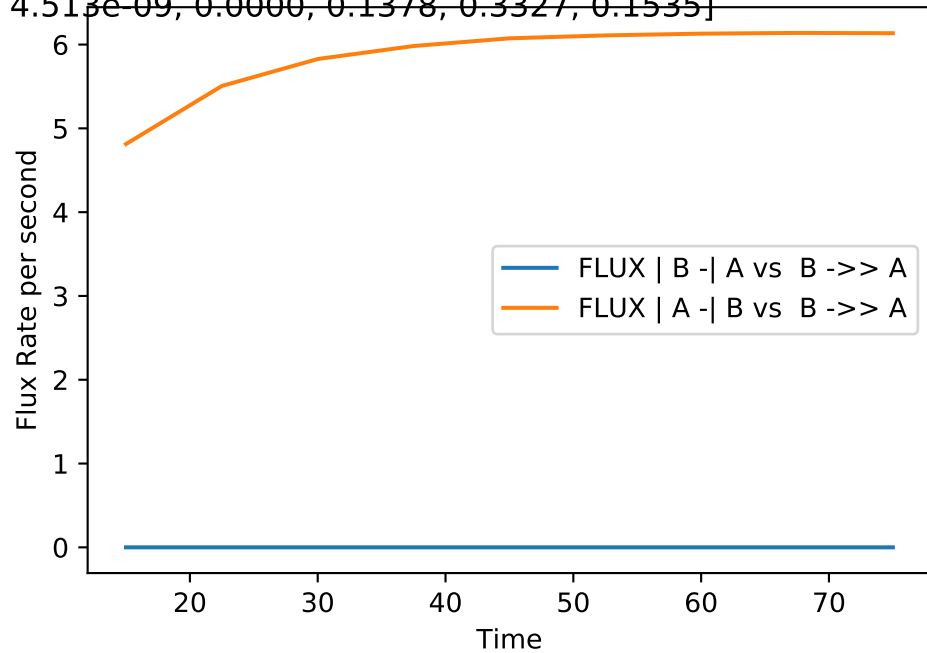
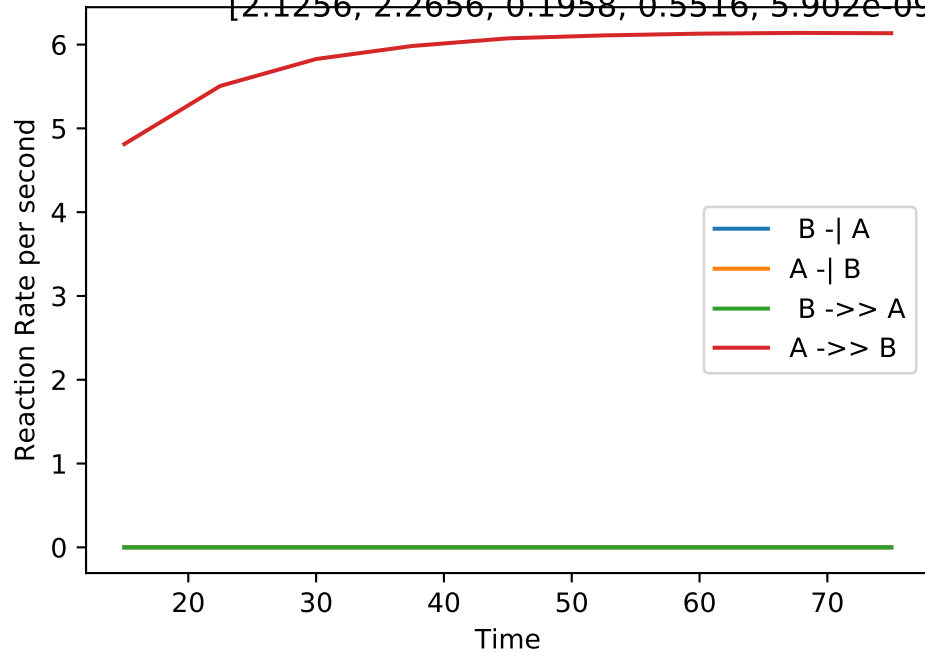
No_up | MB-LLS No_up(#79):

[2.2852, 2.3206, 0.3483, 0.1538, 3.747e-09, 3.629e-08, 0.0849, 0.2012, 0.0932, 0.0000]



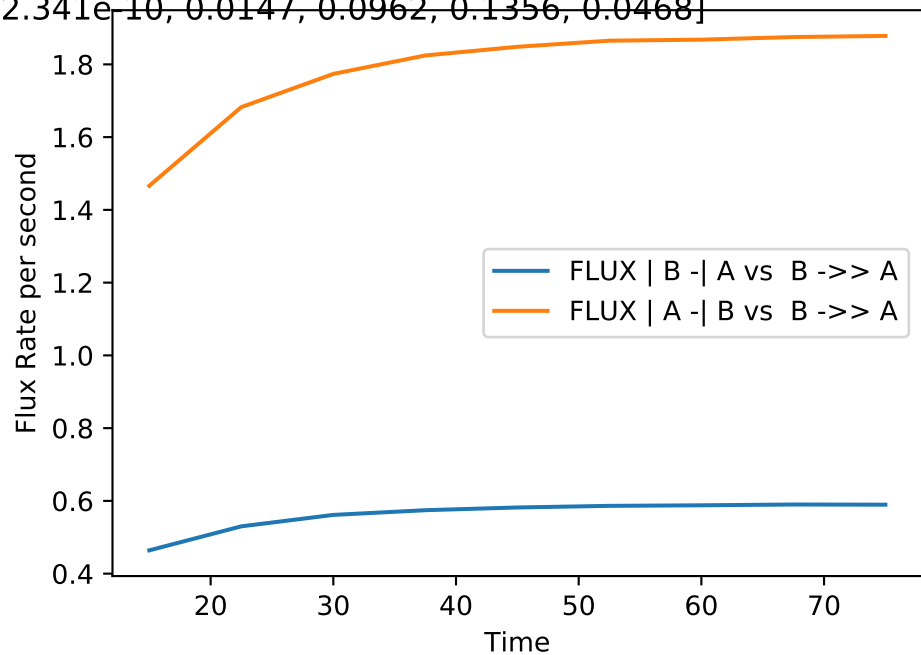
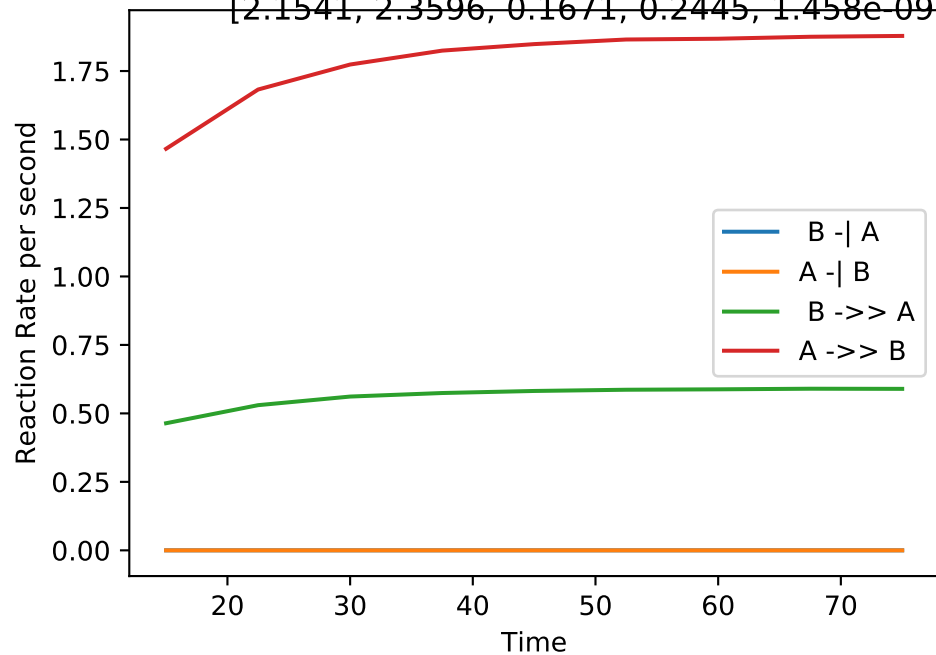
No_up | MB-LLS No_up(#80):

[2.1256, 2.2656, 0.1958, 0.5516, 5.902e-09, 4.513e-09, 0.0000, 0.1378, 0.3327, 0.1535]



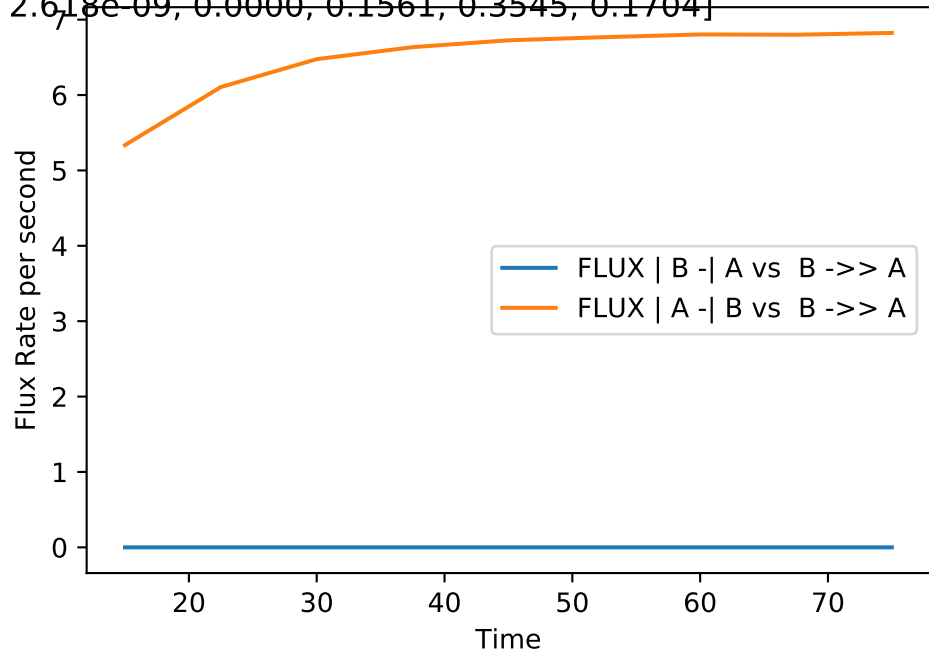
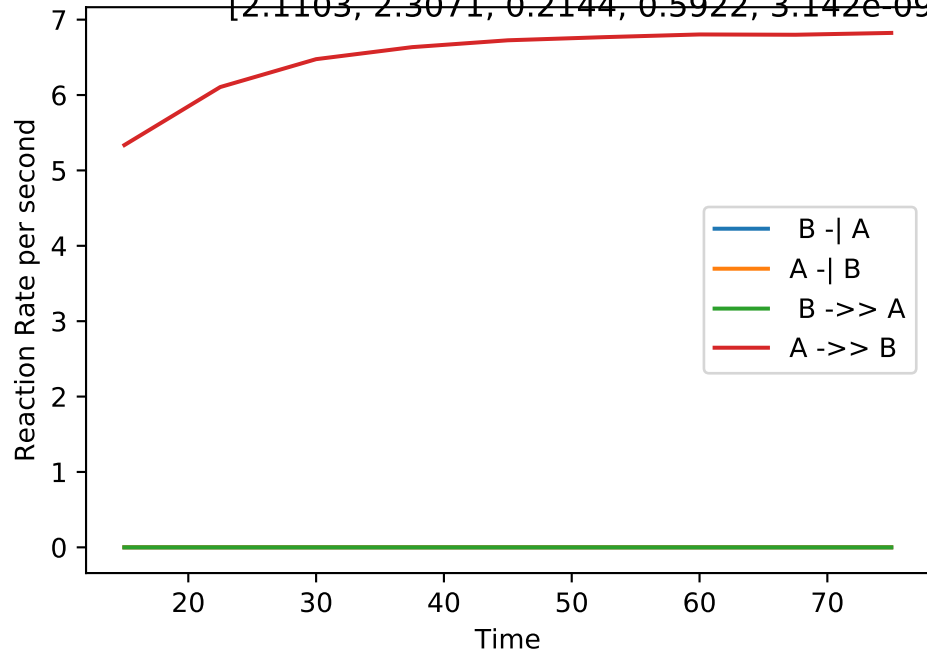
No_up | MB-LLS No_up(#81):

[2.1541, 2.3596, 0.1671, 0.2445, 1.458e-09, 2.341e-10, 0.0147, 0.0962, 0.1356, 0.0468]



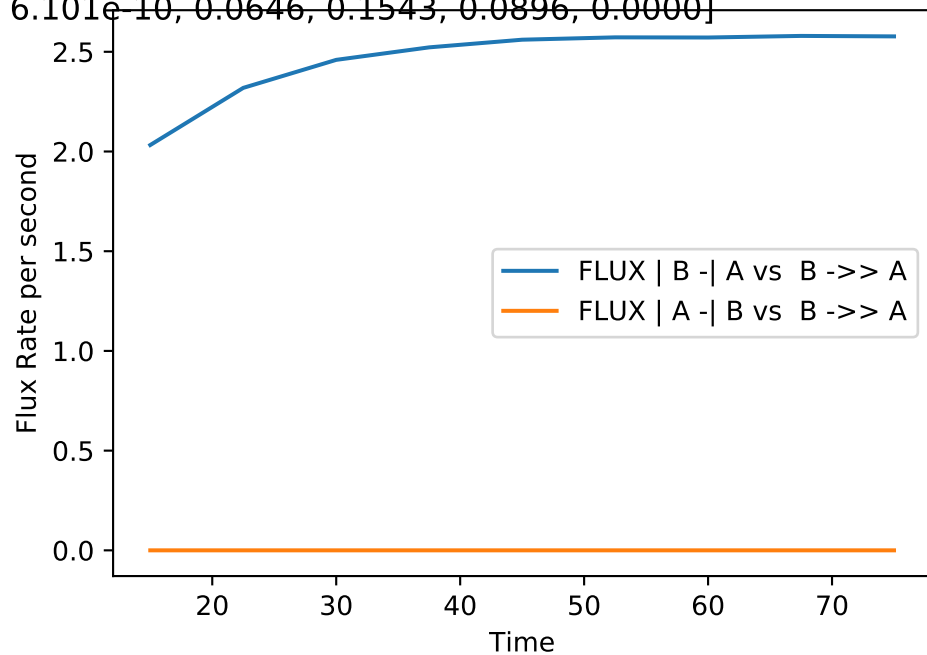
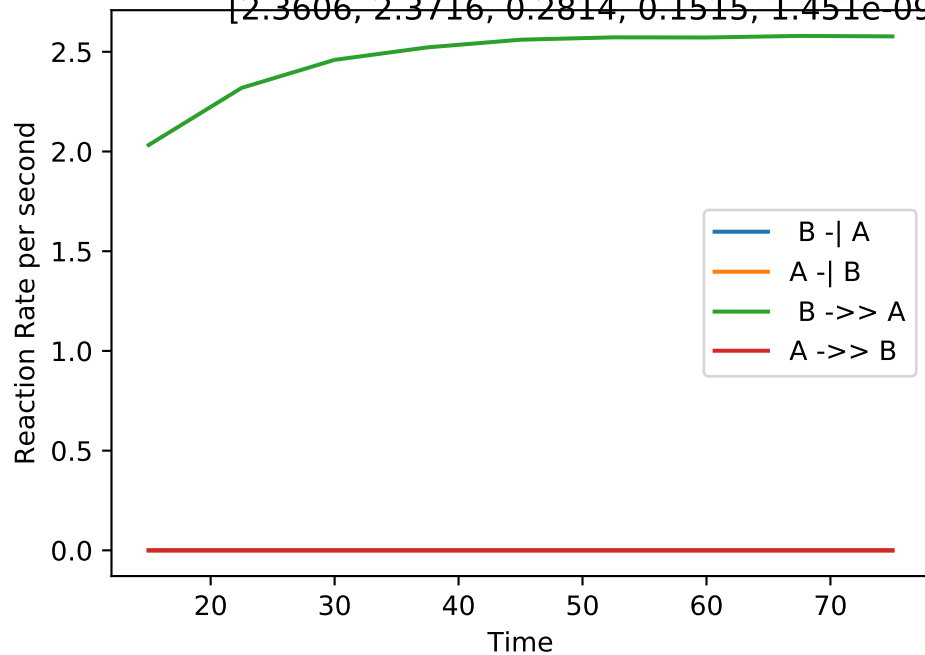
No_up | MB-LLS No_up(#82):

[2.1103, 2.3071, 0.2144, 0.5922, 3.142e-09, 2.618e-09, 0.0000, 0.1561, 0.3545, 0.1704]



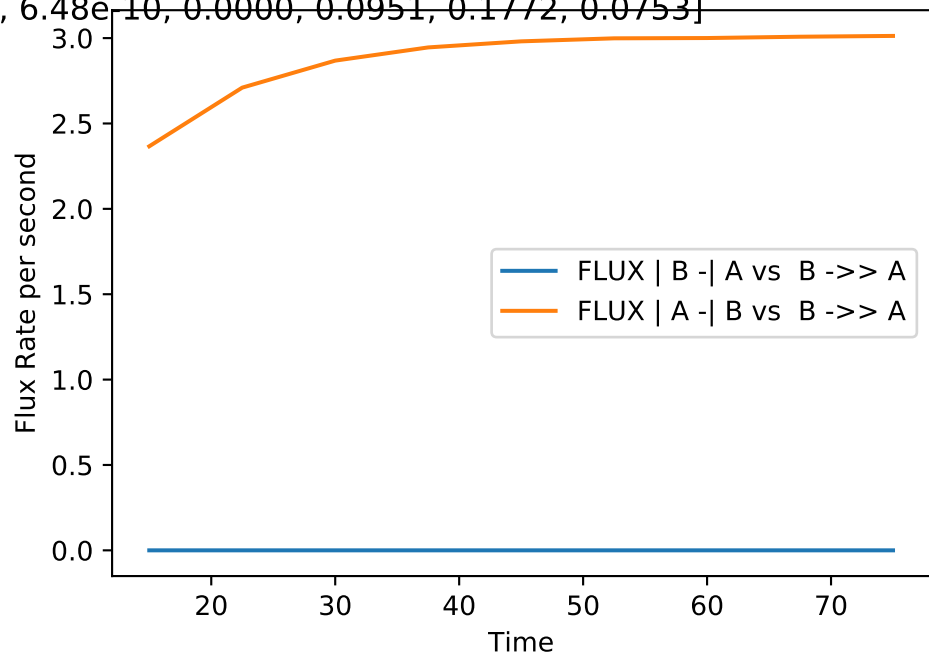
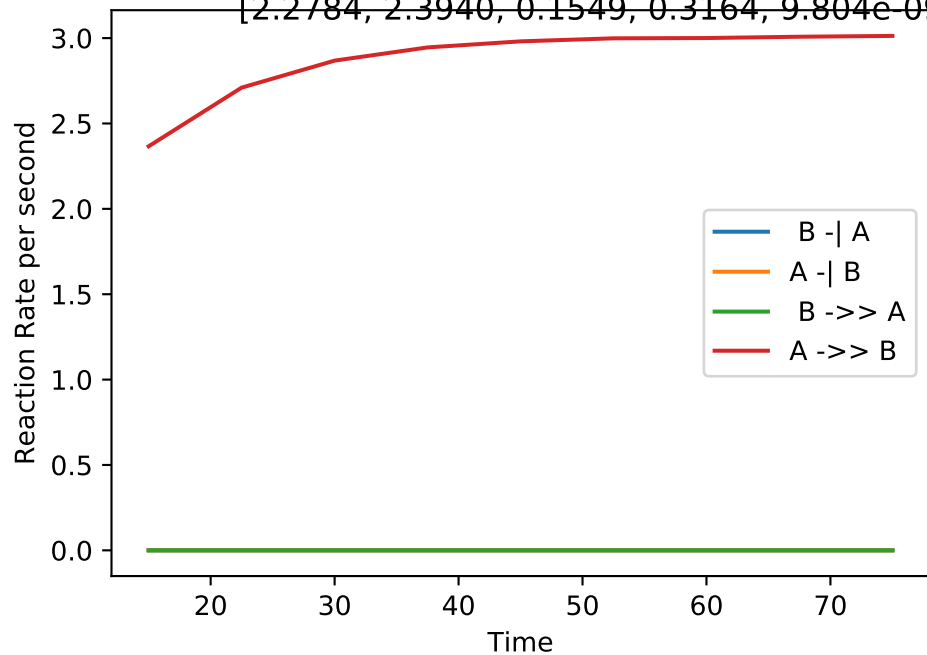
No_up | MB-LLS No_up(#83):

[2.3606, 2.3716, 0.2814, 0.1515, 1.451e-09, 6.101e-10, 0.0646, 0.1543, 0.0896, 0.0000]



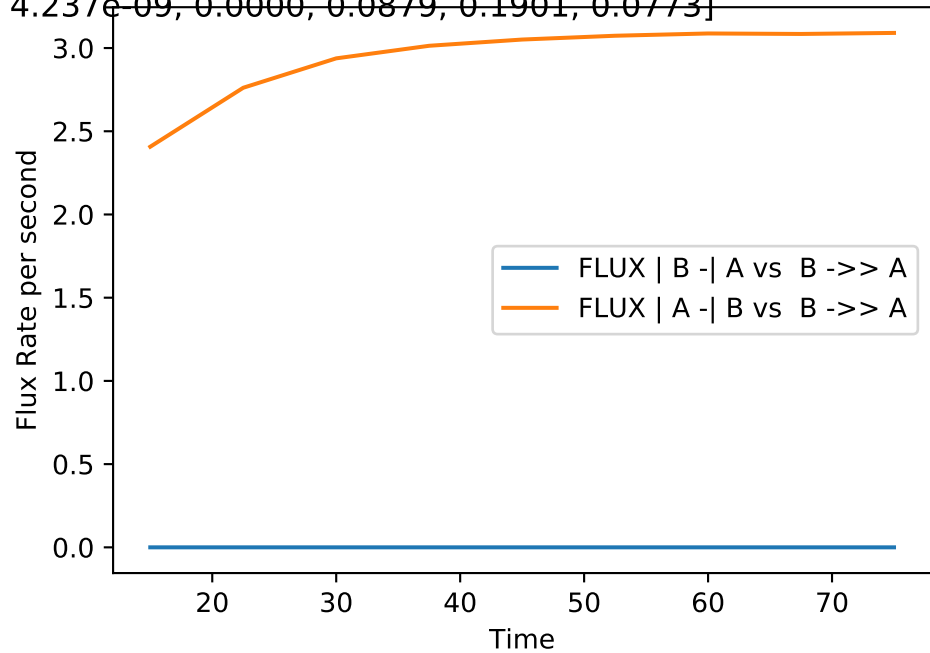
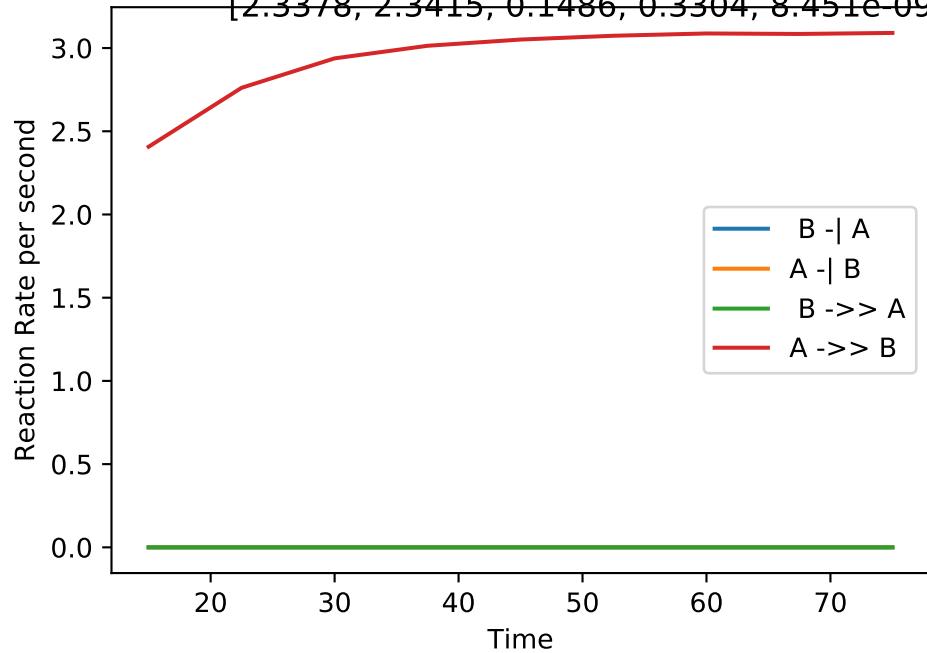
No_up | MB-LLS No_up(#84):

[2.2784, 2.3940, 0.1549, 0.3164, 9.804e-09, 6.48e-10, 0.0000, 0.0951, 0.1772, 0.0753]



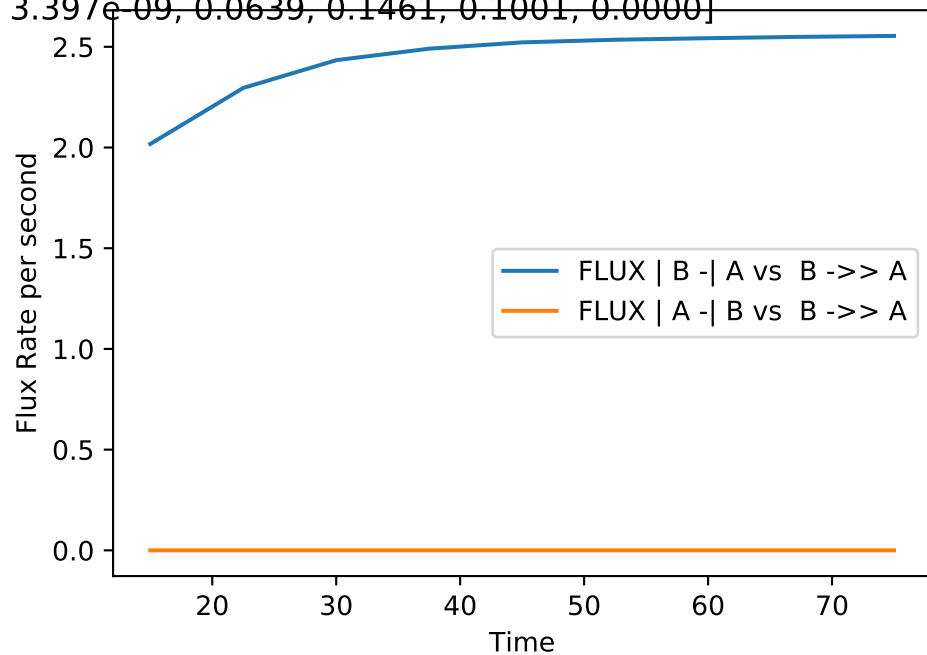
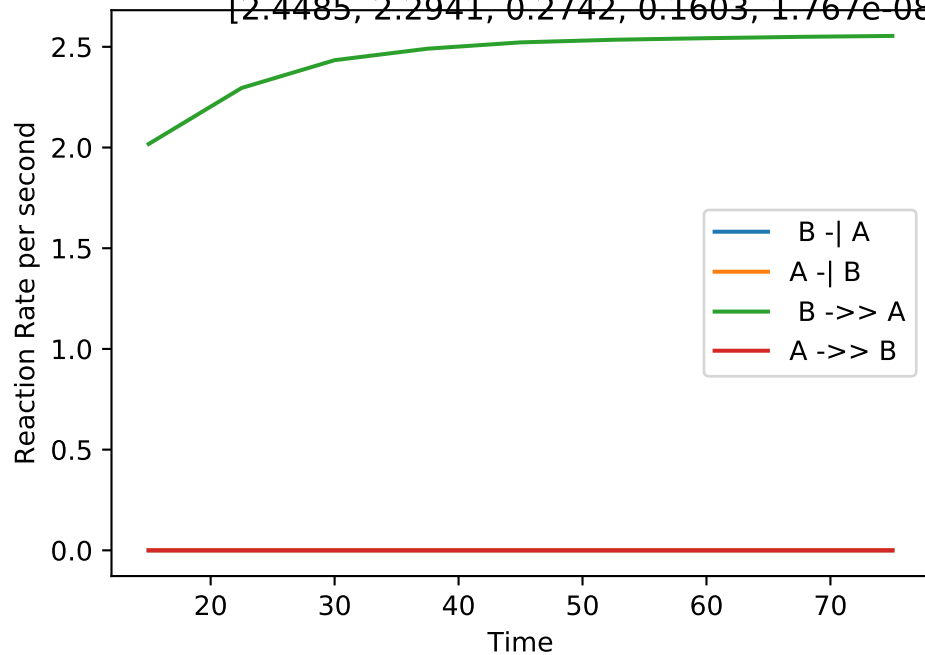
No_up | MB-LLS No_up(#85):

[2.3378, 2.3415, 0.1486, 0.3304, 8.451e-09, 4.237e-09, 0.0000, 0.0879, 0.1901, 0.0773]



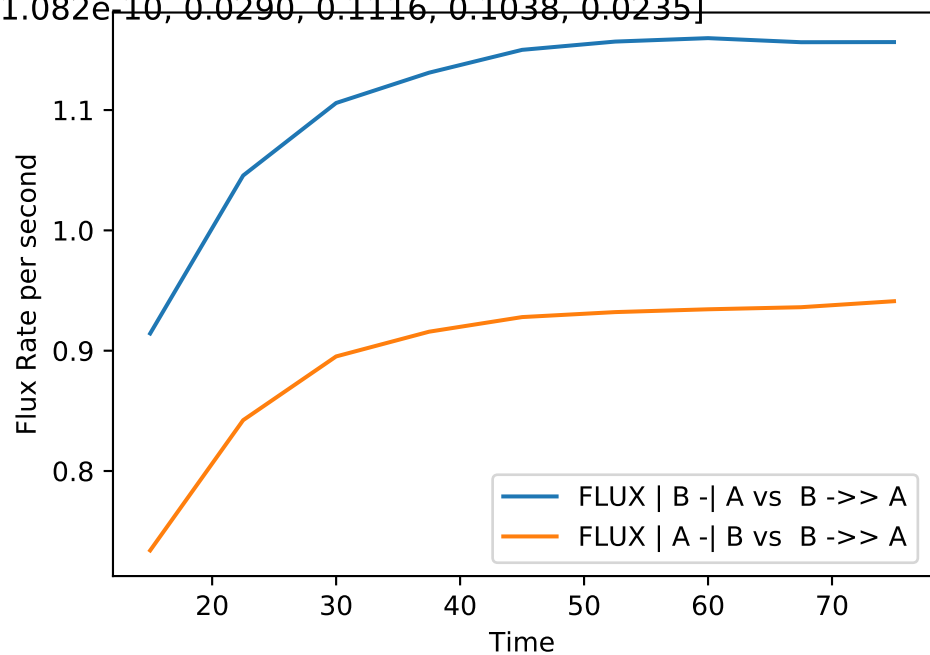
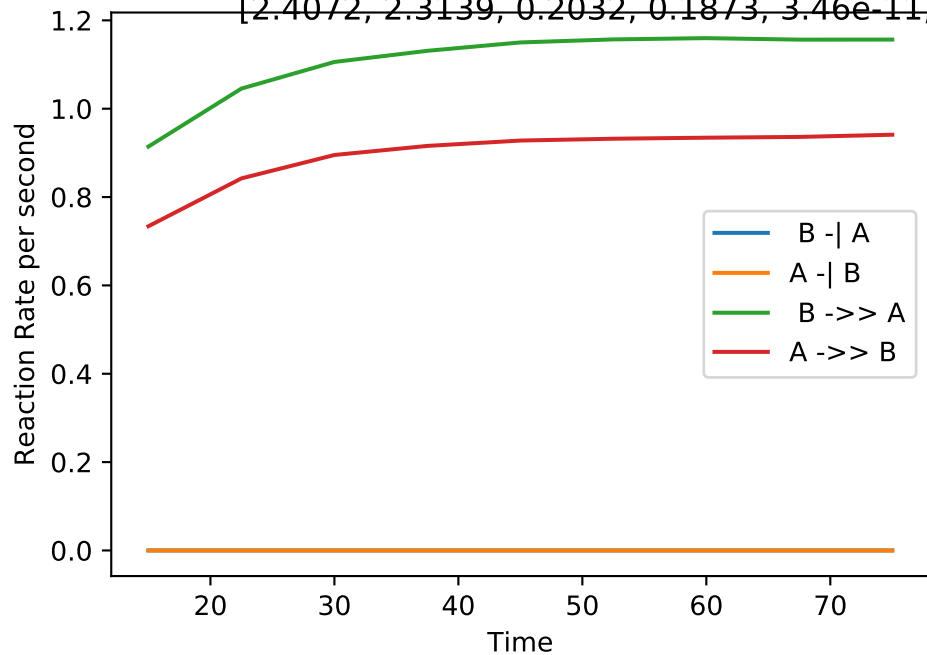
No_up | MB-LLS No_up(#86):

[2.4485, 2.2941, 0.2742, 0.1603, 1.767e-08, 3.397e-09, 0.0639, 0.1461, 0.1001, 0.0000]



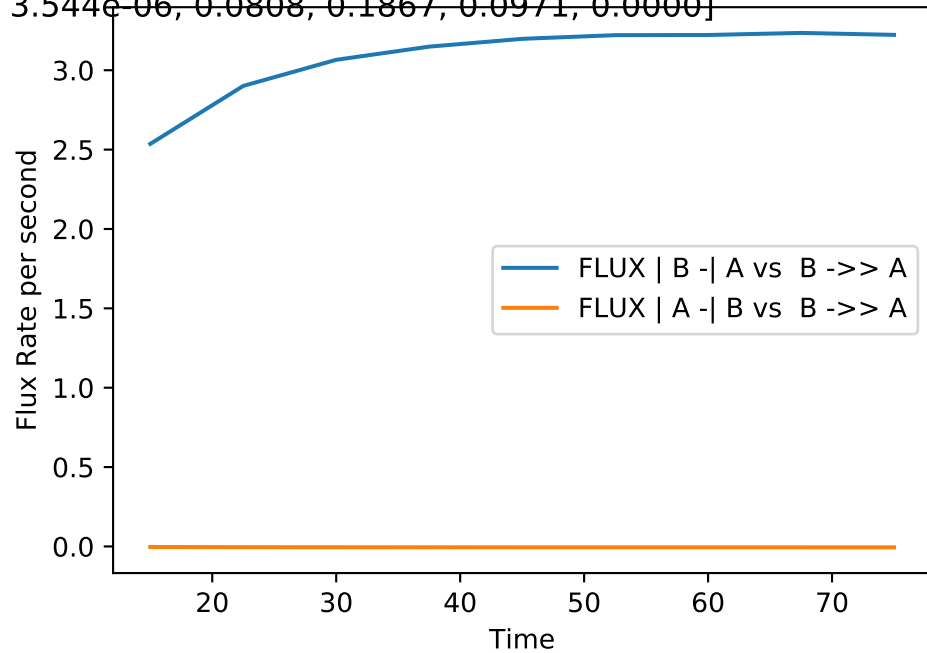
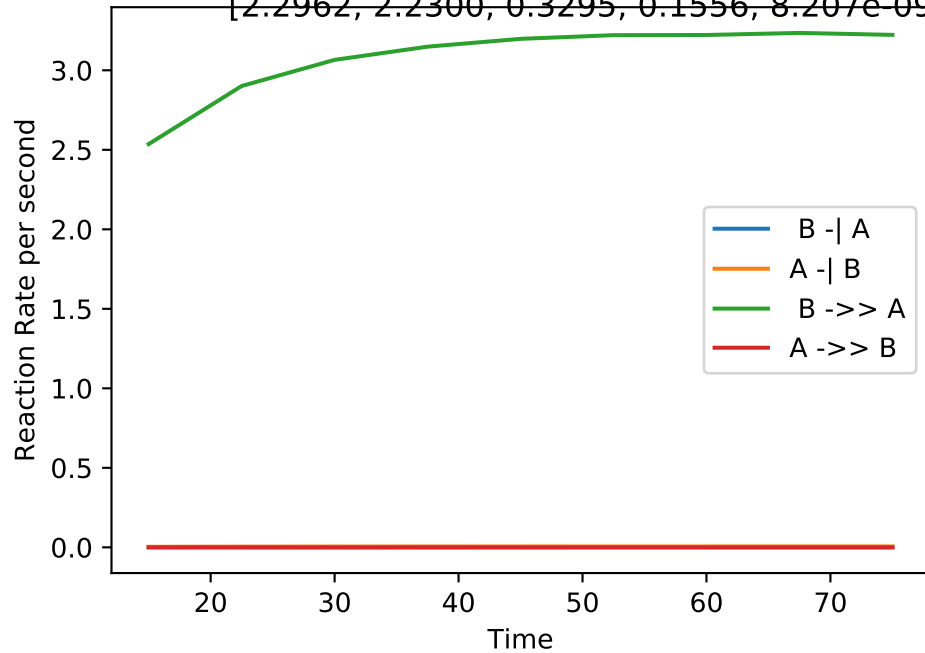
No_up | MB-LLS No_up(#87):

[2.4072, 2.3139, 0.2032, 0.1873, 3.46e-11, 1.082e-10, 0.0290, 0.1116, 0.1038, 0.0235]



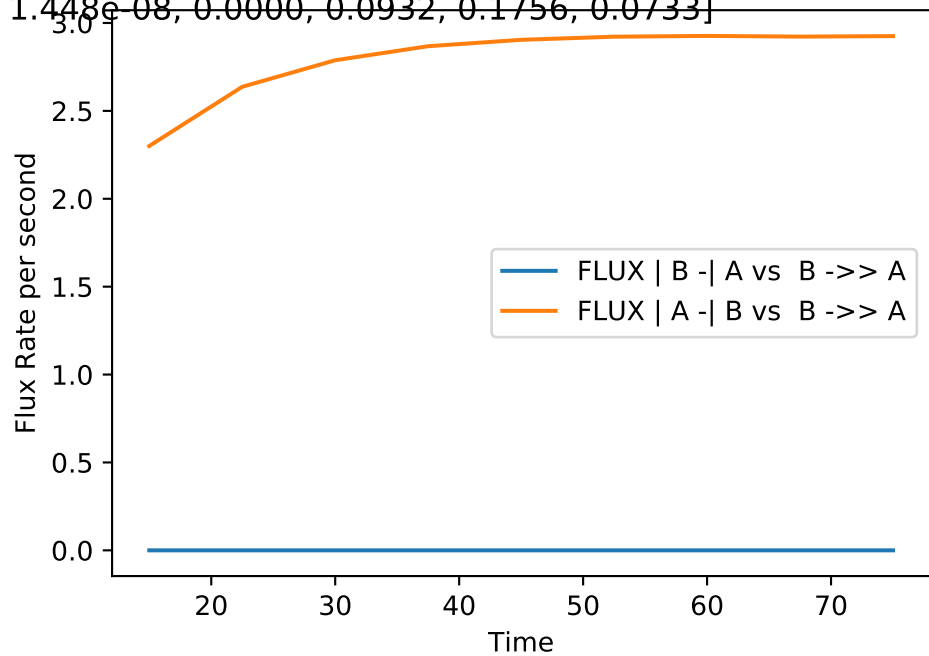
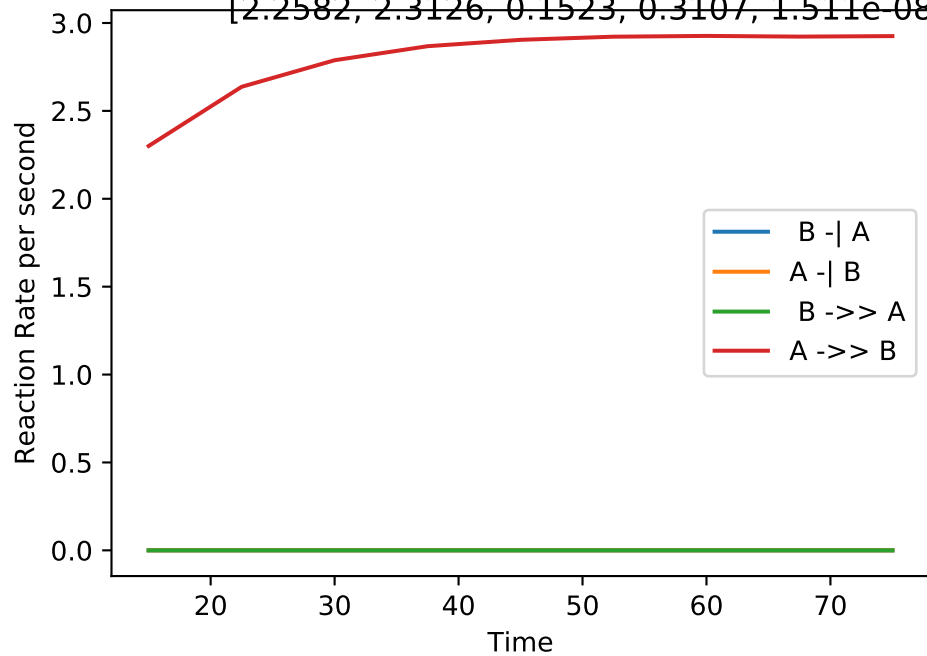
No_up | MB-LLS No_up(#88):

[2.2962, 2.2300, 0.3295, 0.1556, 8.207e-09, 3.544e-06, 0.0808, 0.1867, 0.0971, 0.0000]



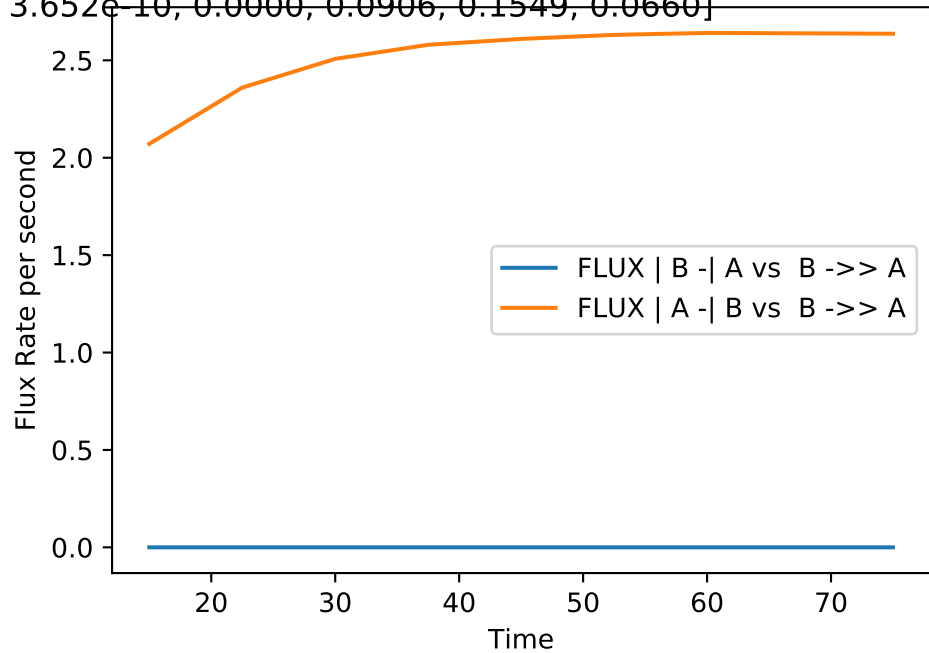
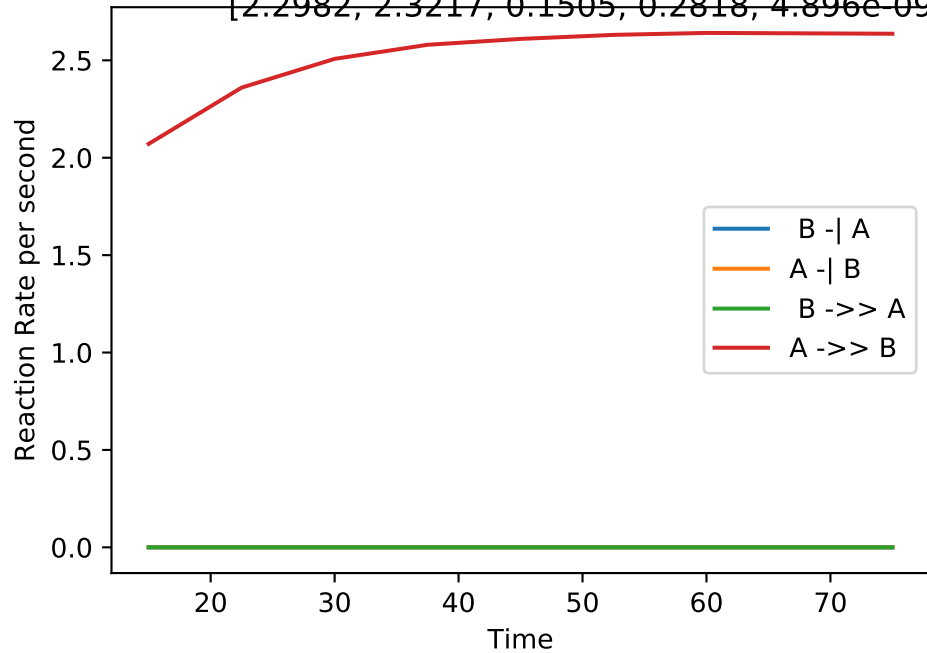
No_up | MB-LLS No_up(#89):

[2.2582, 2.3126, 0.1523, 0.3107, 1.511e-08, 1.448e-08, 0.0000, 0.0932, 0.1756, 0.0733]



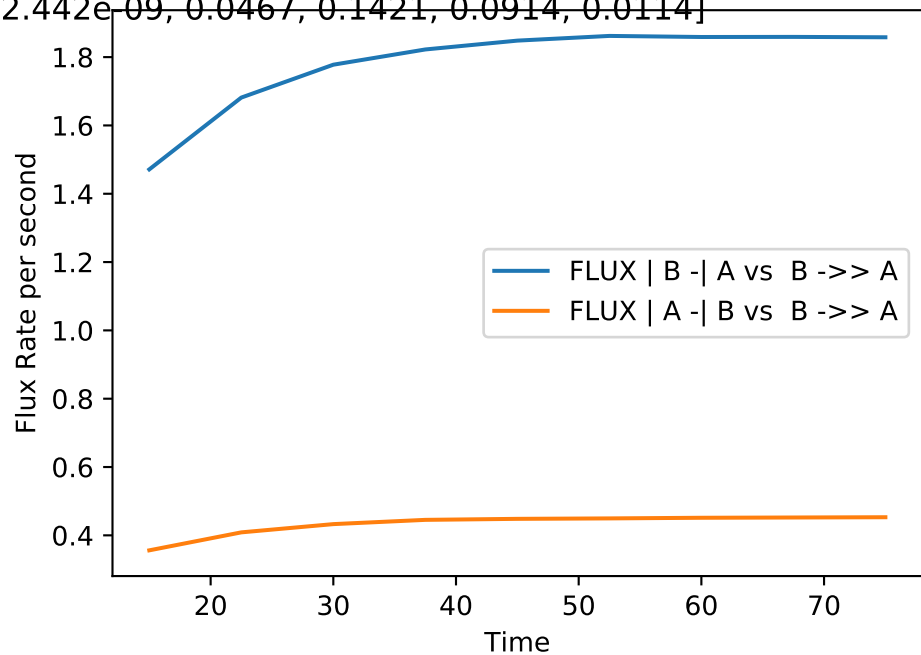
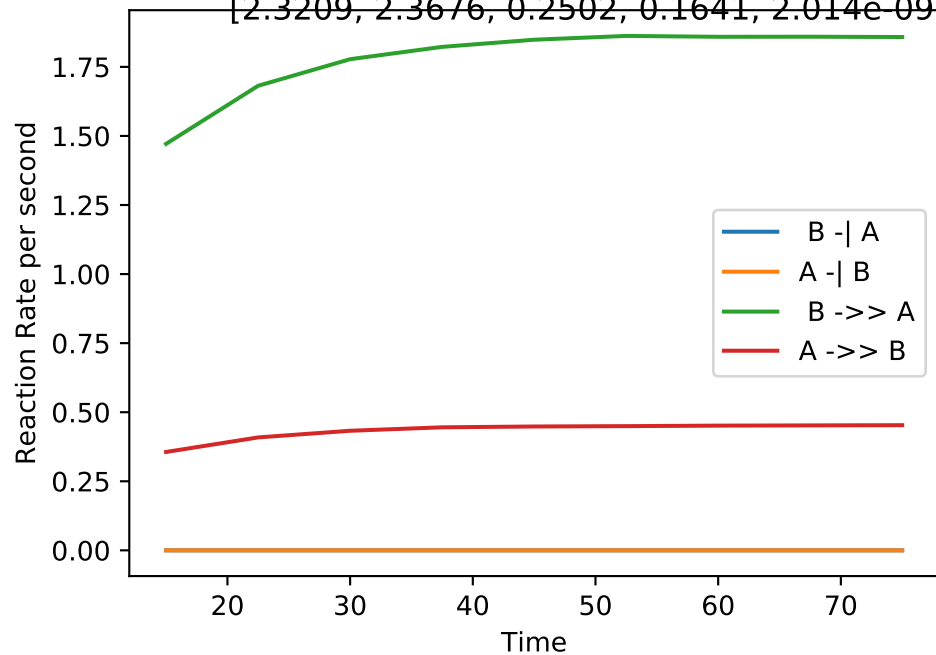
No_up | MB-LLS No_up(#90):

[2.2982, 2.3217, 0.1505, 0.2818, 4.896e-09, 3.652e-10, 0.0000, 0.0906, 0.1549, 0.0660]



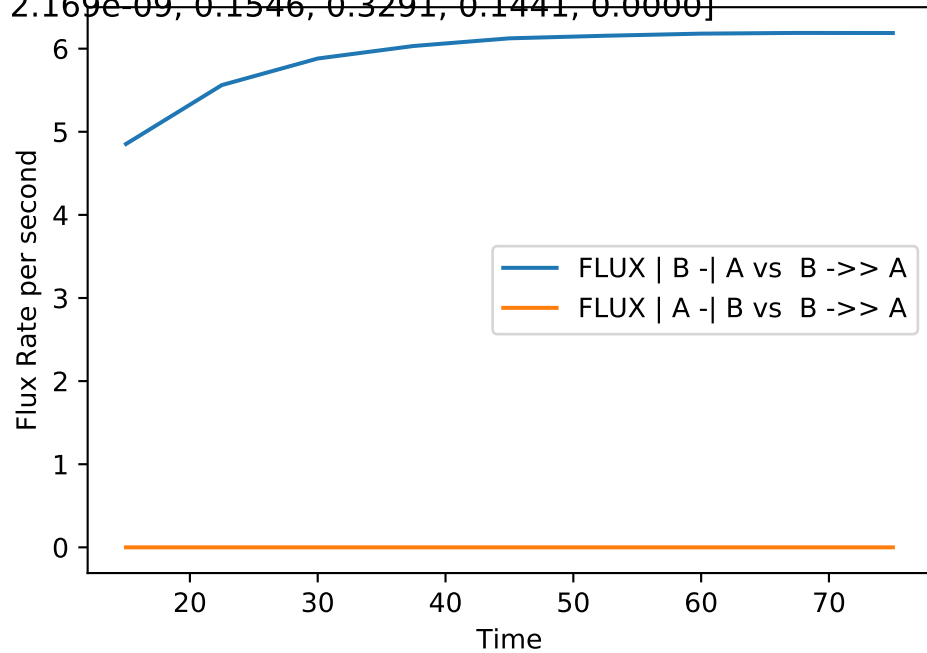
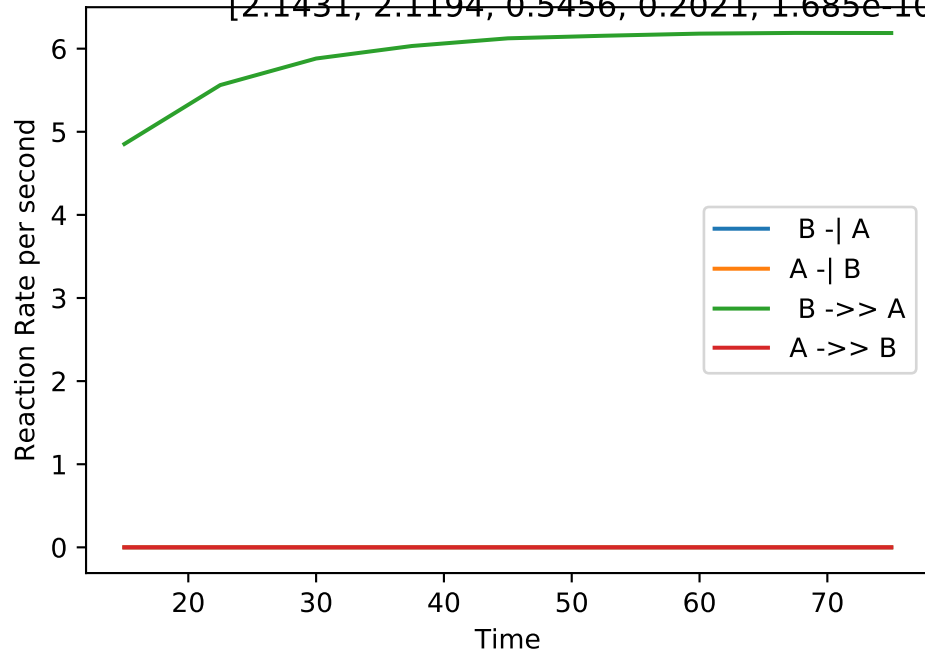
No_up | MB-LLS No_up(#91):

[2.3209, 2.3676, 0.2502, 0.1641, 2.014e-09, 2.442e-09, 0.0467, 0.1421, 0.0914, 0.0114]



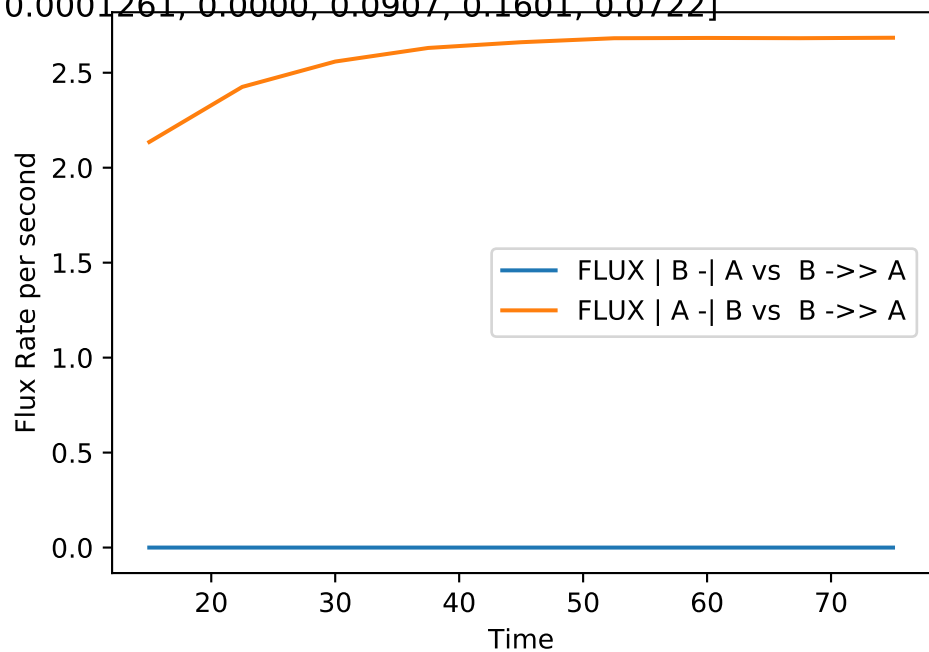
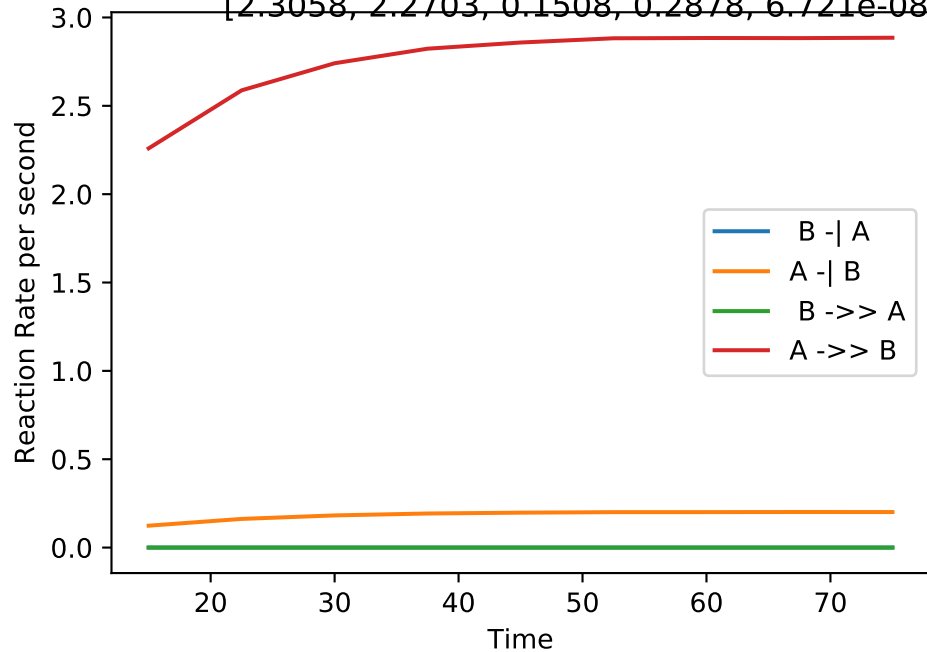
No_up | MB-LLS No_up(#92):

[2.1431, 2.1194, 0.5456, 0.2021, 1.685e-10, 2.169e-09, 0.1546, 0.3291, 0.1441, 0.0000]



No_up | MB-LLS No_up(#93):

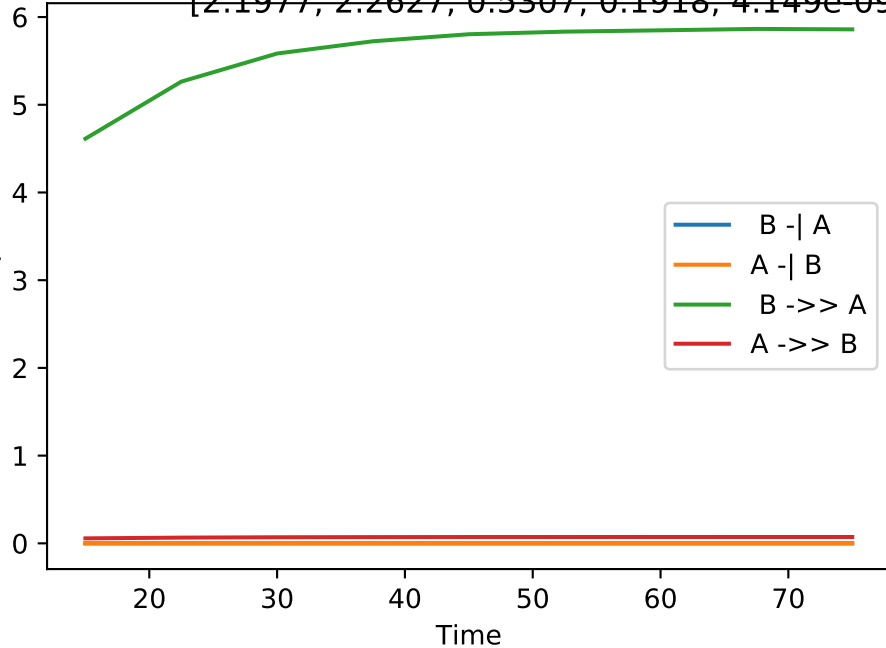
[2.3058, 2.2703, 0.1508, 0.2878, 6.721e-08, 0.0001261, 0.0000, 0.0907, 0.1601, 0.0722]



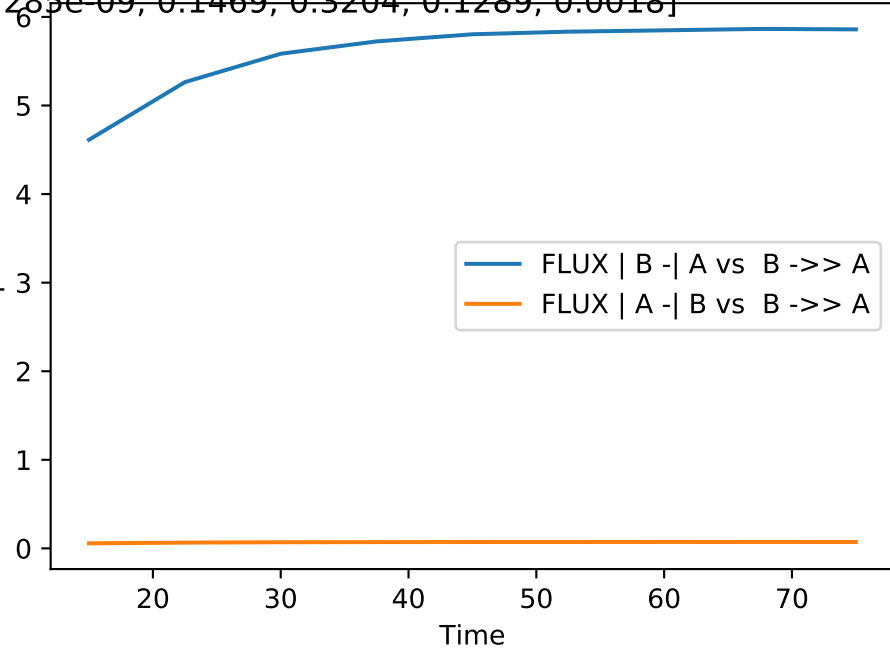
No_up | MB-LLS No_up(#94):

[2.1977, 2.2627, 0.5307, 0.1918, 4.149e-09, 2.285e-09, 0.1469, 0.3204, 0.1289, 0.0018]

Reaction Rate per second

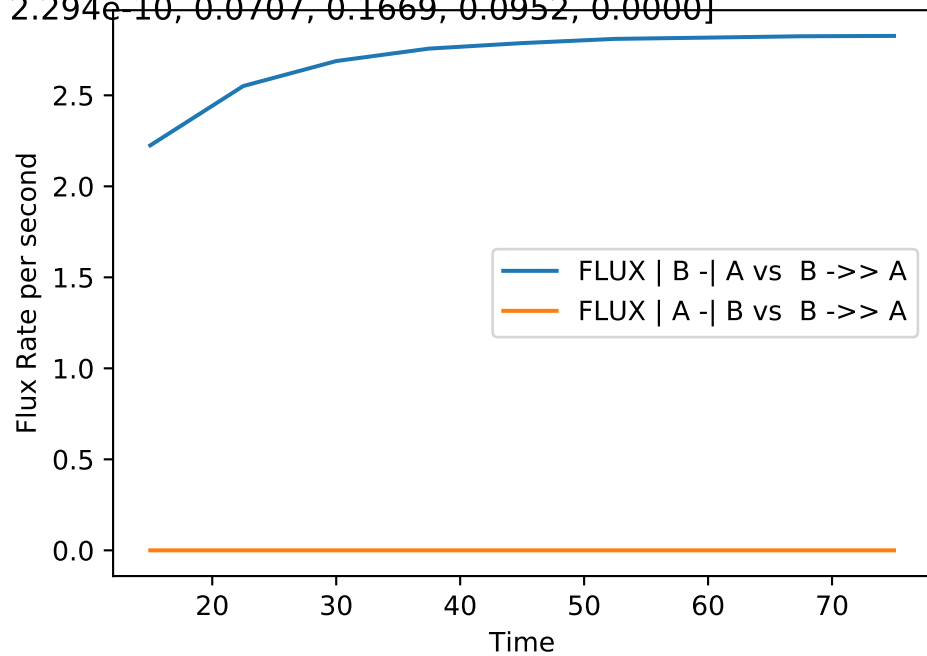
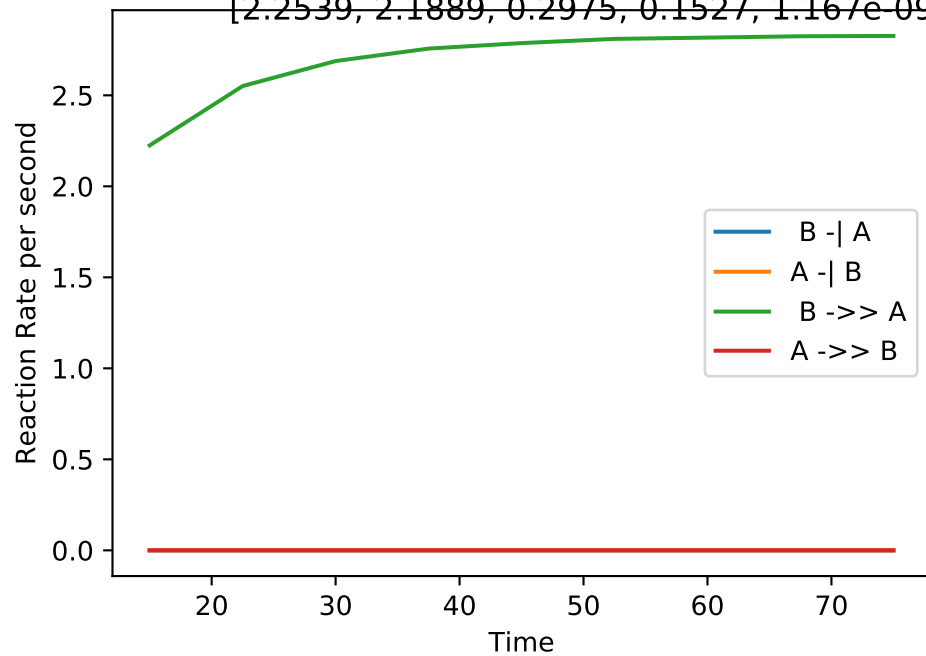


Flux Rate per second



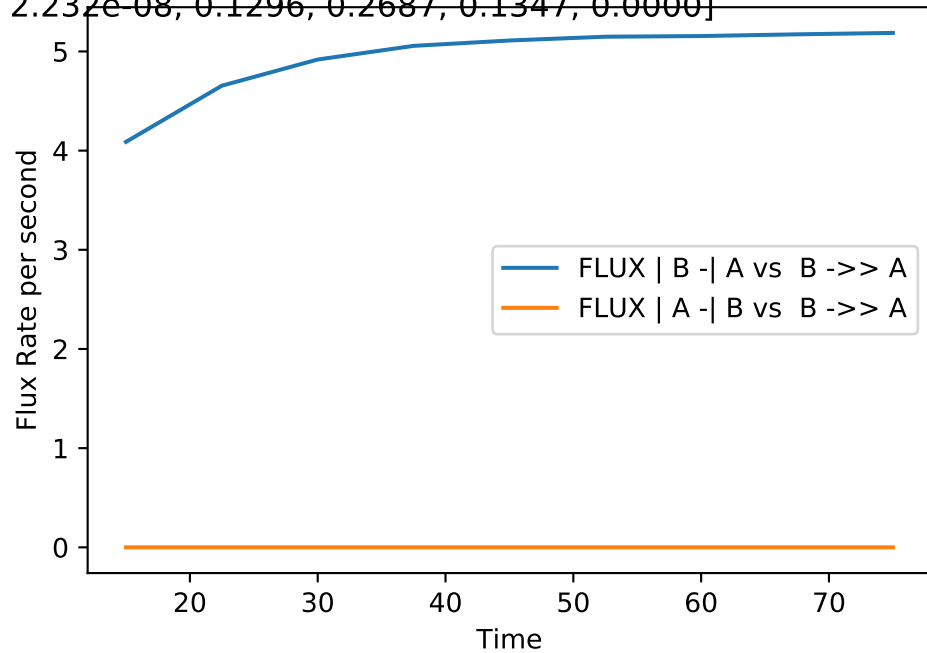
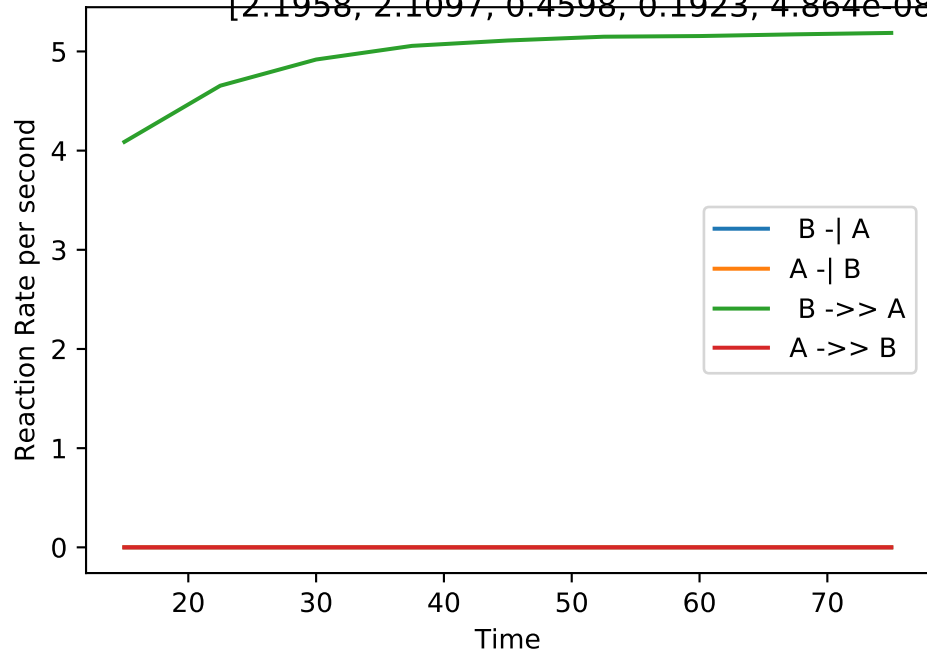
No_up | MB-LLS No_up(#95):

[2.2539, 2.1889, 0.2975, 0.1527, 1.167e-09, 2.294e-10, 0.0707, 0.1669, 0.0952, 0.0000]



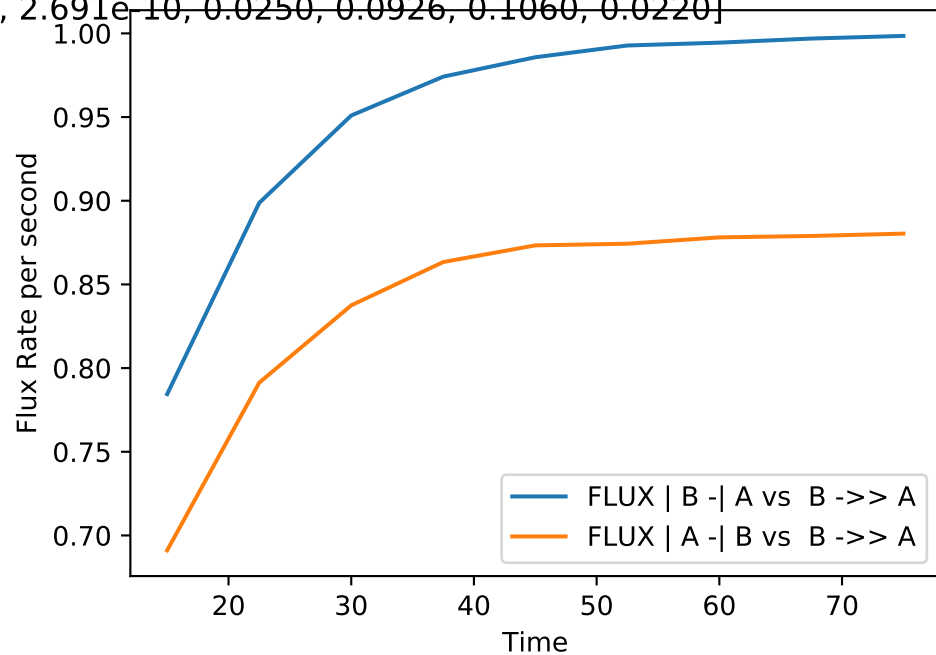
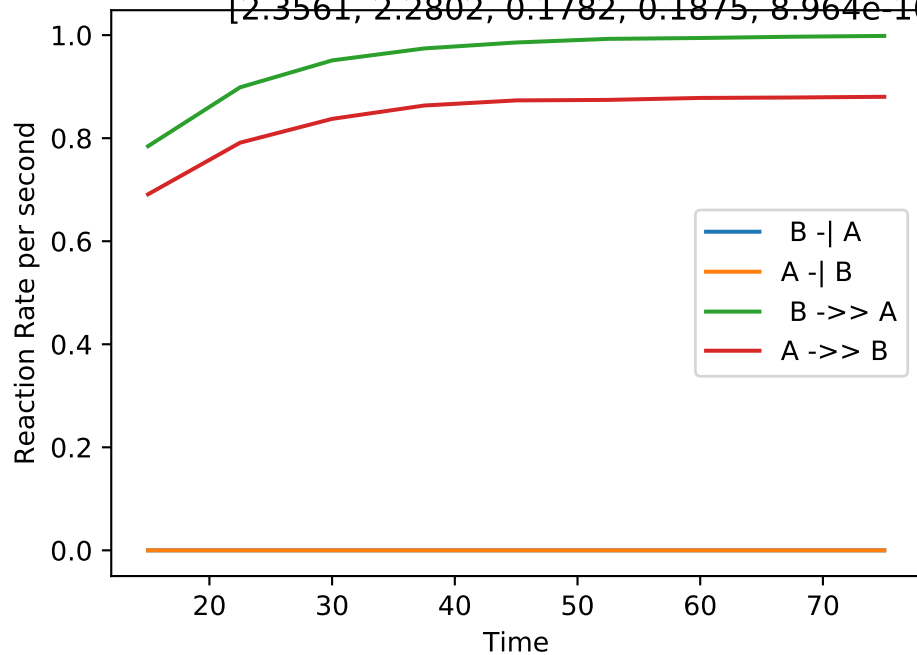
No_up | MB-LLS No_up(#96):

[2.1958, 2.1097, 0.4598, 0.1923, 4.864e-08, 2.232e-08, 0.1296, 0.2687, 0.1347, 0.0000]



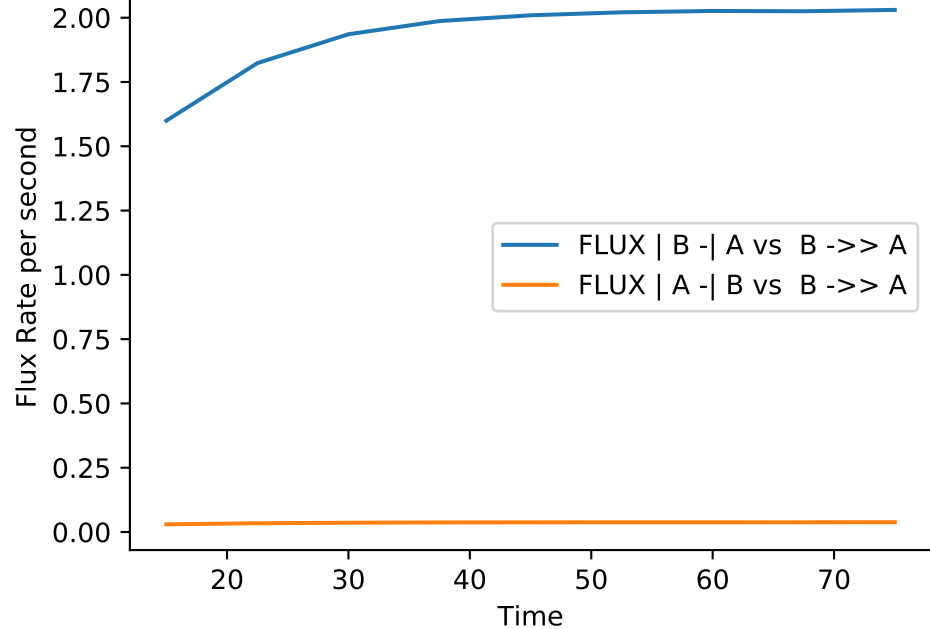
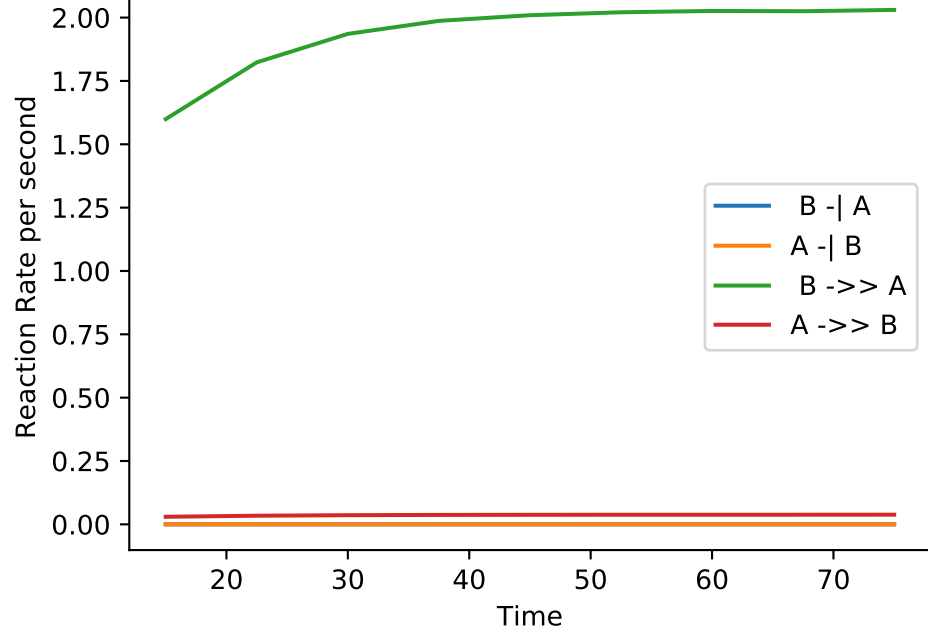
No_up | MB-LLS No_up(#97):

[2.3561, 2.2802, 0.1782, 0.1875, 8.964e-10, 2.691e-10, 0.0250, 0.0926, 0.1060, 0.0220]



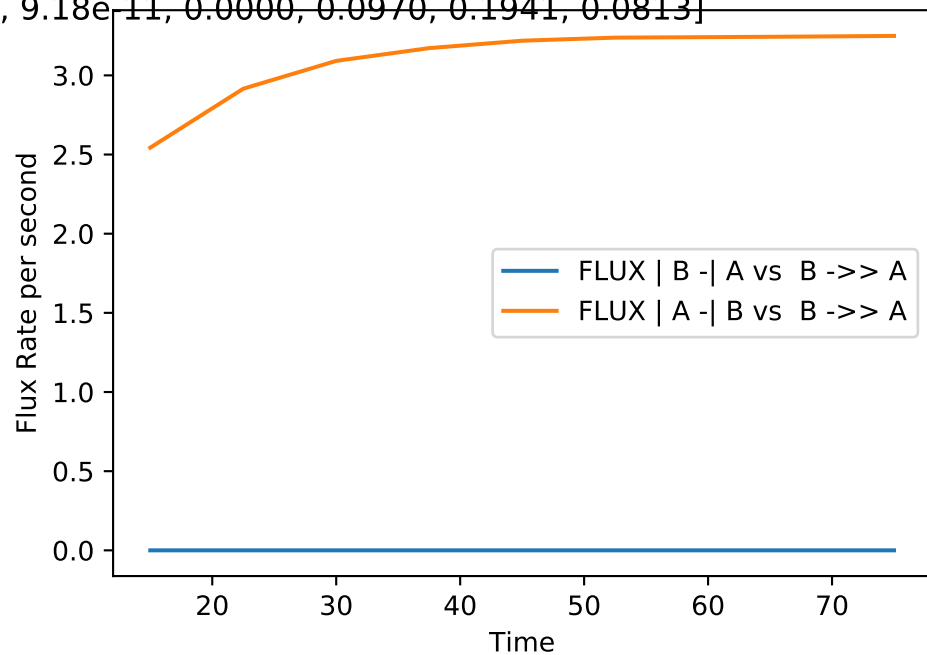
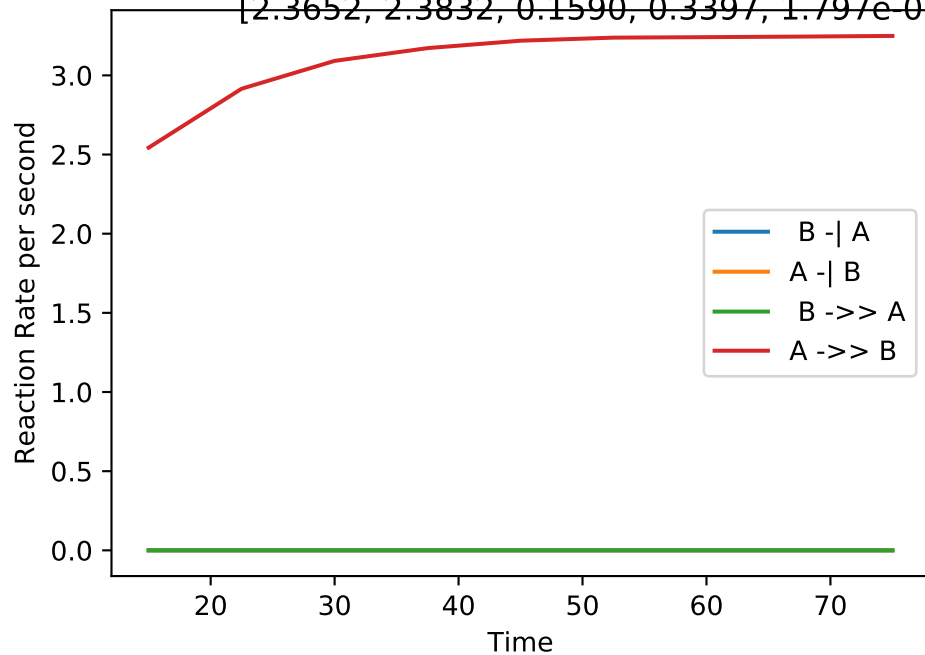
No_up | MB-LLS No_up(#98):

[2.2877, 2.3186, 0.2456, 0.1390, 4.064e-09, 9.649e-10, 0.0509, 0.1347, 0.0783, 0.0010]



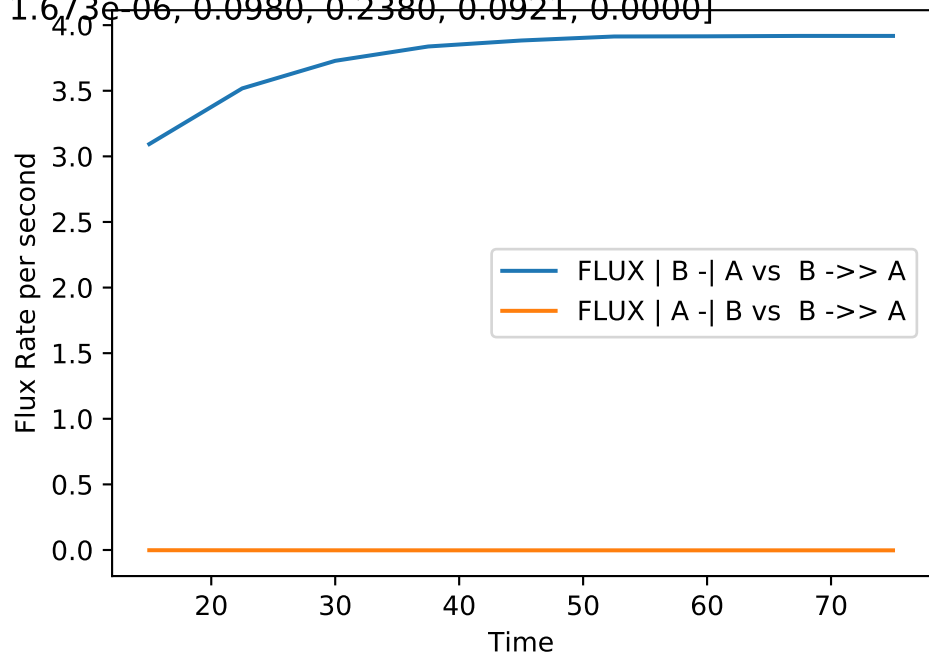
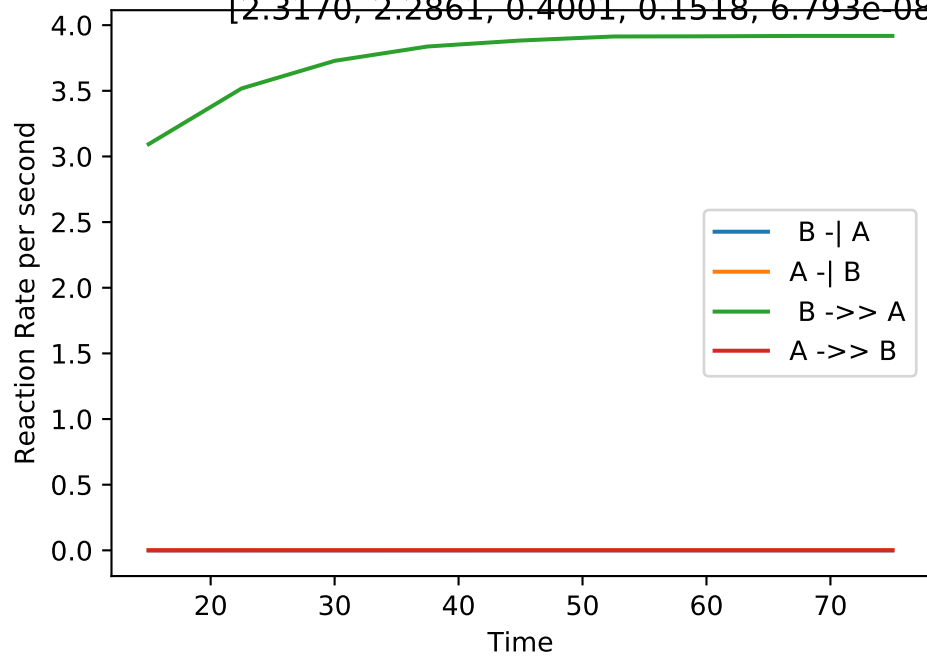
No_up | MB-LLS No_up(#99):

[2.3652, 2.3832, 0.1590, 0.3397, 1.797e-09, 9.18e-11, 0.0000, 0.0970, 0.1941, 0.0813]



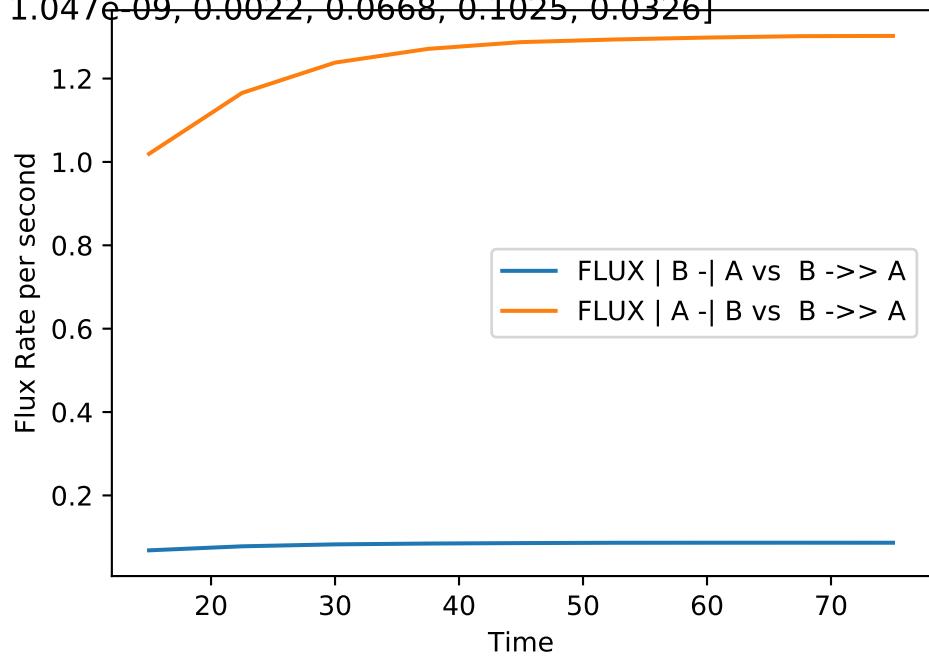
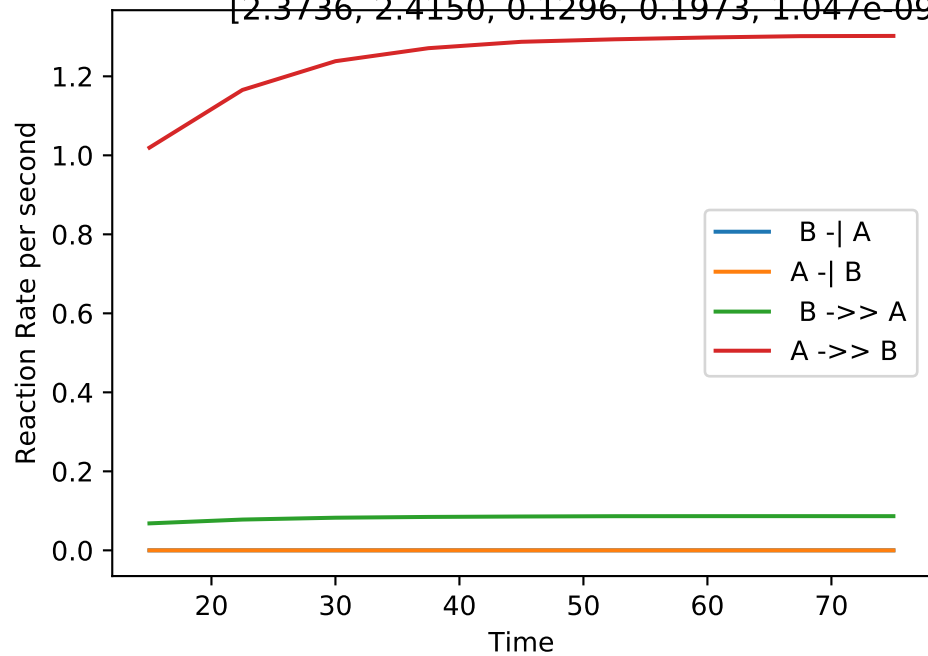
No_up | MB-LLS No_up(#100):

[2.3170, 2.2861, 0.4001, 0.1518, 6.793e-08, 1.673e-06, 0.0980, 0.2380, 0.0921, 0.0000]



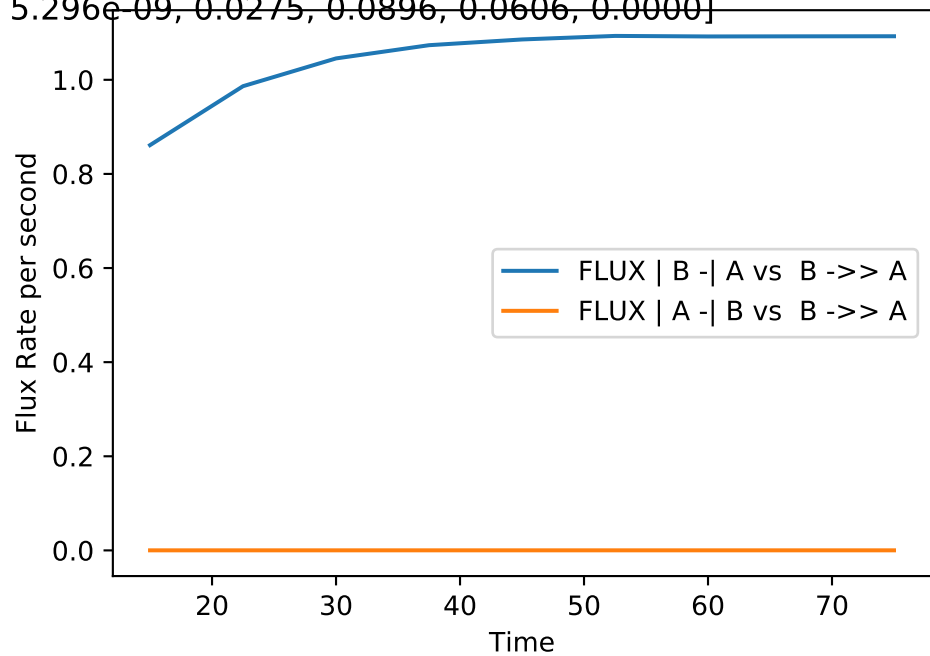
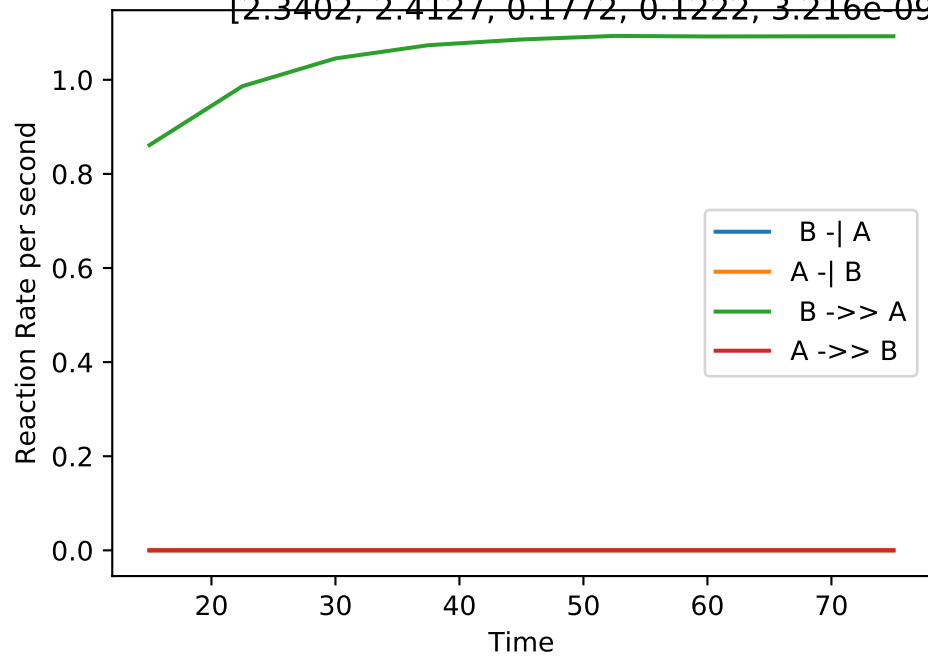
No_up | MB-LLS No_up(#101):

[2.3736, 2.4150, 0.1296, 0.1973, 1.047e-09, 1.047e-09, 0.0022, 0.0668, 0.1025, 0.0326]



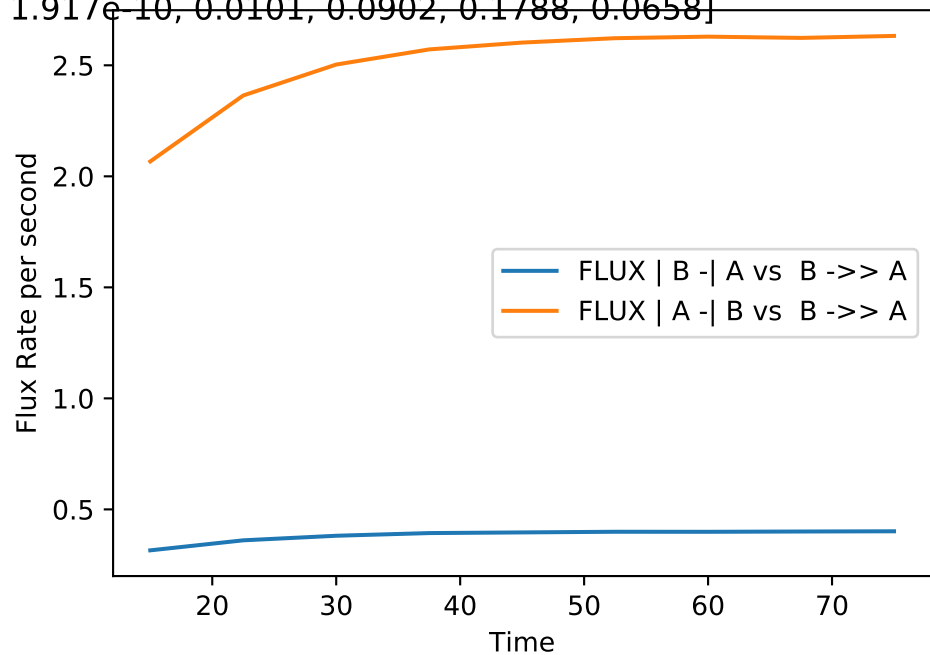
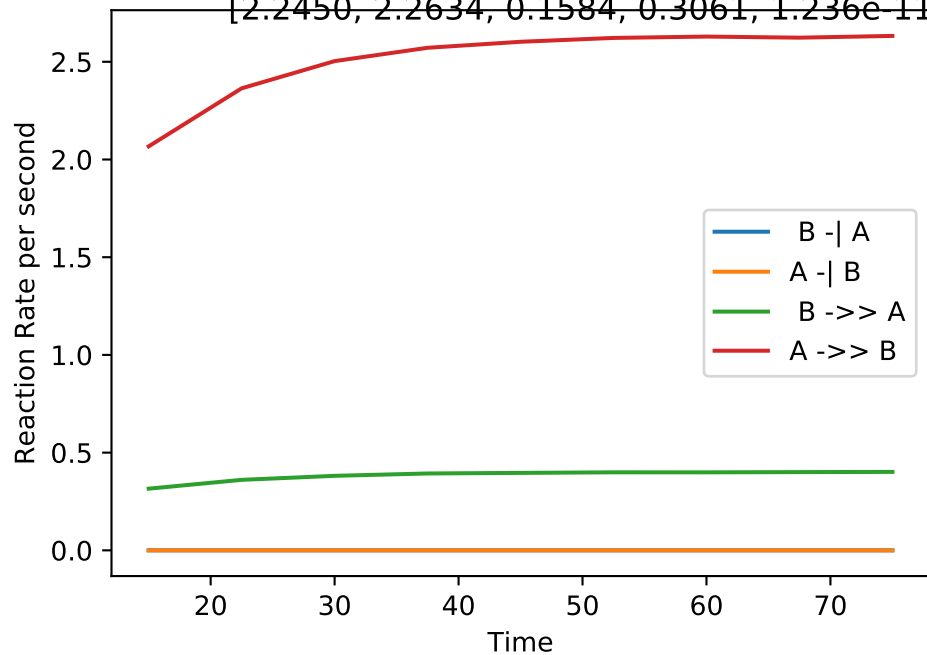
No_up | MB-LLS No_up(#102):

[2.3402, 2.4127, 0.1772, 0.1222, 3.216e-09, 5.296e-09, 0.0275, 0.0896, 0.0606, 0.0000]



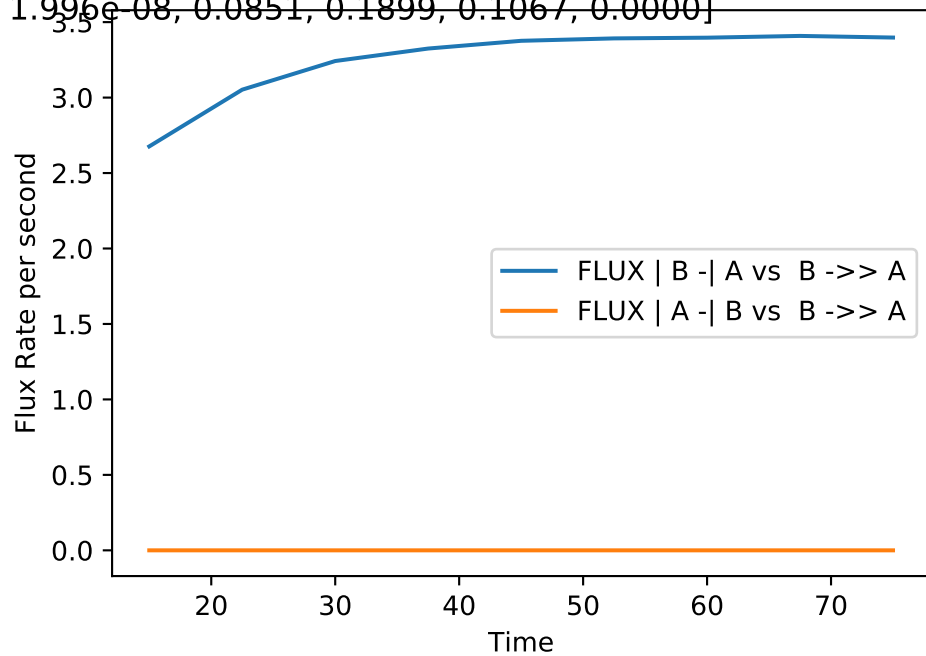
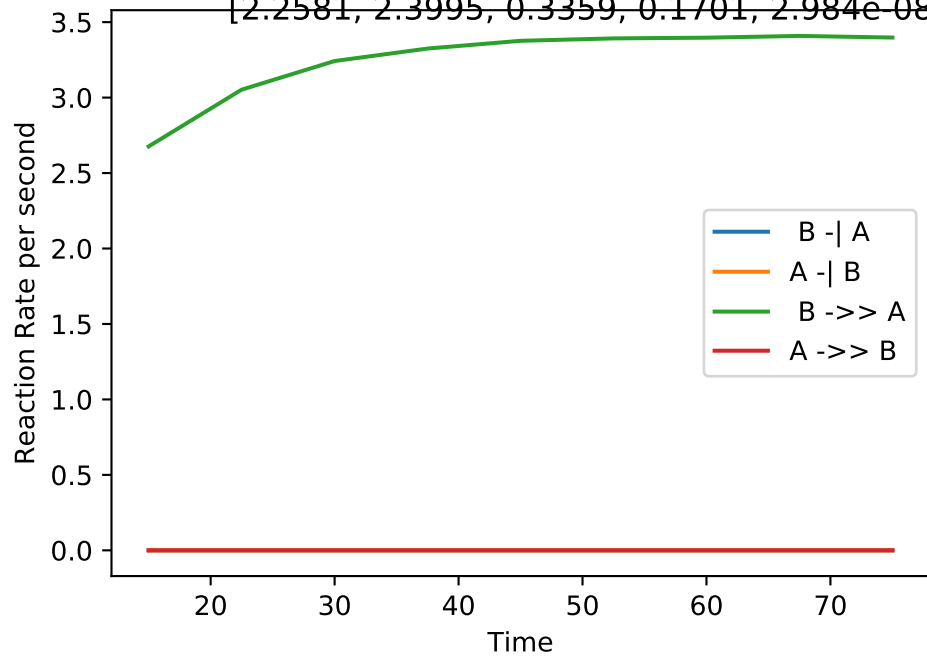
No_up | MB-LLS No_up(#103):

[2.2450, 2.2634, 0.1584, 0.3061, 1.236e-11, 1.917e-10, 0.0101, 0.0902, 0.1788, 0.0658]



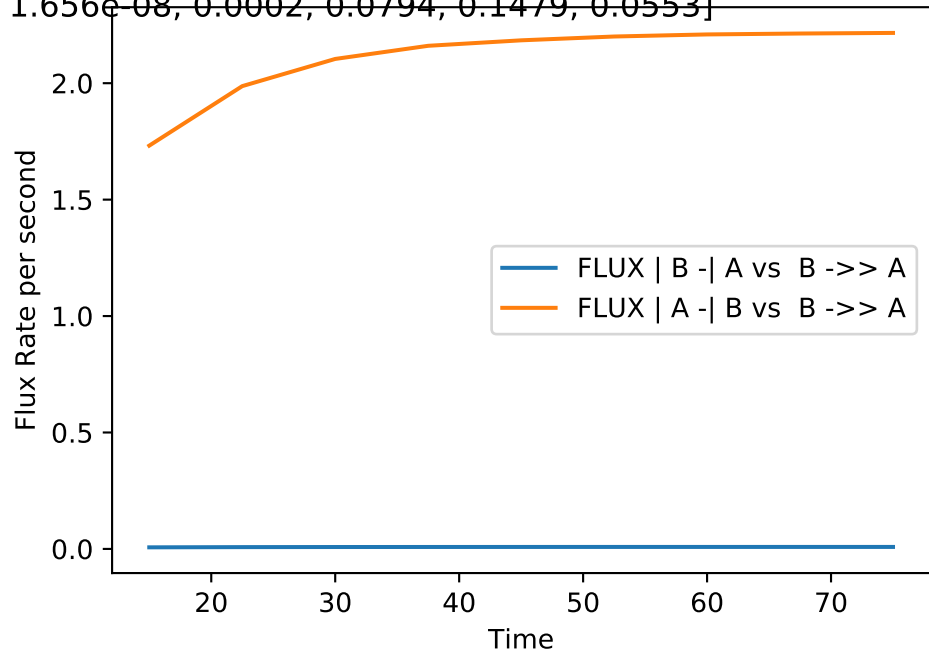
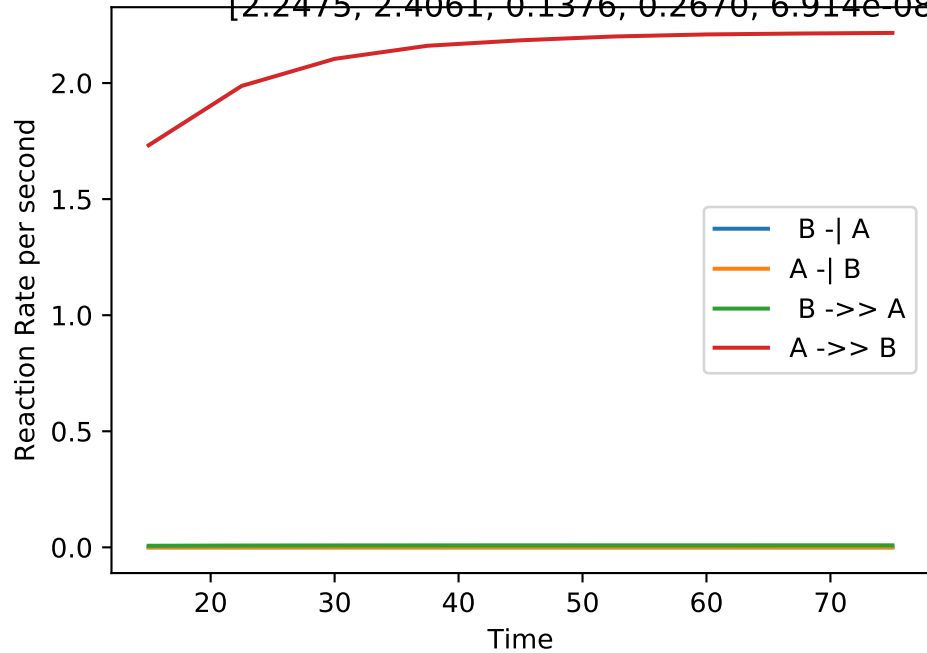
No_up | MB-LLS No_up(#104):

[2.2581, 2.3995, 0.3359, 0.1701, 2.984e-08, 1.996e-08, 0.0851, 0.1899, 0.1067, 0.0000]



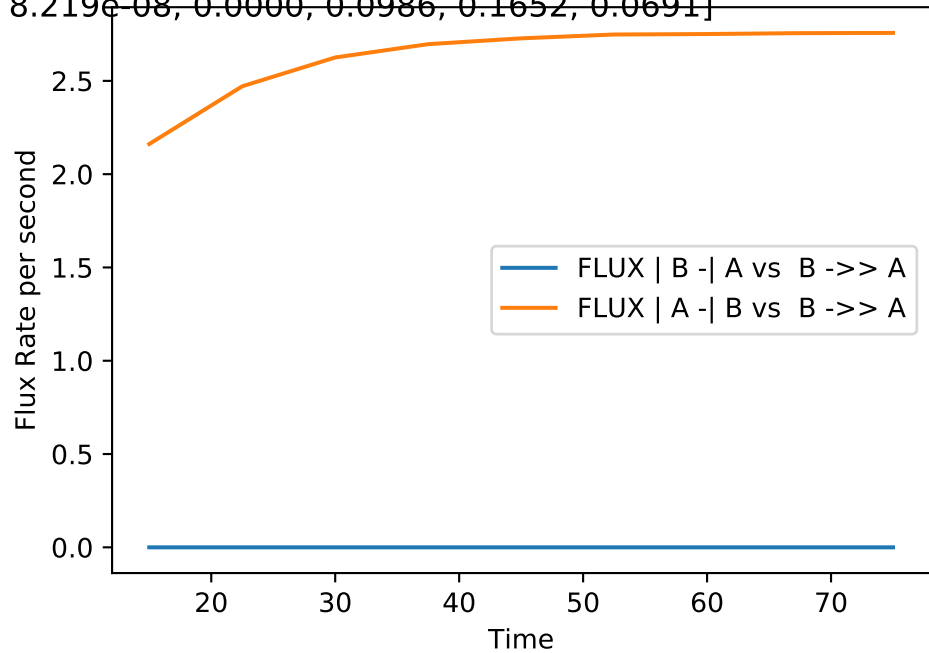
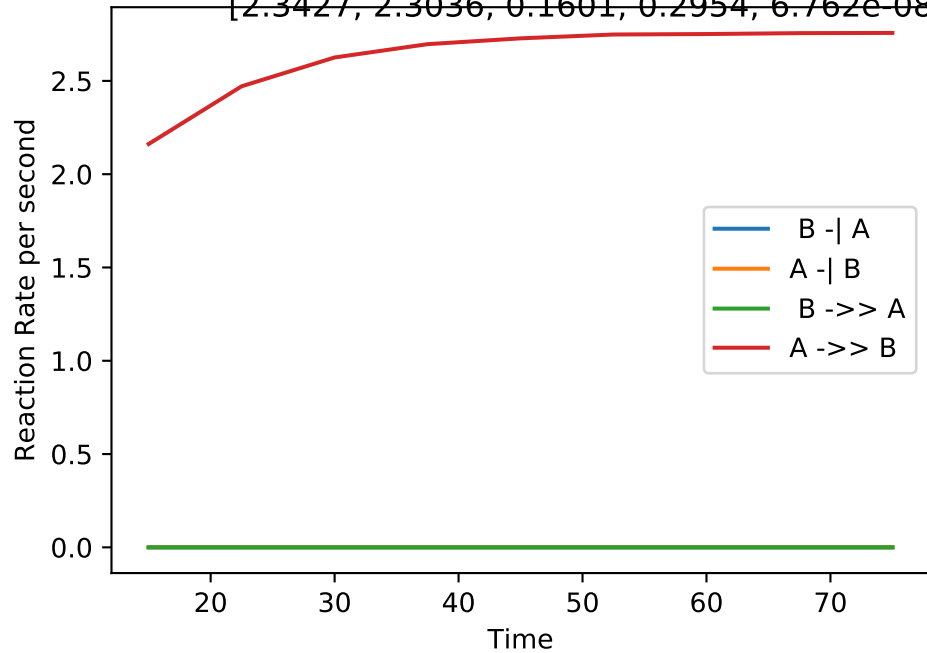
No_up | MB-LLS No_up(#105):

[2.2475, 2.4061, 0.1376, 0.2670, 6.914e-08, 1.656e-08, 0.0002, 0.0794, 0.1479, 0.0553]



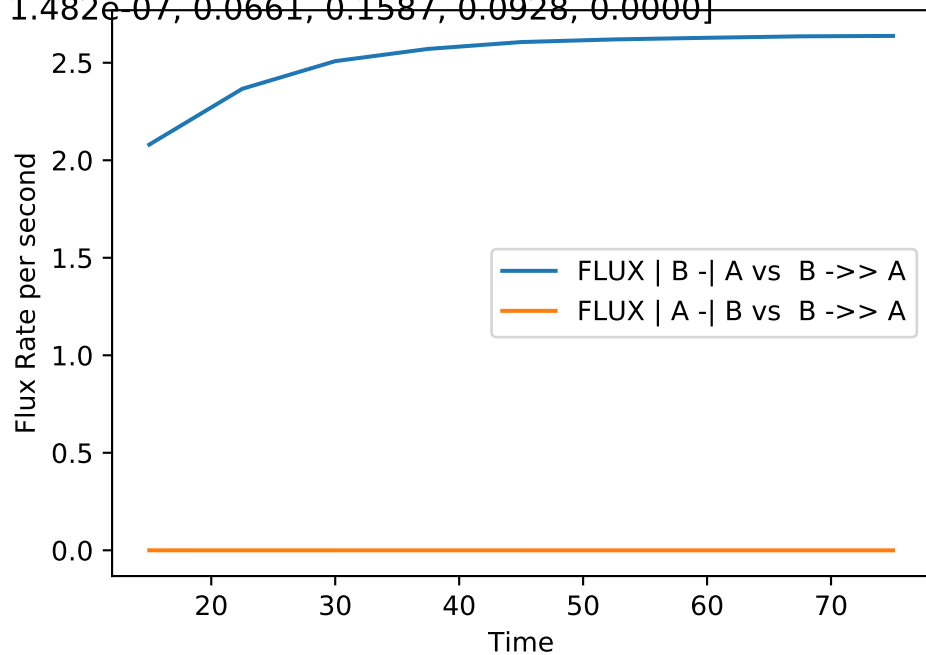
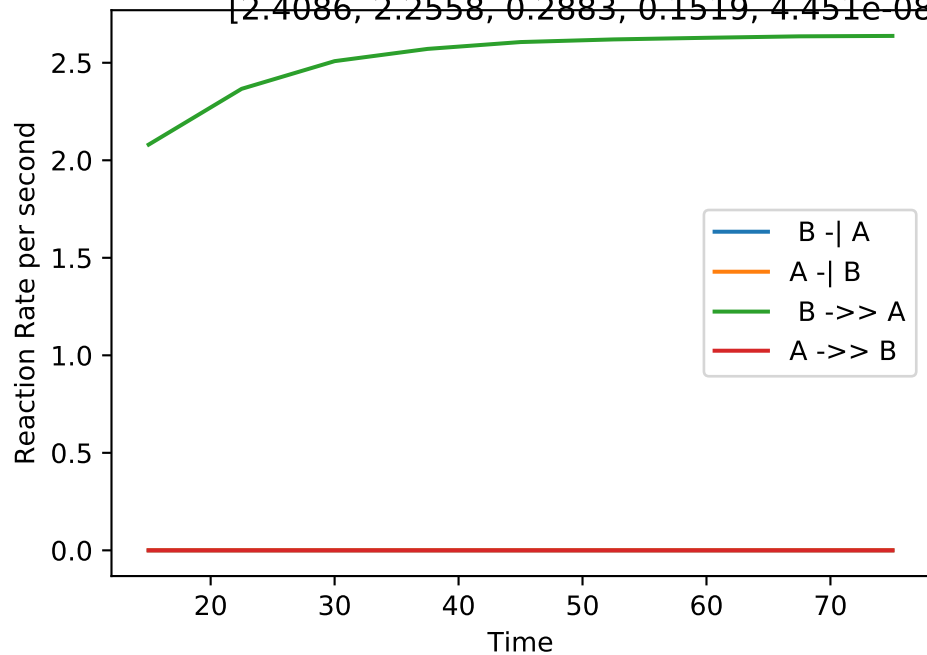
No_up | MB-LLS No_up(#106):

[2.3427, 2.3036, 0.1601, 0.2954, 6.762e-08, 8.219e-08, 0.0000, 0.0986, 0.1652, 0.0691]



No_up | MB-LLS No_up(#107):

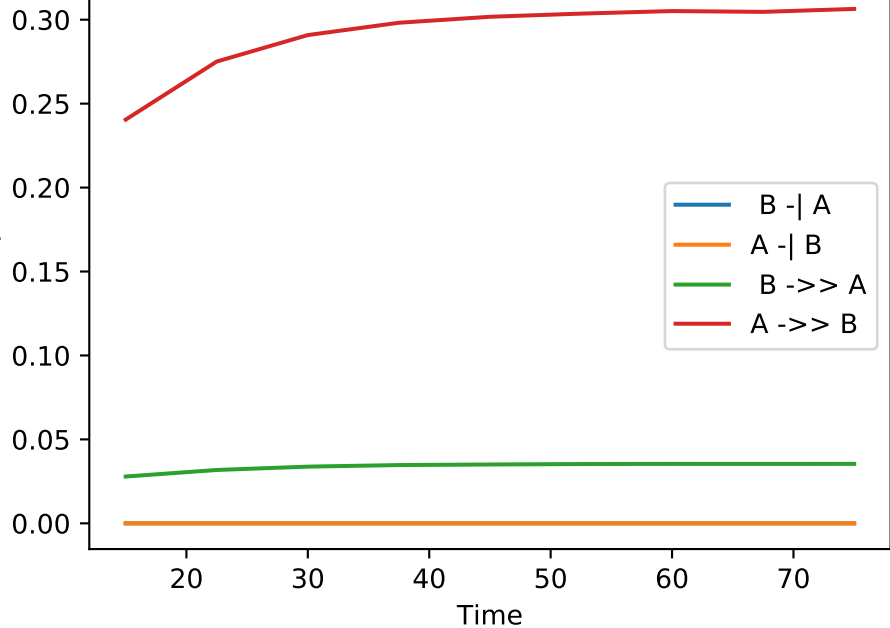
[2.4086, 2.2558, 0.2883, 0.1519, 4.451e-08, 1.482e-07, 0.0661, 0.1587, 0.0928, 0.0000]



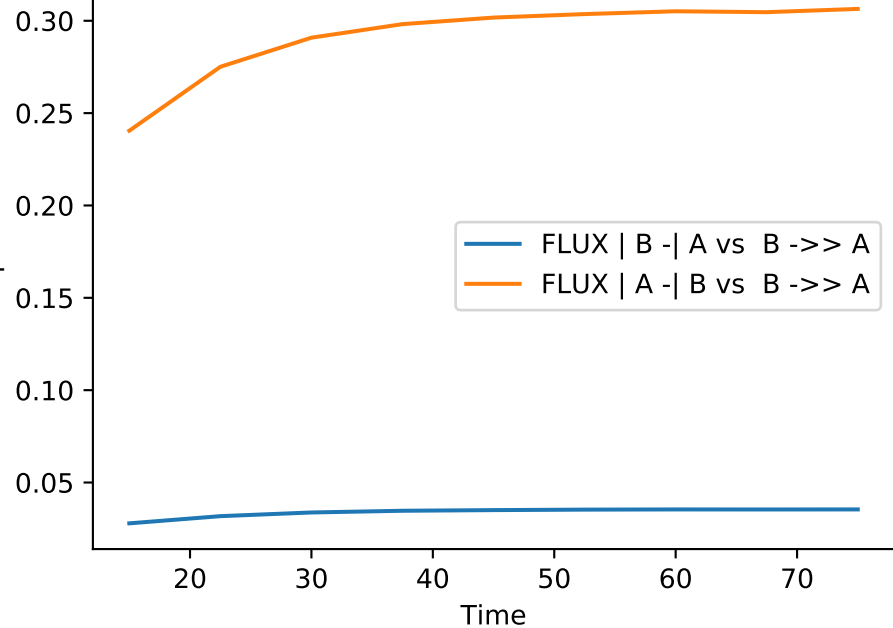
No_up | MB-LLS No_up(#108):

[2.3001, 2.3702, 0.0987, 0.1298, 3.351e-10, 4.285e-10, 0.0009, 0.0404, 0.0621, 0.0076]

Reaction Rate per second

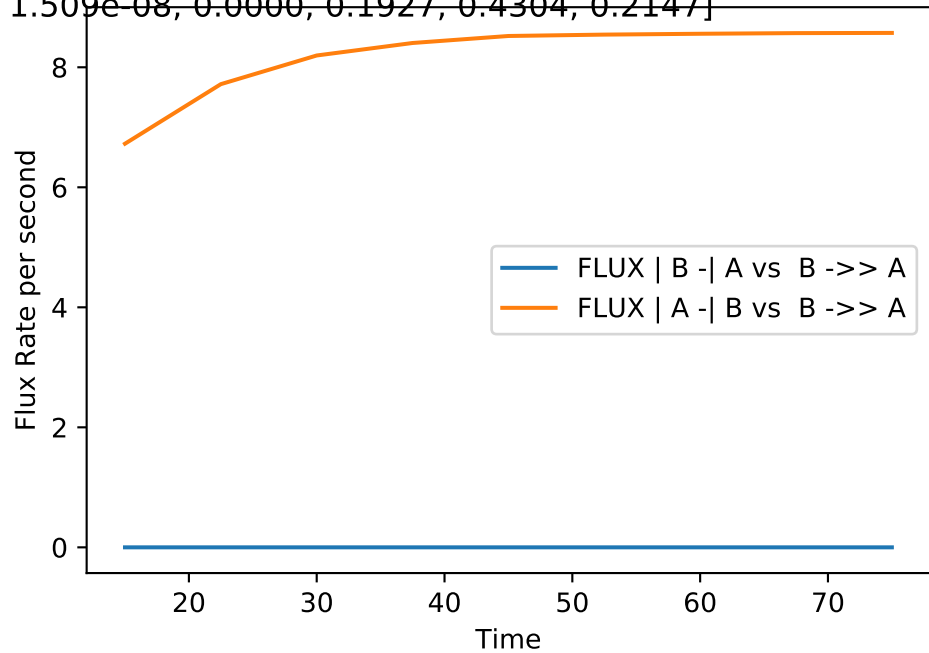
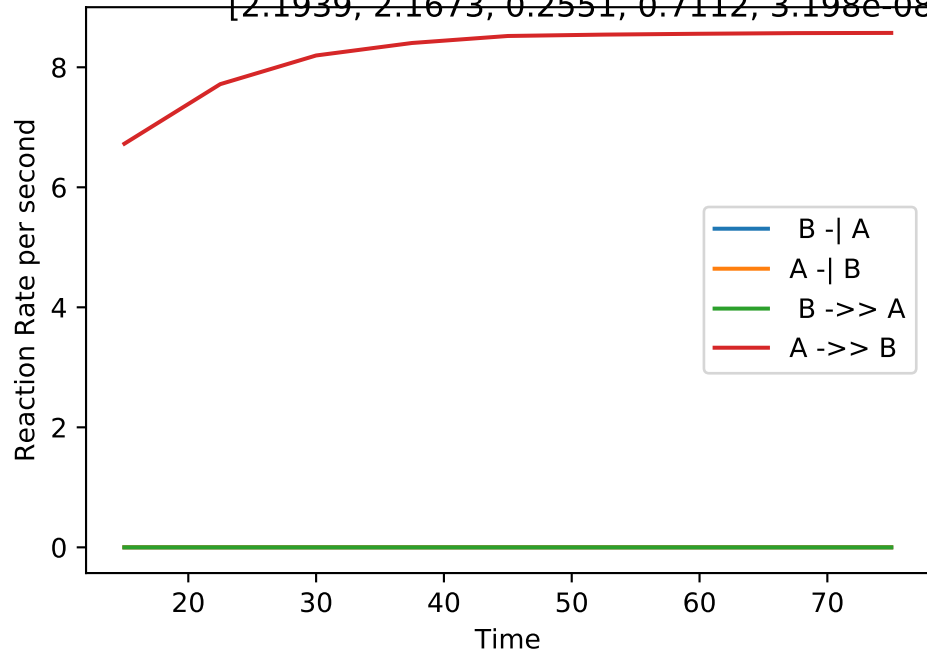


Flux Rate per second



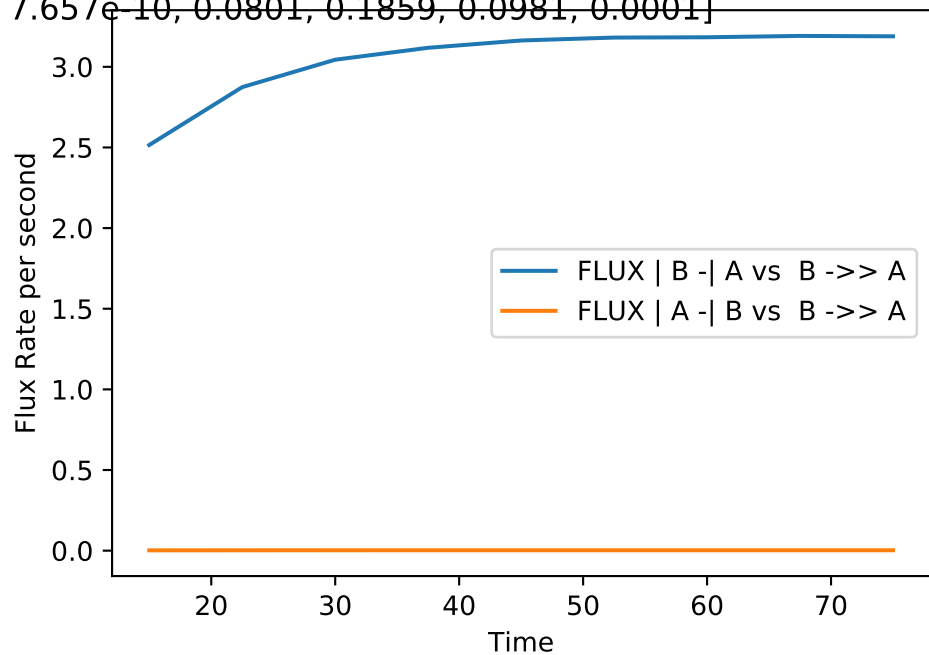
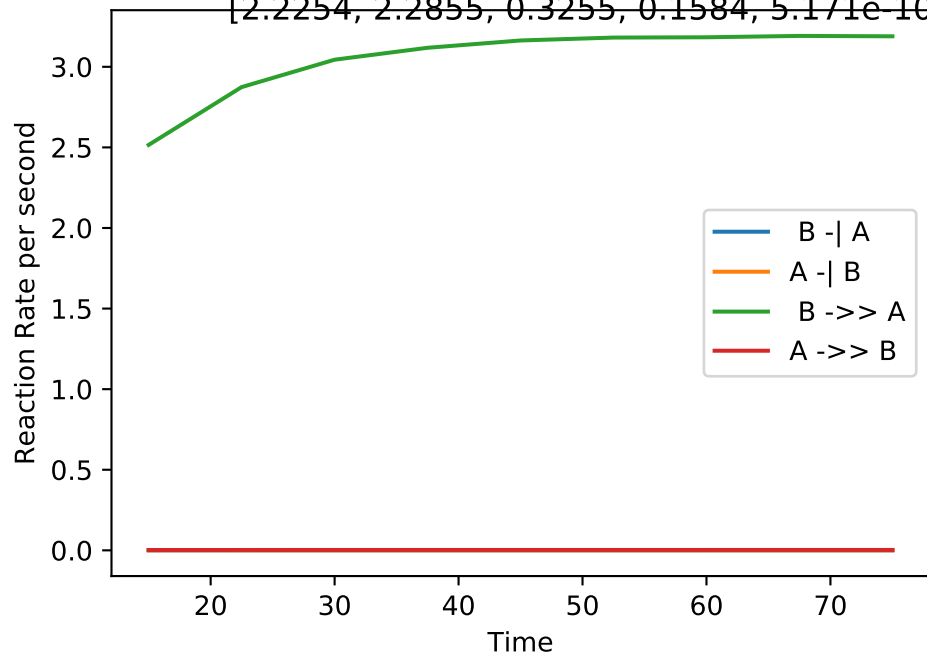
No_up | MB-LLS No_up(#109):

[2.1939, 2.1673, 0.2551, 0.7112, 3.198e-08, 1.509e-08, 0.0000, 0.1927, 0.4304, 0.2147]



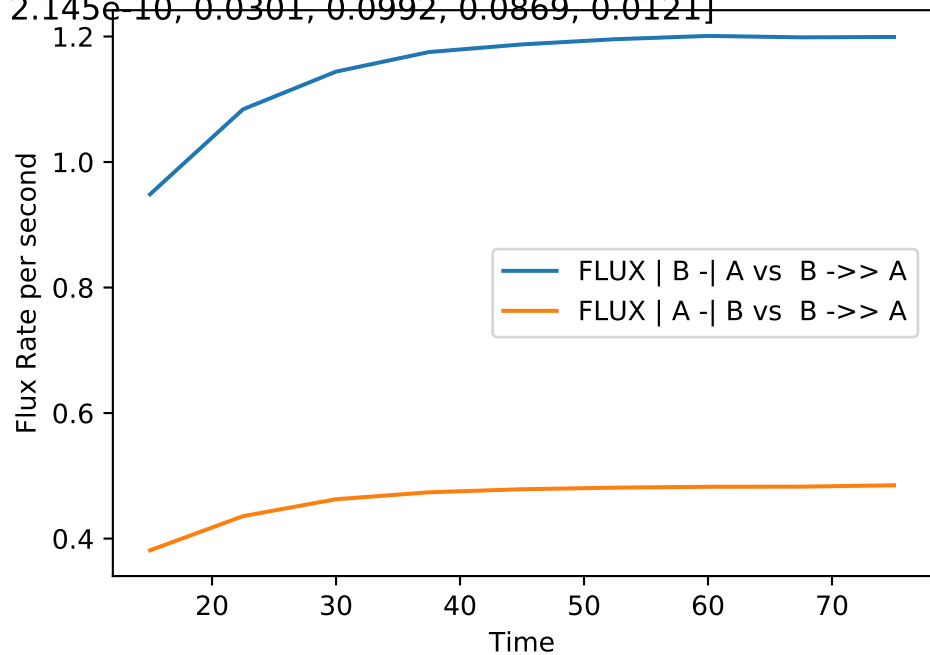
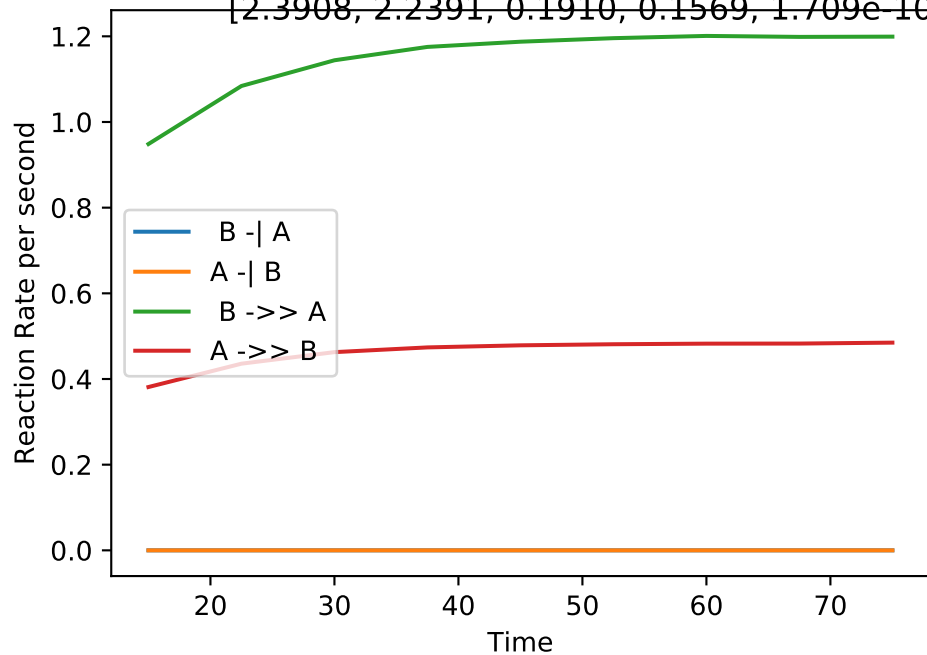
No_up | MB-LLS No_up(#110):

[2.2254, 2.2855, 0.3255, 0.1584, 5.171e-10, 7.657e-10, 0.0801, 0.1859, 0.0981, 0.0001]



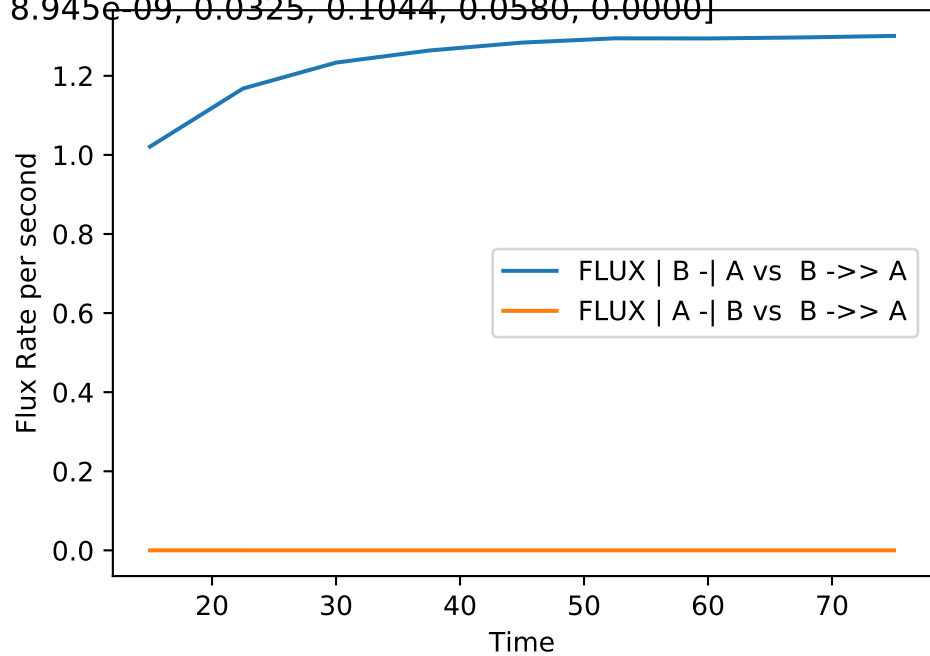
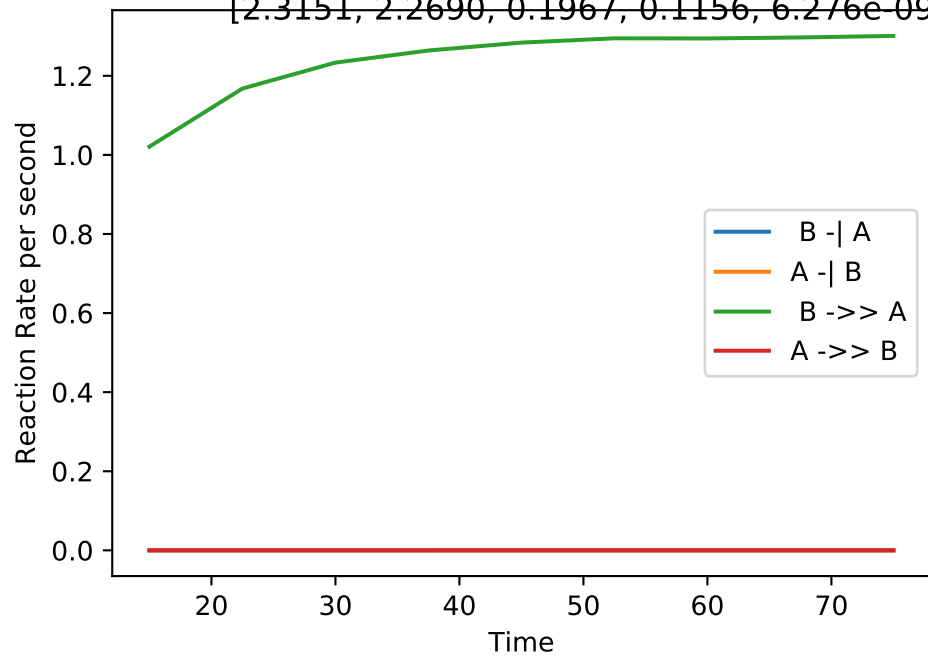
No_up | MB-LLS No_up(#111):

[2.3908, 2.2391, 0.1910, 0.1569, 1.709e-10, 2.145e-10, 0.0301, 0.0992, 0.0869, 0.0121]



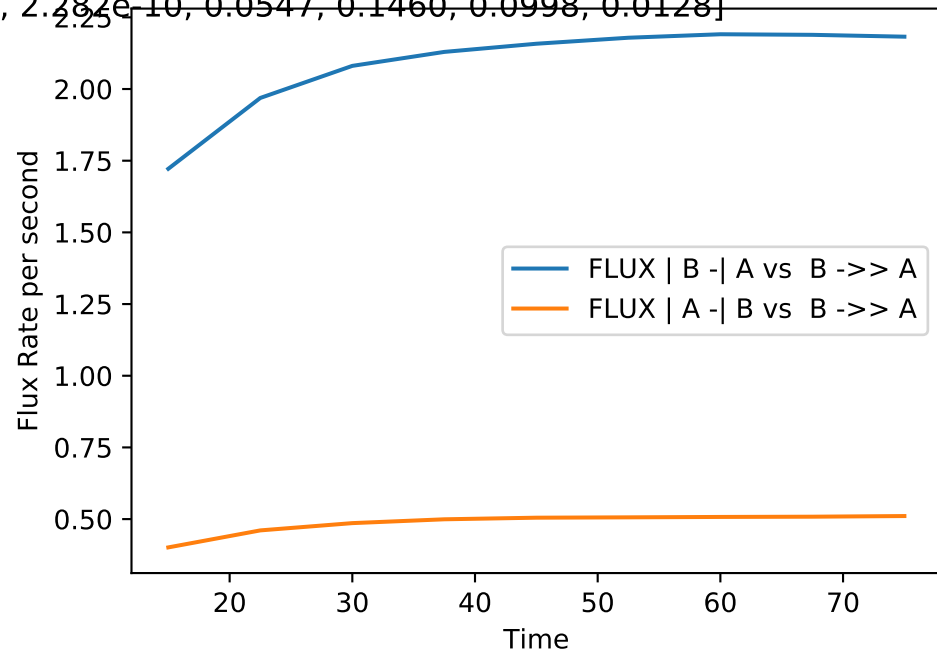
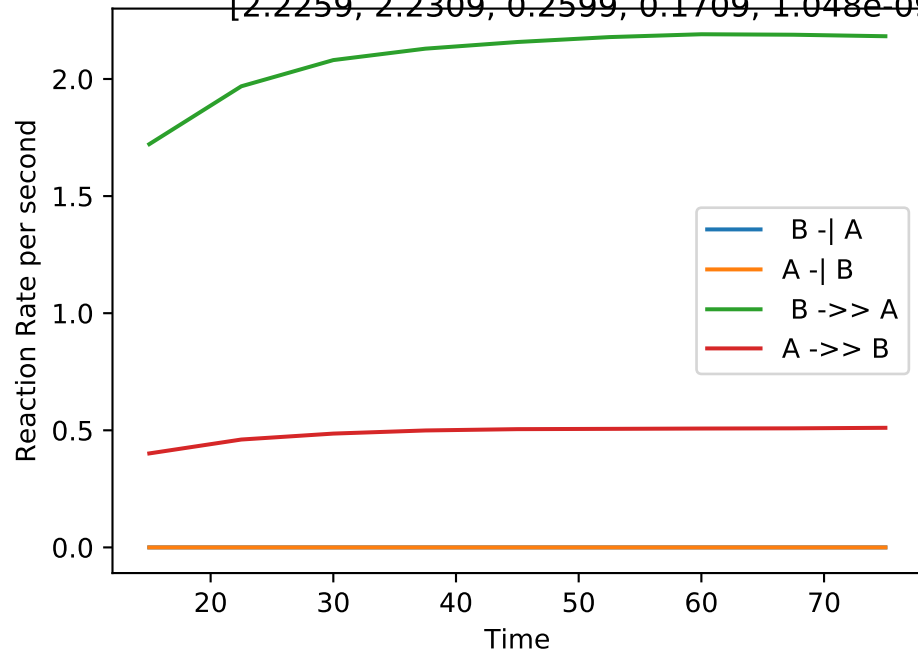
No_up | MB-LLS No_up(#112):

[2.3151, 2.2690, 0.1967, 0.1156, 6.276e-09, 8.945e-09, 0.0325, 0.1044, 0.0580, 0.0000]



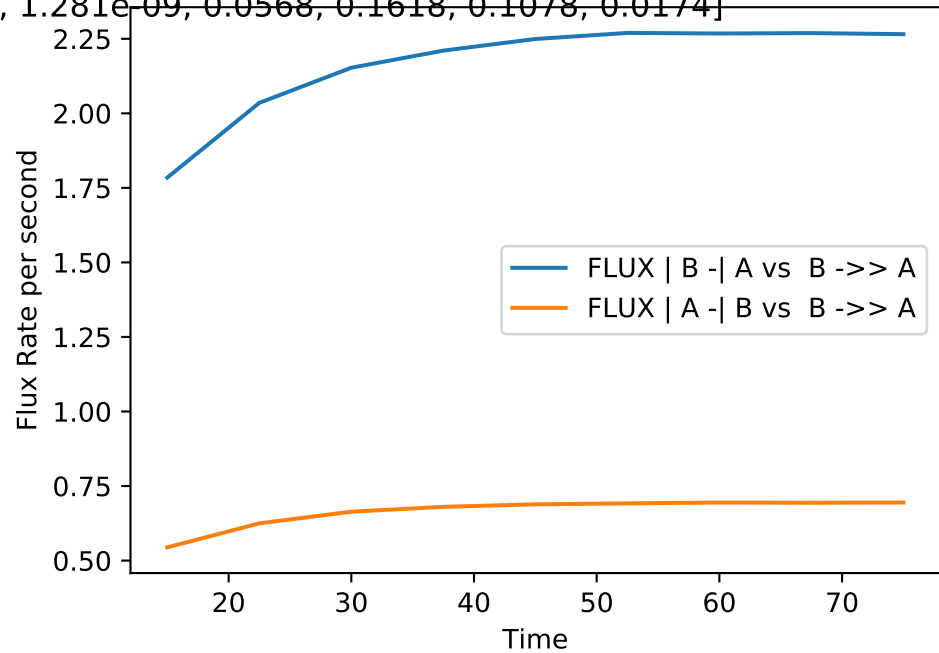
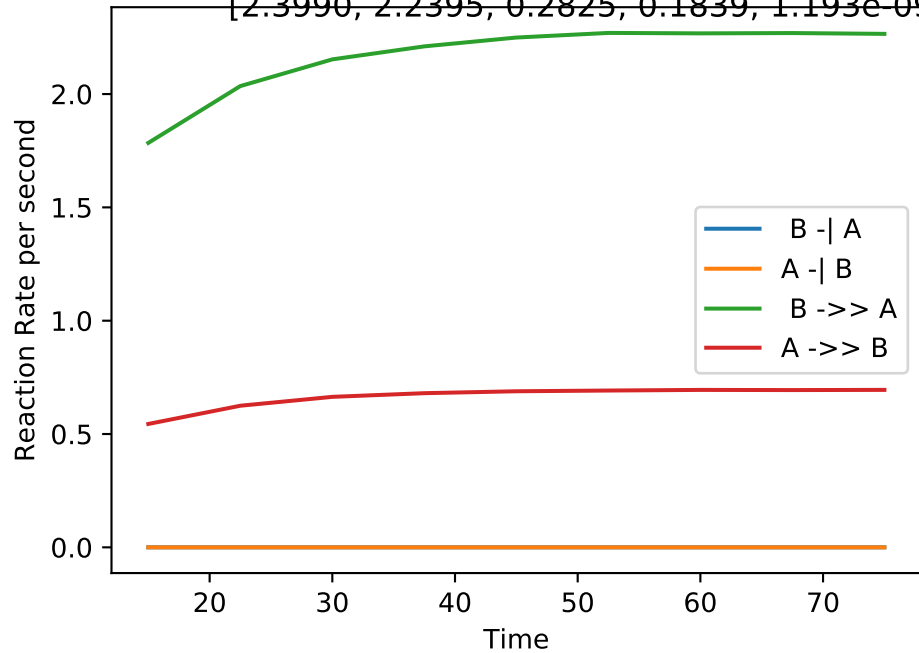
No_up | MB-LLS No_up(#113):

[2.2259, 2.2309, 0.2599, 0.1709, 1.048e-09, 2.282e-10, 0.0547, 0.1460, 0.0998, 0.0128]



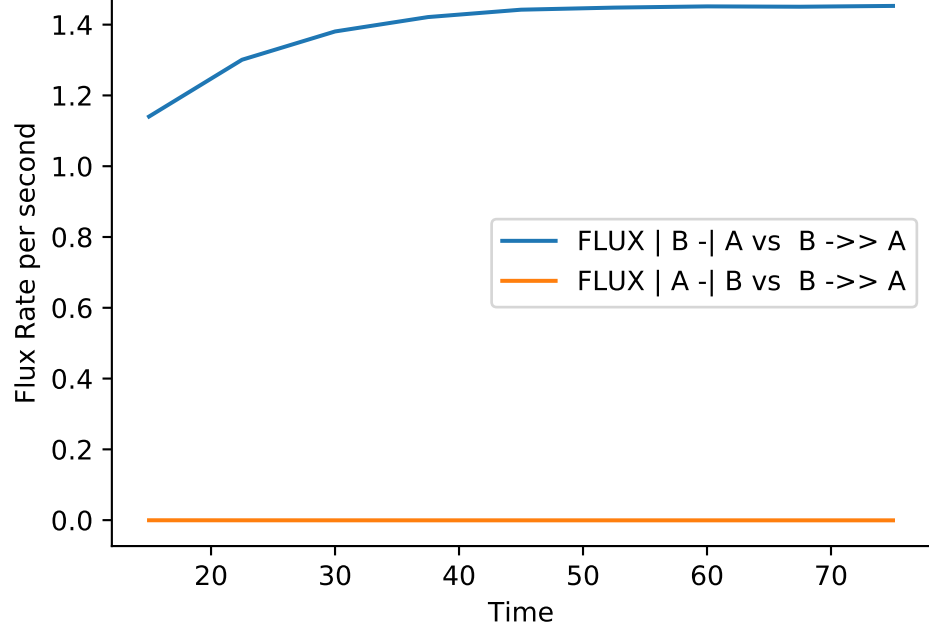
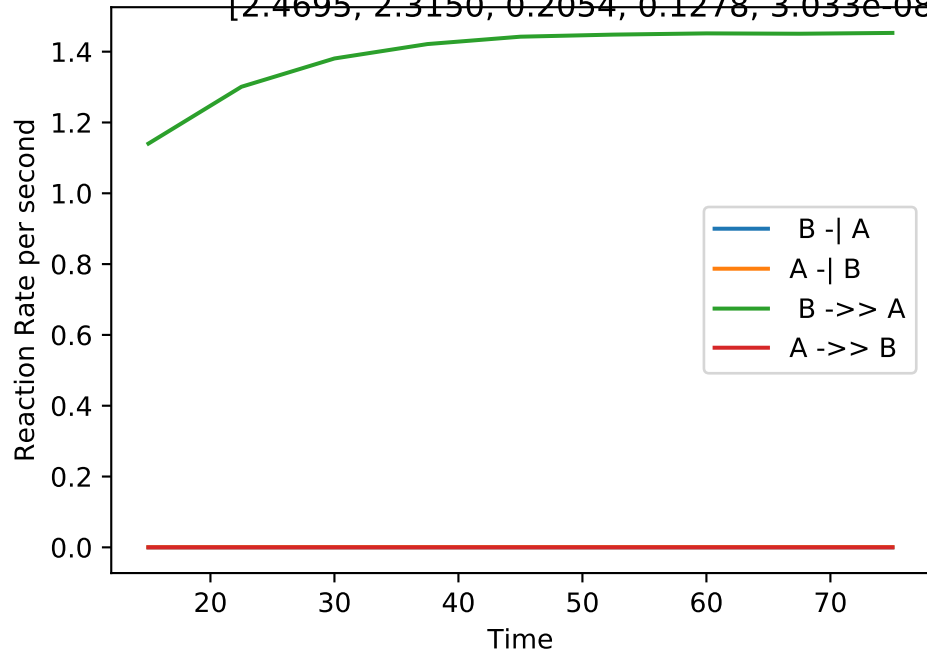
No_up | MB-LLS No_up(#114):

[2.3990, 2.2395, 0.2825, 0.1839, 1.193e-09, 1.281e-09, 0.0568, 0.1618, 0.1078, 0.0174]



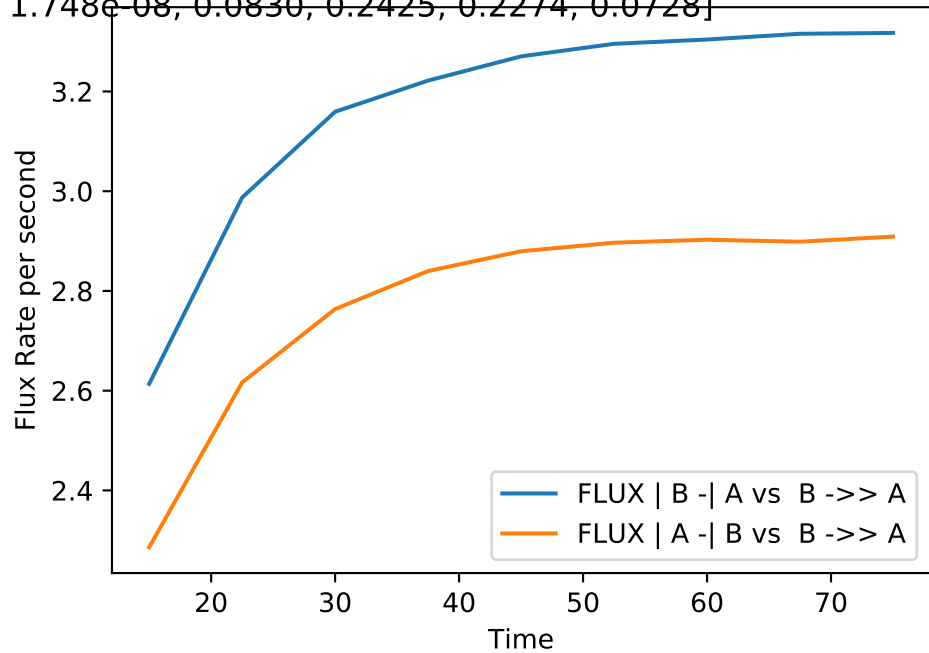
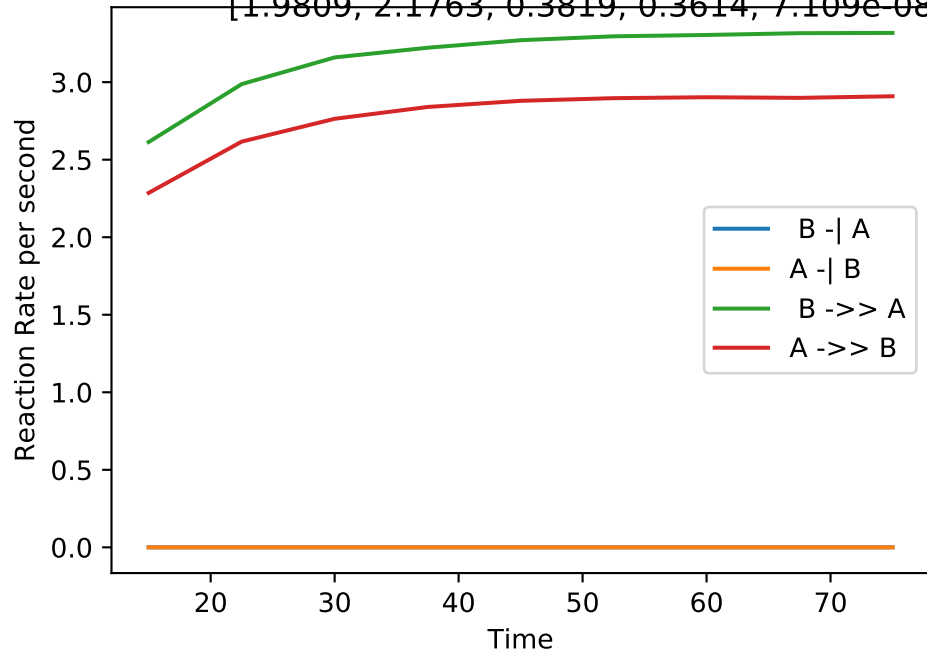
No_up | MB-LLS No_up(#115):

[2.4695, 2.3150, 0.2054, 0.1278, 3.033e-08, 3.756e-07, 0.0363, 0.1055, 0.0686, 0.0000]



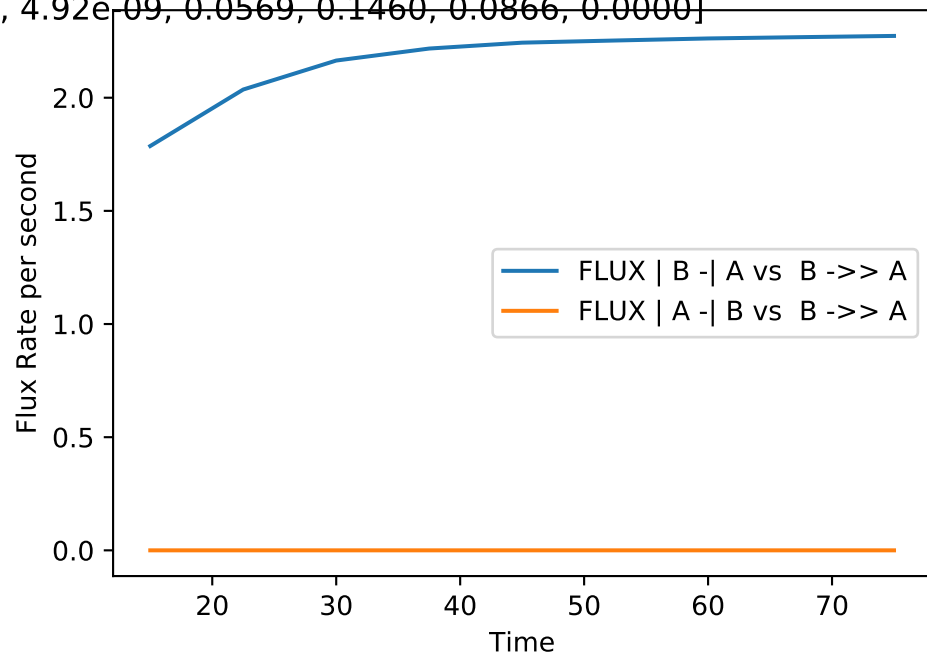
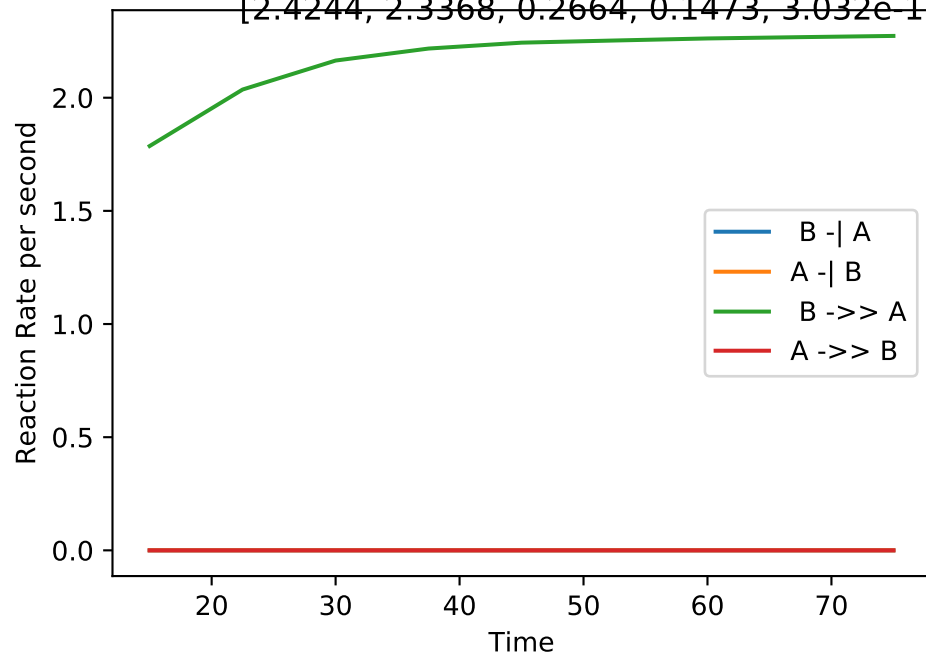
No_up | MB-LLS No_up(#116):

[1.9809, 2.1763, 0.3819, 0.3614, 7.109e-08, 1.748e-08, 0.0830, 0.2425, 0.2274, 0.0728]



No_up | MB-LLS No_up(#117):

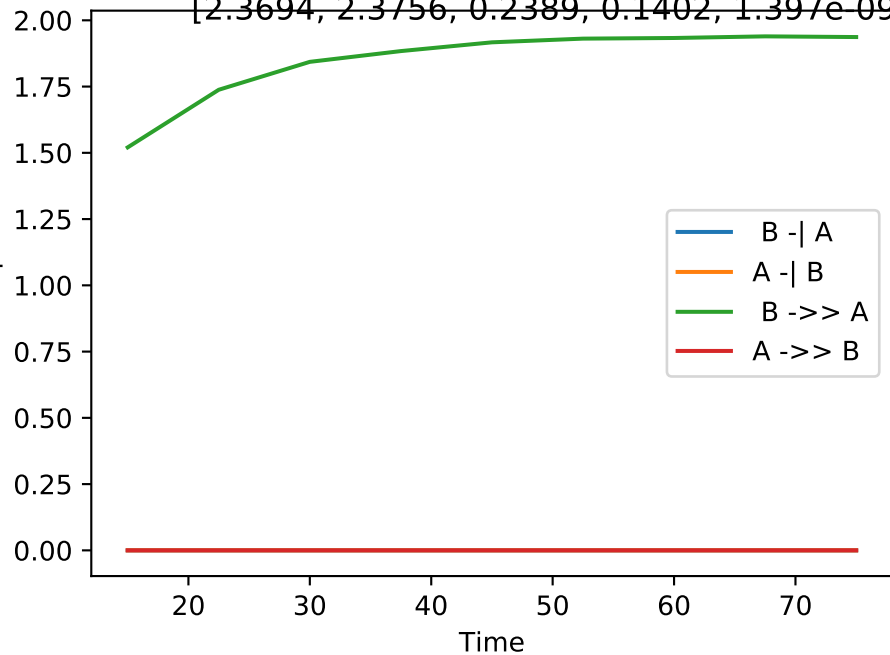
[2.4244, 2.3368, 0.2664, 0.1473, 3.032e-10, 4.92e-09, 0.0569, 0.1460, 0.0866, 0.0000]



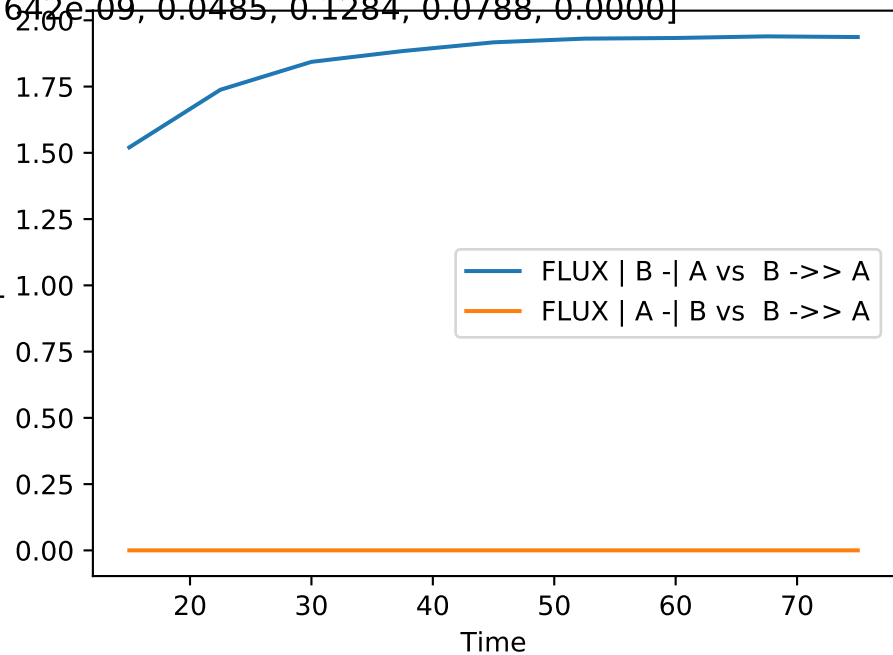
No_up | MB-LLS No_up(#118):

[2.3694, 2.3756, 0.2389, 0.1402, 1.397e-09, 1.642e-09, 0.0485, 0.1284, 0.0788, 0.0000]

Reaction Rate per second

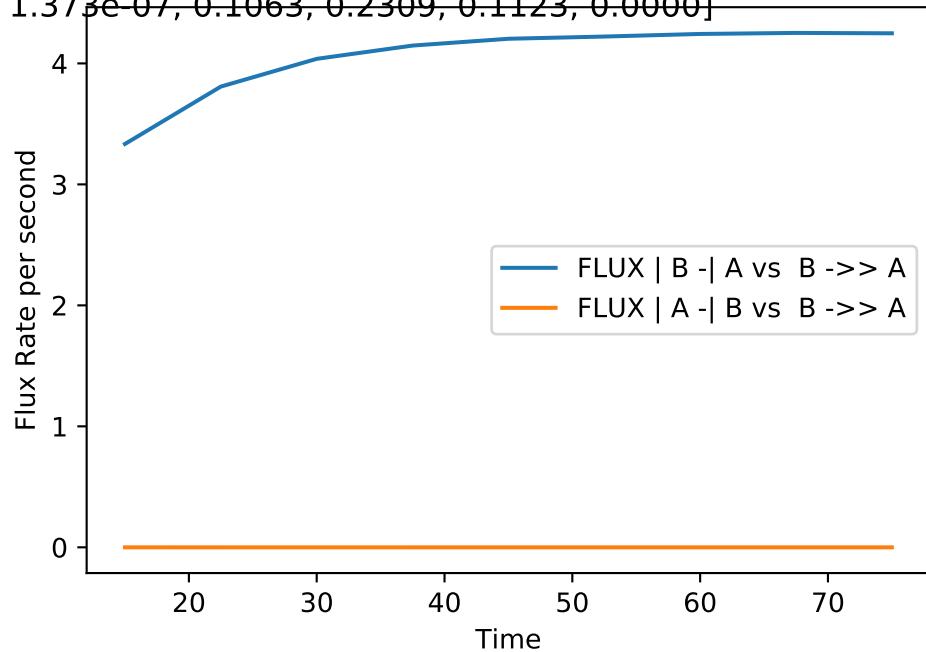
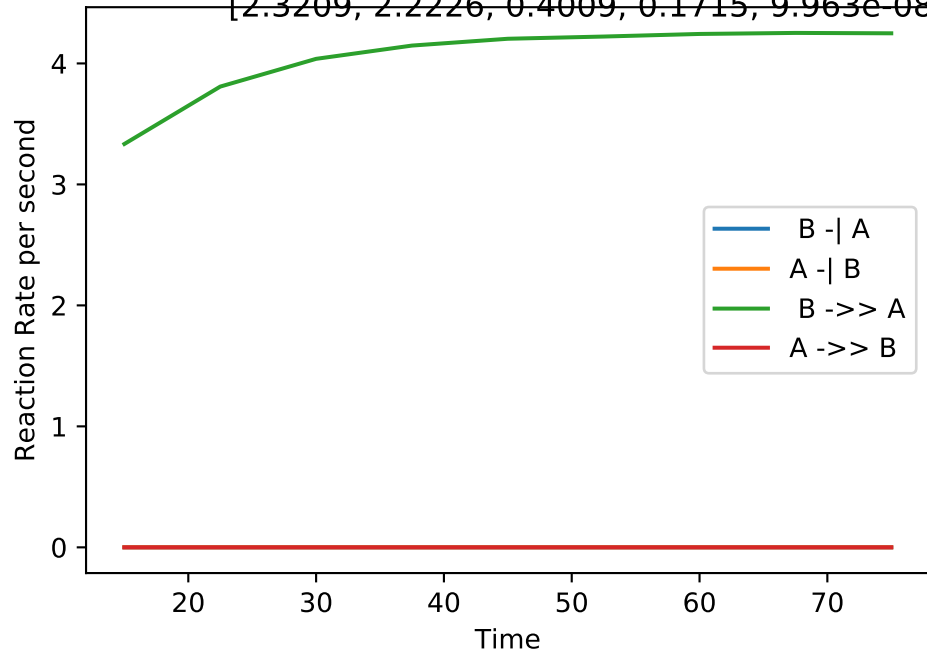


Flux Rate per second



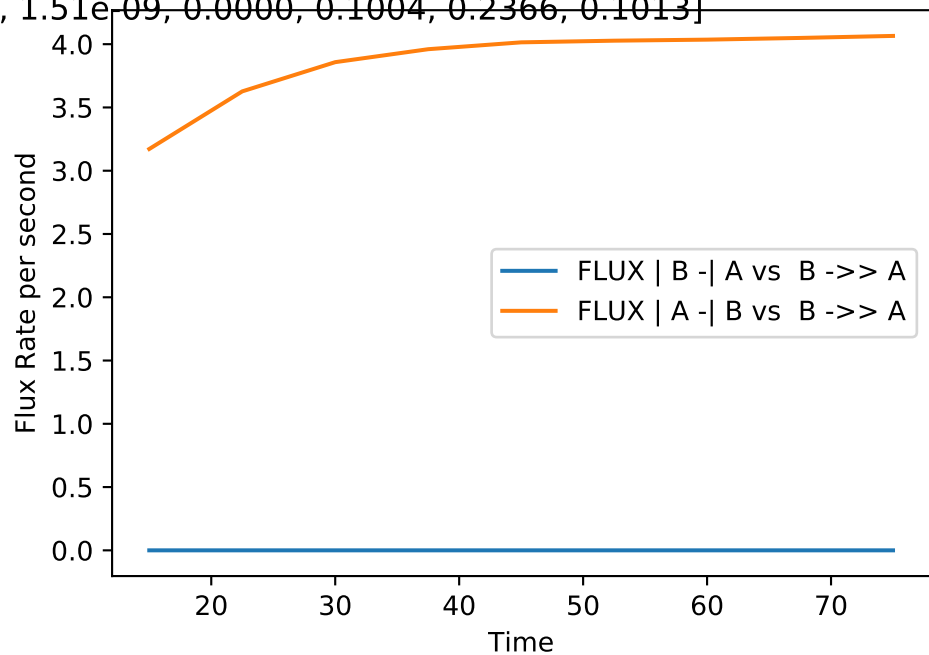
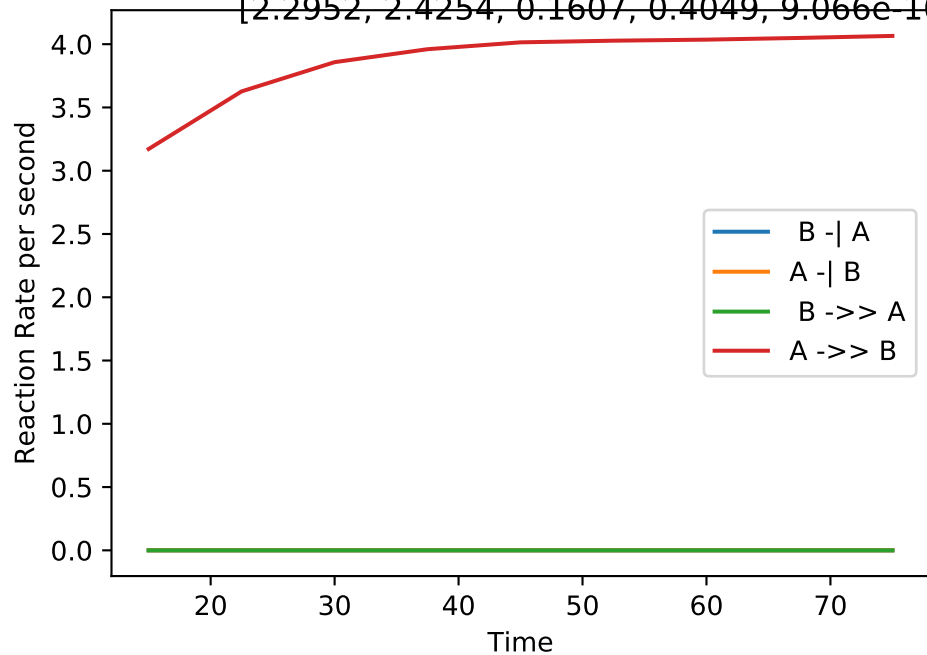
No_up | MB-LLS No_up(#119):

[2.3209, 2.2226, 0.4009, 0.1715, 9.963e-08, 1.373e-07, 0.1063, 0.2309, 0.1123, 0.0000]



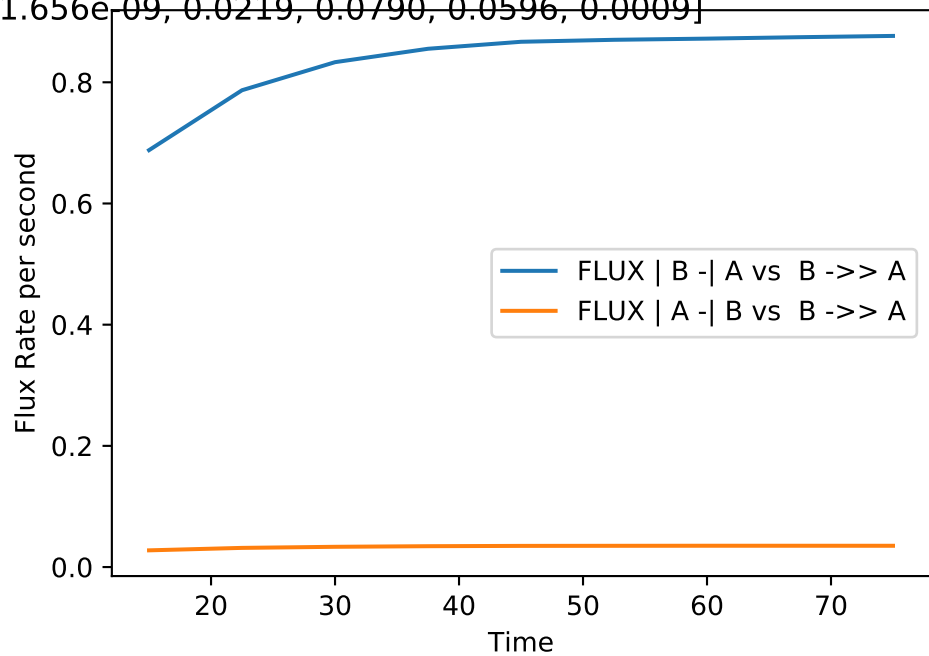
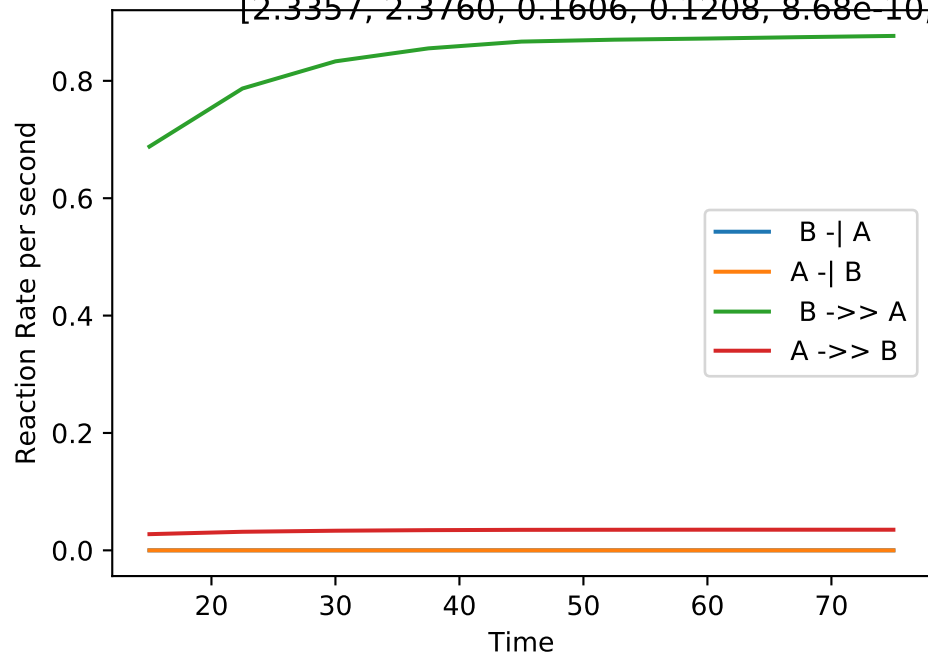
No_up | MB-LLS No_up(#120):

[2.2952, 2.4254, 0.1607, 0.4049, 9.066e-10, 1.51e-09, 0.0000, 0.1004, 0.2366, 0.1013]



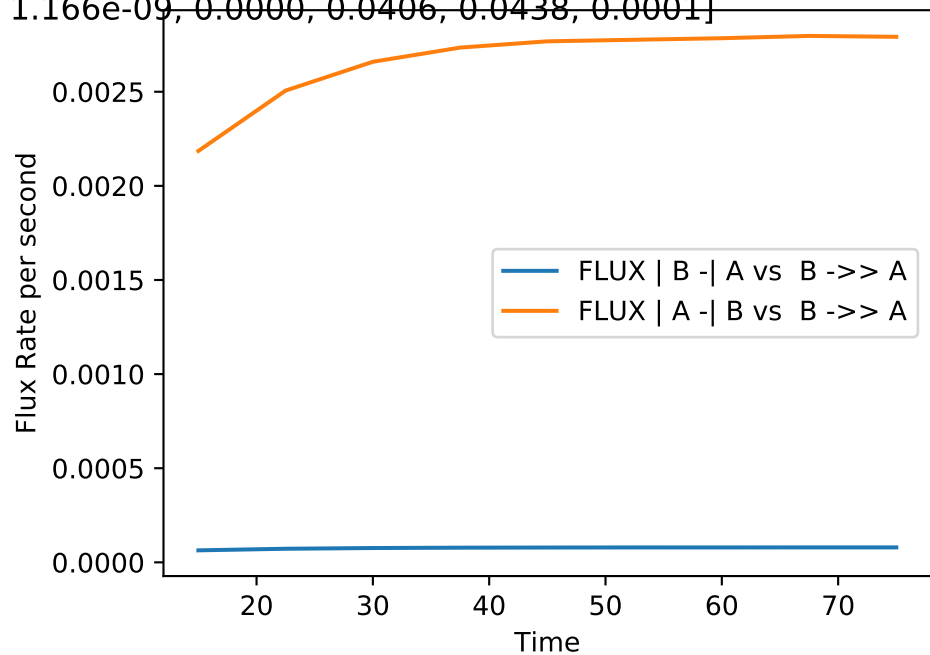
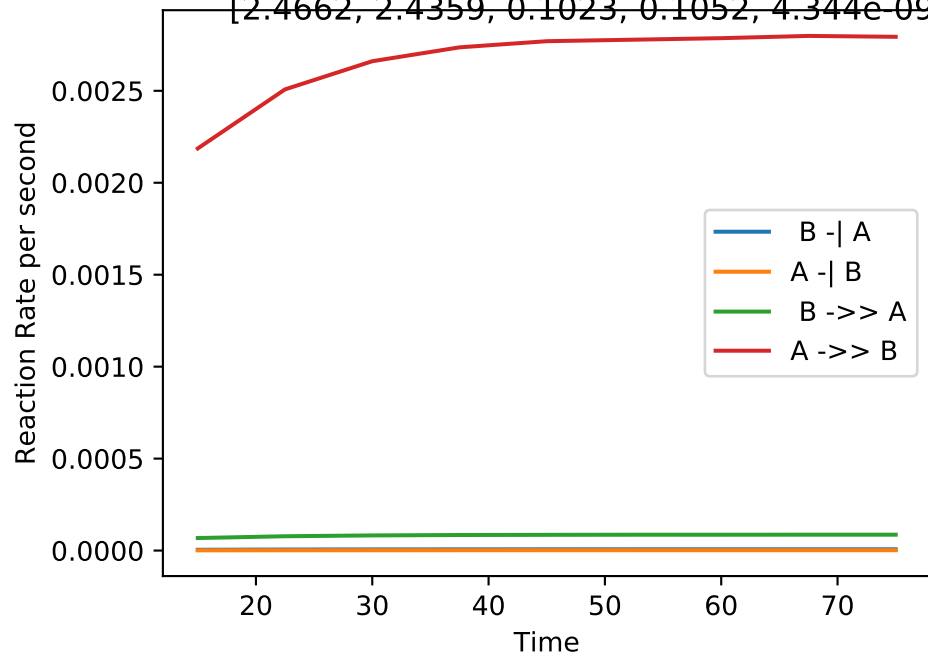
No_up | MB-LLS No_up(#121):

[2.3357, 2.3760, 0.1606, 0.1208, 8.68e-10, 1.656e-09, 0.0219, 0.0790, 0.0596, 0.0009]



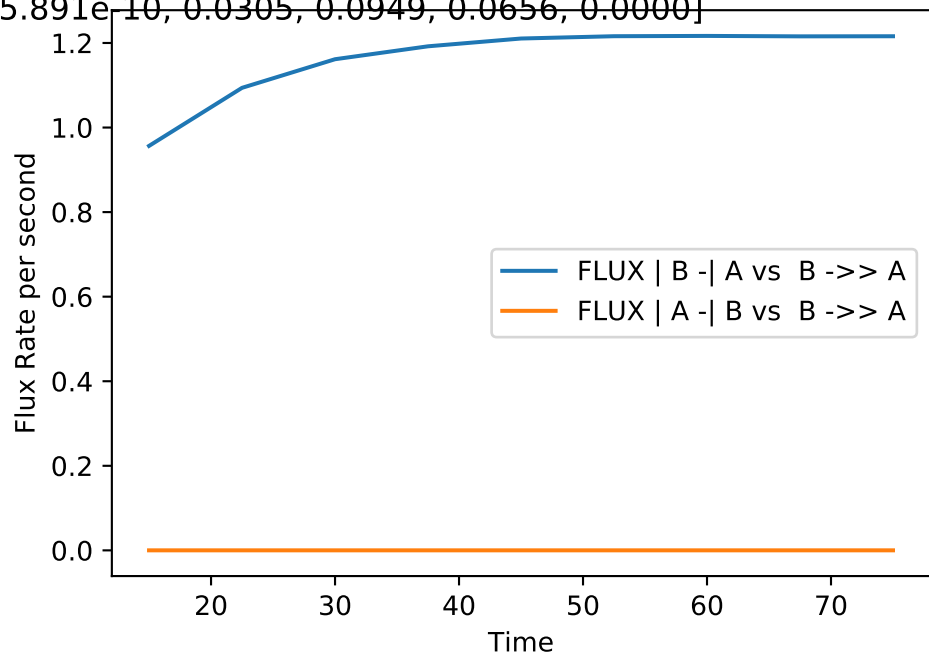
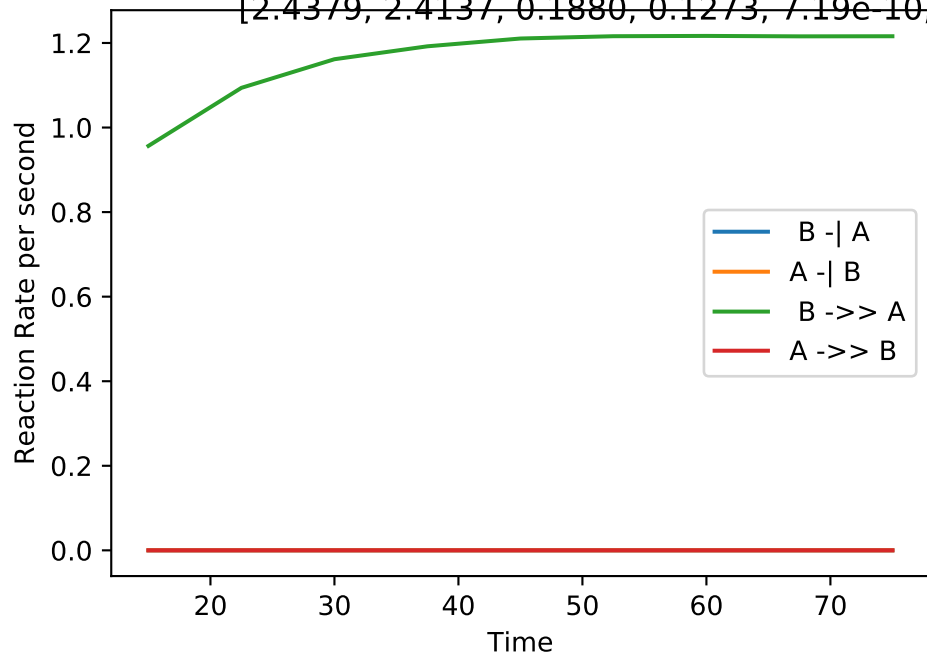
No_up | MB-LLS No_up(#122):

[2.4662, 2.4359, 0.1023, 0.1052, 4.344e-09, 1.166e-09, 0.0000, 0.0406, 0.0438, 0.0001]



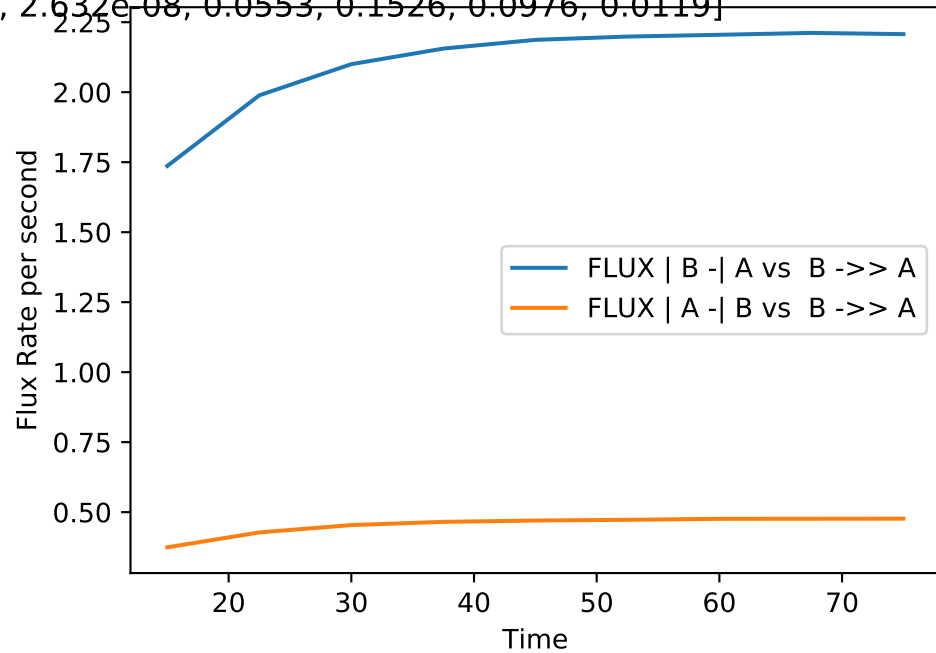
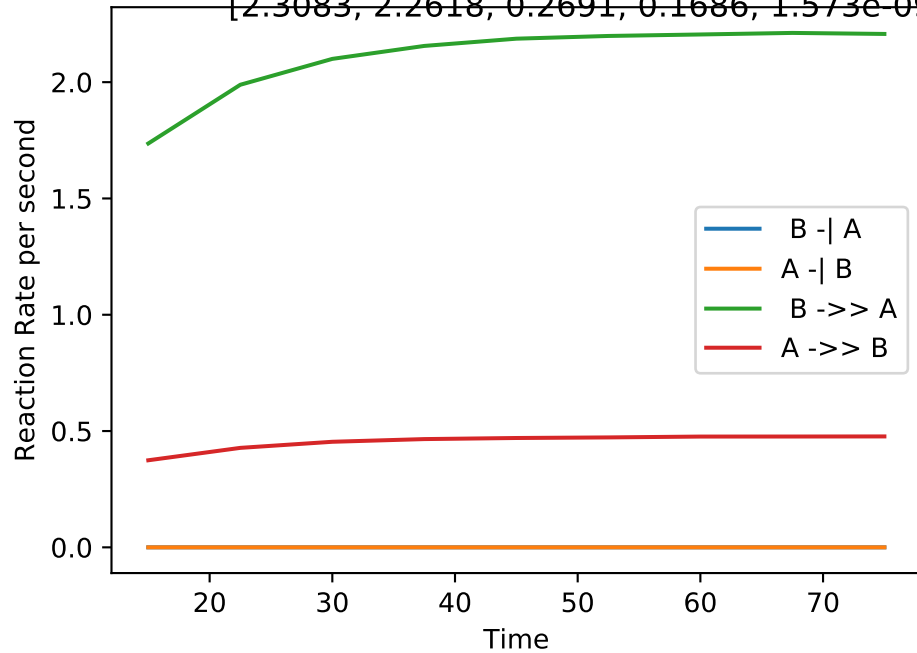
No_up | MB-LLS No_up(#123):

[2.4379, 2.4137, 0.1880, 0.1273, 7.19e-10, 5.891e-10, 0.0305, 0.0949, 0.0656, 0.0000]



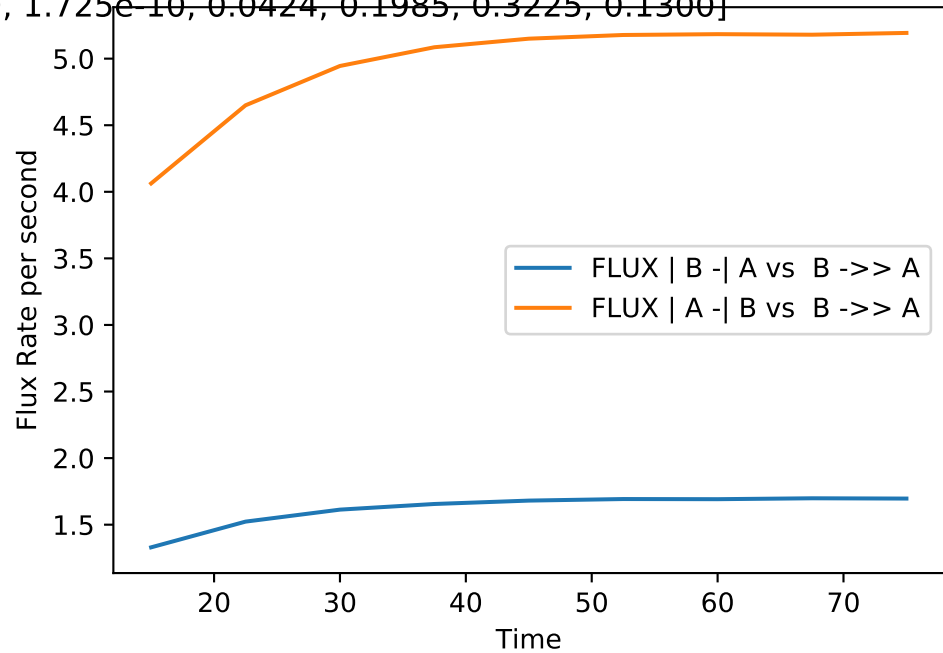
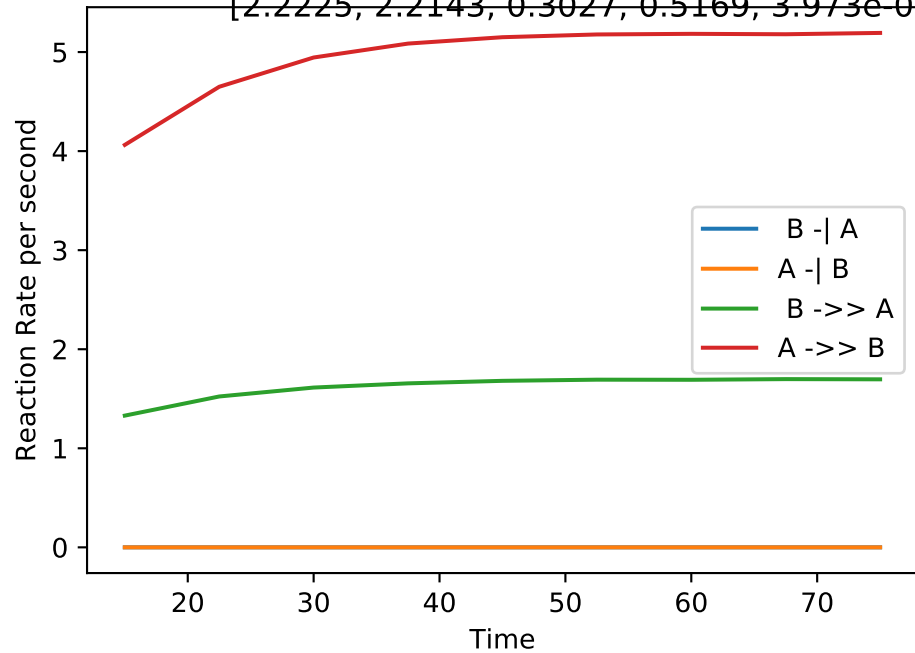
No_up | MB-LLS No_up(#124):

[2.3083, 2.2618, 0.2691, 0.1686, 1.573e-09, 2.632e-08, 0.0553, 0.1526, 0.0976, 0.0119]



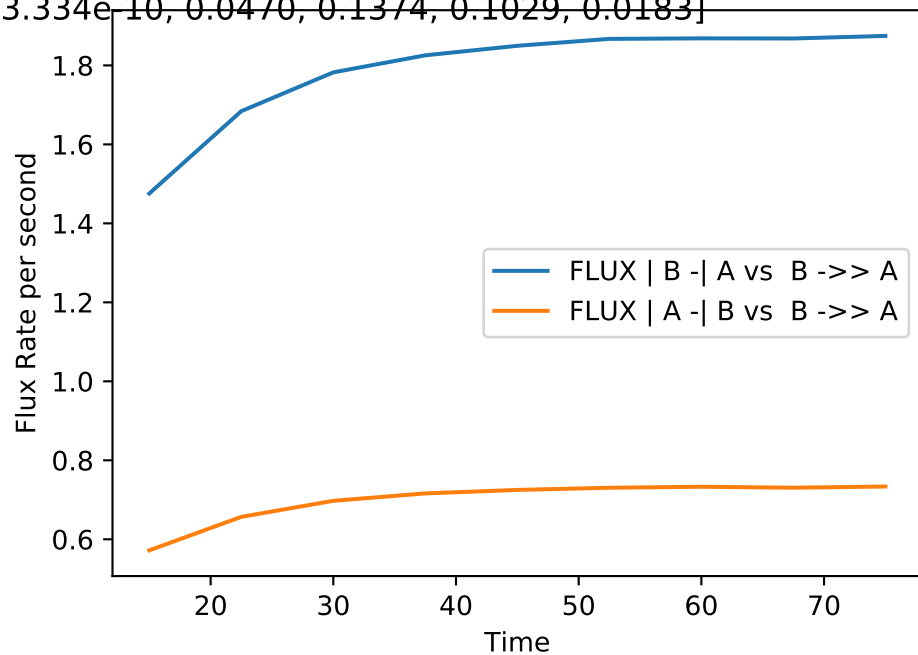
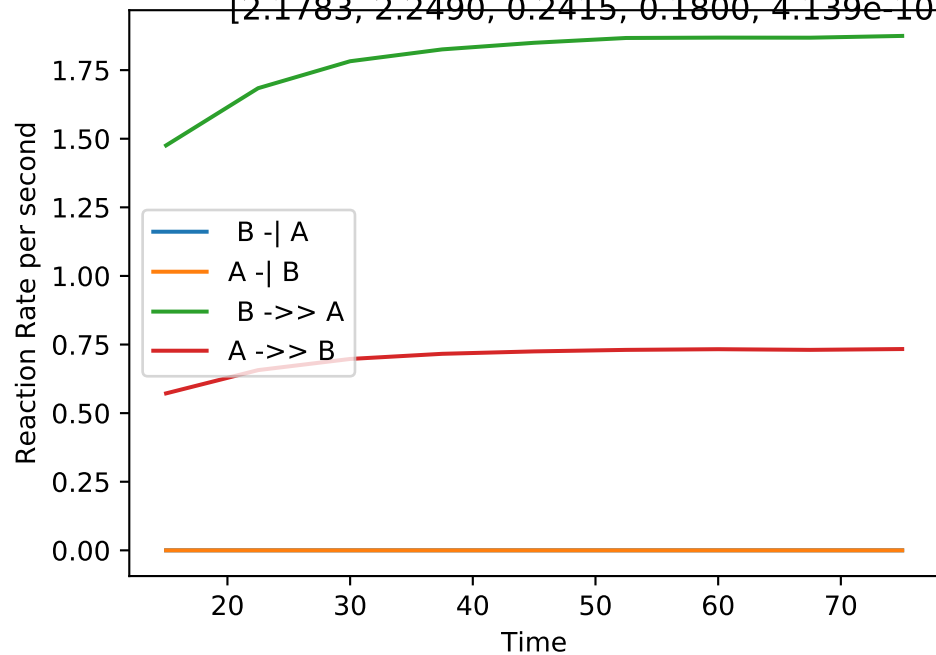
No_up | MB-LLS No_up(#125):

[2.2225, 2.2143, 0.3027, 0.5169, 3.973e-09, 1.725e-10, 0.0424, 0.1985, 0.3225, 0.1300]



No_up | MB-LLS No_up(#126):

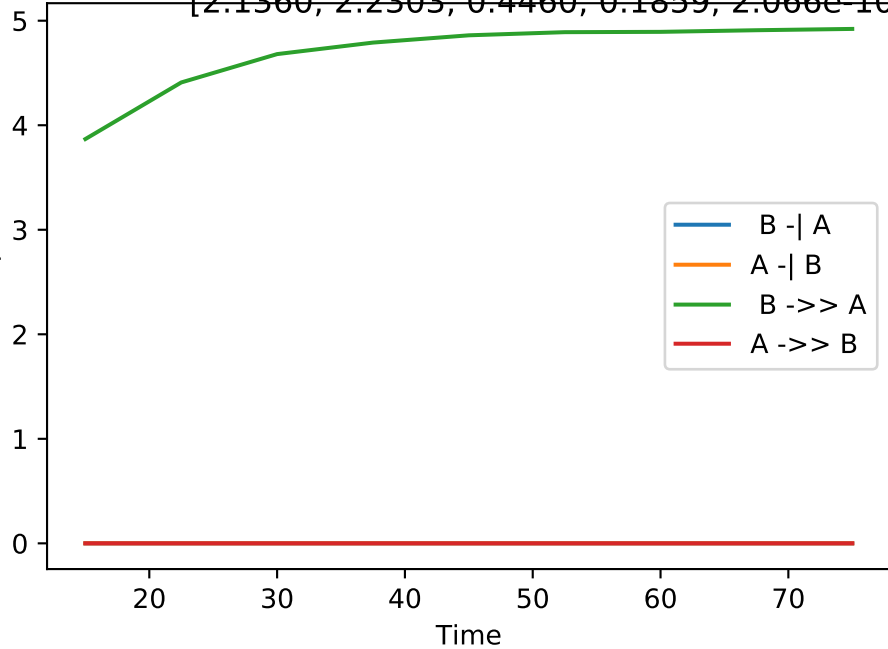
[2.1783, 2.2490, 0.2415, 0.1800, 4.139e-10, 3.334e-10, 0.0470, 0.1374, 0.1029, 0.0183]



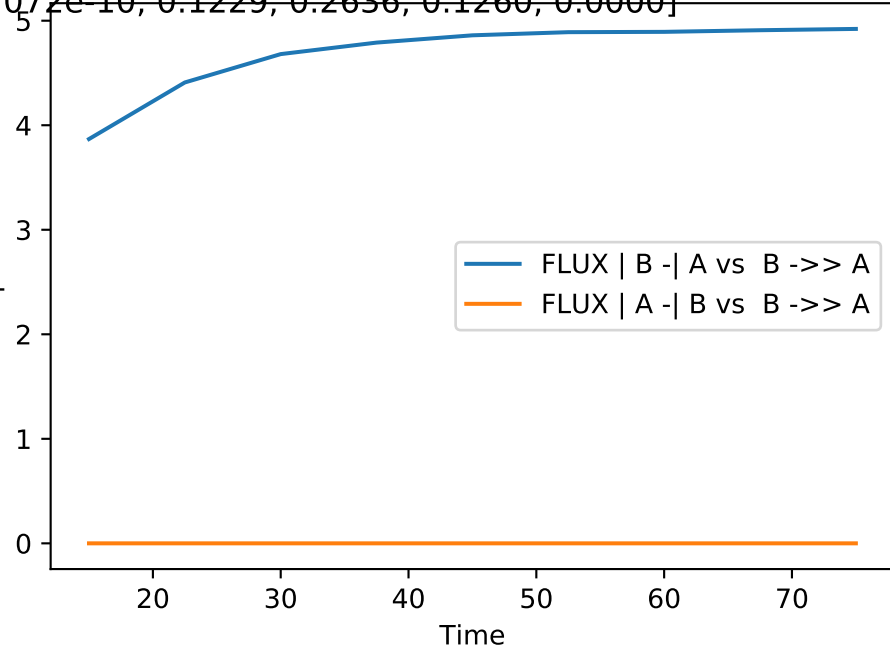
No_up | MB-LLS No_up(#127):

[2.1360, 2.2303, 0.4460, 0.1859, 2.066e-10, 3.072e-10, 0.1229, 0.2636, 0.1260, 0.0000]

Reaction Rate per second

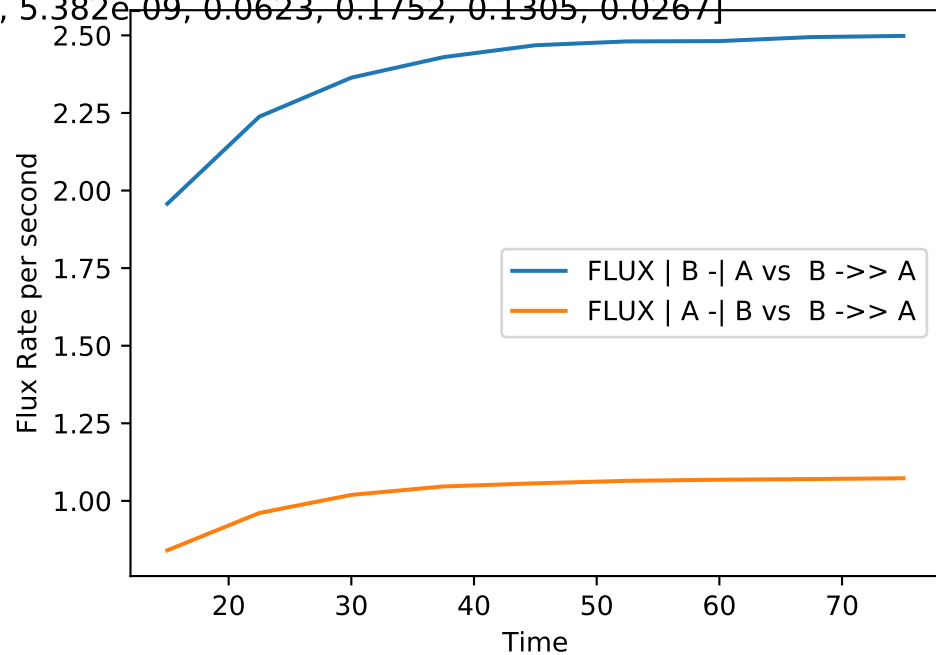
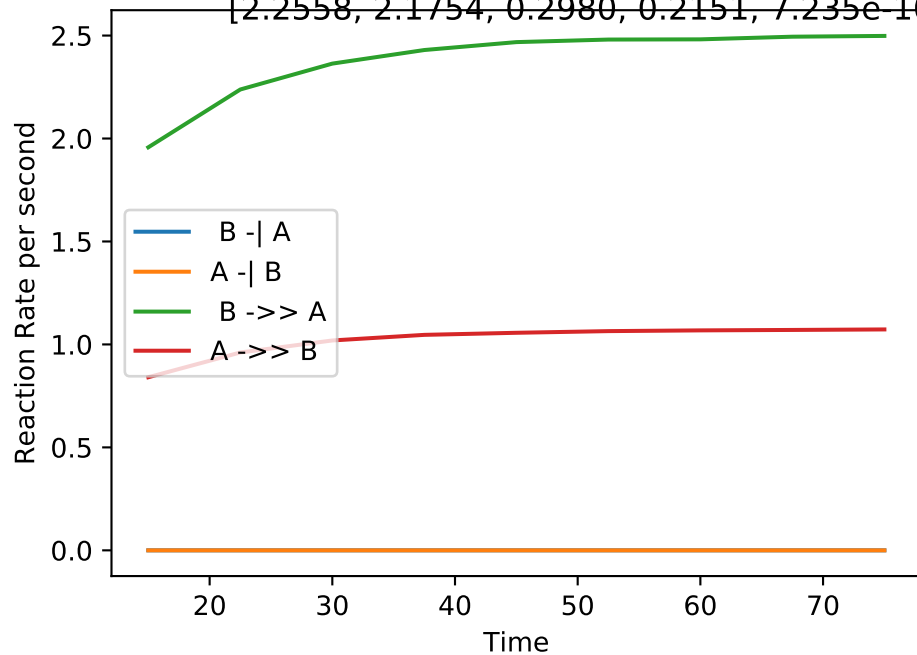


Flux Rate per second



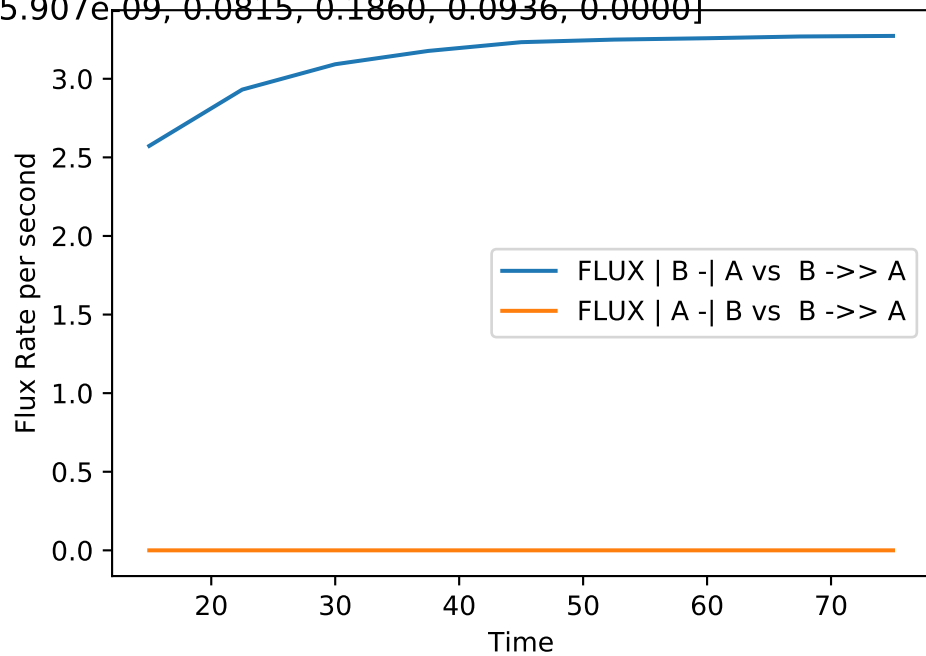
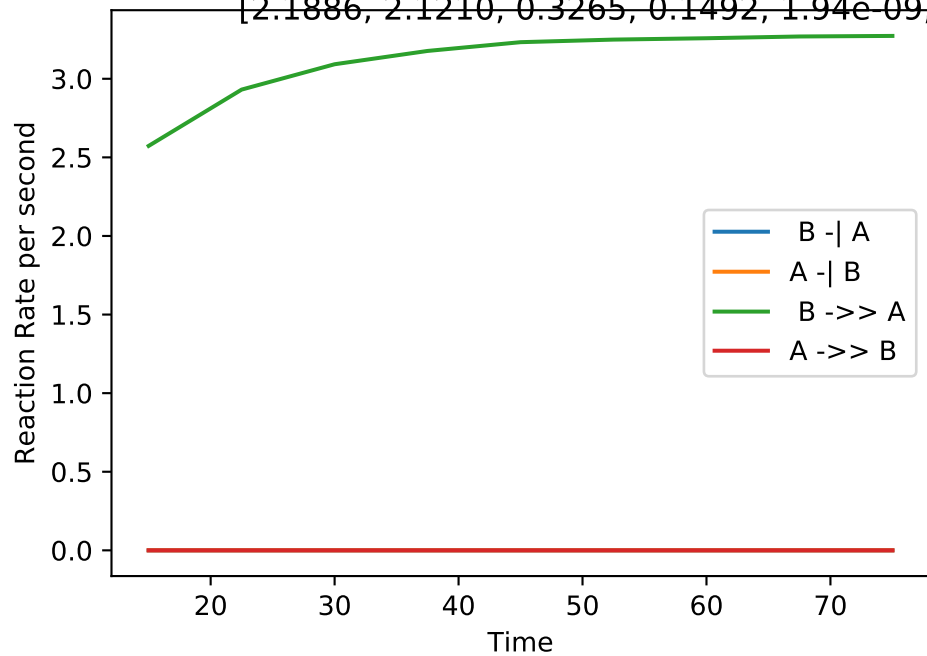
No_up | MB-LLS No_up(#128):

[2.2558, 2.1754, 0.2980, 0.2151, 7.235e-10, 5.382e-09, 0.0623, 0.1752, 0.1305, 0.0267]



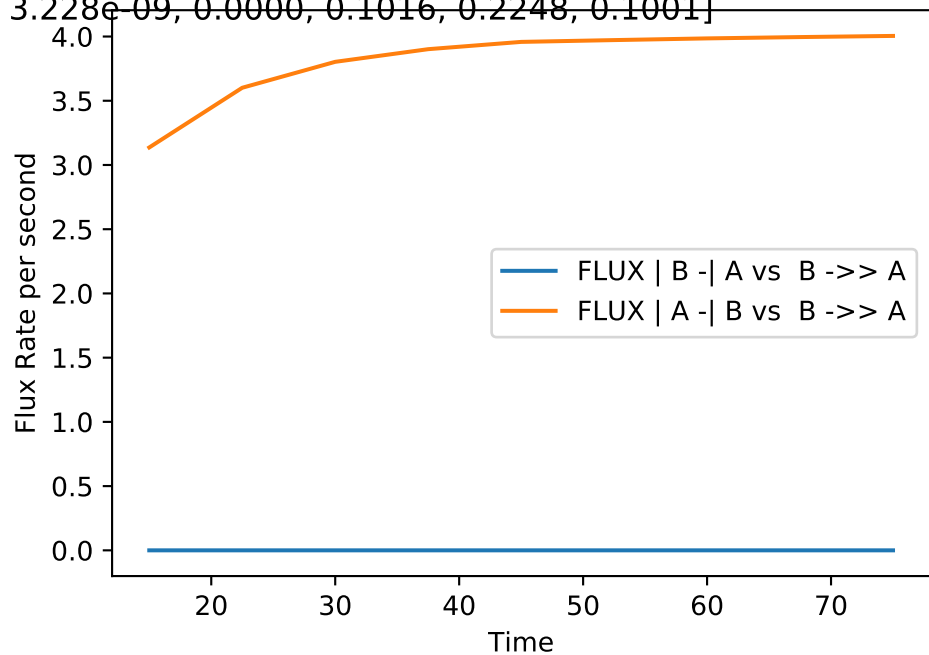
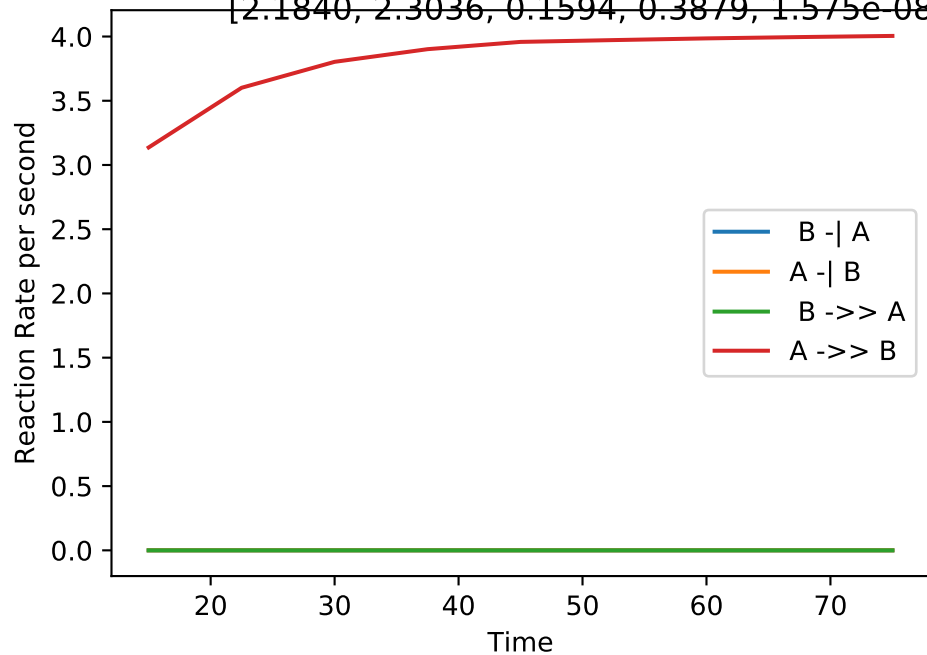
No_up | MB-LLS No_up(#129):

[2.1886, 2.1210, 0.3265, 0.1492, 1.94e-09, 5.907e-09, 0.0815, 0.1860, 0.0936, 0.0000]



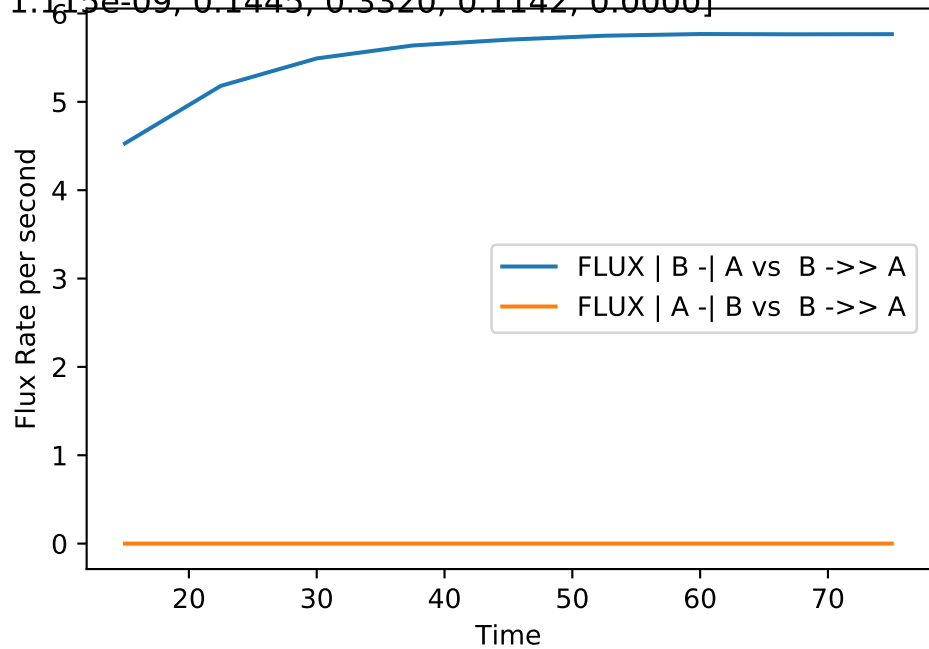
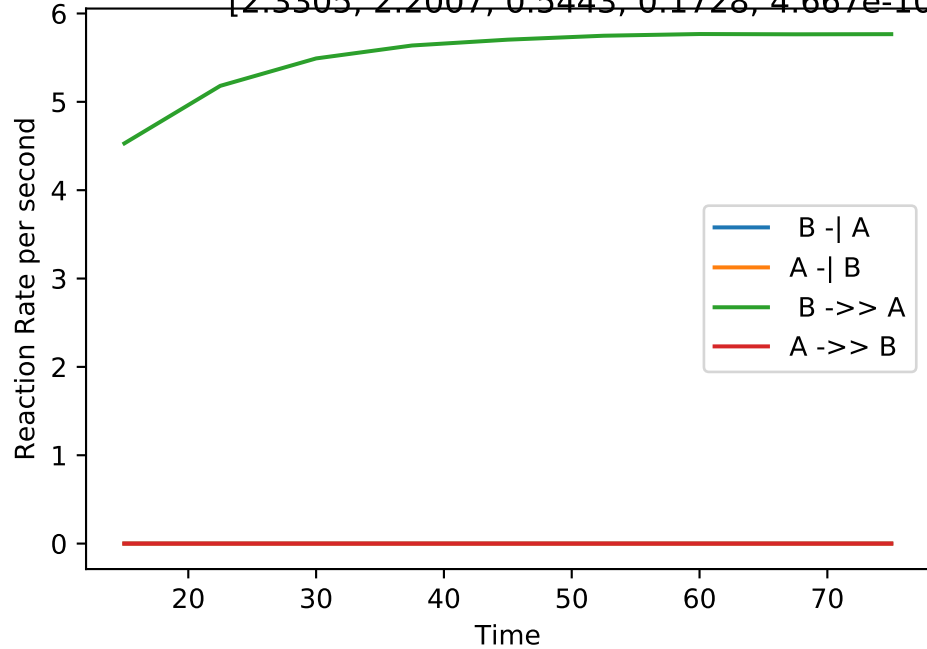
No_up | MB-LLS No_up(#130):

[2.1840, 2.3036, 0.1594, 0.3879, 1.575e-08, 3.228e-09, 0.0000, 0.1016, 0.2248, 0.1001]



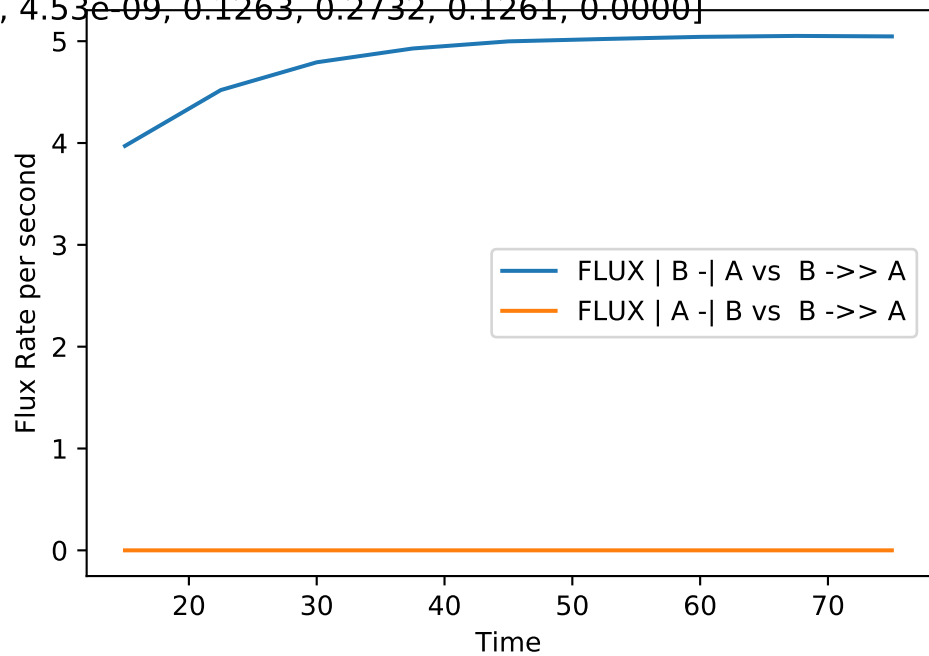
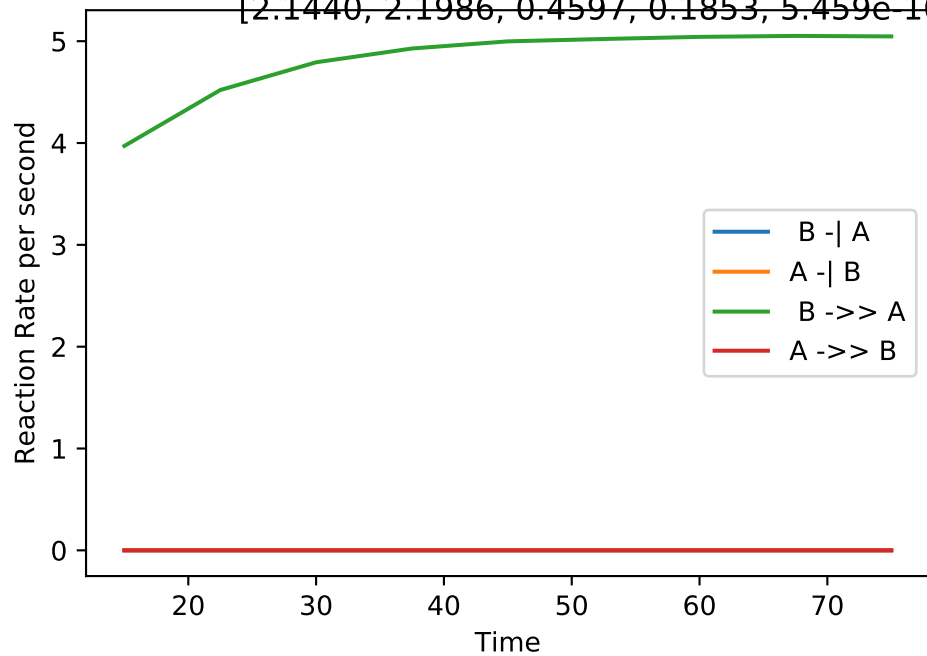
No_up | MB-LLS No_up(#131):

[2.3305, 2.2007, 0.5443, 0.1728, 4.667e-10, 1.115e-09, 0.1445, 0.3320, 0.1142, 0.0000]



No_up | MB-LLS No_up(#132):

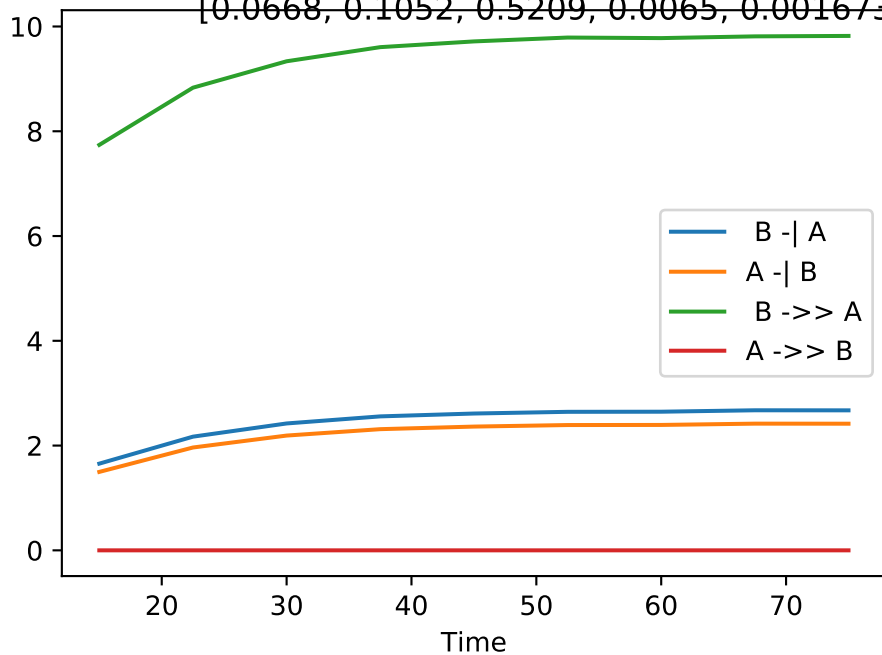
[2.1440, 2.1986, 0.4597, 0.1853, 5.459e-10, 4.53e-09, 0.1263, 0.2732, 0.1261, 0.0000]



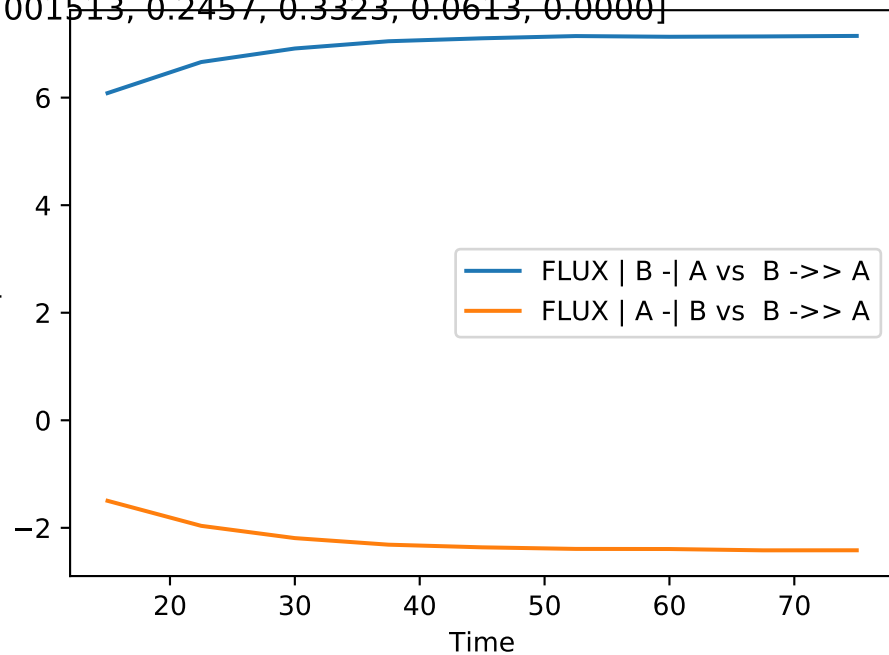
No_up | MB-LLS No_up(#133):

[0.0668, 0.1052, 0.5209, 0.0065, 0.001673, 0.001513, 0.2457, 0.3323, 0.0613, 0.0000]

Reaction Rate per second

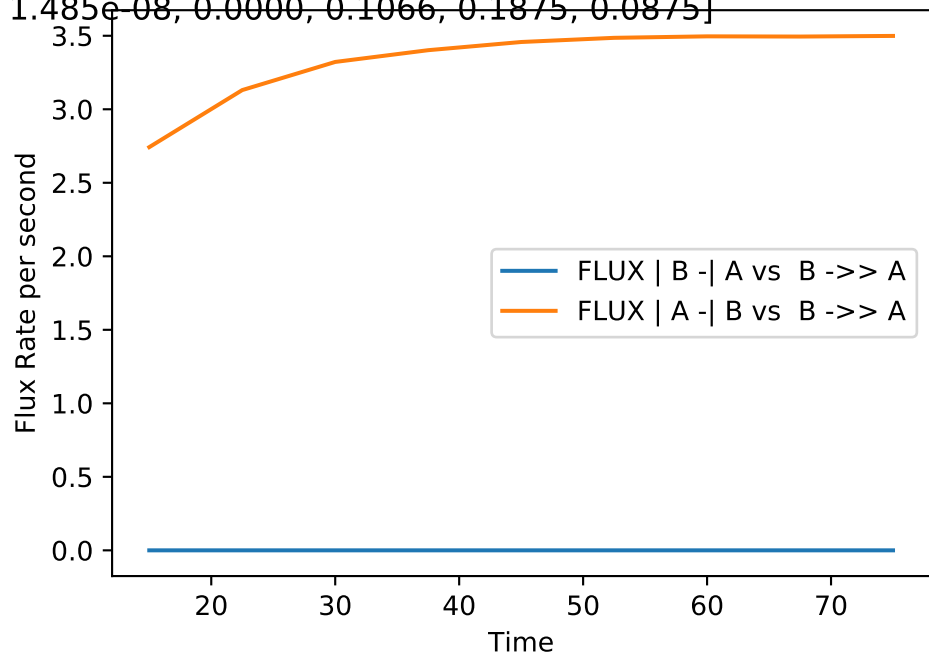
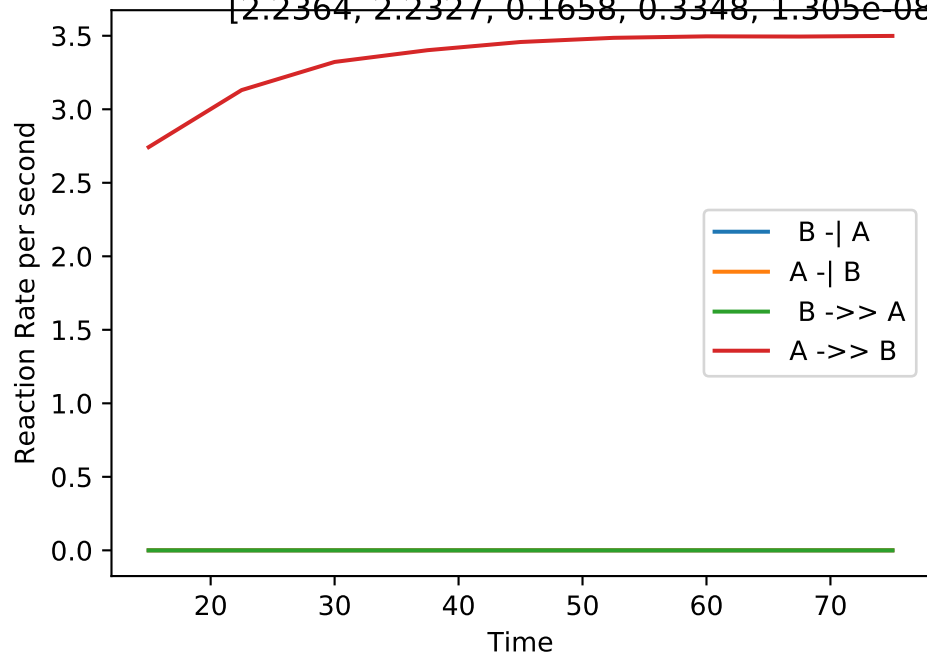


Flux Rate per second



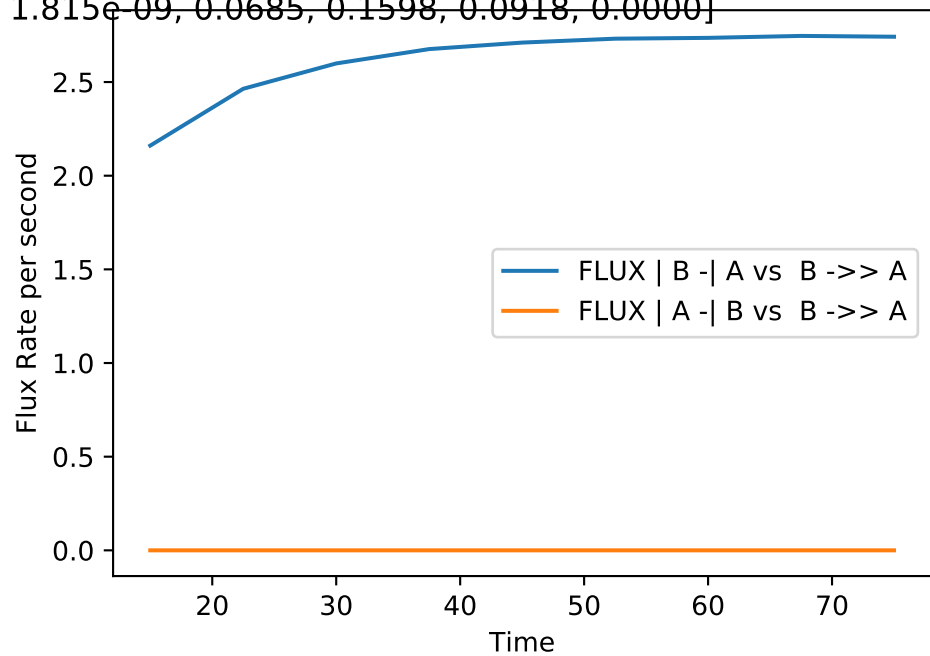
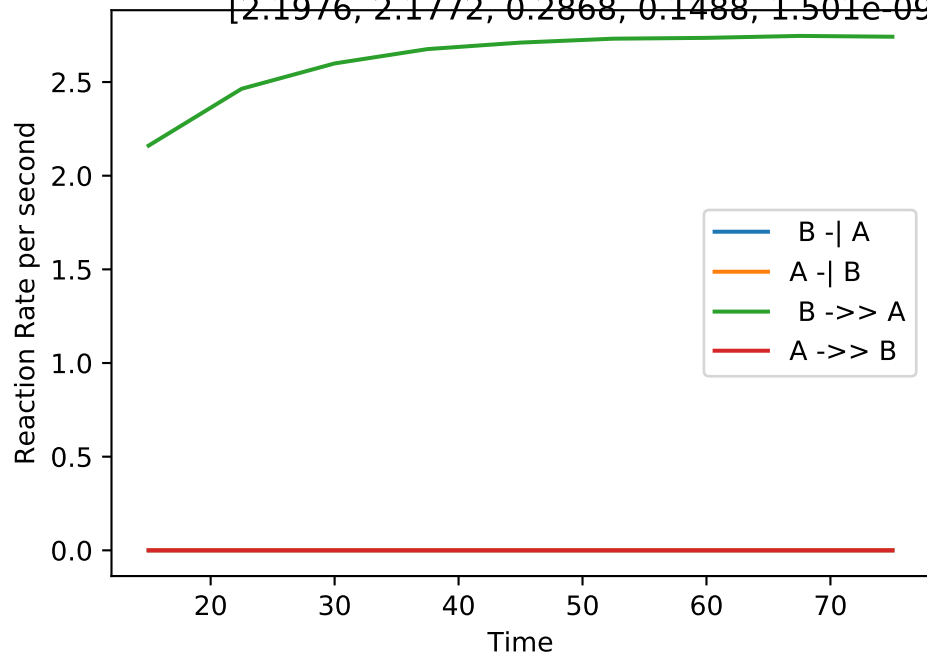
No_up | MB-LLS No_up(#134):

[2.2364, 2.2327, 0.1658, 0.3348, 1.305e-08, 1.485e-08, 0.0000, 0.1066, 0.1875, 0.0875]



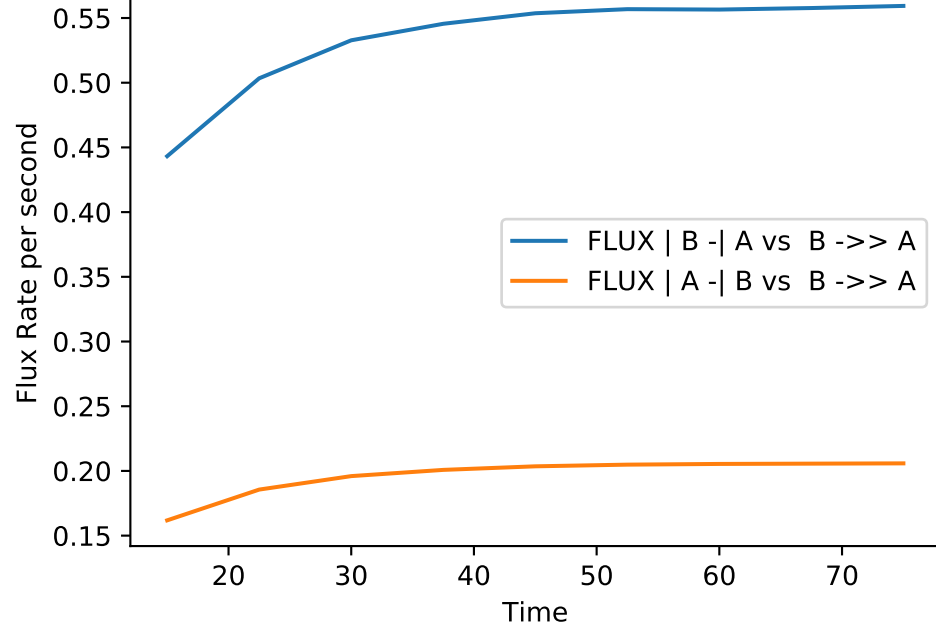
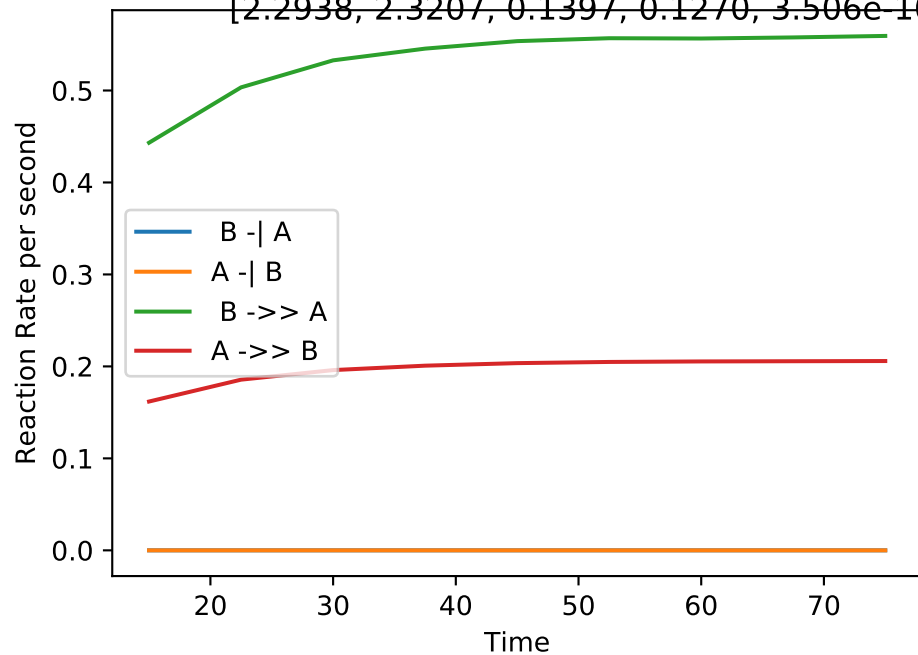
No_up | MB-LLS No_up(#135):

[2.1976, 2.1772, 0.2868, 0.1488, 1.501e-09, 1.815e-09, 0.0685, 0.1598, 0.0918, 0.0000]



No_up | MB-LLS No_up(#136):

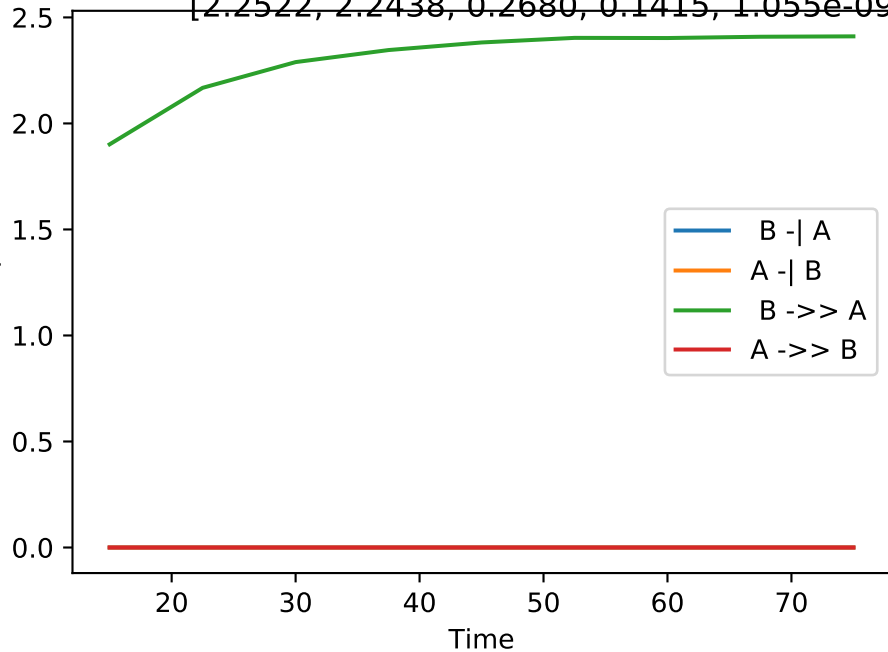
[2.2938, 2.3207, 0.1397, 0.1270, 3.506e-10, 2.453e-10, 0.0140, 0.0673, 0.0629, 0.0052]



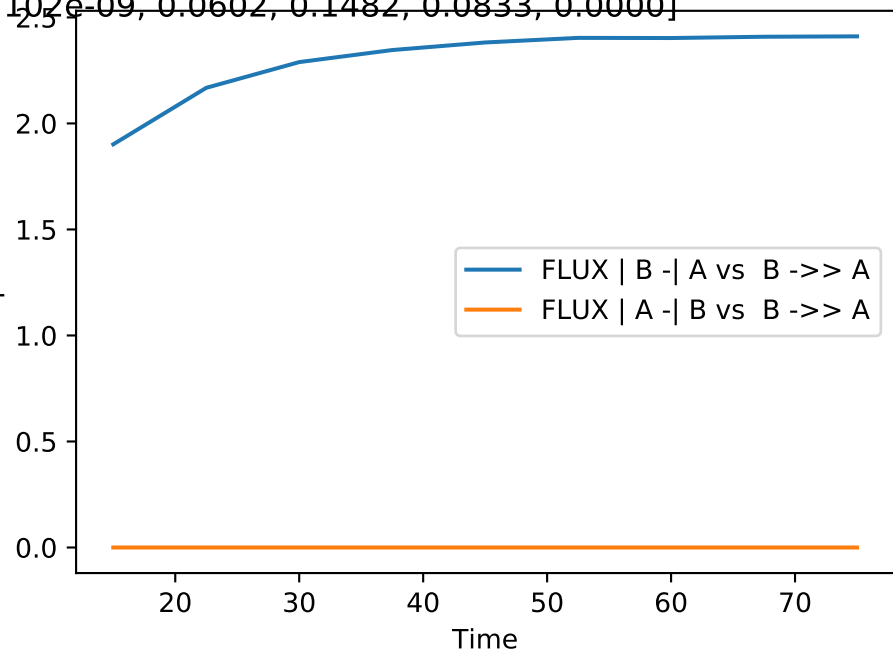
No_up | MB-LLS No_up(#137):

[2.2522, 2.2438, 0.2680, 0.1415, 1.055e-09, 5.102e-09, 0.0602, 0.1482, 0.0833, 0.0000]

Reaction Rate per second

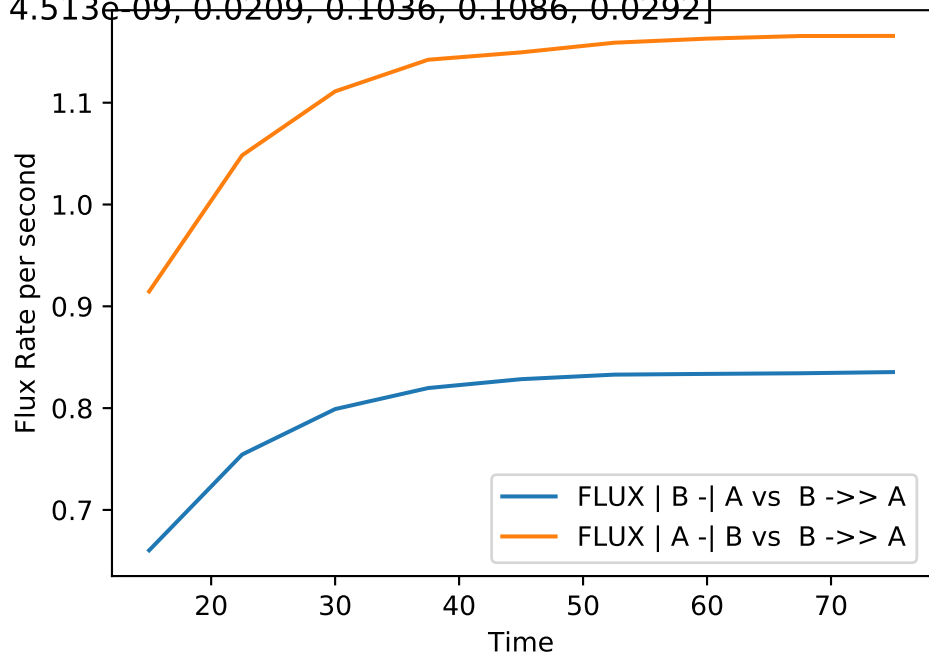
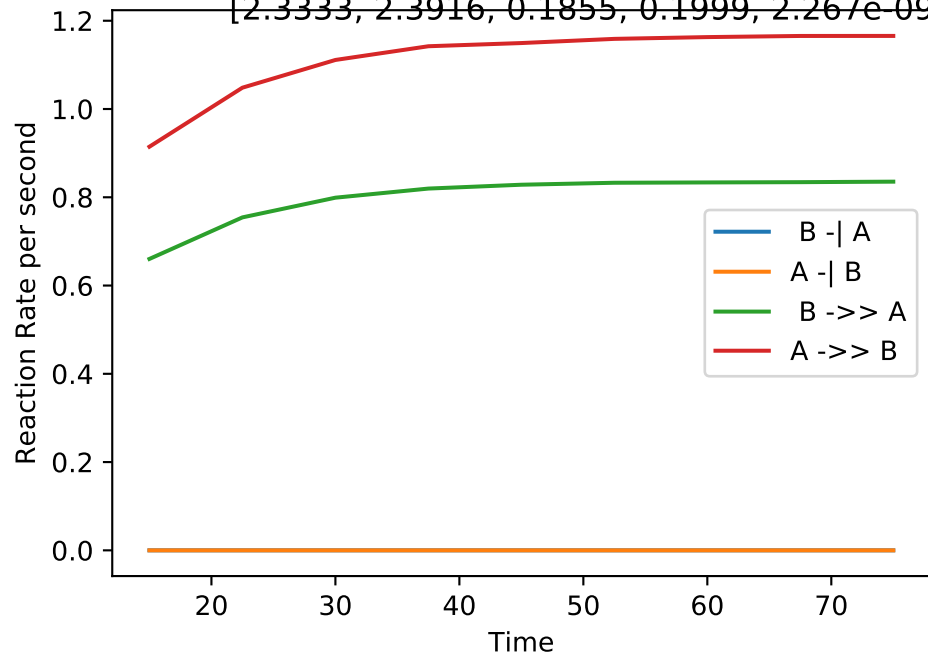


Flux Rate per second



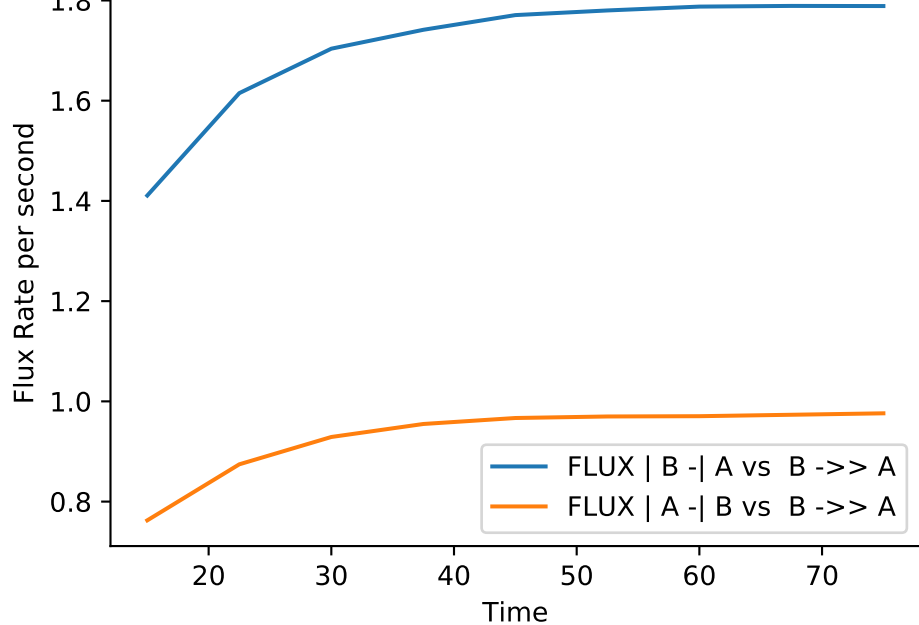
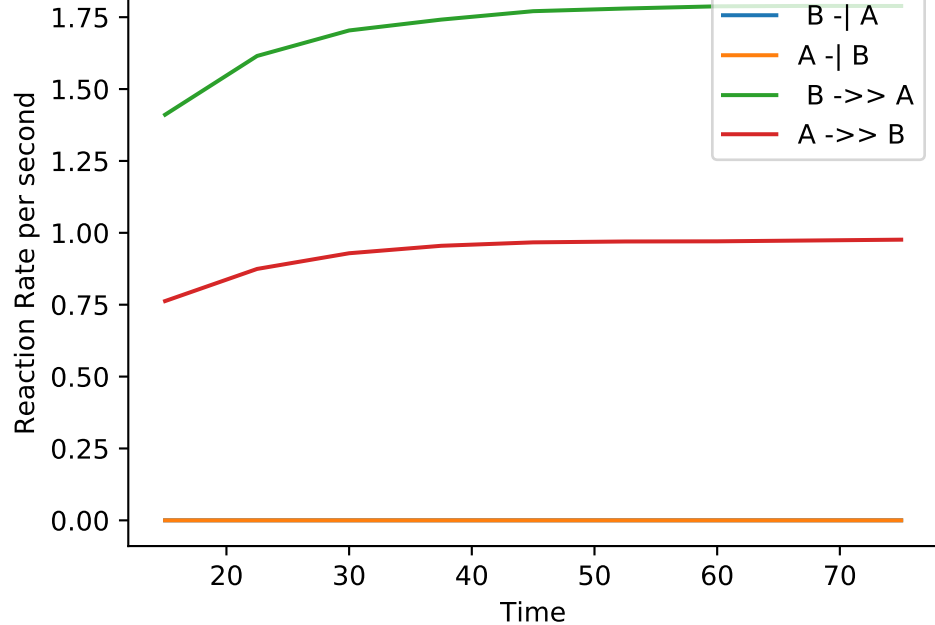
No_up | MB-LLS No_up(#138):

[2.3333, 2.3916, 0.1855, 0.1999, 2.267e-09, 4.513e-09, 0.0209, 0.1036, 0.1086, 0.0292]



No_up | MB-LLS No_up(#139):

[2.2925, 2.2242, 0.2456, 0.2014, 5.421e-08, 2.375e-08, 0.0448, 0.1403, 0.1184, 0.0244]



No_up | MB-LLS No_up(#140):

[2.4678, 2.2745, 0.2514, 0.1445, -1.367e-09, 9.662e-09, 0.0533, 0.1338, 0.0852, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

20

30

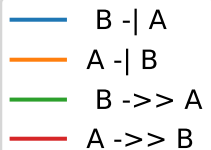
40

50

60

70

Time



Flux Rate per second

2.0
1.5
1.0
0.5
0.0

20

30

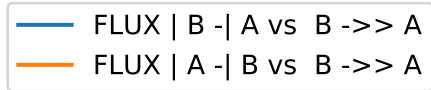
40

50

60

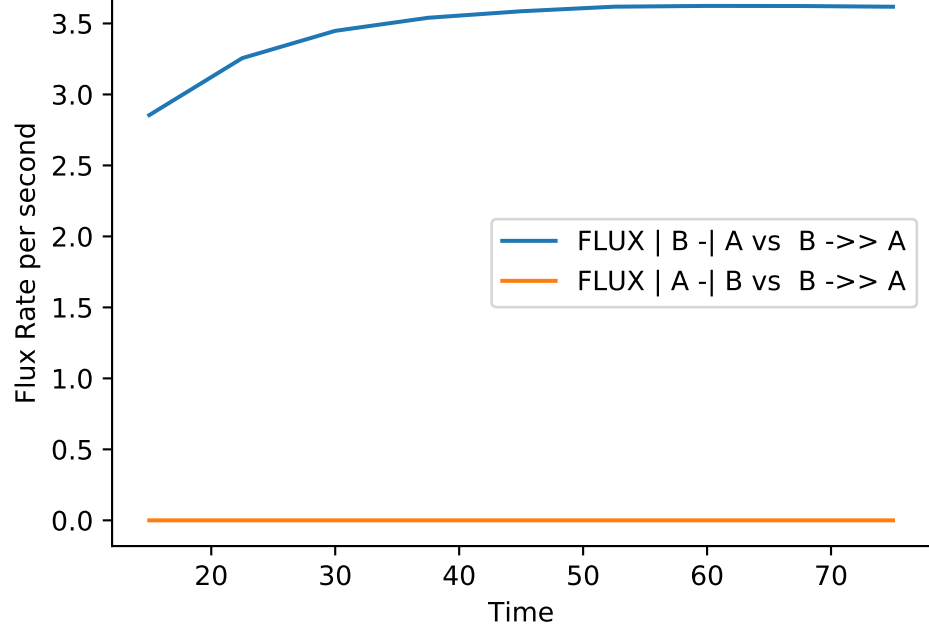
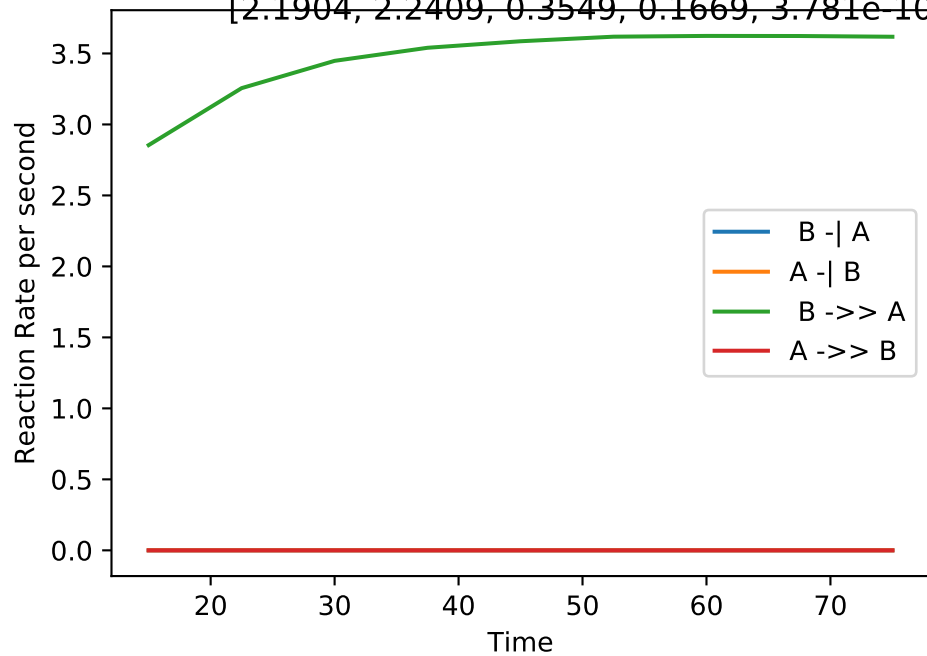
70

Time



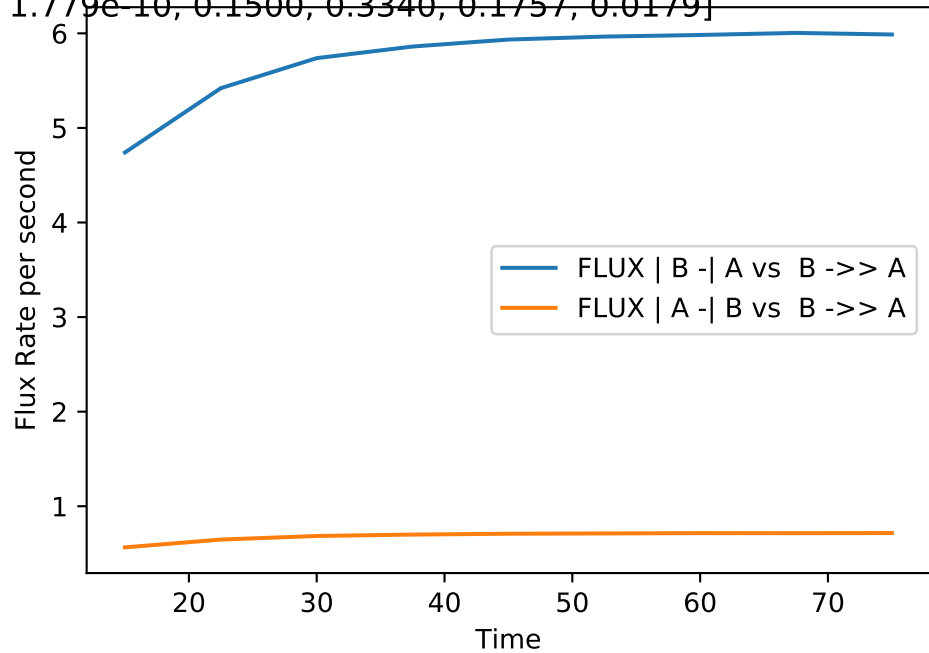
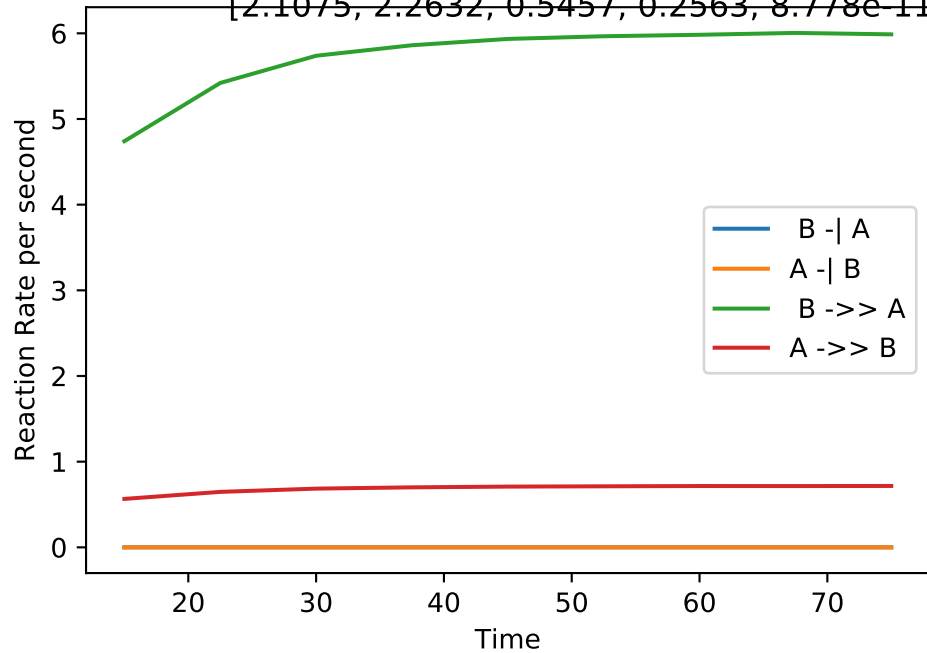
No_up | MB-LLS No_up(#141):

[2.1904, 2.2409, 0.3549, 0.1669, 3.781e-10, 3.719e-09, 0.0907, 0.2046, 0.1075, 0.0000]



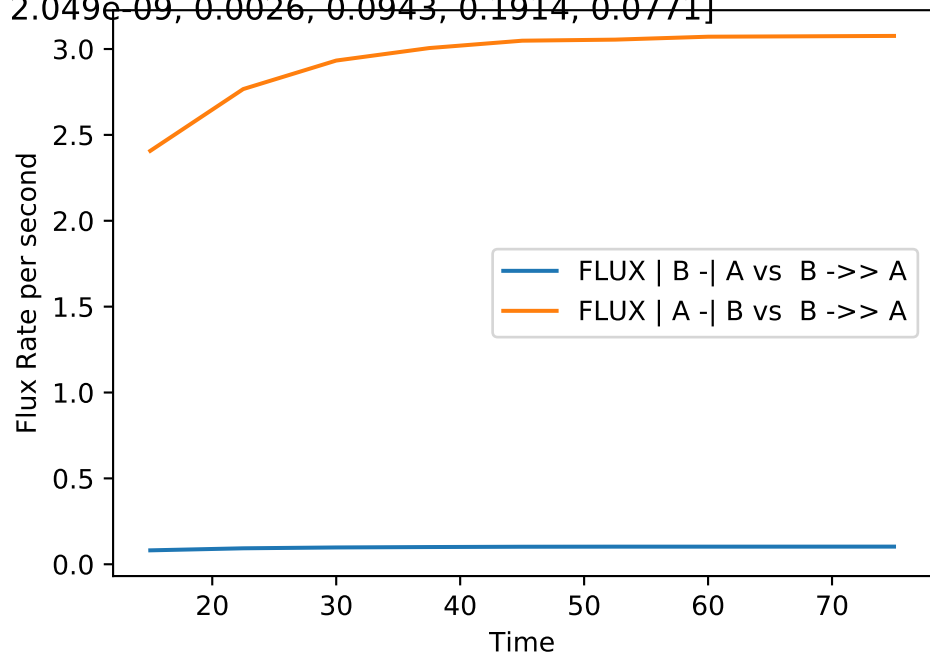
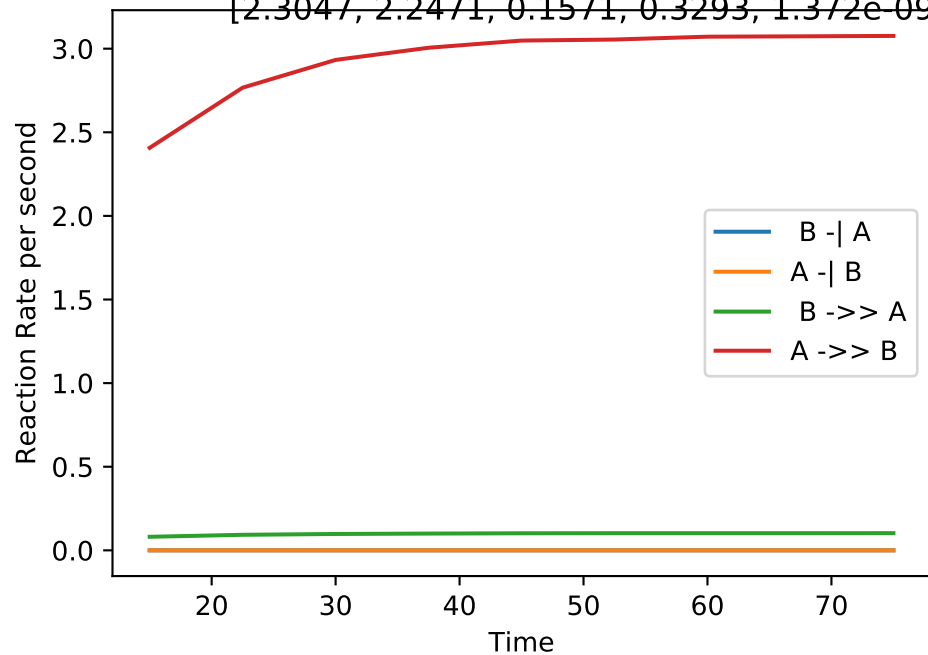
No_up | MB-LLS No_up(#142):

[2.1075, 2.2632, 0.5457, 0.2563, 8.778e-11, 1.779e-10, 0.1500, 0.3340, 0.1757, 0.0179]



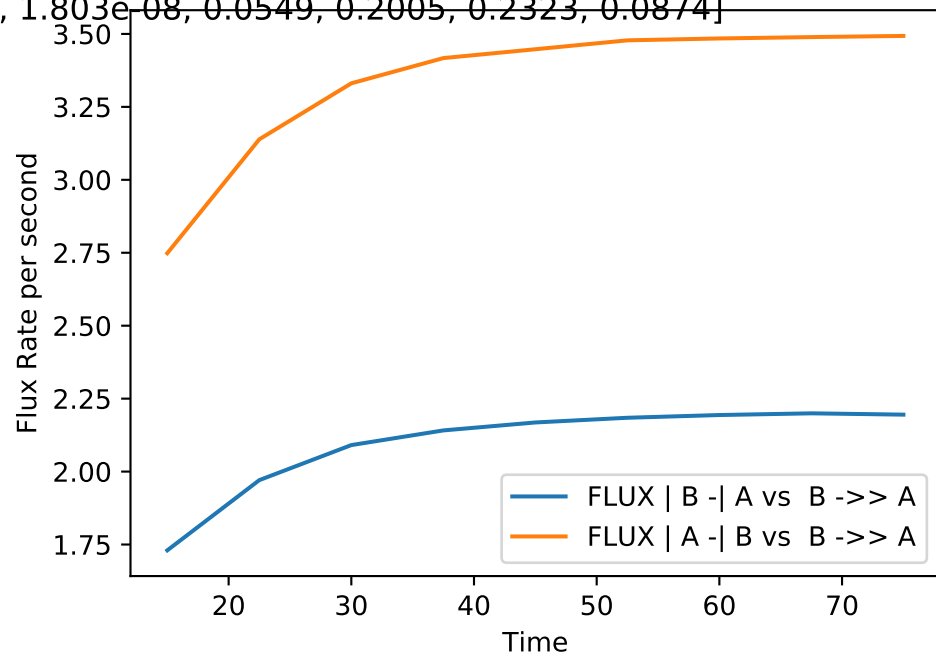
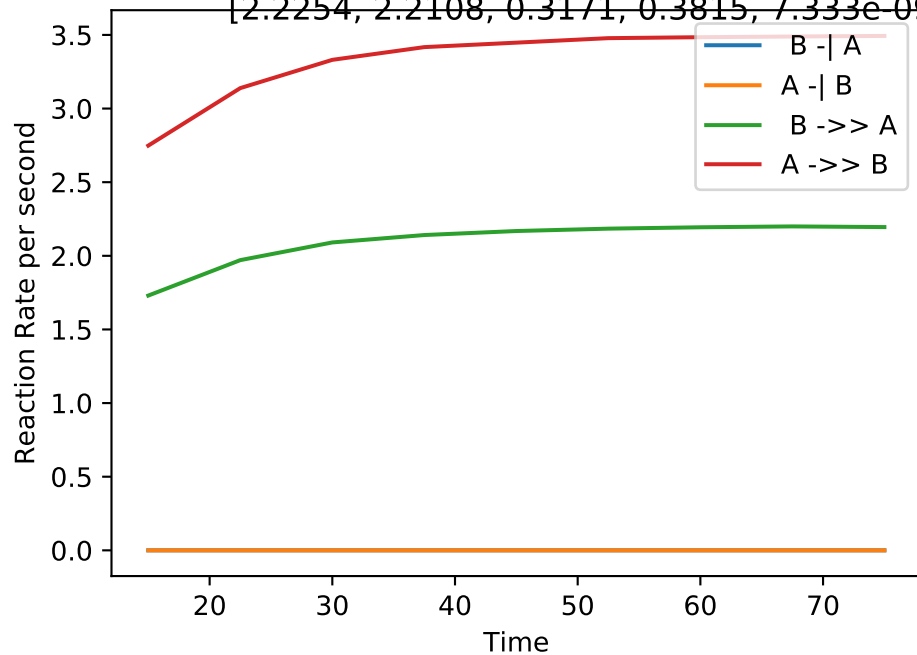
No_up | MB-LLS No_up(#143):

[2.3047, 2.2471, 0.1571, 0.3293, 1.372e-09, 2.049e-09, 0.0026, 0.0943, 0.1914, 0.0771]



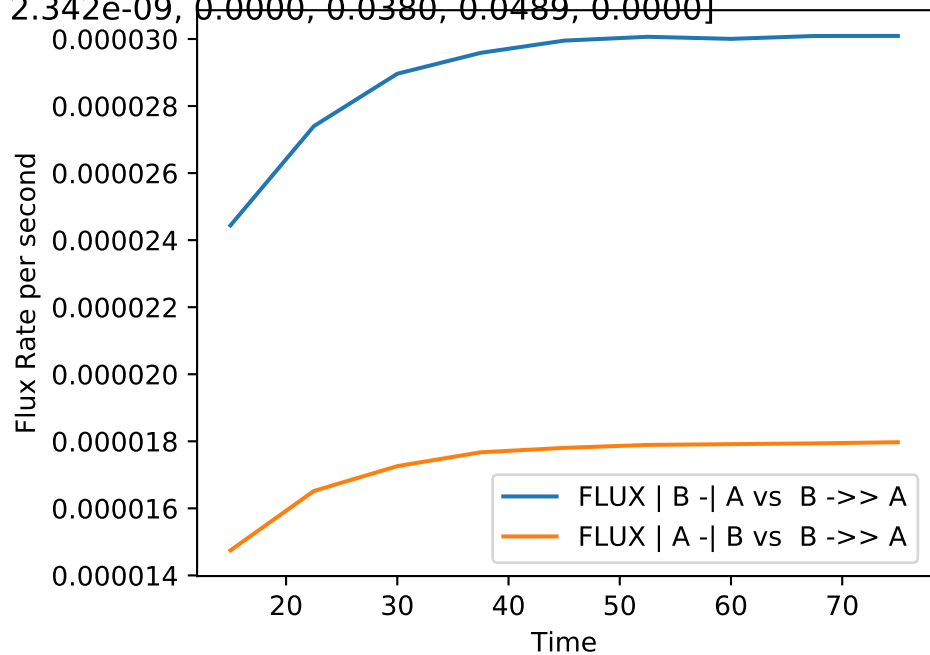
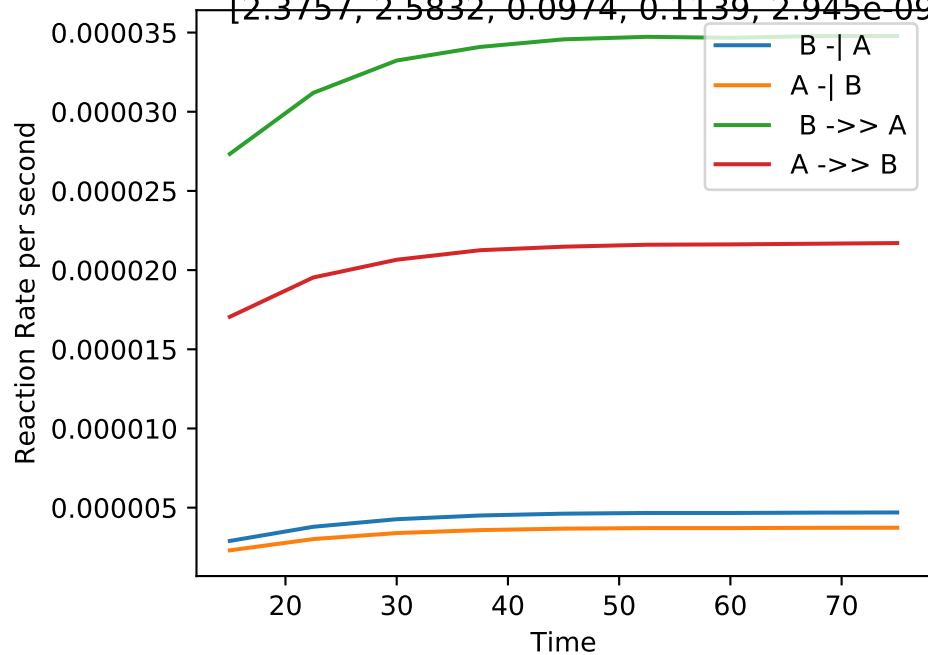
No_up | MB-LLS No_up(#144):

[2.2254, 2.2108, 0.3171, 0.3815, 7.333e-09, 1.803e-08, 0.0549, 0.2005, 0.2323, 0.0874]



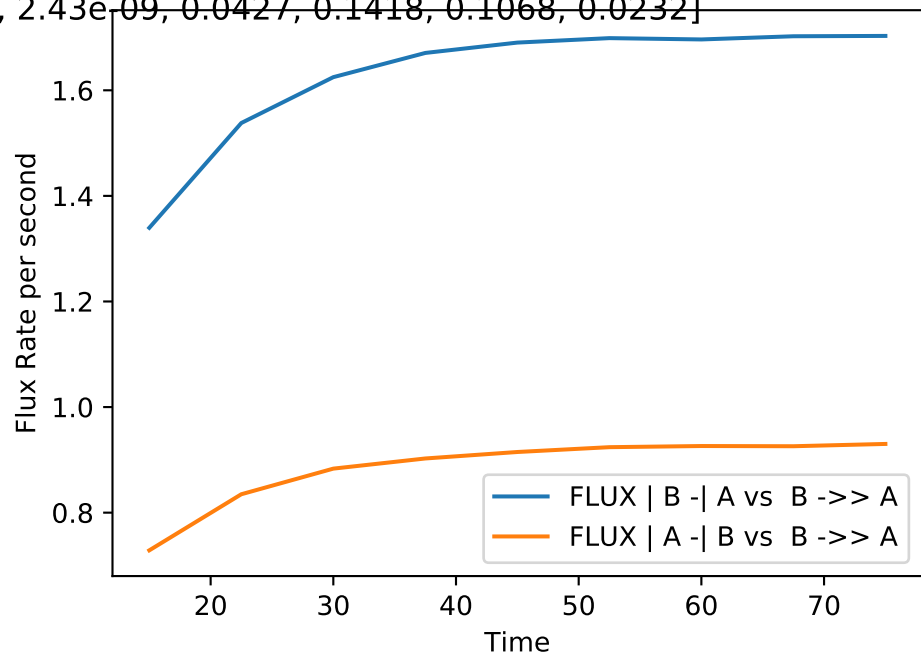
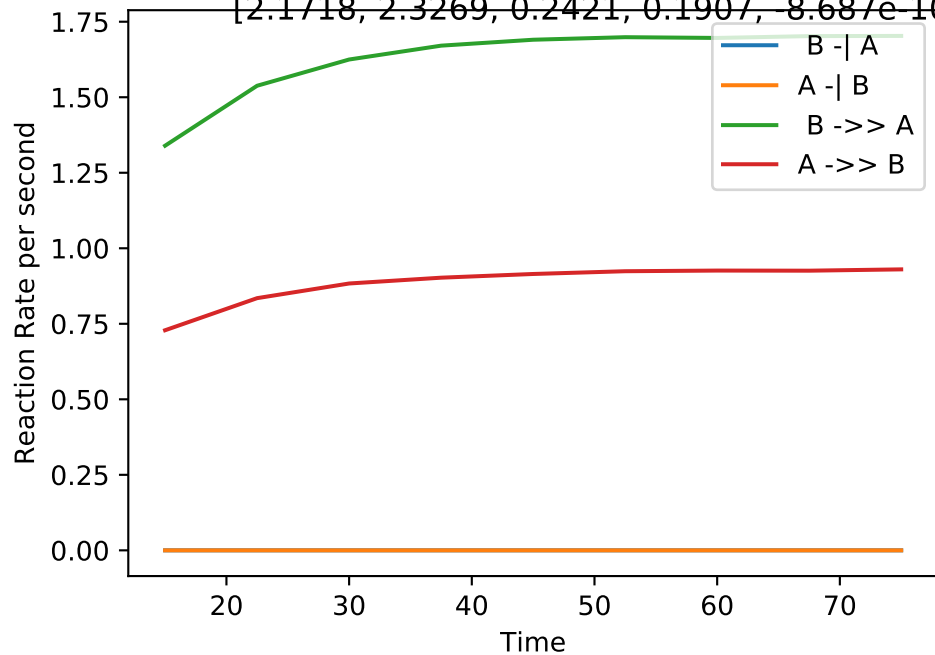
No_up | MB-LLS No_up(#145):

[2.3757, 2.5832, 0.0974, 0.1139, 2.945e-09, 2.342e-09, 0.0000, 0.0380, 0.0489, 0.0000]



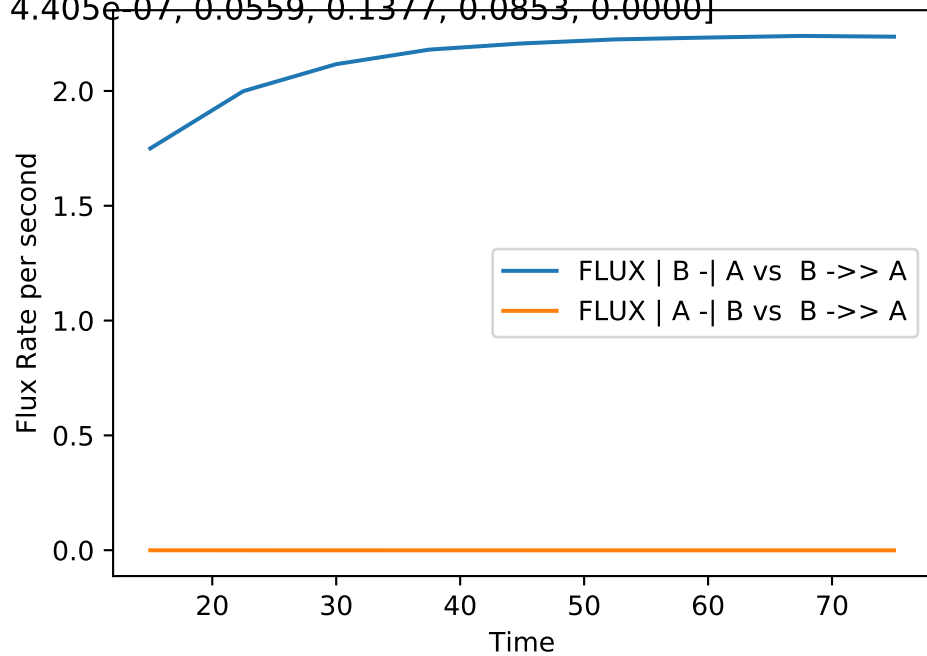
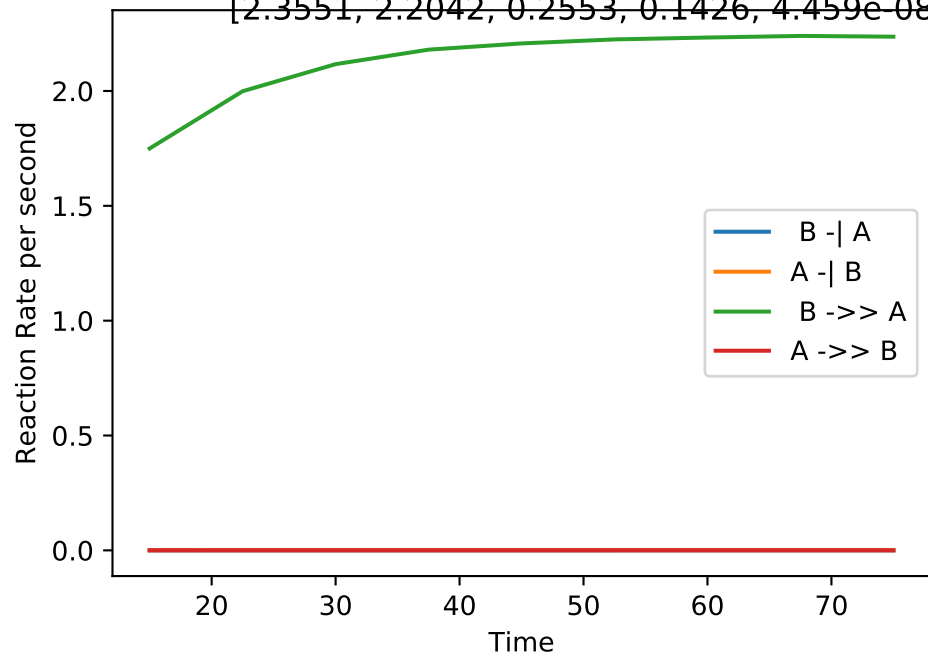
No_up | MB-LLS No_up(#146):

[2.1718, 2.3269, 0.2421, 0.1907, 8.687e-10, 2.43e-09, 0.0427, 0.1418, 0.1068, 0.0232]



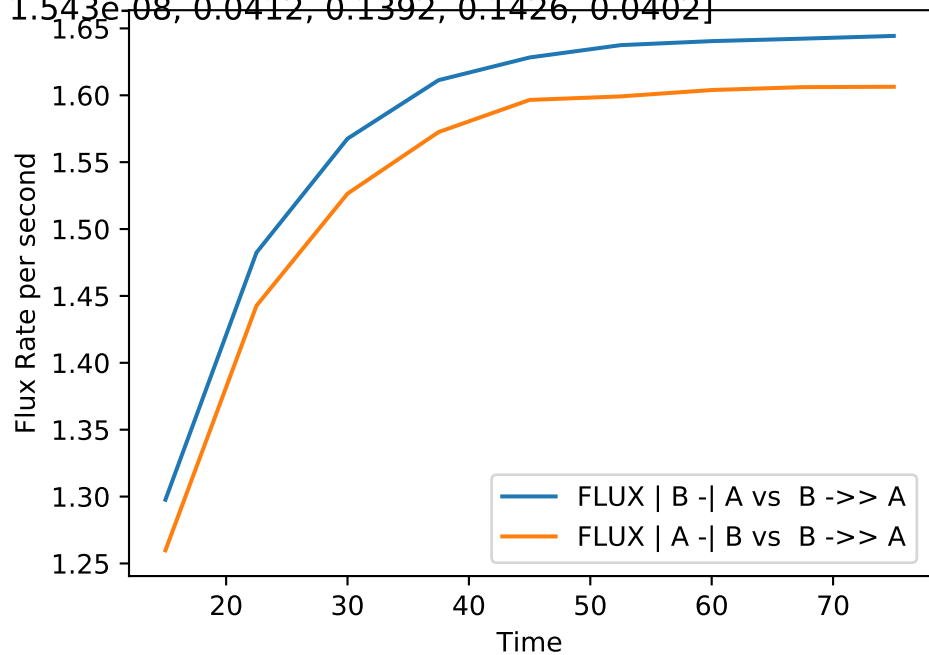
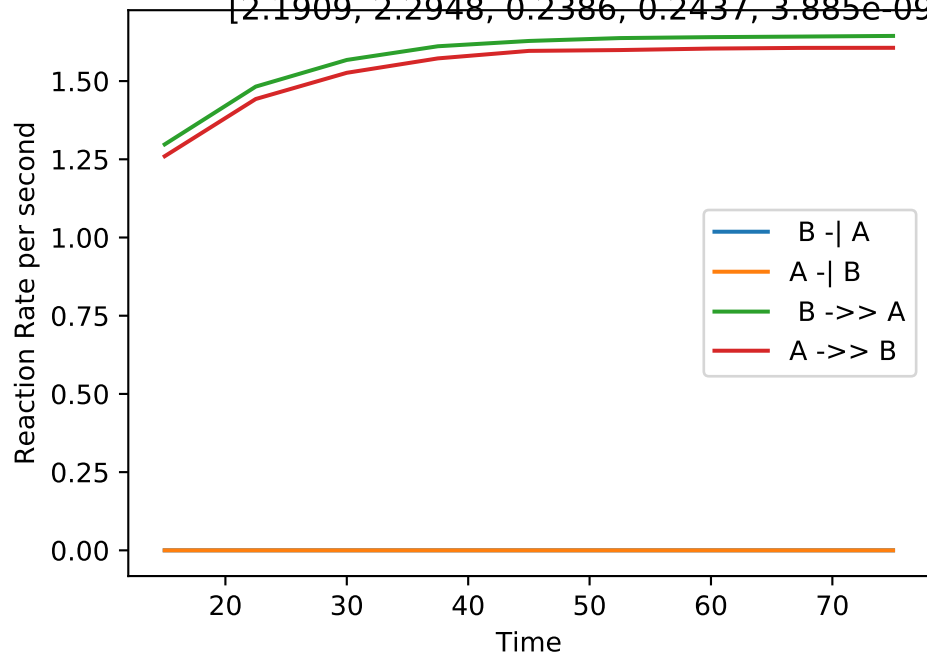
No_up | MB-LLS No_up(#147):

[2.3551, 2.2042, 0.2553, 0.1426, 4.459e-08, 4.405e-07, 0.0559, 0.1377, 0.0853, 0.0000]



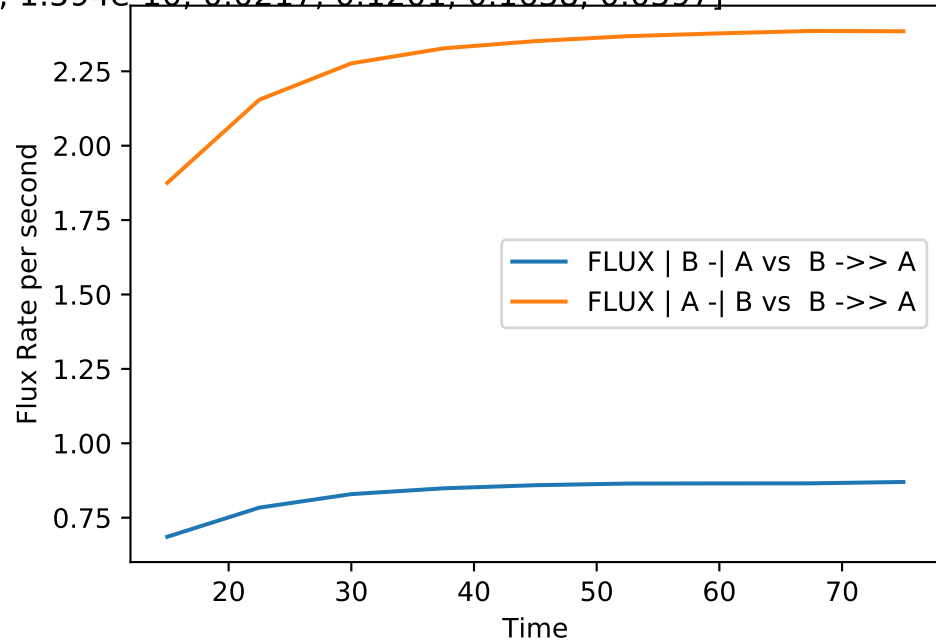
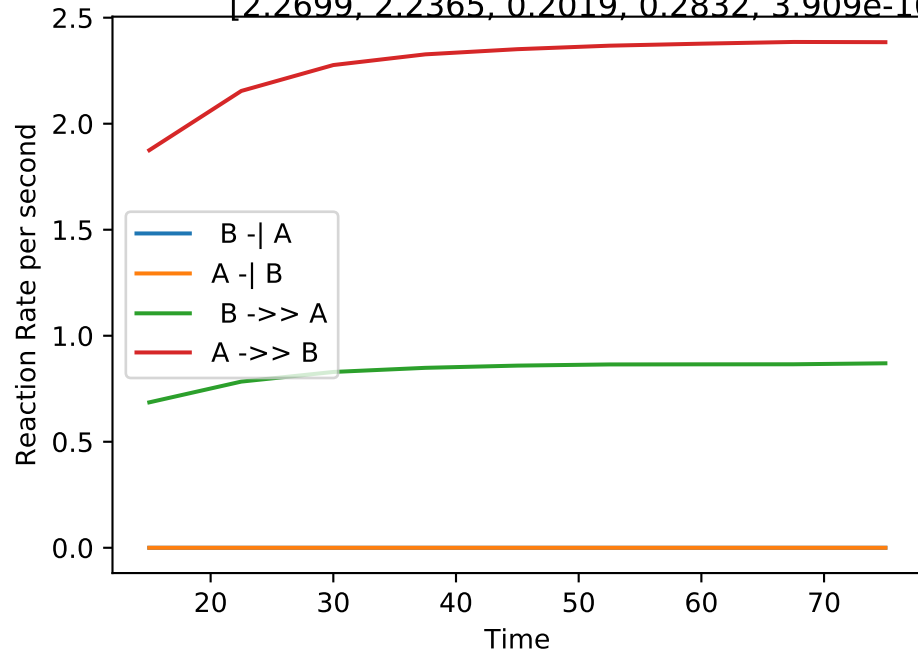
No_up | MB-LLS No_up(#148):

[2.1909, 2.2948, 0.2386, 0.2437, 3.885e-09, 1.543e-08, 0.0412, 0.1392, 0.1426, 0.0402]



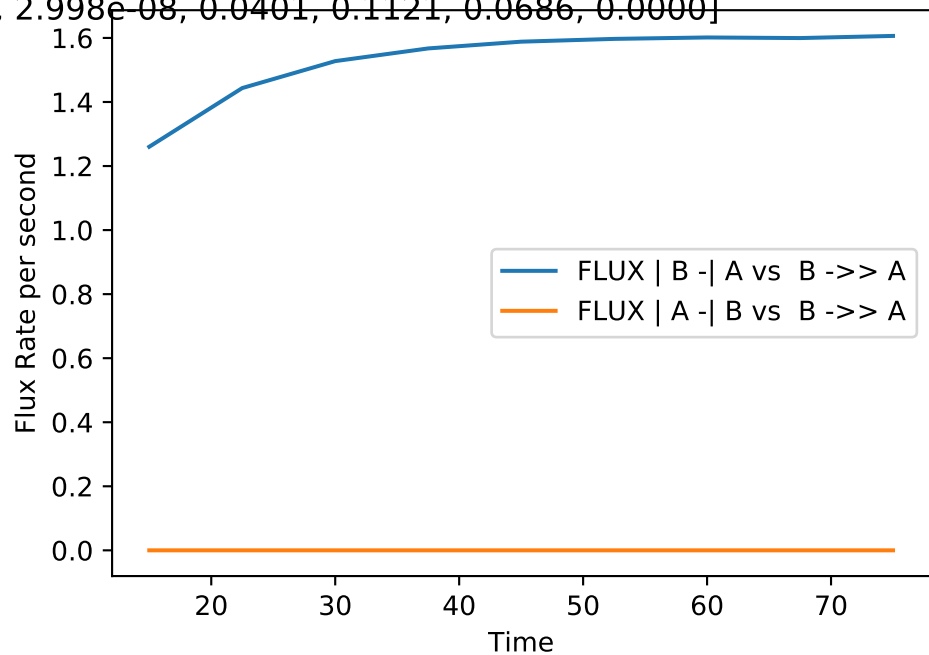
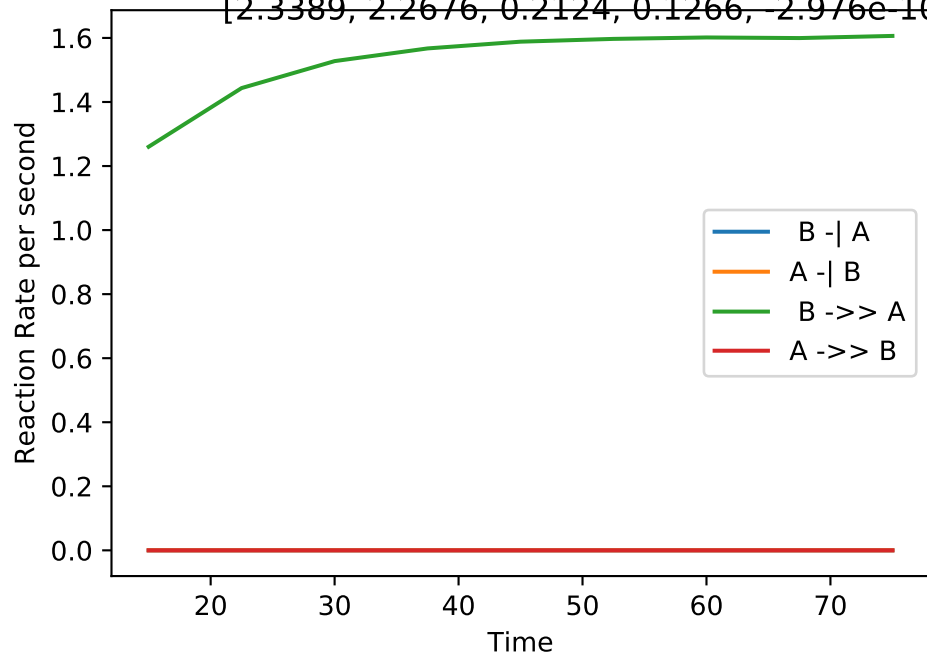
No_up | MB-LLS No_up(#149):

[2.2699, 2.2365, 0.2019, 0.2832, 3.909e-10, 1.594e-10, 0.0217, 0.1201, 0.1638, 0.0597]



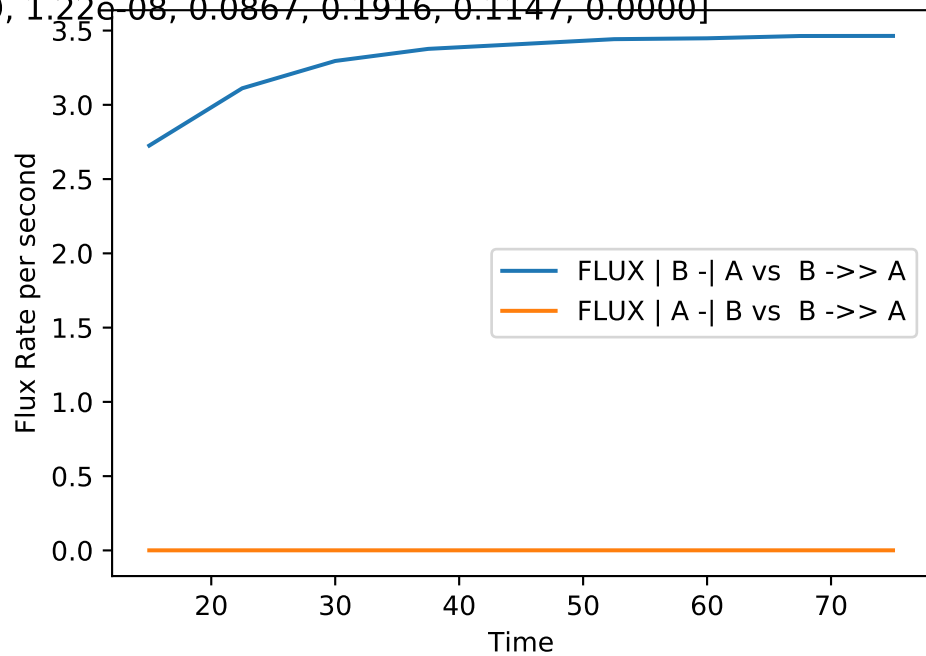
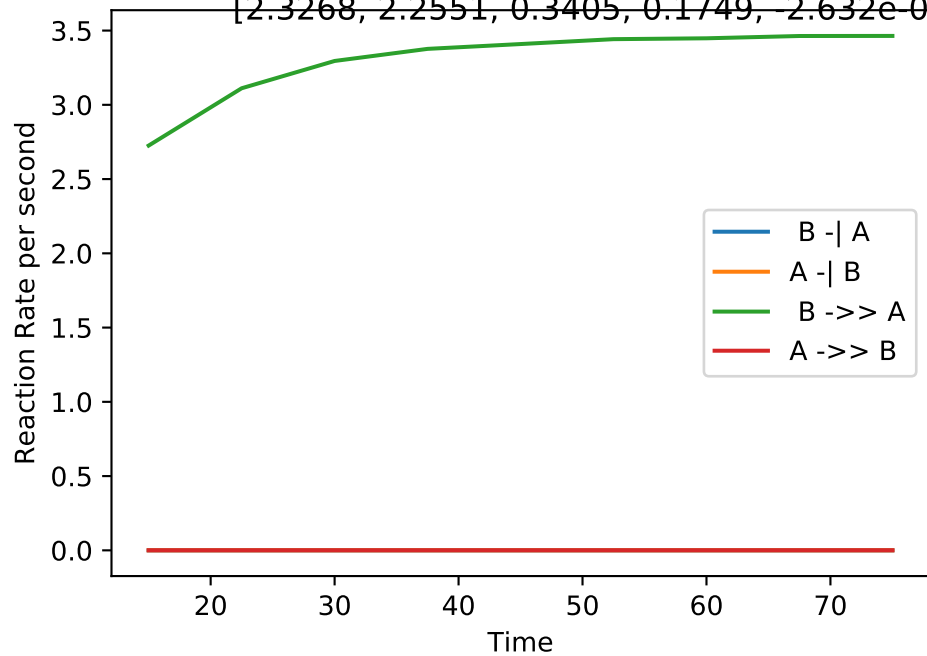
No_up | MB-LLS No_up(#150):

[2.3389, 2.2676, 0.2124, 0.1266, -2.976e-10, 2.998e-08, 0.0401, 0.1121, 0.0686, 0.0000]



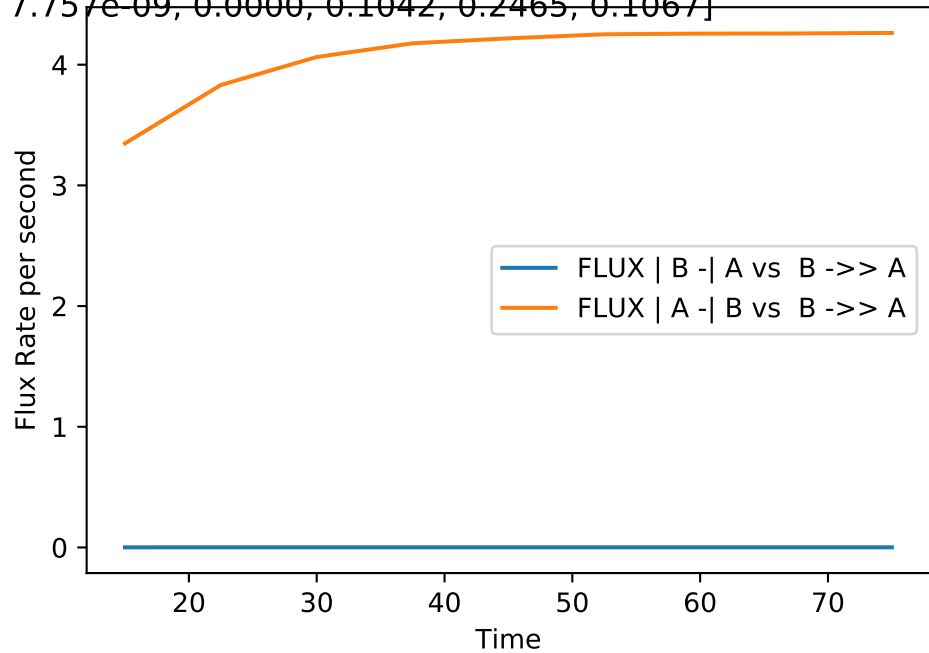
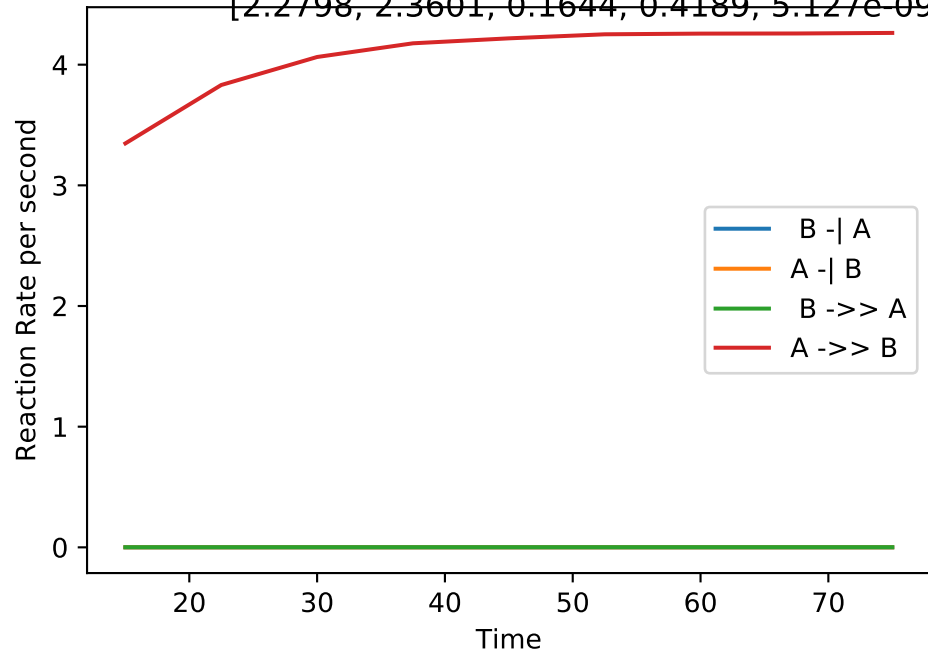
No_up | MB-LLS No_up(#151):

[2.3268, 2.2551, 0.3405, 0.1749, 2.632e-09, 1.22e-08, 0.0867, 0.1916, 0.1147, 0.0000]



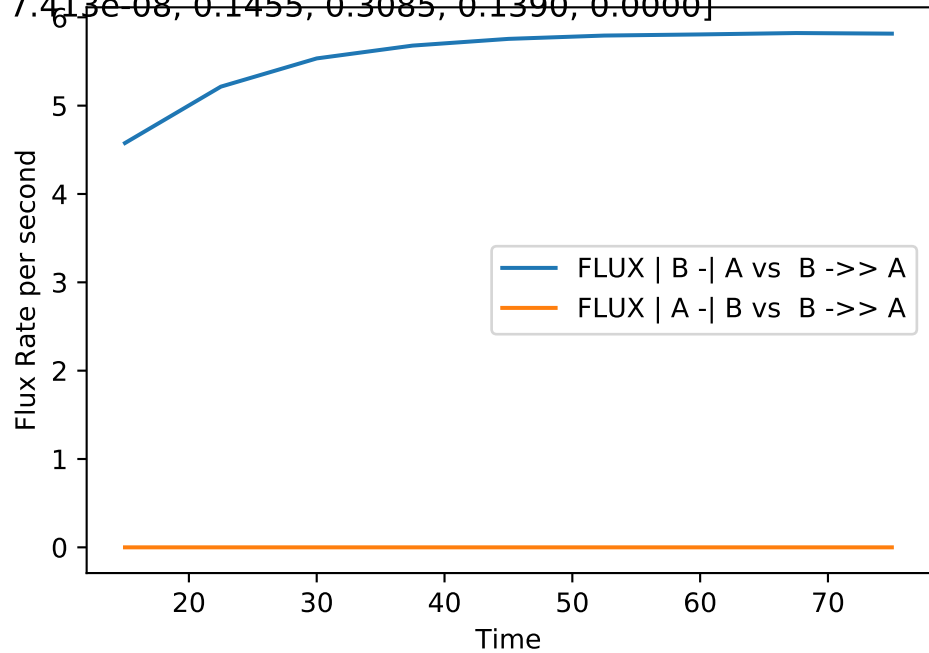
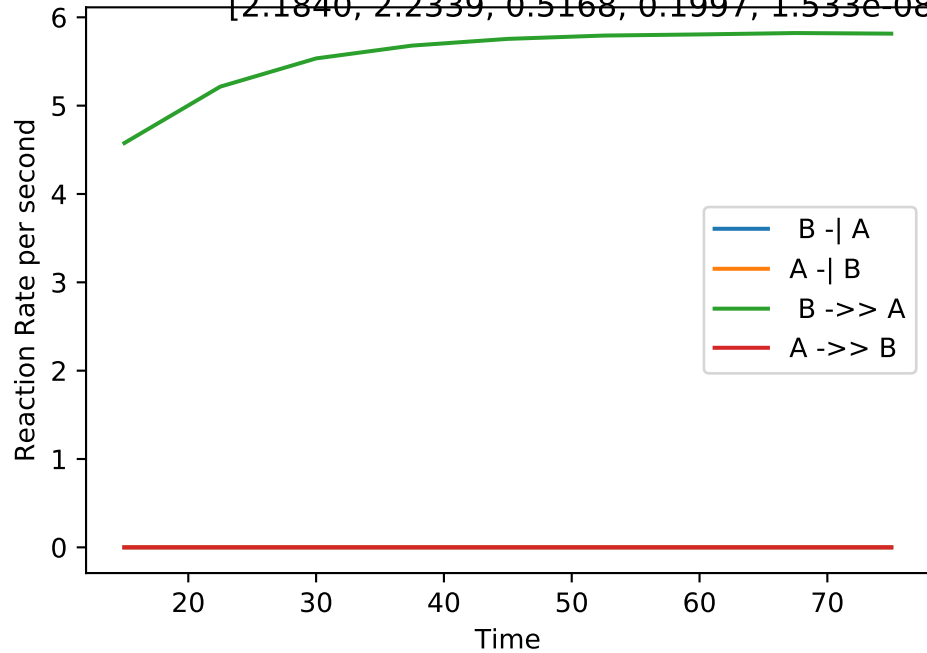
No_up | MB-LLS No_up(#152):

[2.2798, 2.3601, 0.1644, 0.4189, 5.127e-09, 7.757e-09, 0.0000, 0.1042, 0.2465, 0.1067]



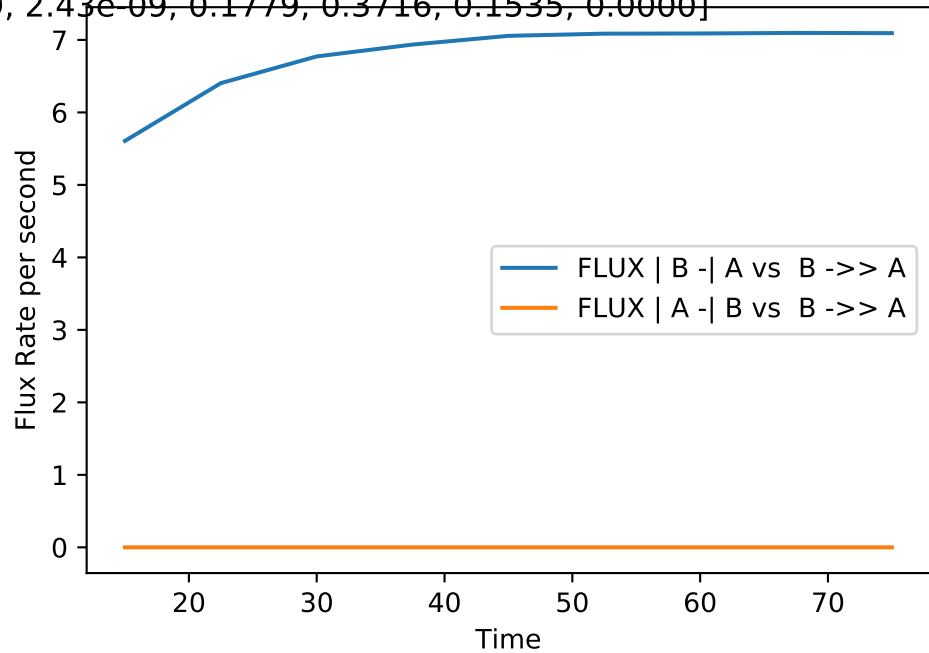
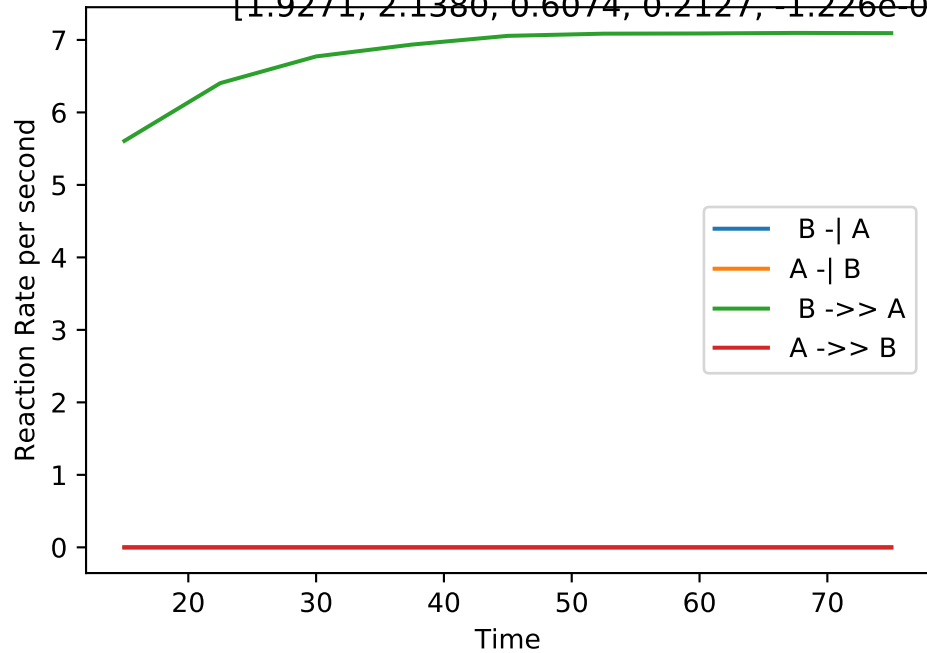
No_up | MB-LLS No_up(#153):

[2.1840, 2.2339, 0.5168, 0.1997, 1.533e-08, 7.413e-08, 0.1455, 0.3085, 0.1390, 0.0000]



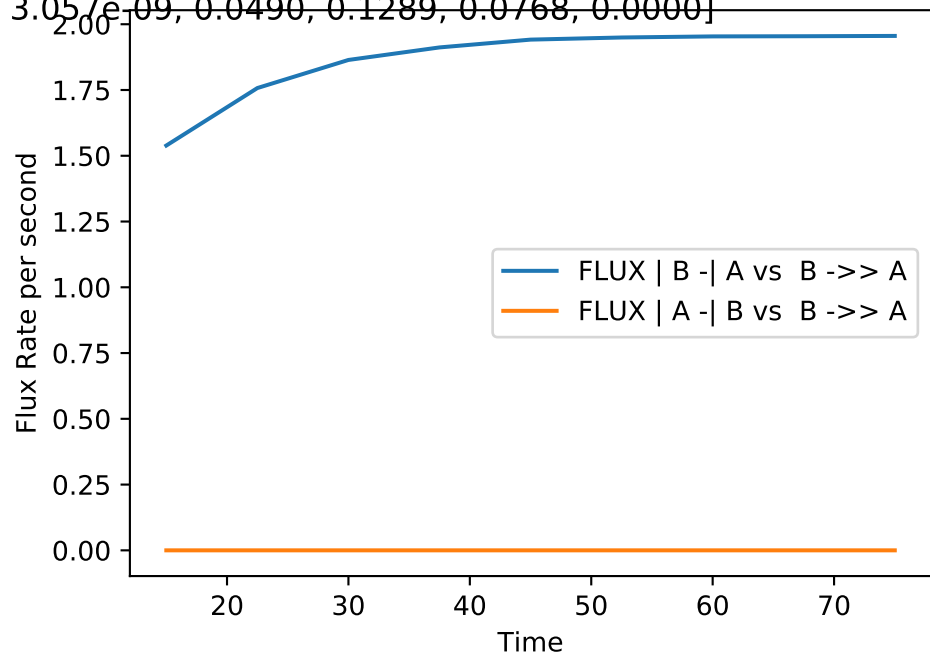
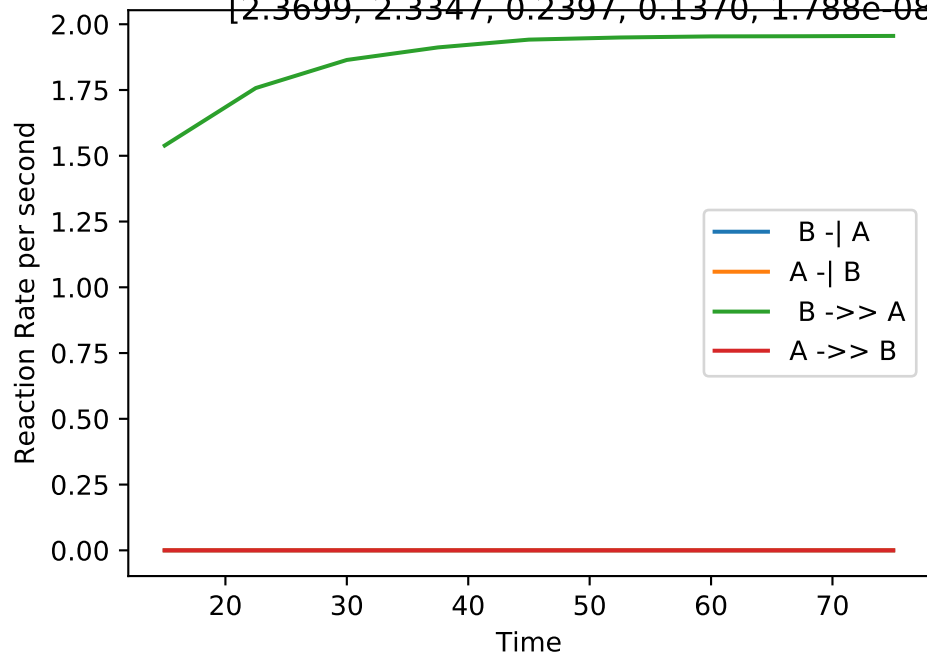
No_up | MB-LLS No_up(#154):

[1.9271, 2.1380, 0.6074, 0.2127, 1.226e-09, 2.43e-09, 0.1779, 0.3716, 0.1535, 0.0000]



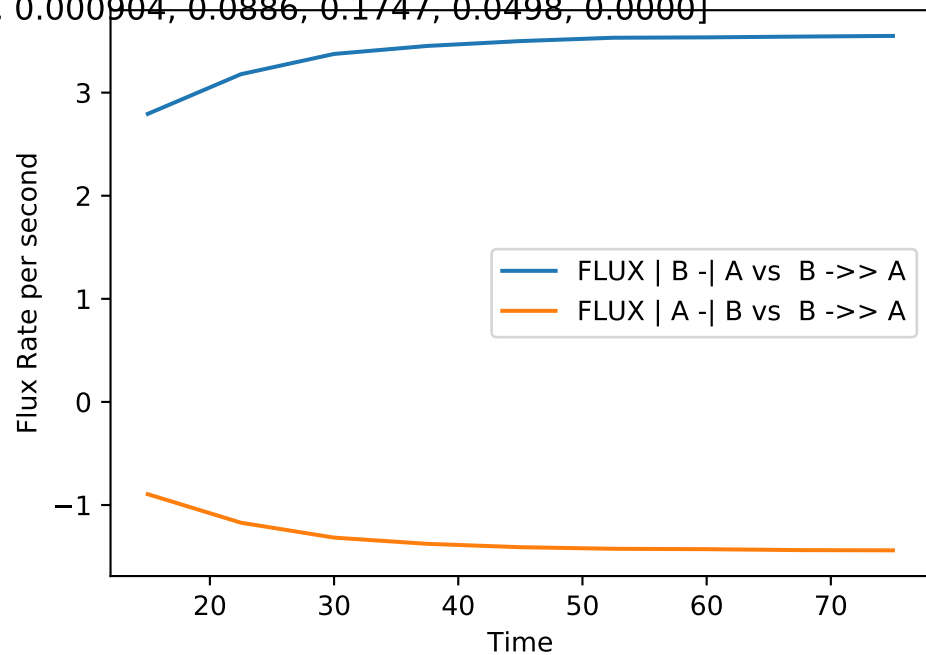
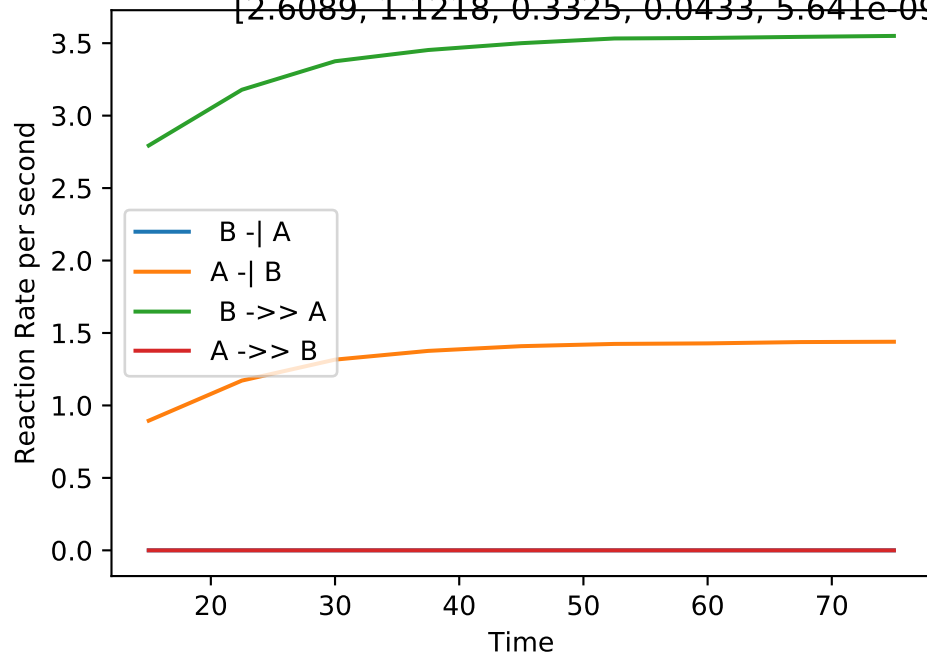
No_up | MB-LLS No_up(#155):

[2.3699, 2.3347, 0.2397, 0.1370, 1.788e-08, 3.057e-09, 0.0490, 0.1289, 0.0768, 0.0000]



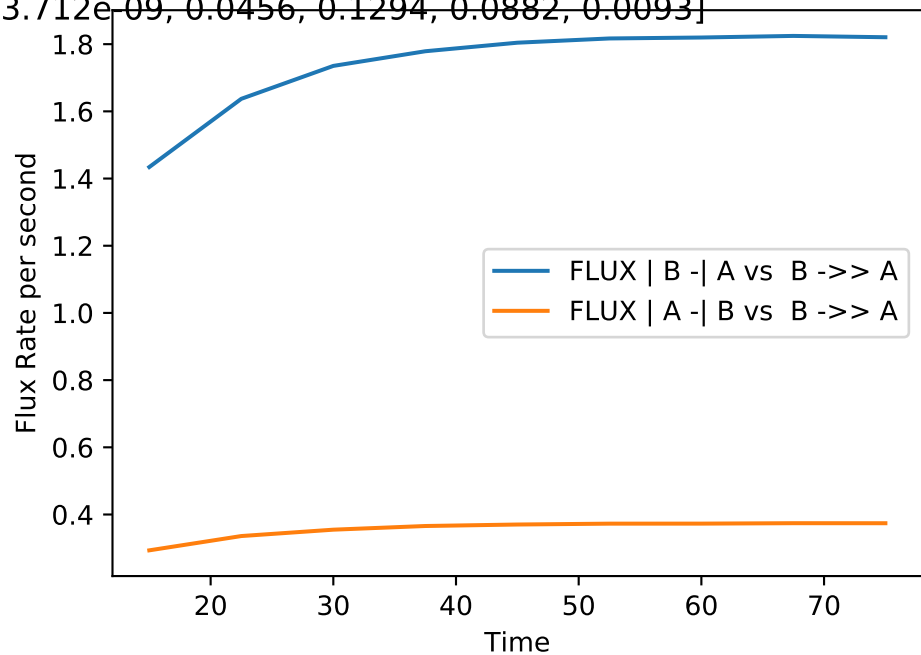
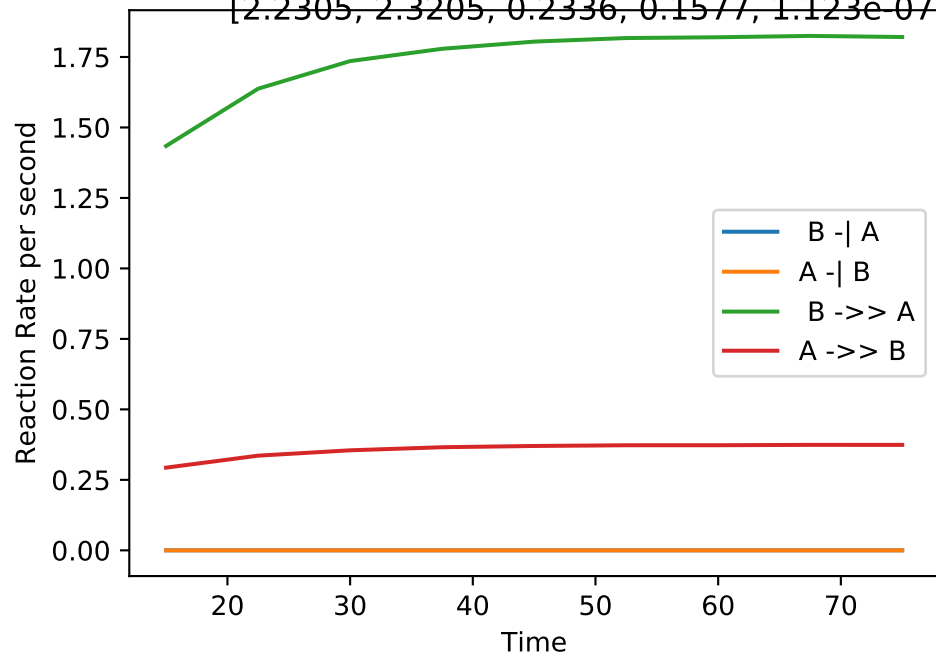
No_up | MB-LLS No_up(#156):

[2.6089, 1.1218, 0.3325, 0.0433, 5.641e-09, 0.000904, 0.0886, 0.1747, 0.0498, 0.0000]



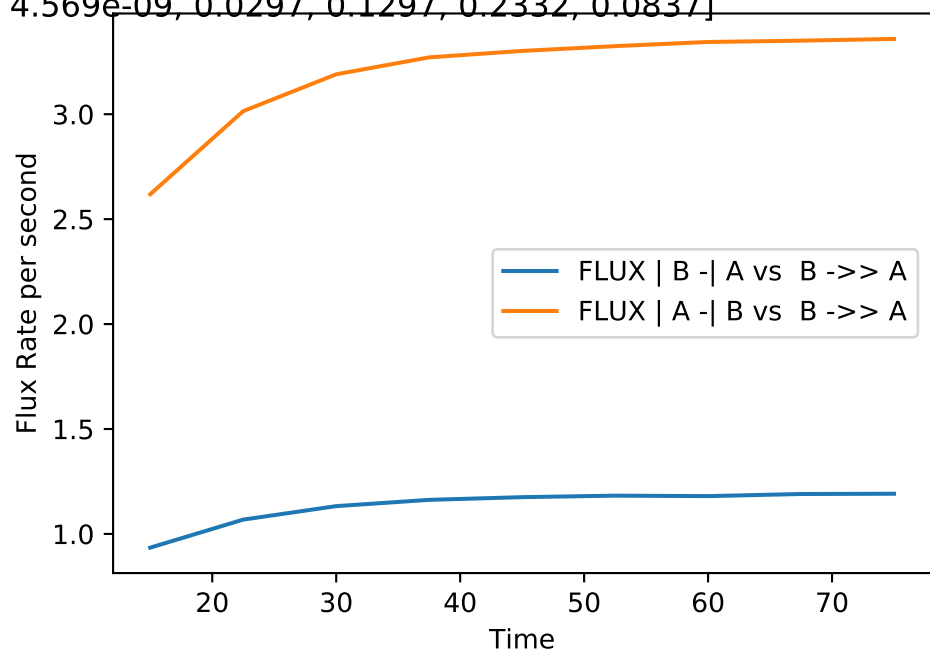
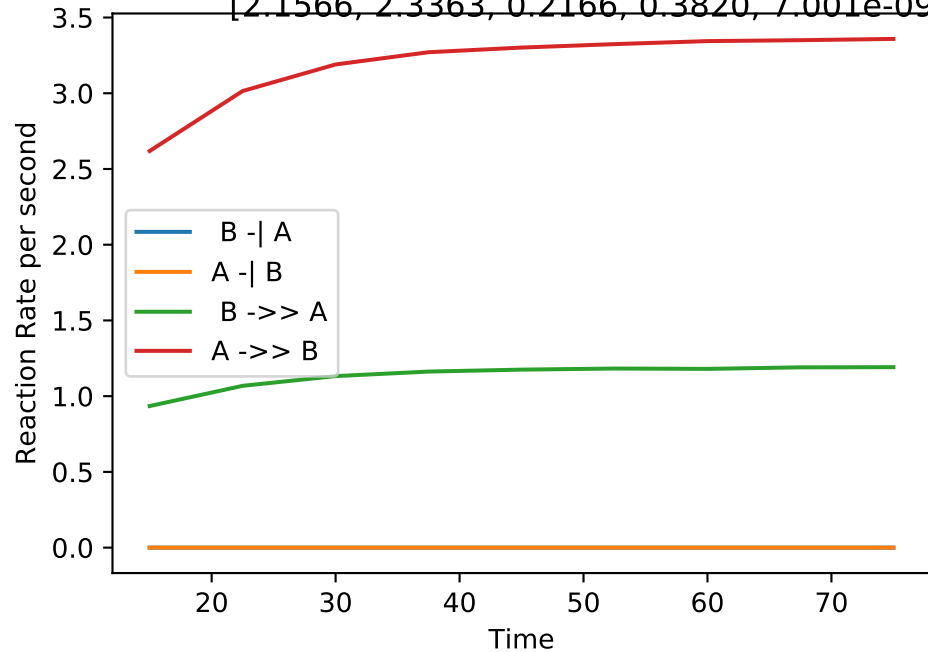
No_up | MB-LLS No_up(#157):

[2.2305, 2.3205, 0.2336, 0.1577, 1.123e-07, 3.712e-09, 0.0456, 0.1294, 0.0882, 0.0093]



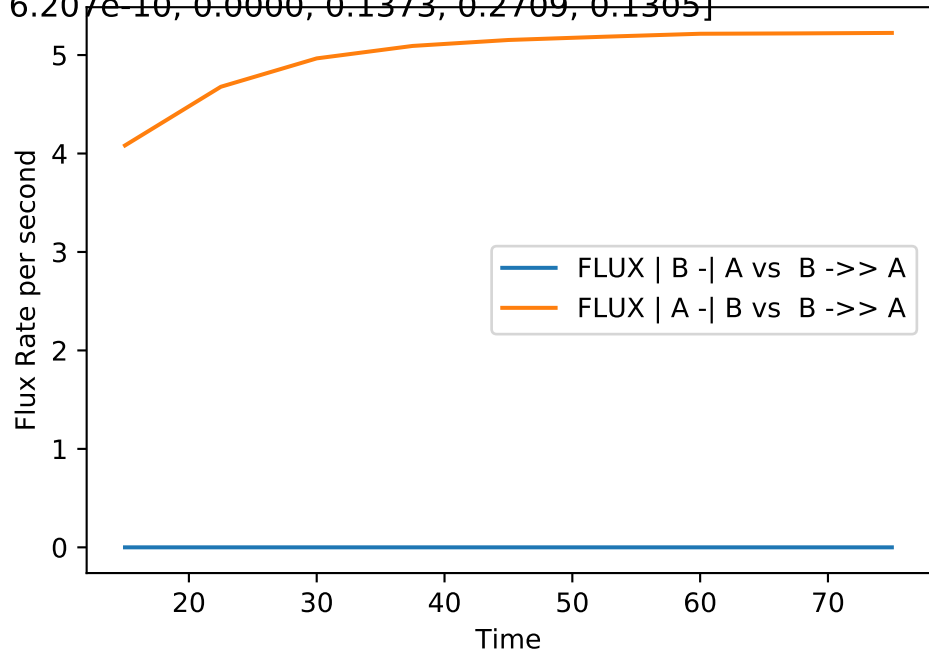
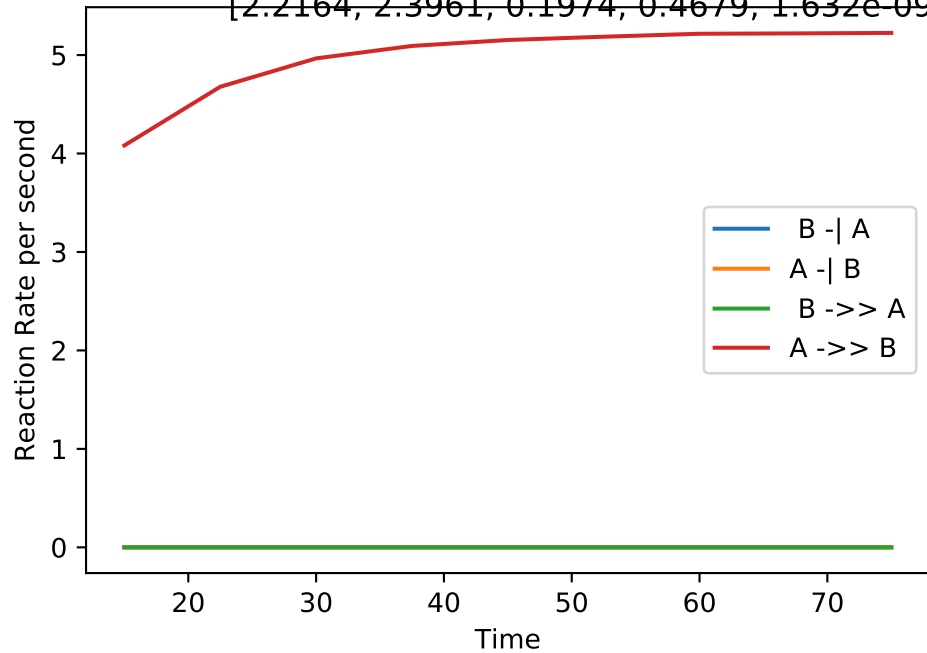
No_up | MB-LLS No_up(#158):

[2.1566, 2.3363, 0.2166, 0.3820, 7.001e-09, 4.569e-09, 0.0297, 0.1297, 0.2332, 0.0837]



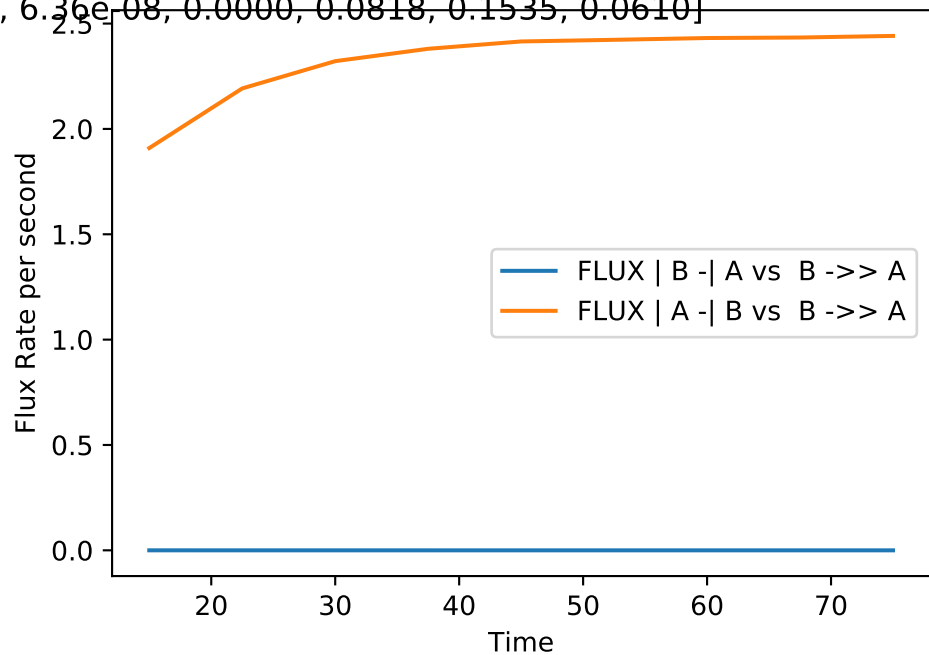
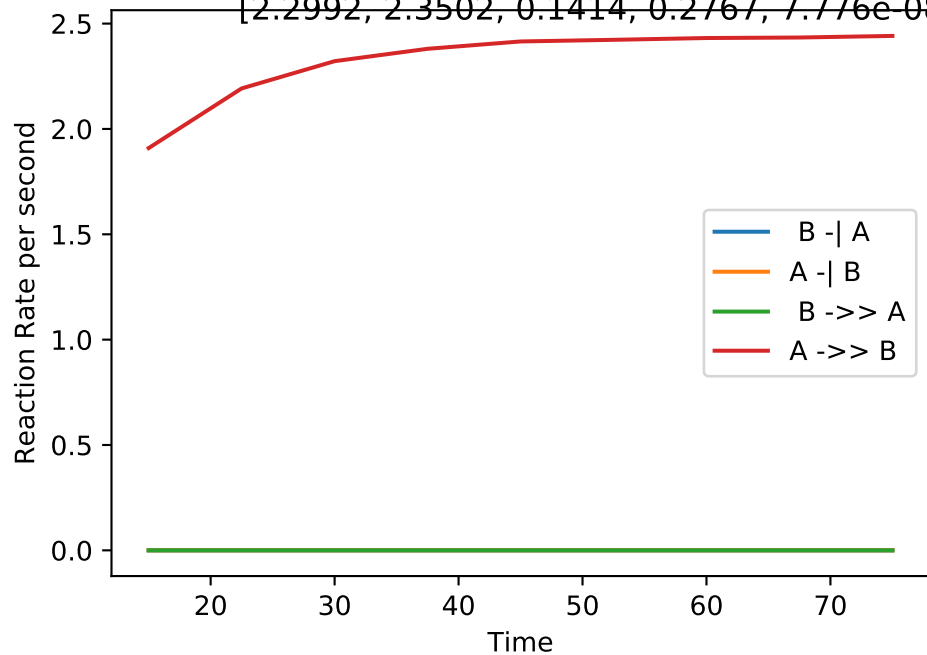
No_up | MB-LLS No_up(#159):

[2.2164, 2.3961, 0.1974, 0.4679, 1.632e-09, 6.207e-10, 0.0000, 0.1373, 0.2709, 0.1305]



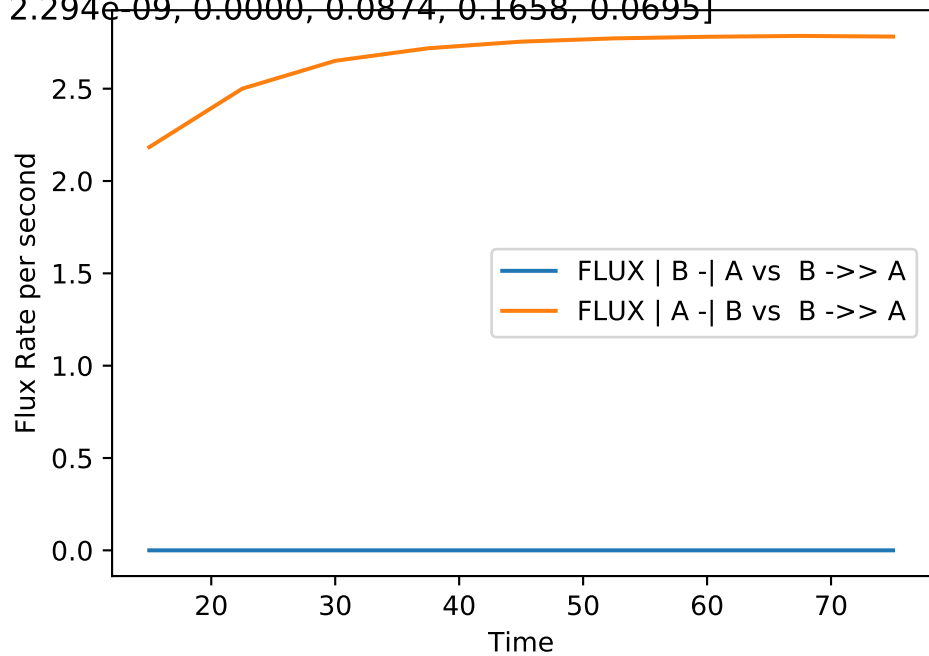
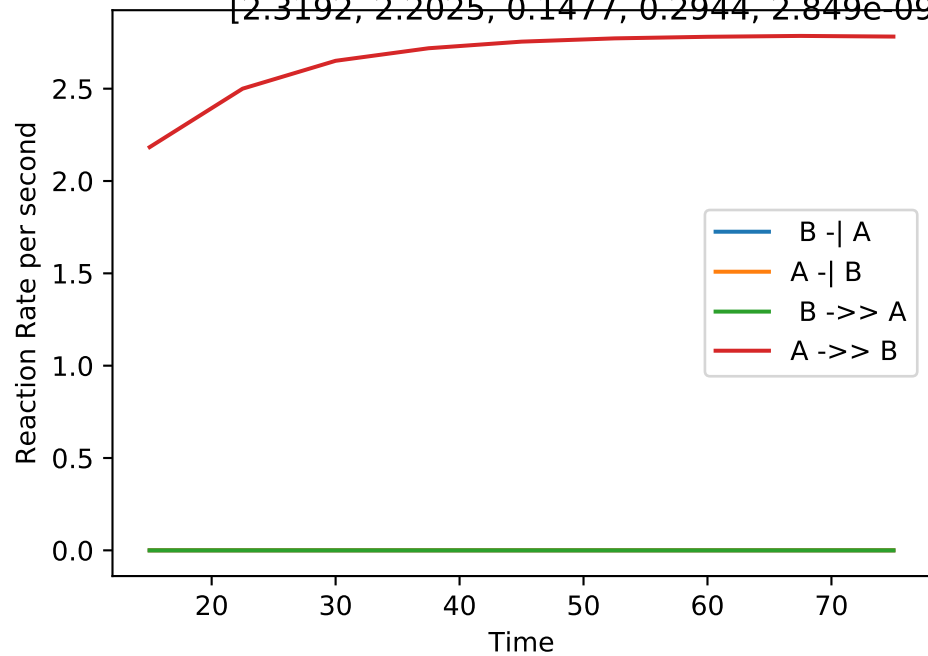
No_up | MB-LLS No_up(#160):

[2.2992, 2.3502, 0.1414, 0.2767, 7.776e-08, 6.36e-08, 0.0000, 0.0818, 0.1535, 0.0610]



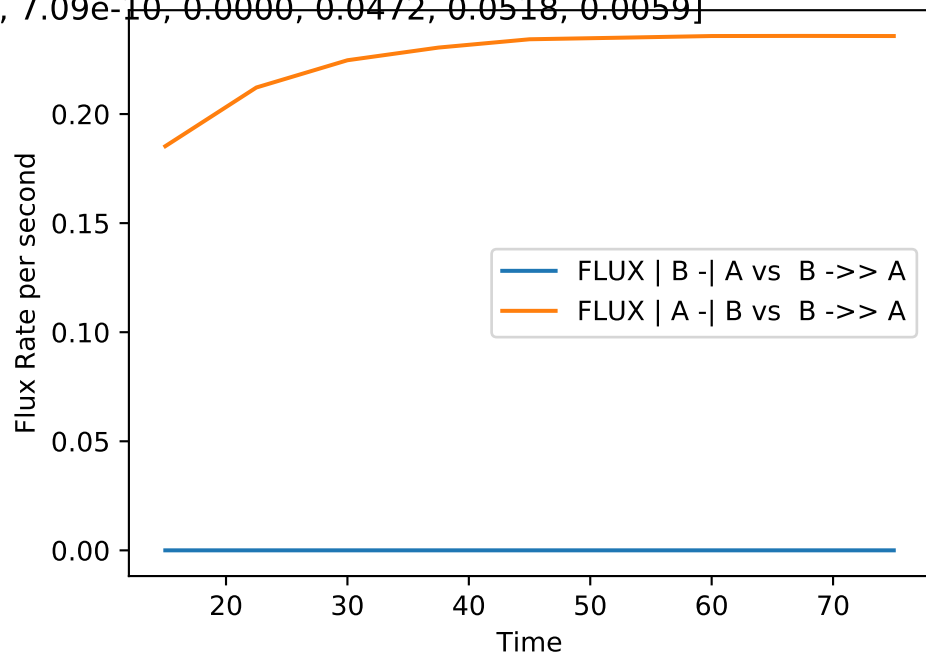
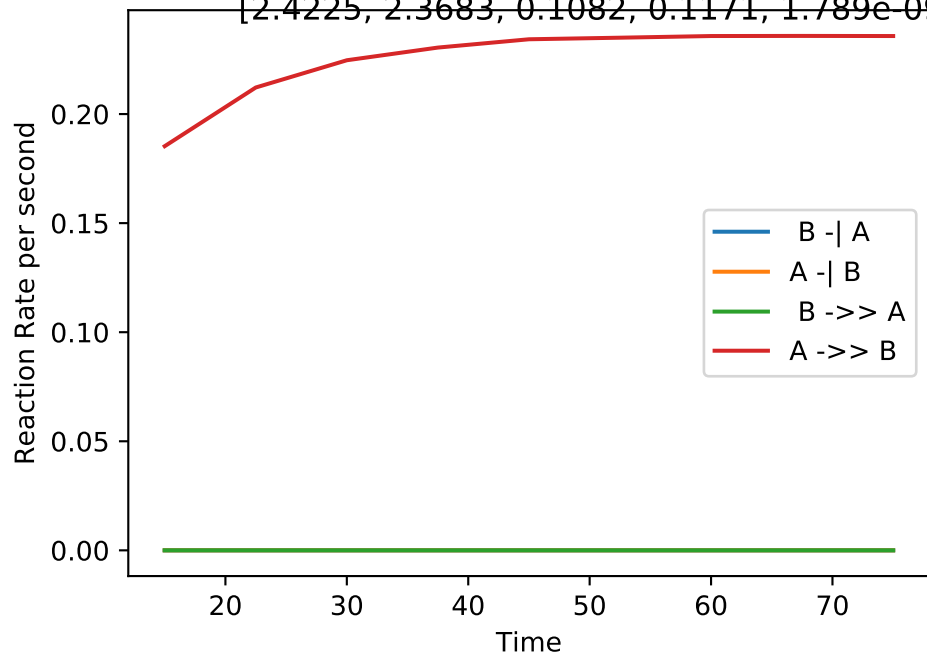
No_up | MB-LLS No_up(#161):

[2.3192, 2.2025, 0.1477, 0.2944, 2.849e-09, 2.294e-09, 0.0000, 0.0874, 0.1658, 0.0695]



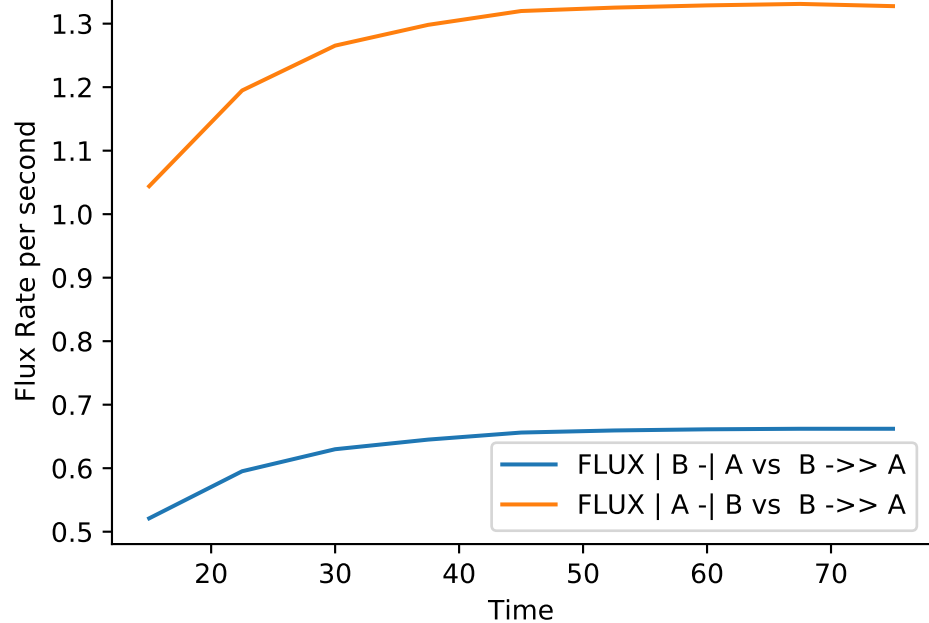
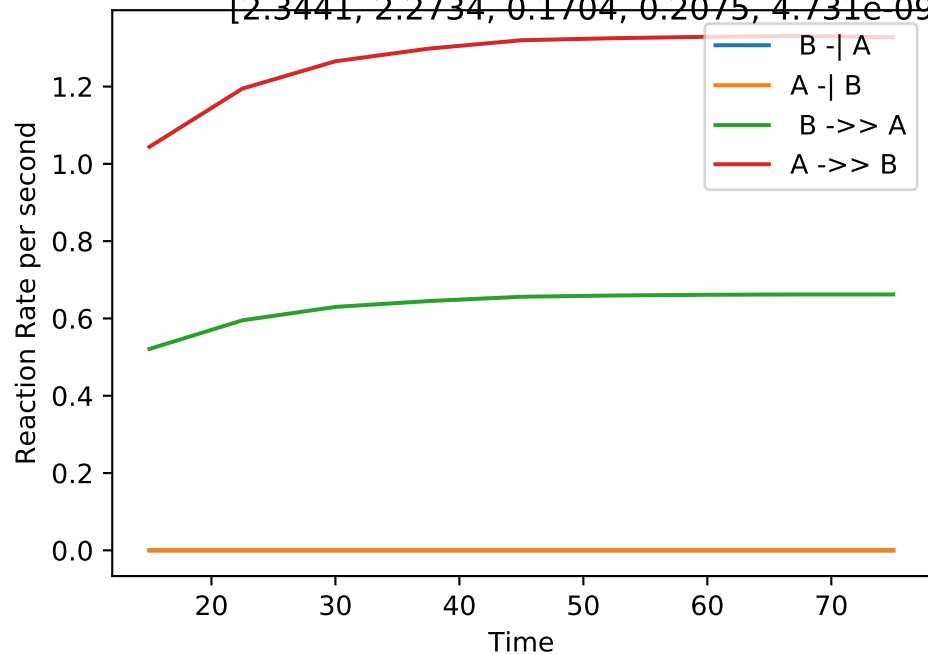
No_up | MB-LLS No_up(#162):

[2.4225, 2.3683, 0.1082, 0.1171, 1.789e-09, 7.09e-10, 0.0000, 0.0472, 0.0518, 0.0059]



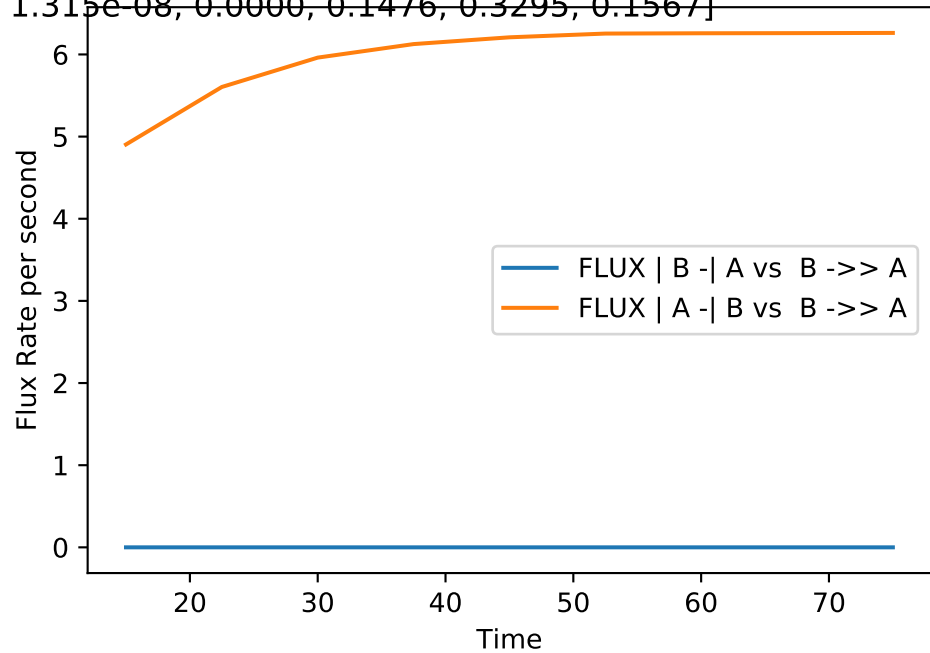
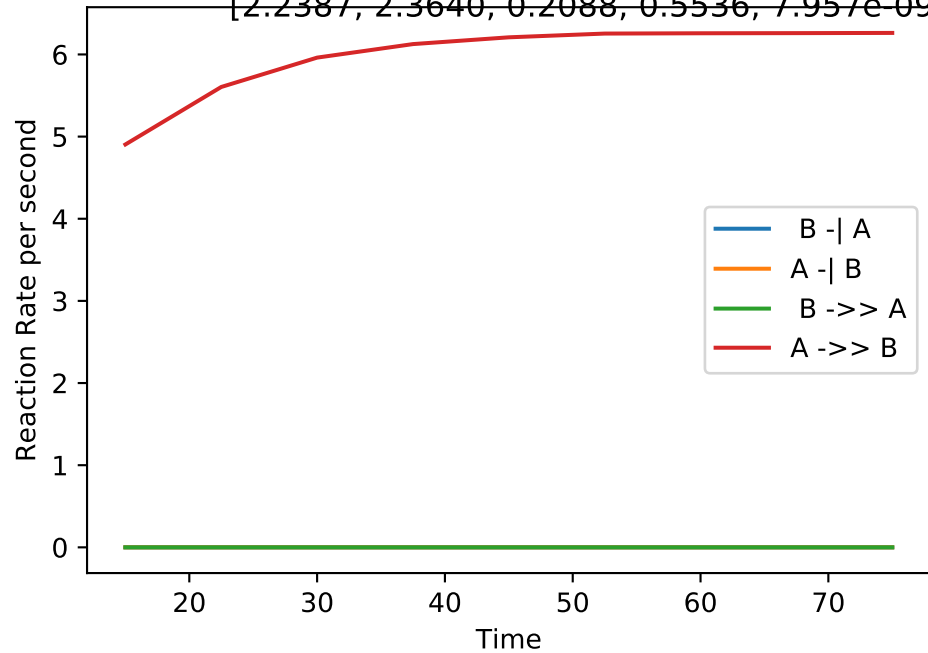
No_up | MB-LLS No_up(#163):

[2.3441, 2.2734, 0.1704, 0.2075, 4.731e-09, 5.375e-10, 0.0166, 0.0931, 0.1149, 0.0333]



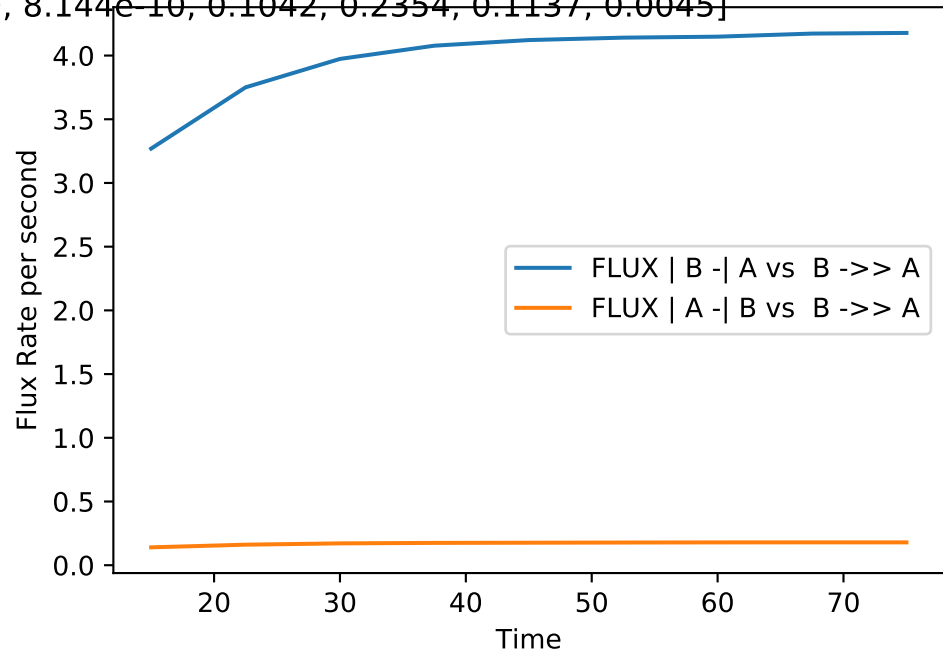
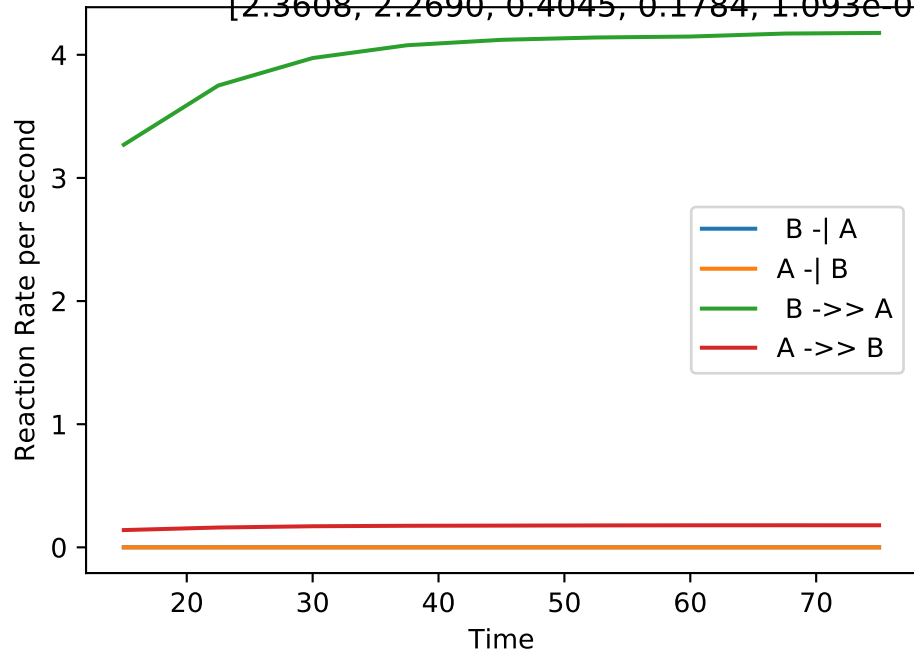
No_up | MB-LLS No_up(#164):

[2.2387, 2.3640, 0.2088, 0.5536, 7.957e-09, 1.315e-08, 0.0000, 0.1476, 0.3295, 0.1567]



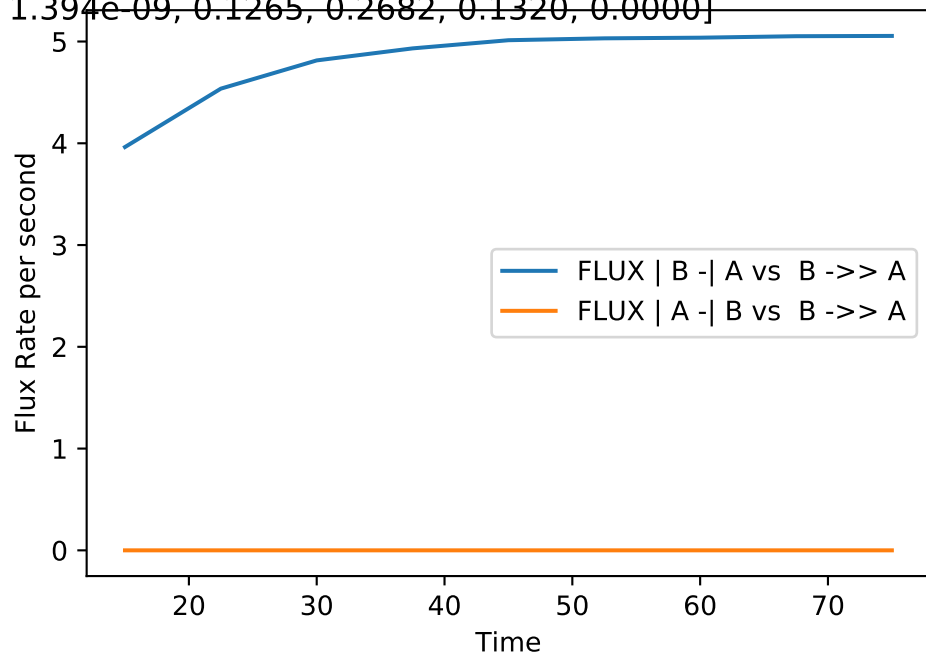
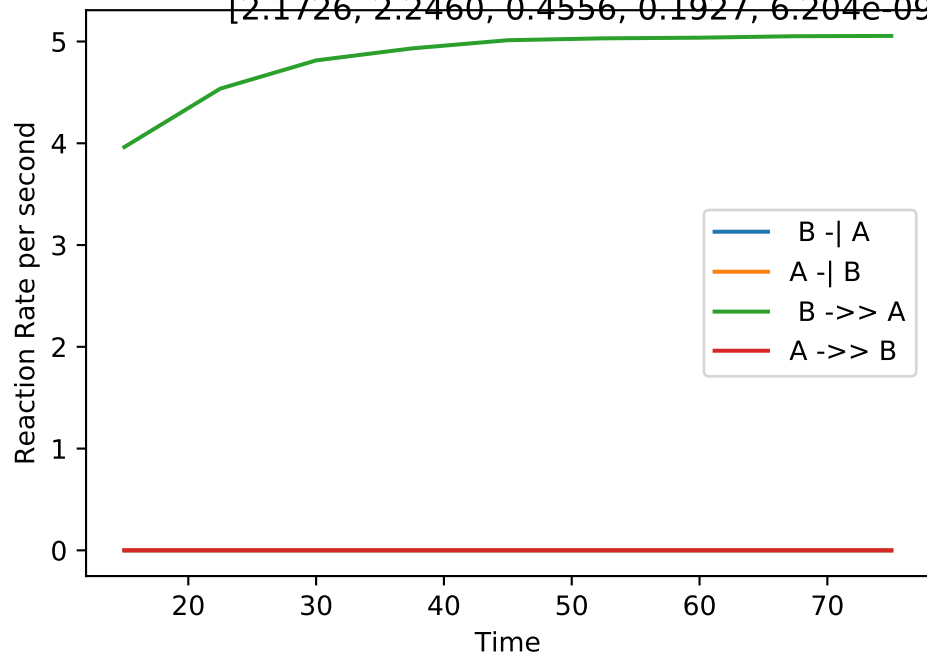
No_up | MB-LLS No_up(#165):

[2.3608, 2.2690, 0.4045, 0.1784, 1.093e-09, 8.144e-10, 0.1042, 0.2354, 0.1137, 0.0045]



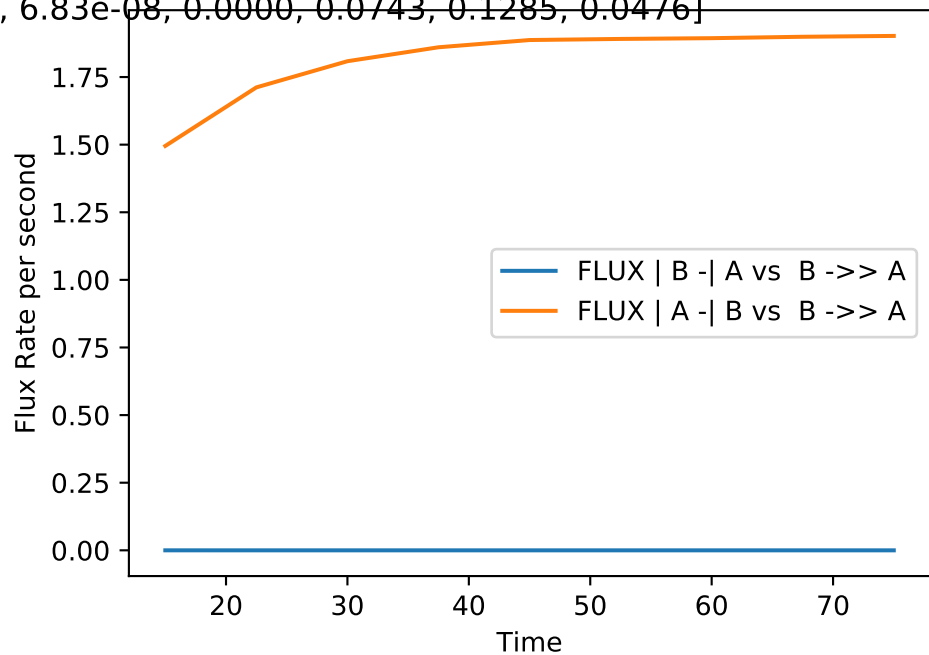
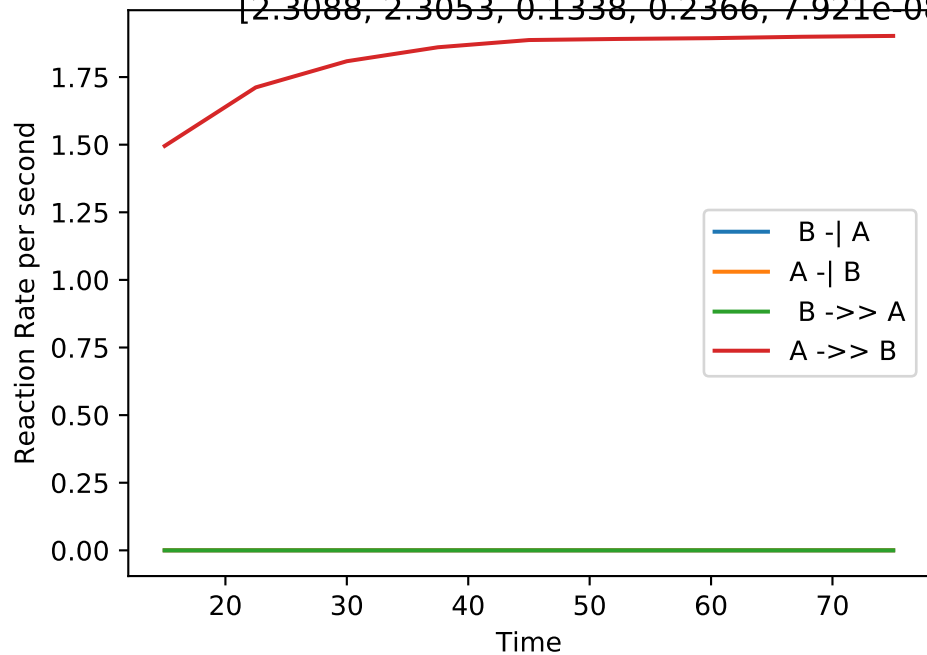
No_up | MB-LLS No_up(#166):

[2.1726, 2.2460, 0.4556, 0.1927, 6.204e-09, 1.394e-09, 0.1265, 0.2682, 0.1320, 0.0000]



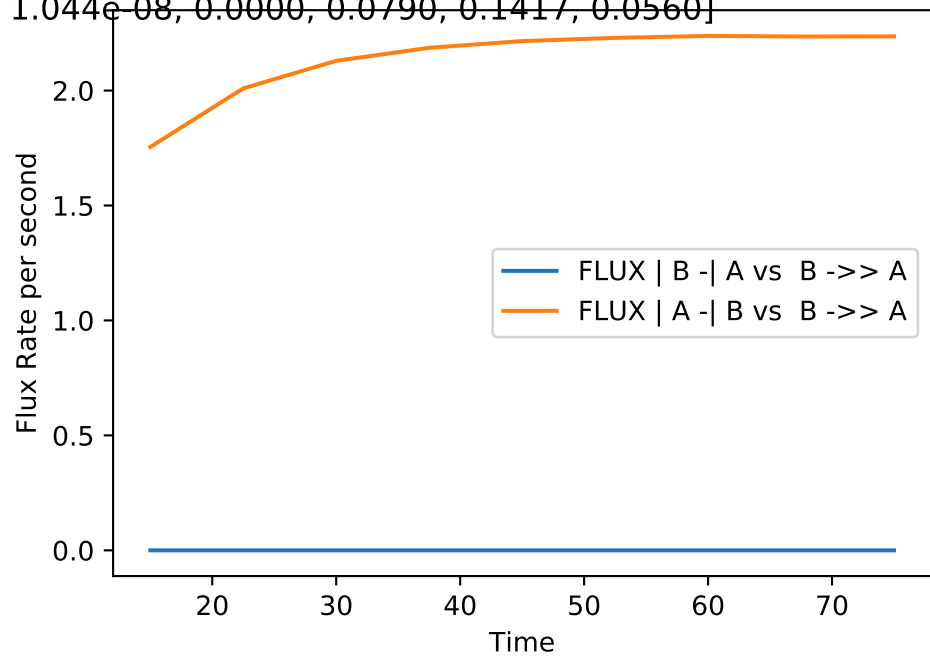
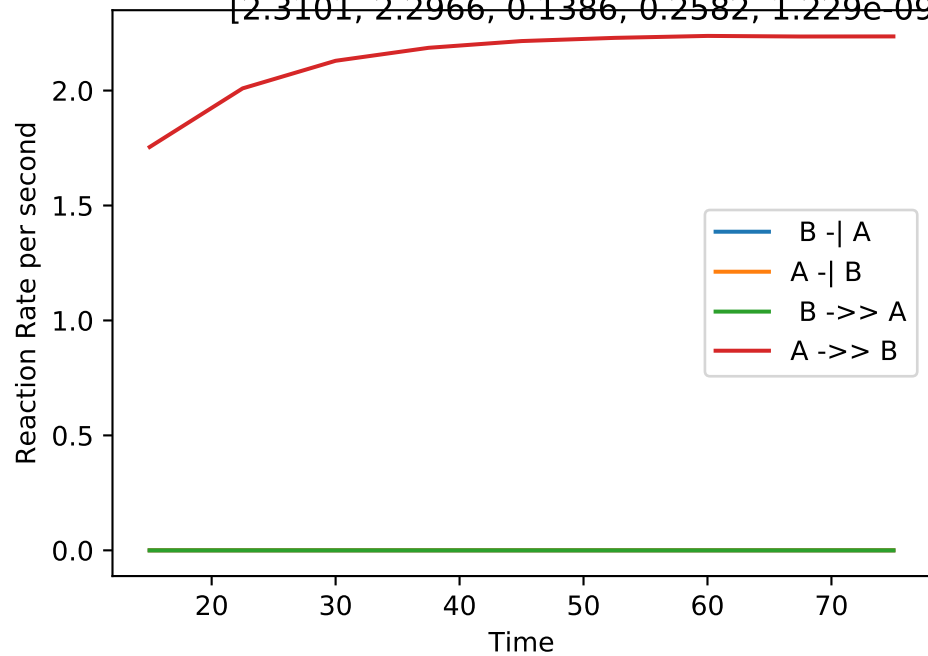
No_up | MB-LLS No_up(#167):

[2.3088, 2.3053, 0.1338, 0.2366, 7.921e-08, 6.83e-08, 0.0000, 0.0743, 0.1285, 0.0476]



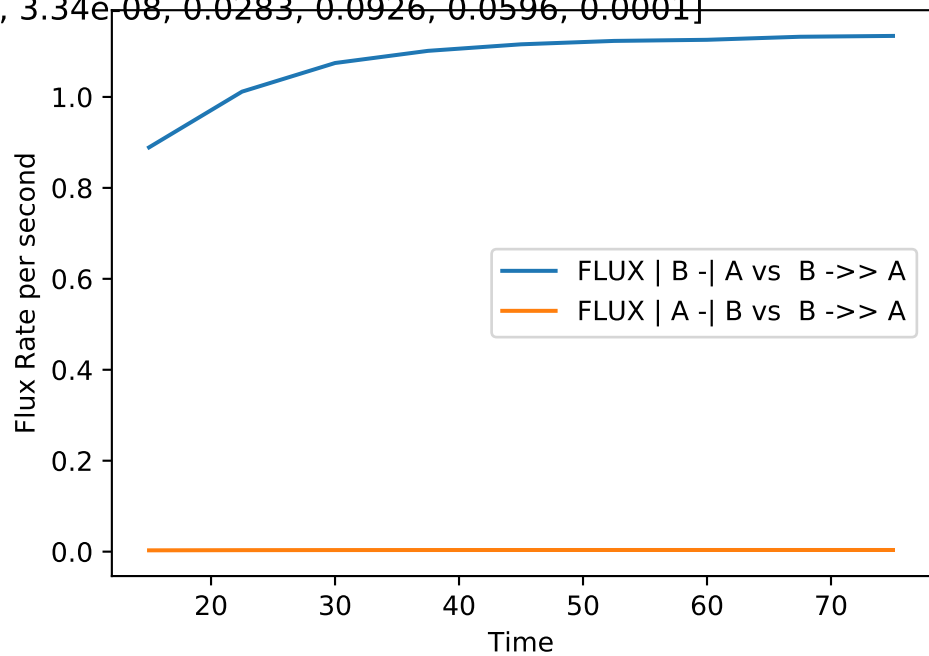
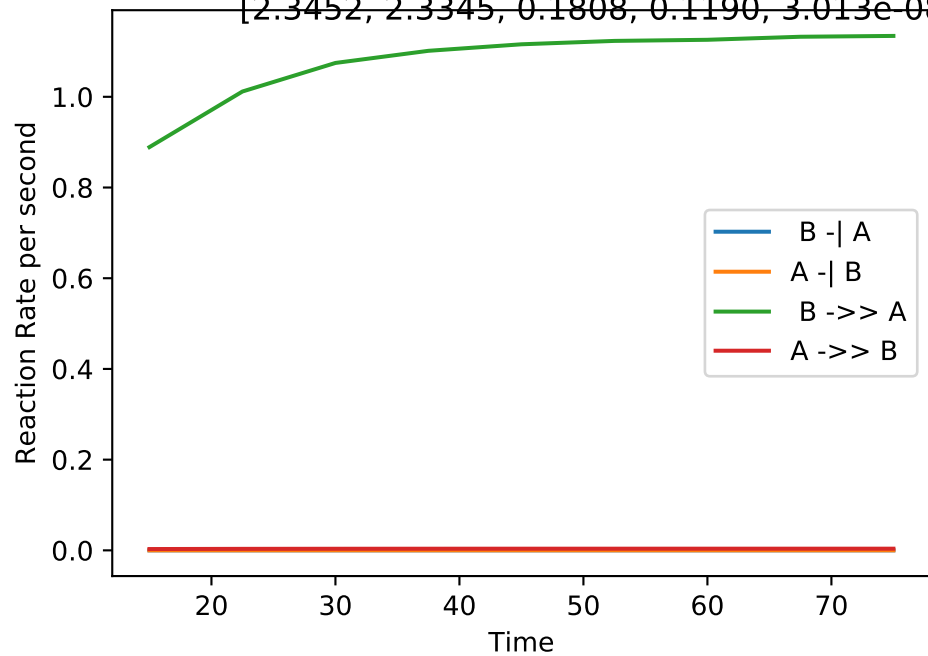
No_up | MB-LLS No_up(#168):

[2.3101, 2.2966, 0.1386, 0.2582, 1.229e-09, 1.044e-08, 0.0000, 0.0790, 0.1417, 0.0560]



No_up | MB-LLS No_up(#169):

[2.3452, 2.3345, 0.1808, 0.1190, 3.013e-08, 3.34e-08, 0.0283, 0.0926, 0.0596, 0.0001]



No_up | MB-LLS No_up(#170):

[2.2745, 2.2873, 0.3400, 0.3321, 2.582e-08, 7.315e-08, 0.0647, 0.2123, 0.2045, 0.0646]

Reaction Rate per second

2.5
2.0
1.5
1.0
0.5
0.0

20

30

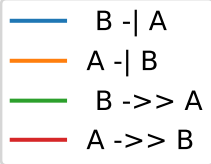
40

50

60

70

Time



Flux Rate per second

2.6
2.5
2.4
2.3
2.2
2.1
2.0

20

30

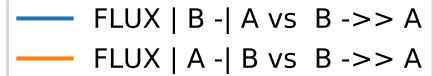
40

50

60

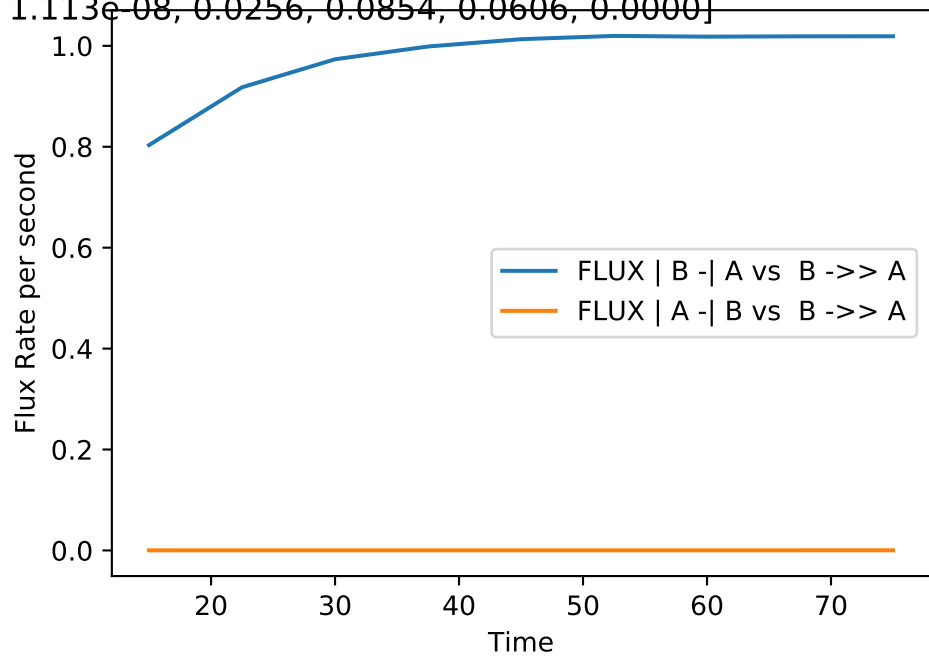
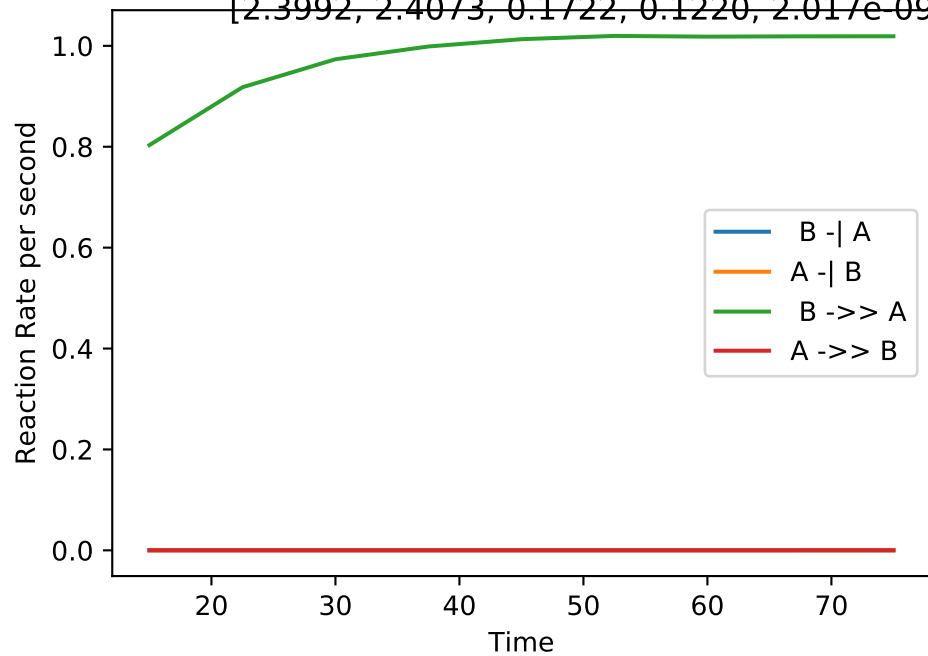
70

Time



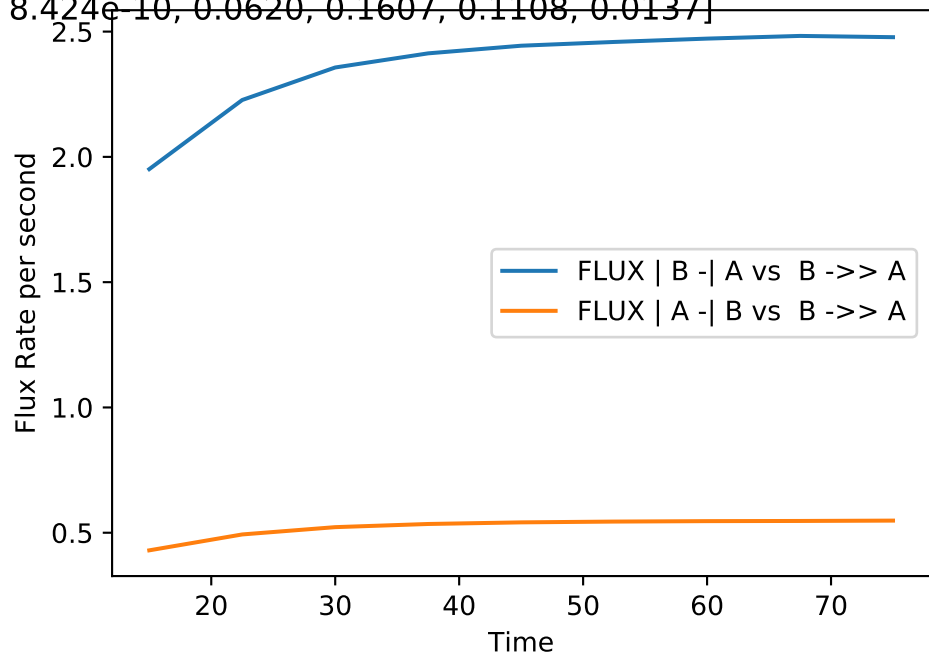
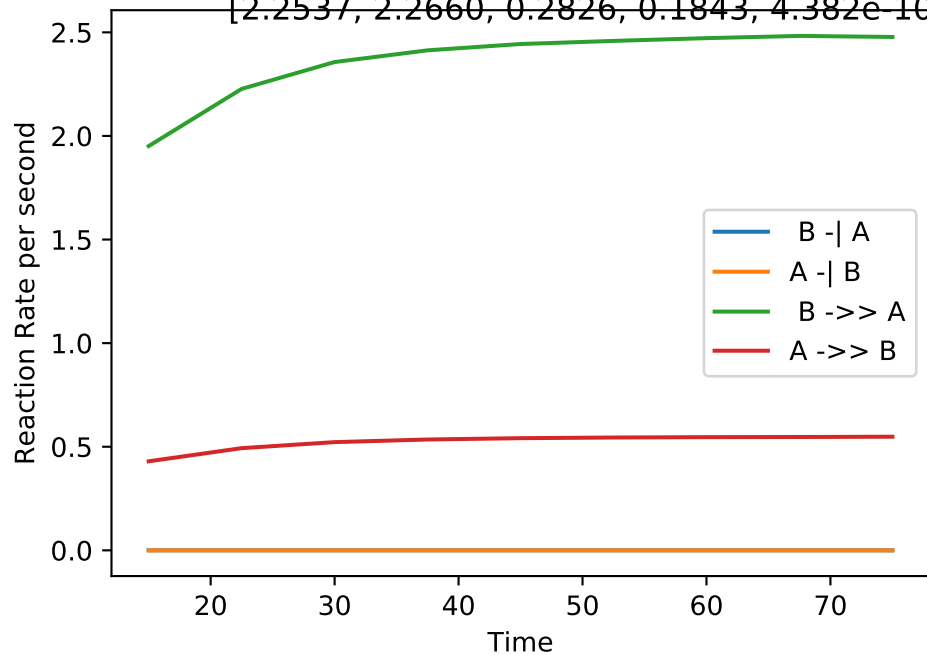
No_up | MB-LLS No_up(#171):

[2.3992, 2.4073, 0.1722, 0.1220, 2.017e-09, 1.113e-08, 0.0256, 0.0854, 0.0606, 0.0000]



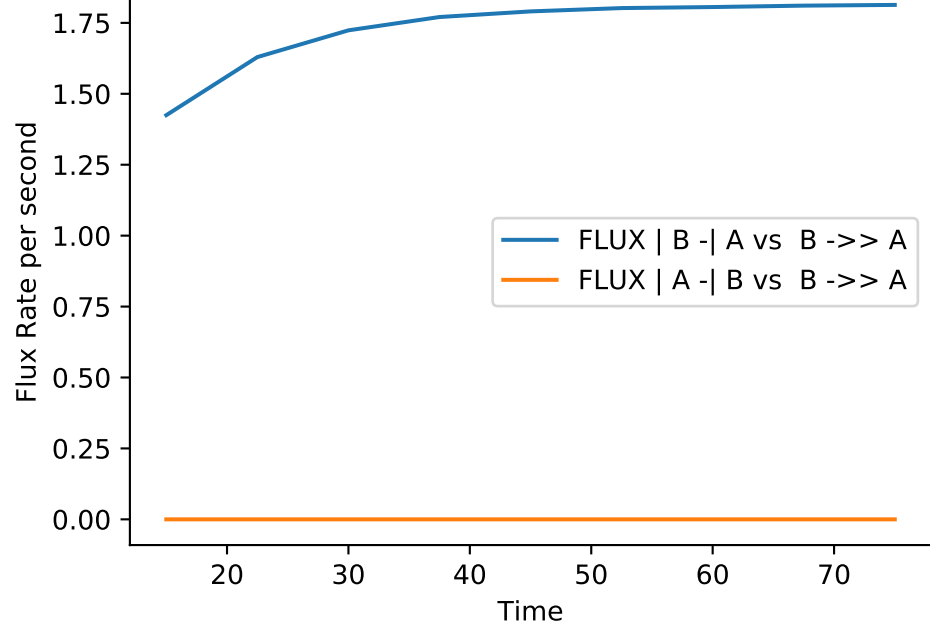
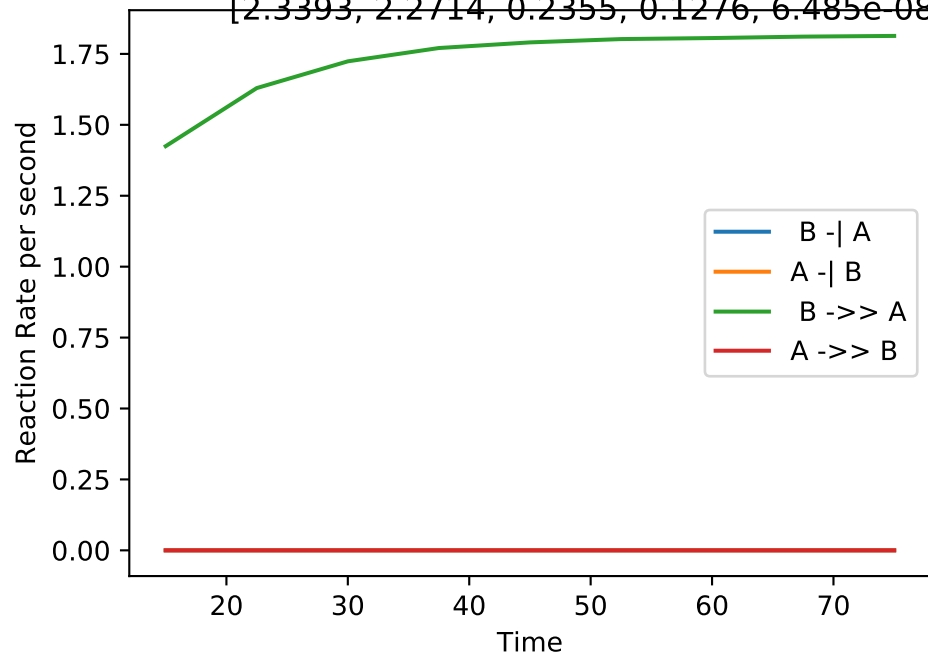
No_up | MB-LLS No_up(#172):

[2.2537, 2.2660, 0.2826, 0.1843, 4.382e-10, 8.424e-10, 0.0620, 0.1607, 0.1108, 0.0137]



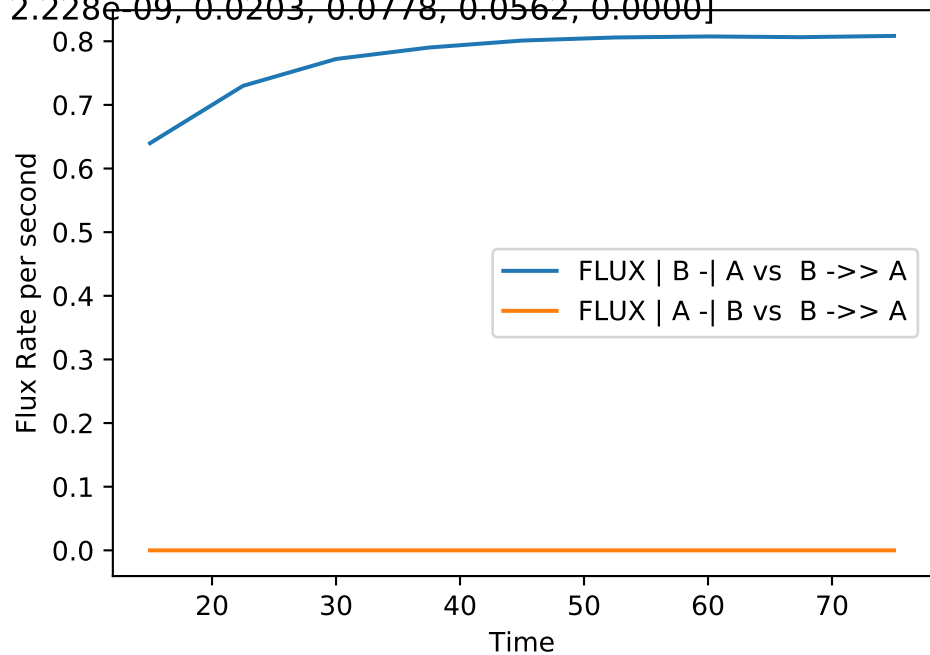
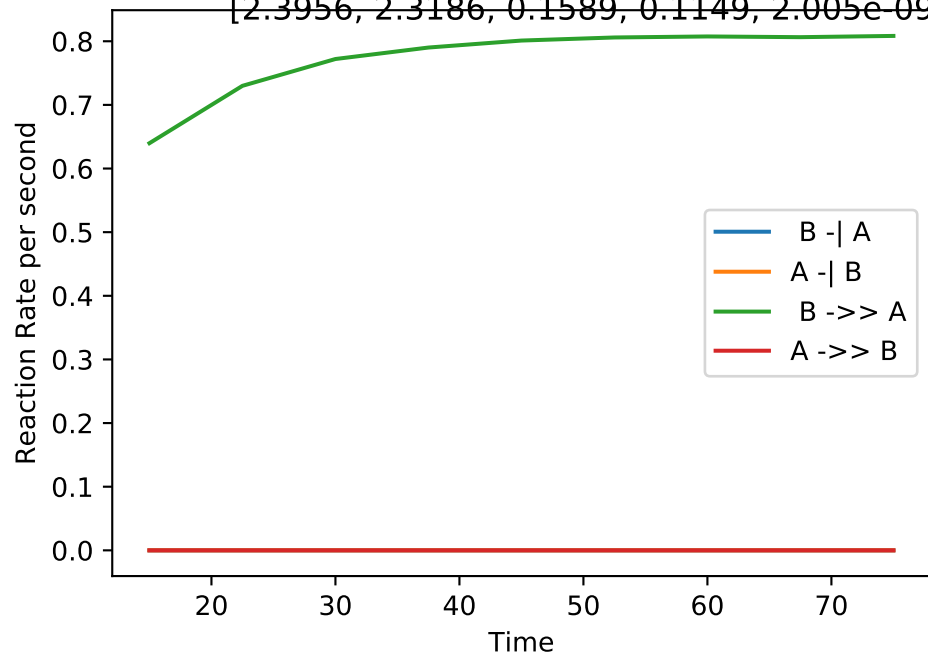
No_up | MB-LLS No_up(#173):

[2.3393, 2.2714, 0.2355, 0.1276, 6.485e-08, 6.076e-09, 0.0453, 0.1291, 0.0694, 0.0000]



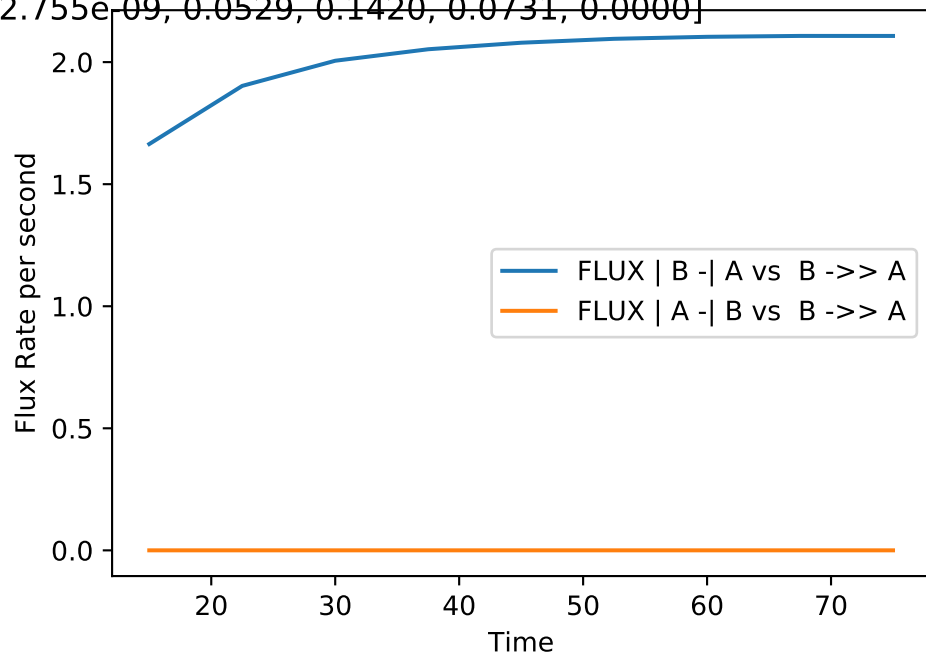
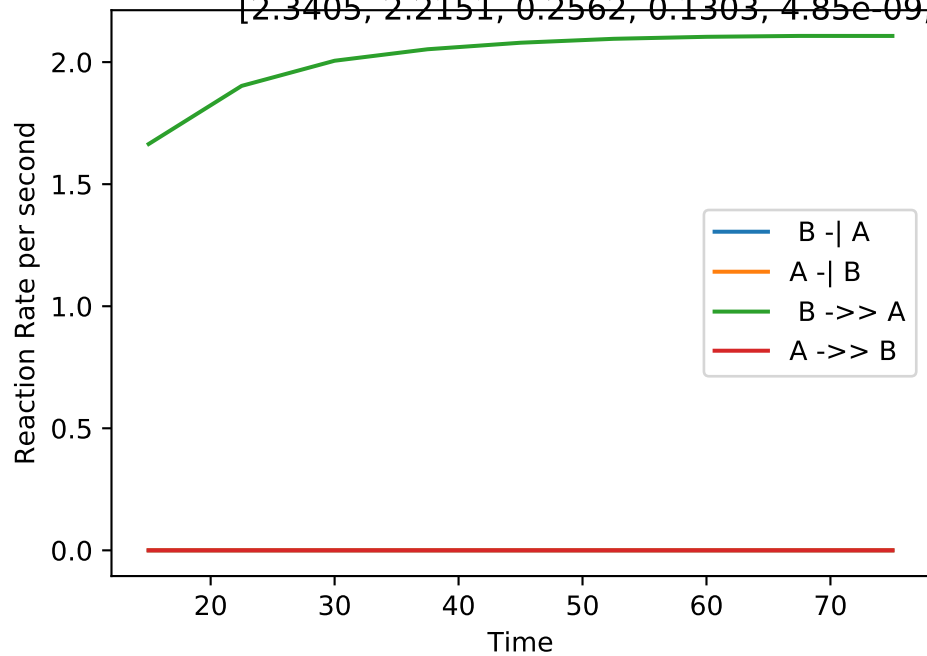
No_up | MB-LLS No_up(#174):

[2.3956, 2.3186, 0.1589, 0.1149, 2.005e-09, 2.228e-09, 0.0203, 0.0778, 0.0562, 0.0000]



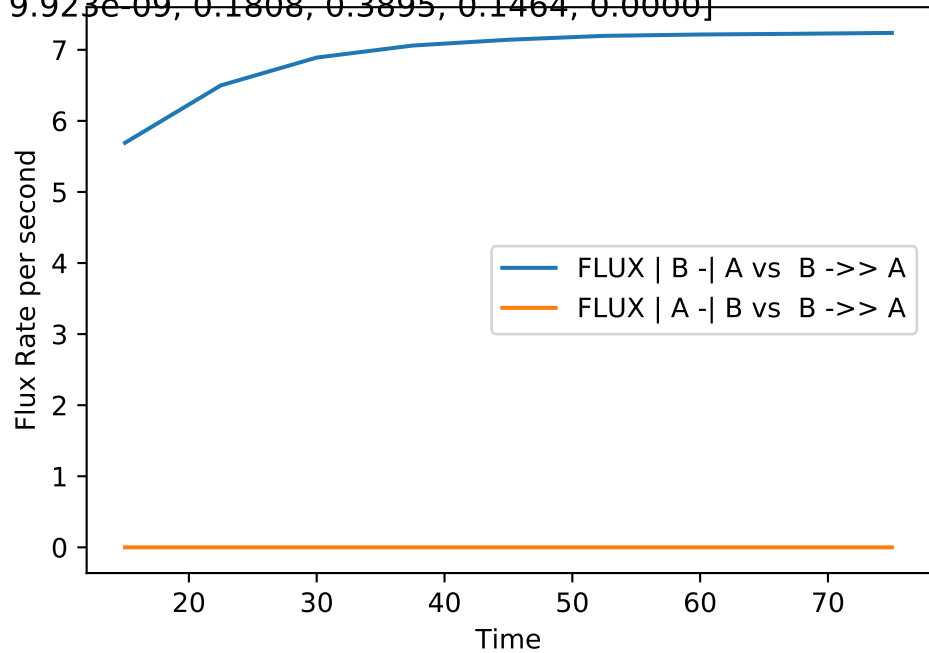
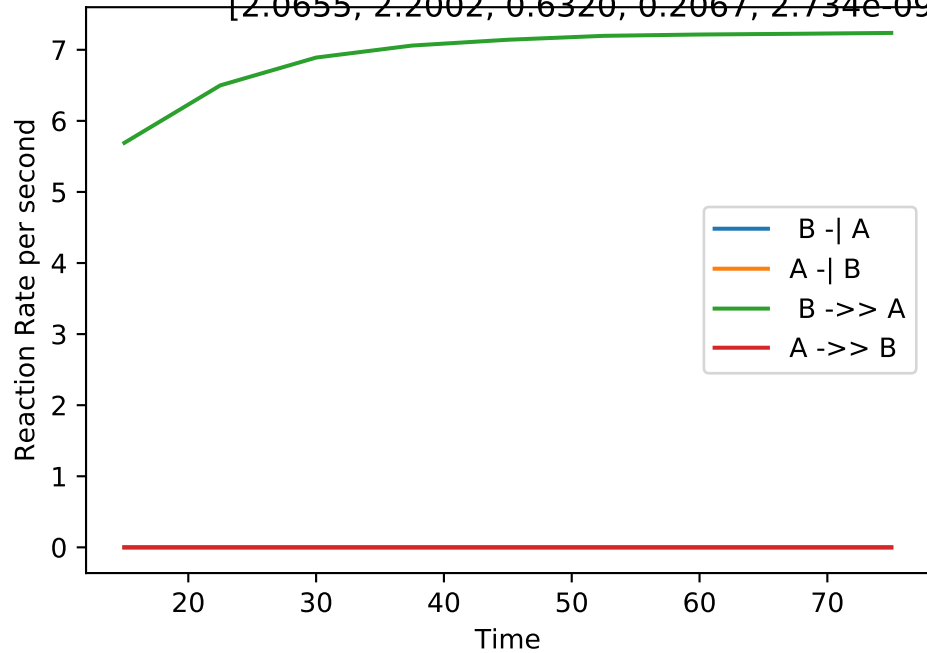
No_up | MB-LLS No_up(#175):

[2.3405, 2.2151, 0.2562, 0.1303, 4.85e-09, 2.755e-09, 0.0529, 0.1420, 0.0731, 0.0000]



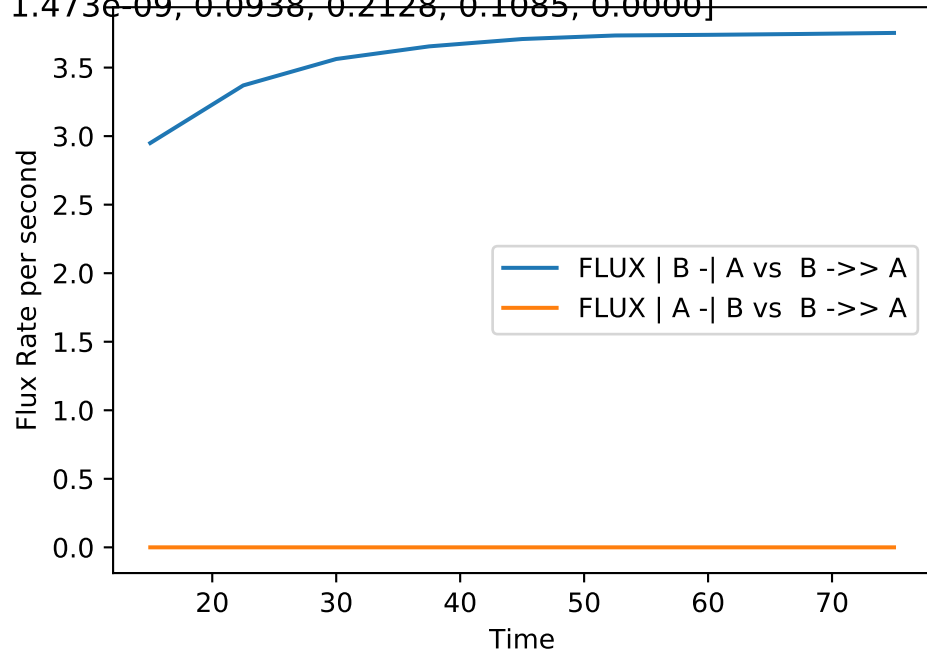
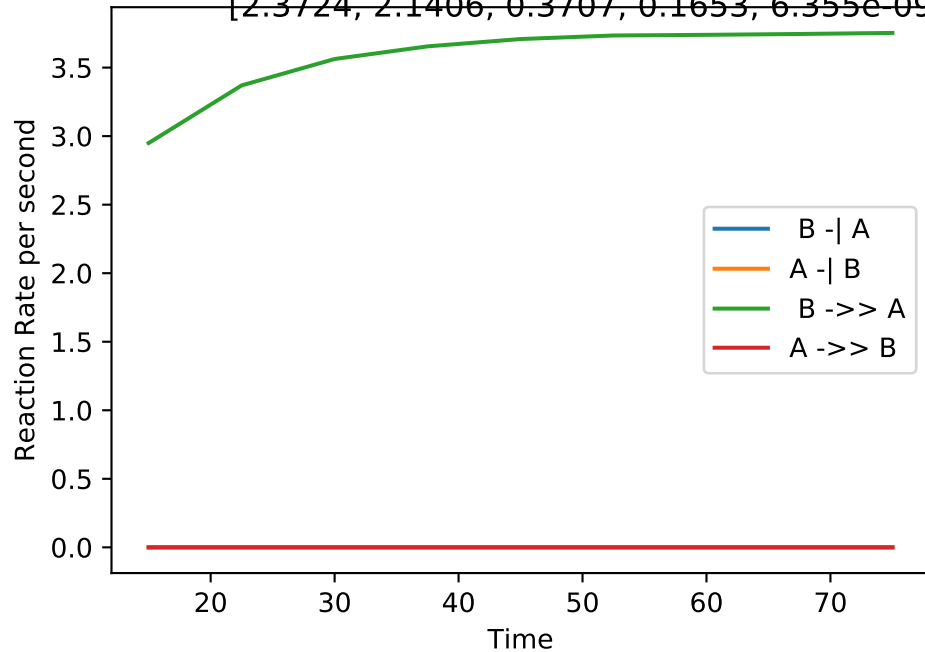
No_up | MB-LLS No_up(#176):

[2.0655, 2.2002, 0.6320, 0.2067, 2.734e-09, 9.923e-09, 0.1808, 0.3895, 0.1464, 0.0000]



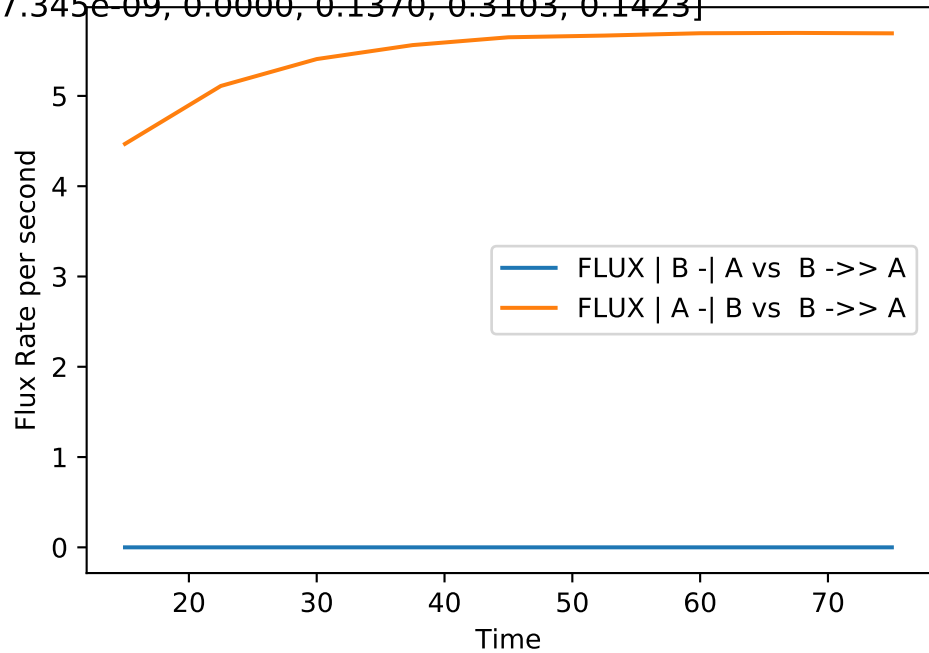
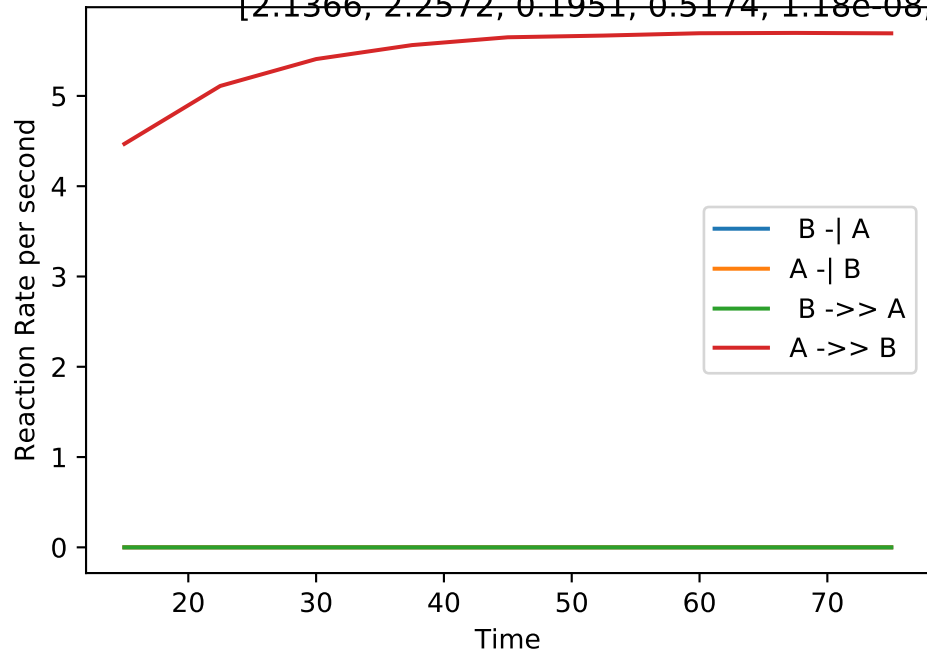
No_up | MB-LLS No_up(#177):

[2.3724, 2.1406, 0.3707, 0.1653, 6.355e-09, 1.473e-09, 0.0938, 0.2128, 0.1085, 0.0000]



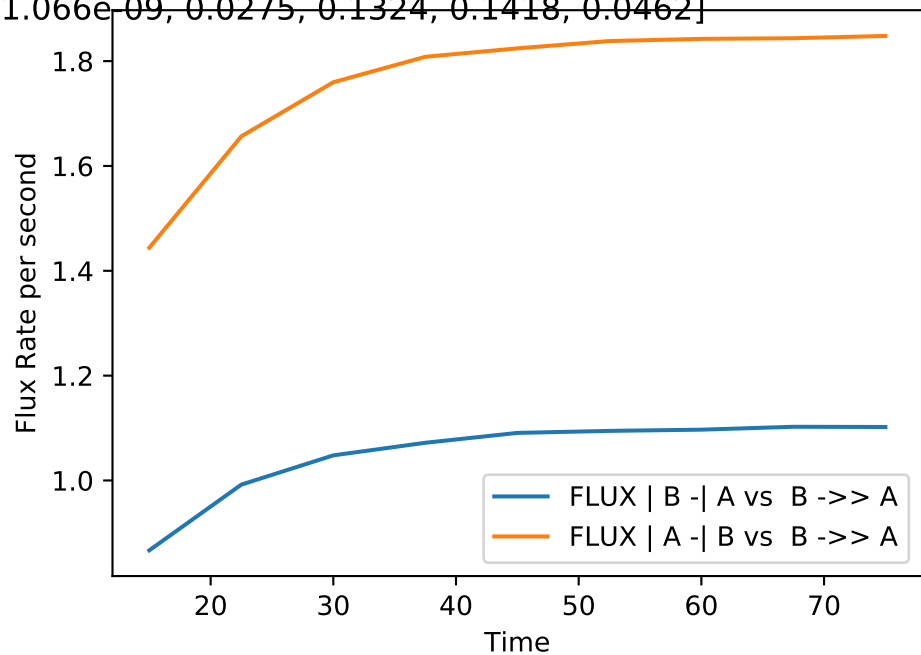
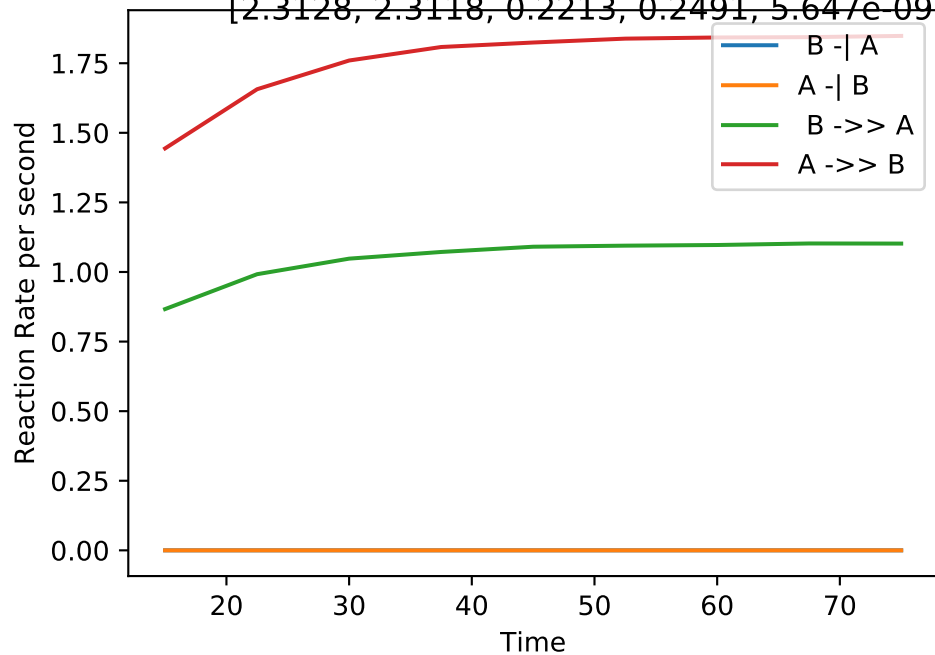
No_up | MB-LLS No_up(#178):

[2.1366, 2.2572, 0.1951, 0.5174, 1.18e-08, 7.345e-09, 0.0000, 0.1370, 0.3103, 0.1423]



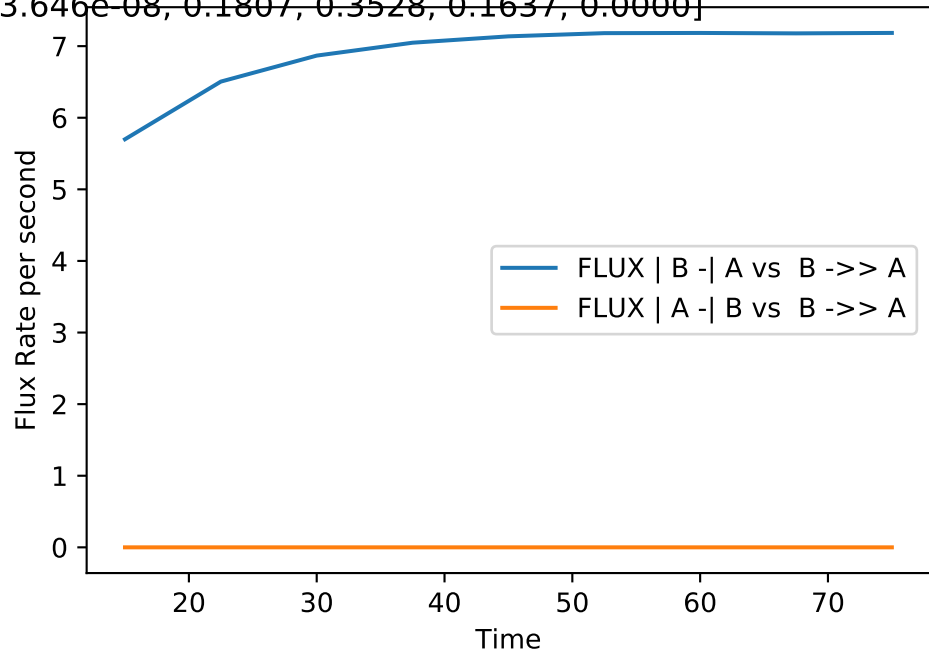
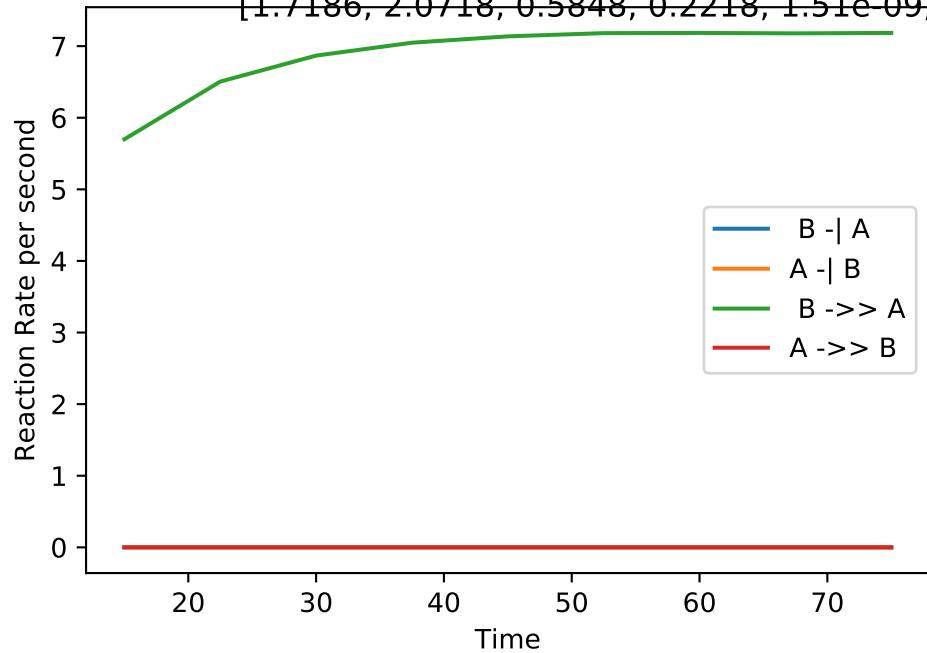
No_up | MB-LLS No_up(#179):

[2.3128, 2.3118, 0.2213, 0.2491, 5.647e-09, 1.066e-09, 0.0275, 0.1324, 0.1418, 0.0462]



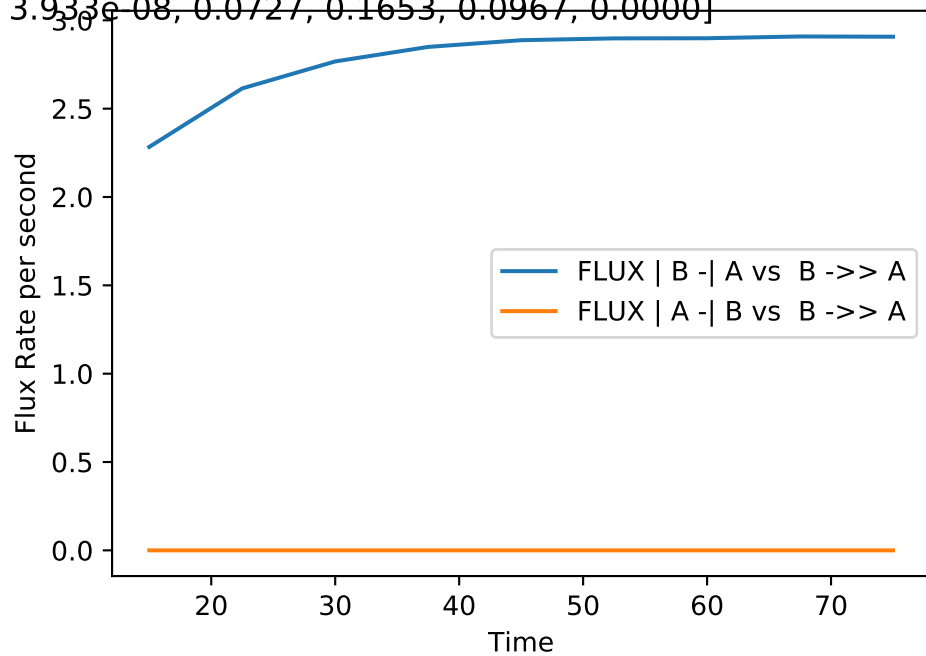
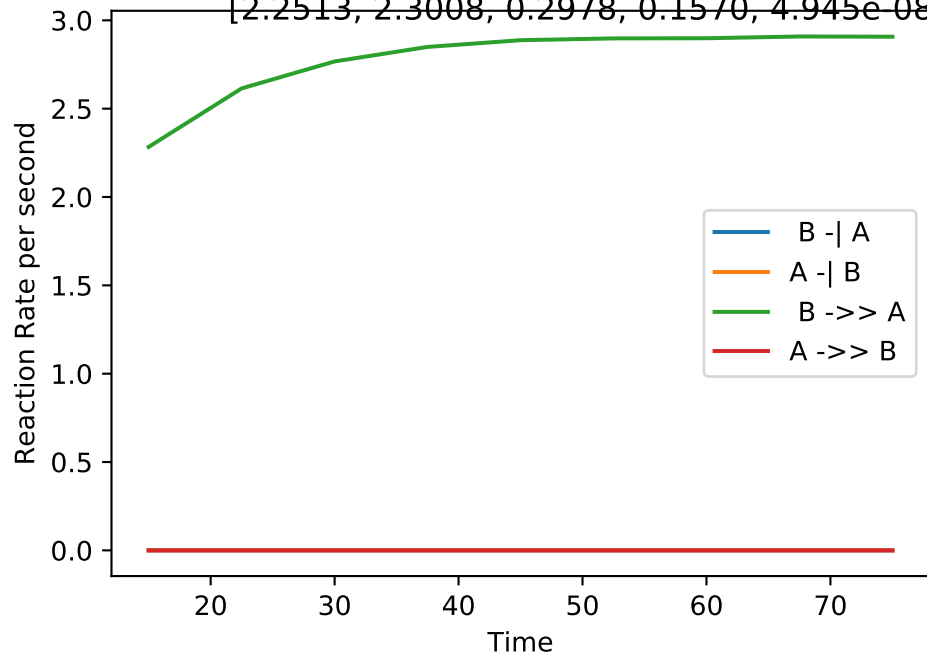
No_up | MB-LLS No_up(#180):

[1.7186, 2.0718, 0.5848, 0.2218, 1.51e-09, 3.646e-08, 0.1807, 0.3528, 0.1637, 0.0000]



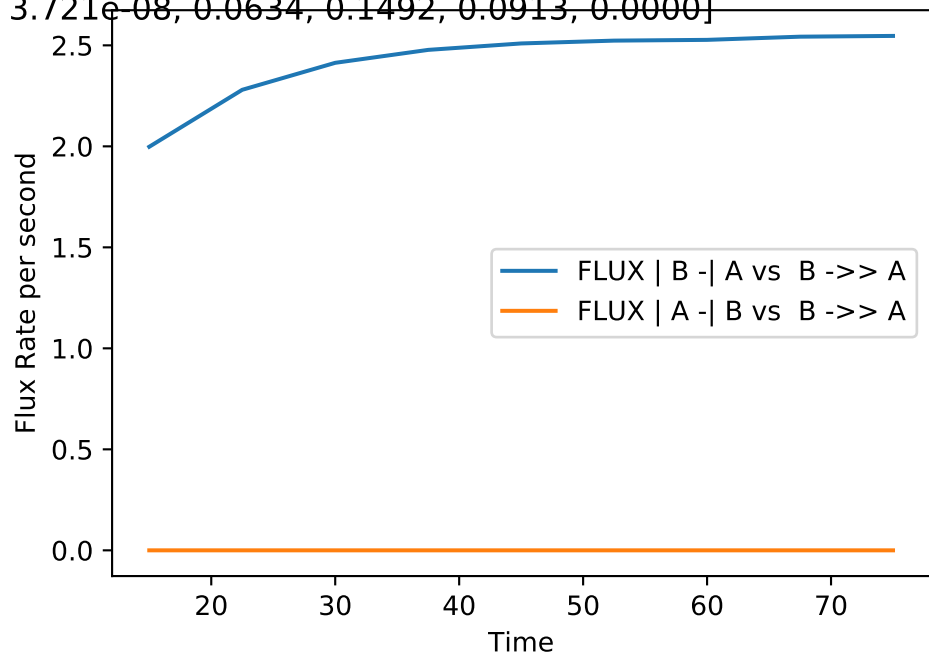
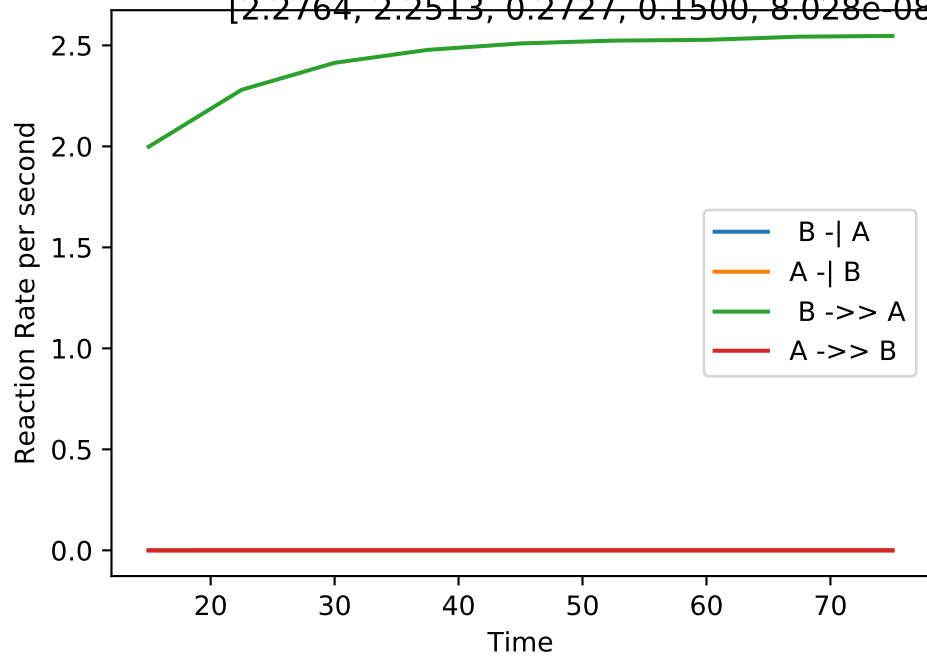
No_up | MB-LLS No_up(#181):

[2.2513, 2.3008, 0.2978, 0.1570, 4.945e-08, 3.933e-08, 0.0727, 0.1653, 0.0967, 0.0000]



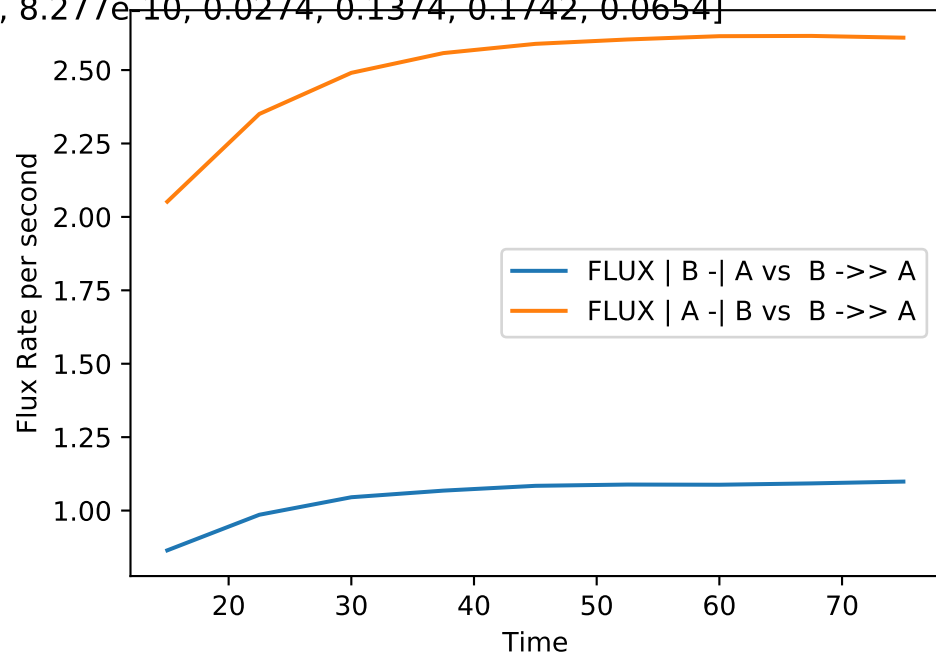
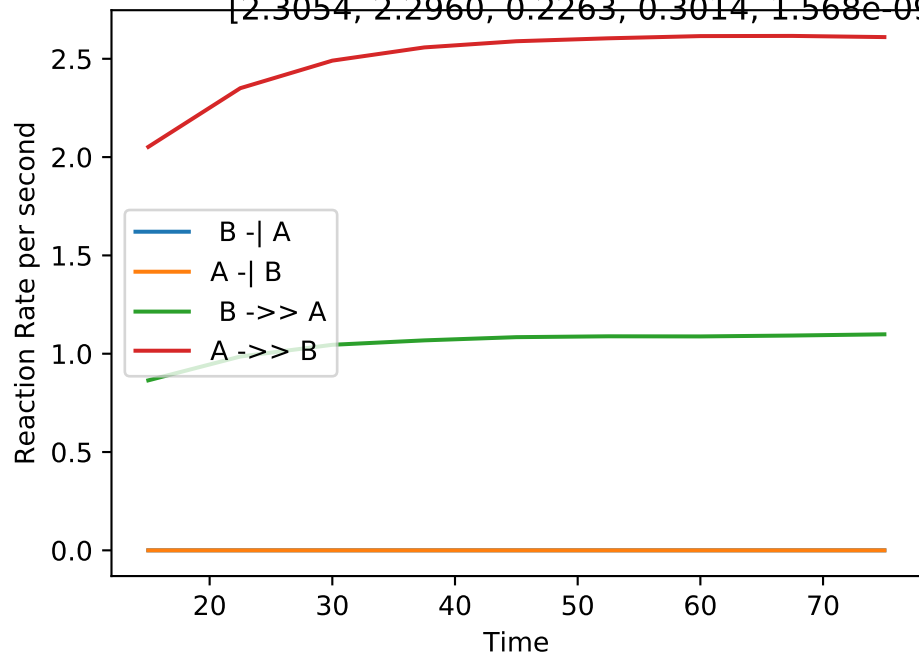
No_up | MB-LLS No_up(#182):

[2.2764, 2.2513, 0.2727, 0.1500, 8.028e-08, 3.721e-08, 0.0634, 0.1492, 0.0913, 0.0000]



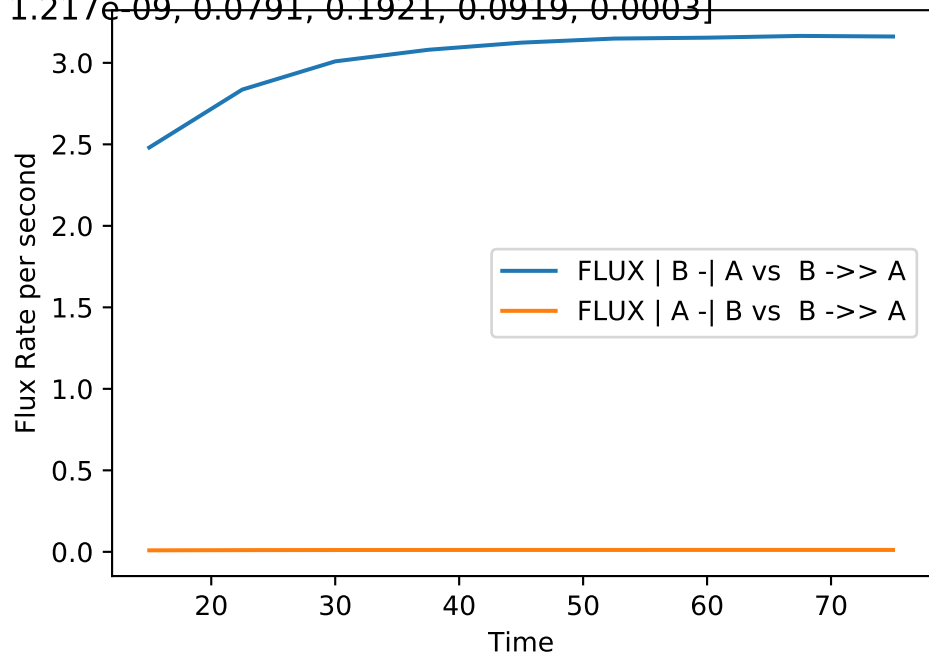
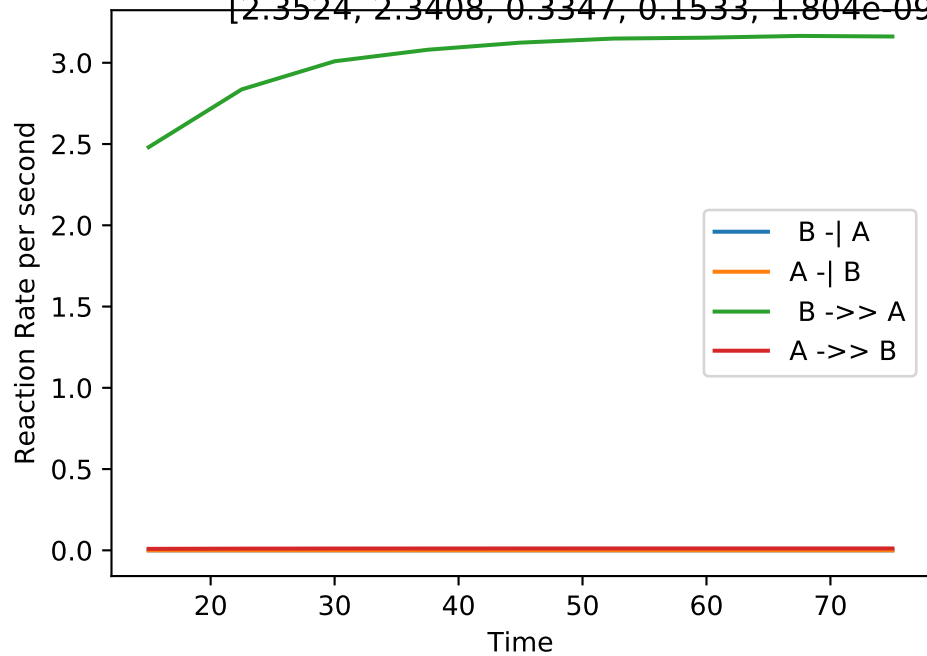
No_up | MB-LLS No_up(#183):

[2.3054, 2.2960, 0.2263, 0.3014, 1.568e-09, 8.277e-10, 0.0274, 0.1374, 0.1742, 0.0654]



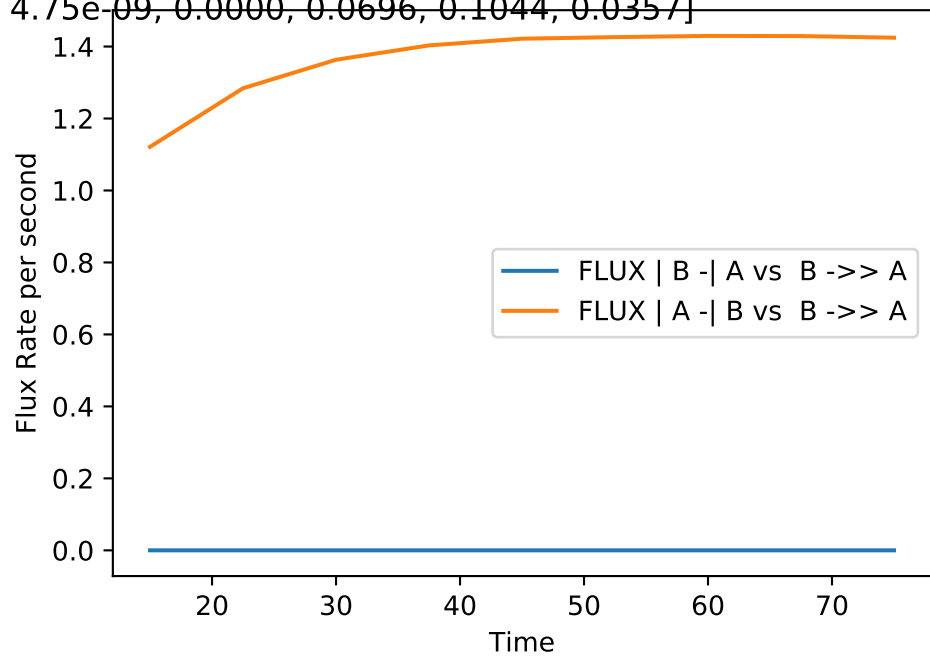
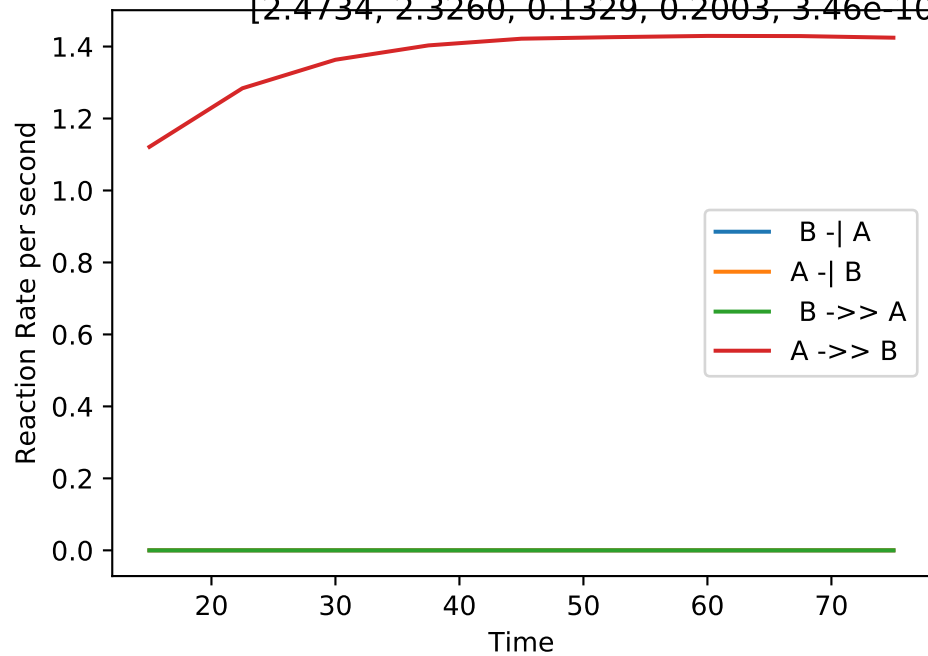
No_up | MB-LLS No_up(#184):

[2.3524, 2.3408, 0.3347, 0.1533, 1.804e-09, 1.217e-09, 0.0791, 0.1921, 0.0919, 0.0003]



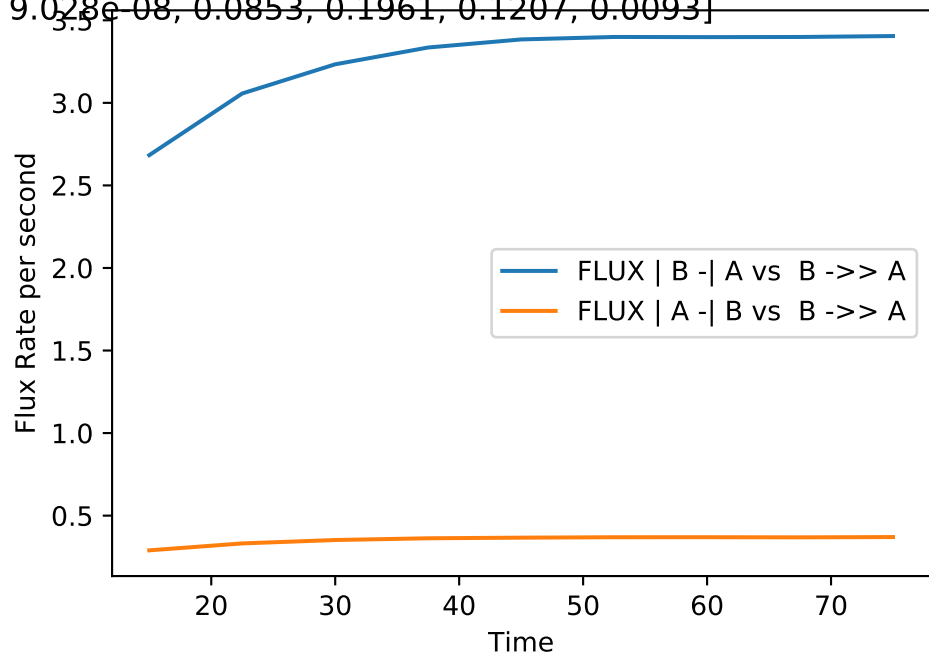
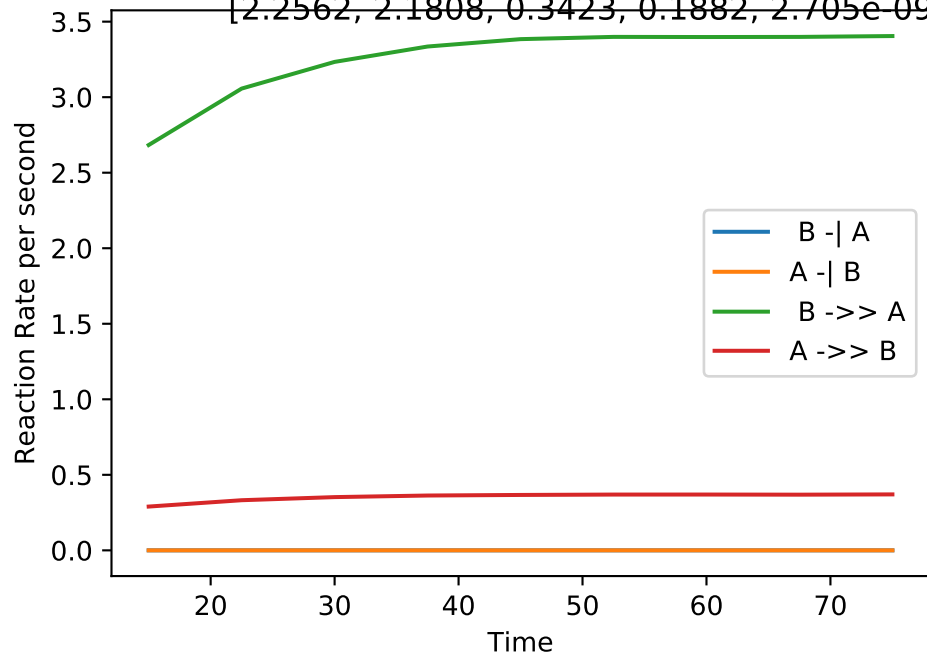
No_up | MB-LLS No_up(#185):

[2.4734, 2.3260, 0.1329, 0.2003, 3.46e-10, 4.75e-09, 0.0000, 0.0696, 0.1044, 0.0357]



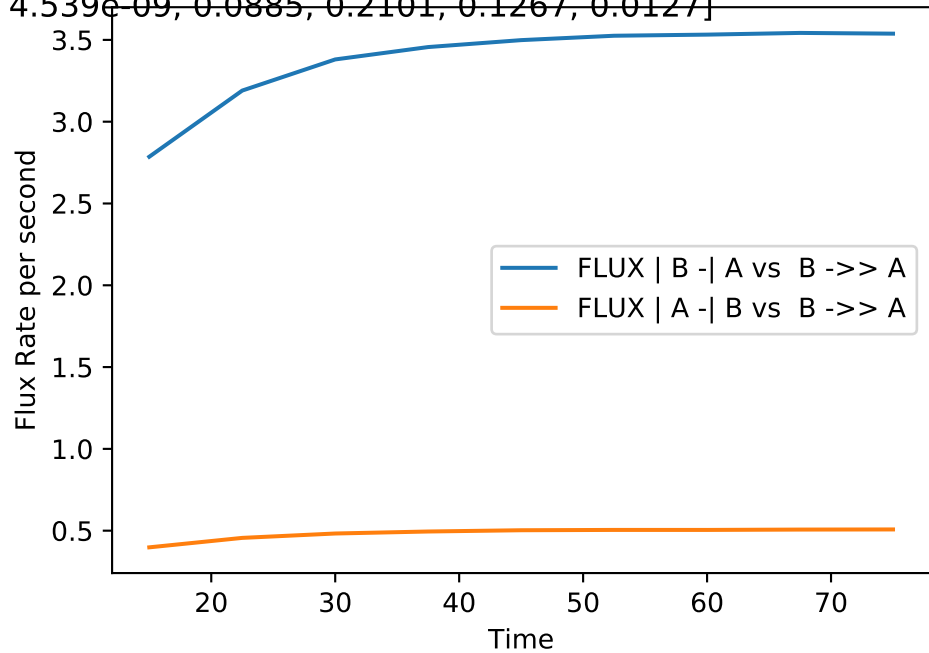
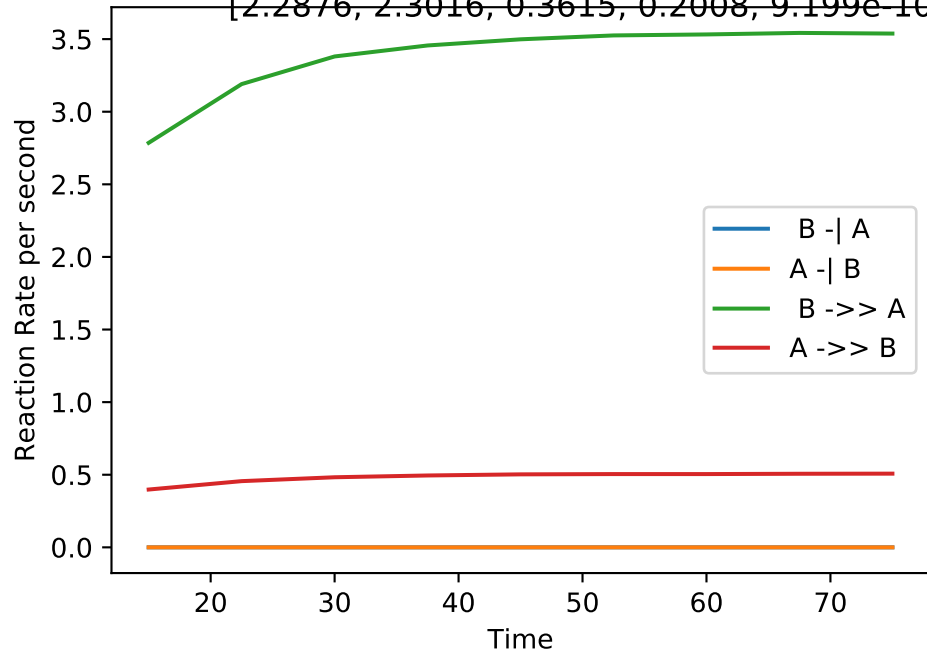
No_up | MB-LLS No_up(#186):

[2.2562, 2.1808, 0.3423, 0.1882, 2.705e-09, 9.028e-08, 0.0853, 0.1961, 0.1207, 0.0093]



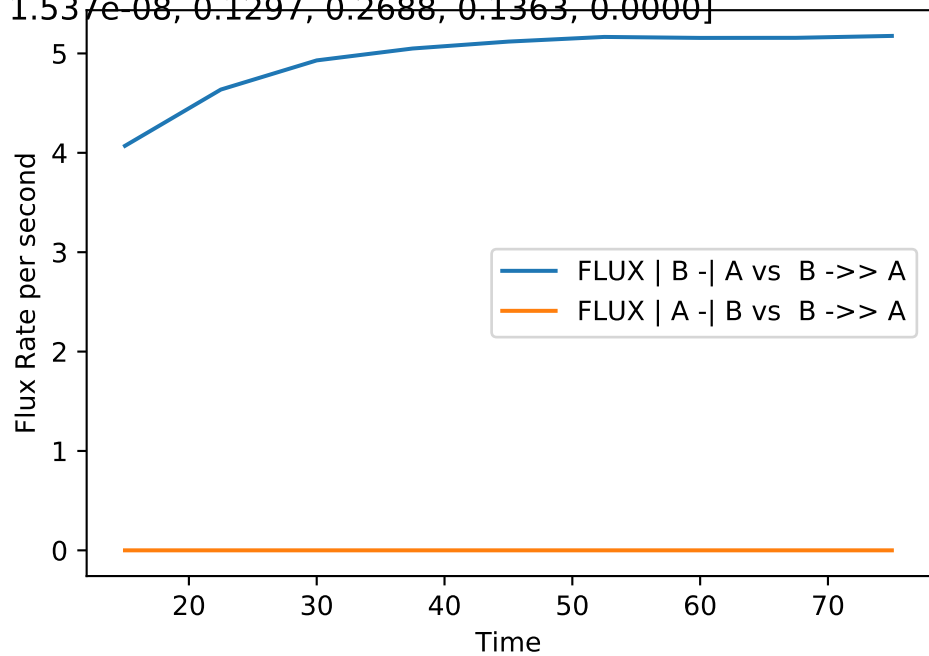
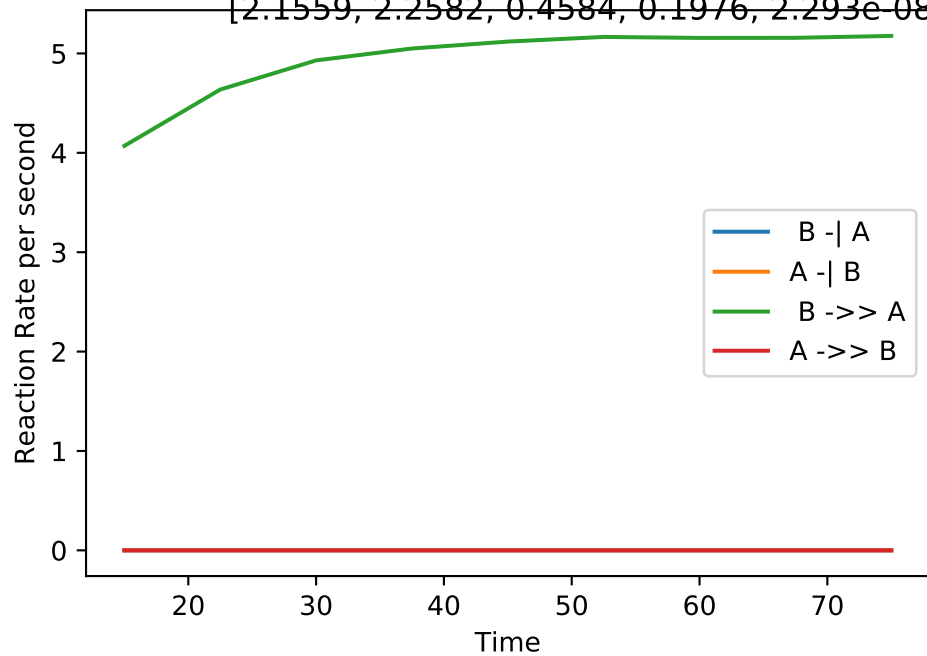
No_up | MB-LLS No_up(#187):

[2.2876, 2.3016, 0.3615, 0.2008, 9.199e-10, 4.539e-09, 0.0885, 0.2101, 0.1267, 0.0127]



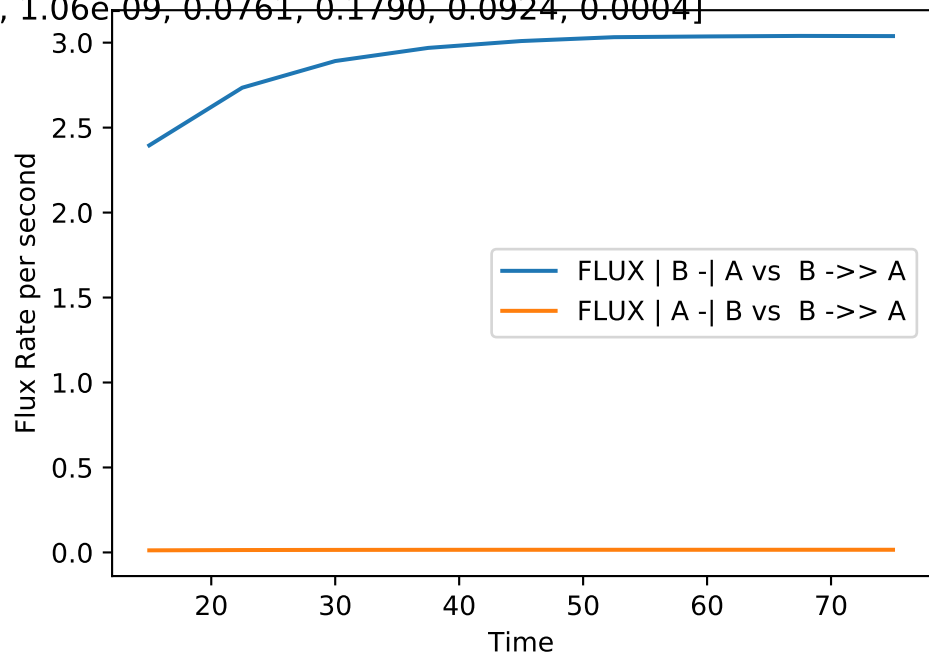
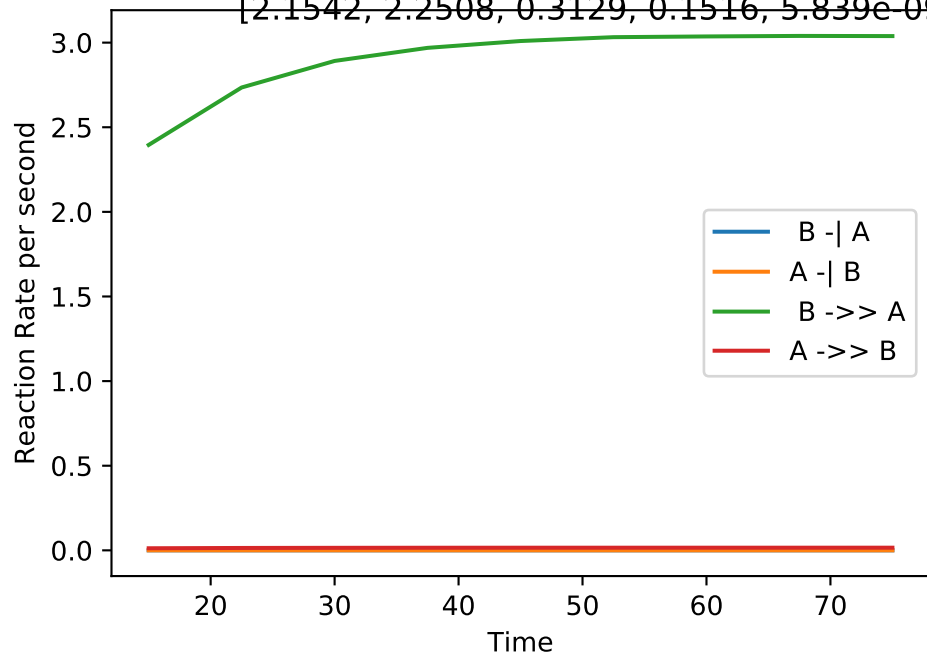
No_up | MB-LLS No_up(#188):

[2.1559, 2.2582, 0.4584, 0.1976, 2.293e-08, 1.537e-08, 0.1297, 0.2688, 0.1363, 0.0000]



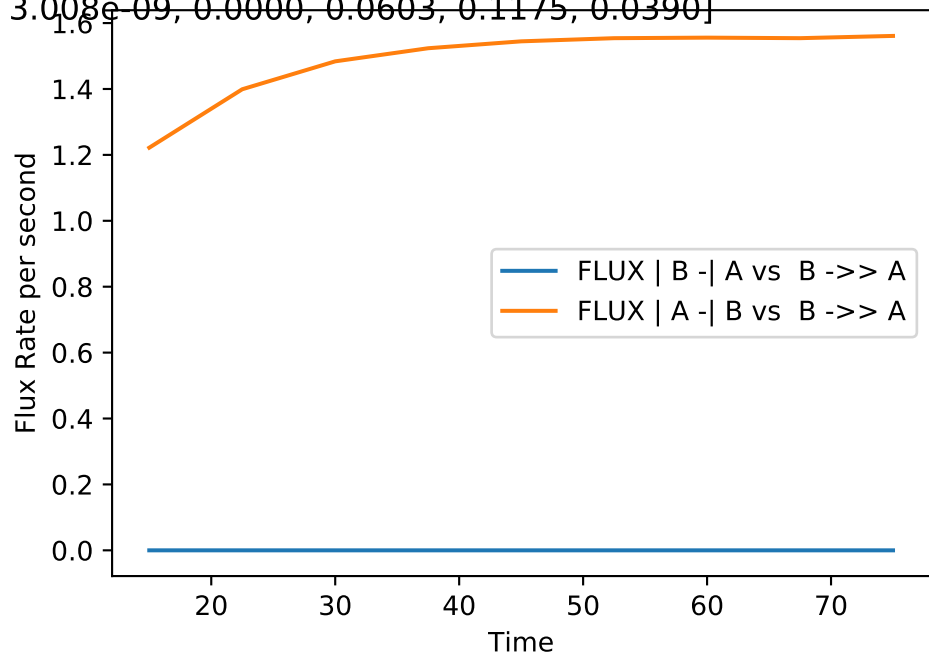
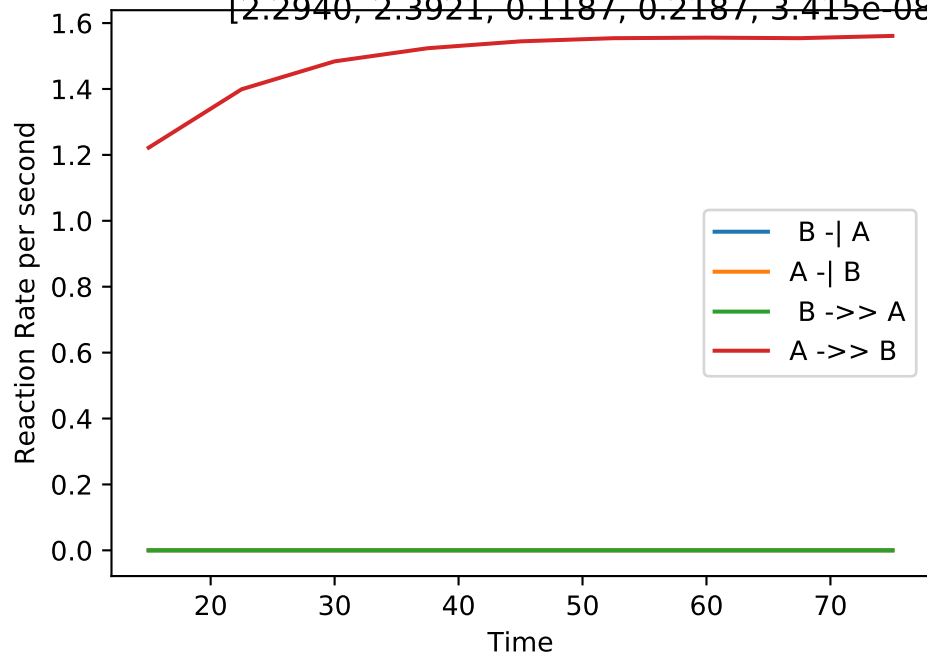
No_up | MB-LLS No_up(#189):

[2.1542, 2.2508, 0.3129, 0.1516, 5.839e-09, 1.06e-09, 0.0761, 0.1790, 0.0924, 0.0004]



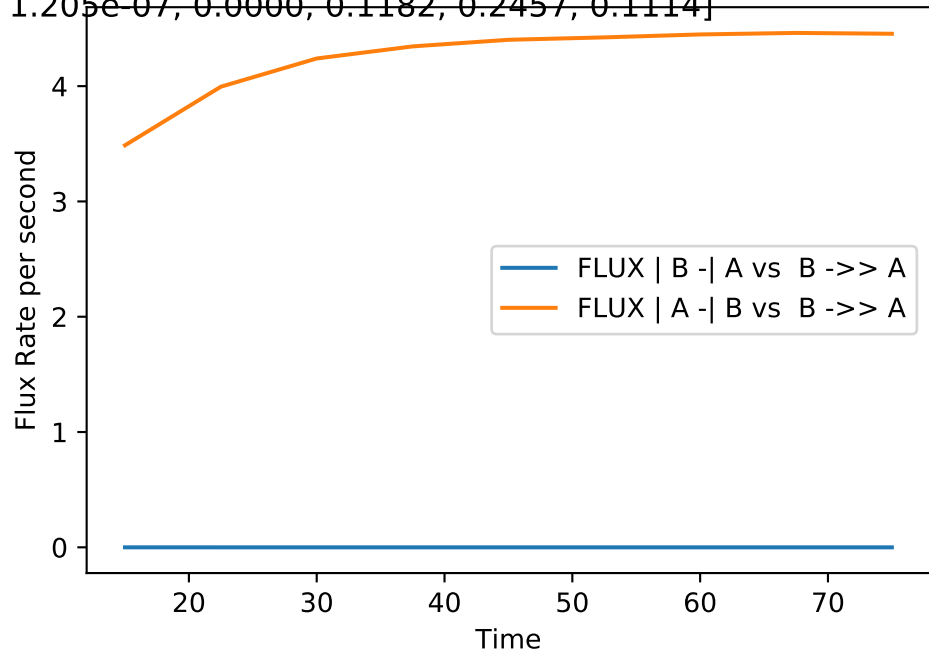
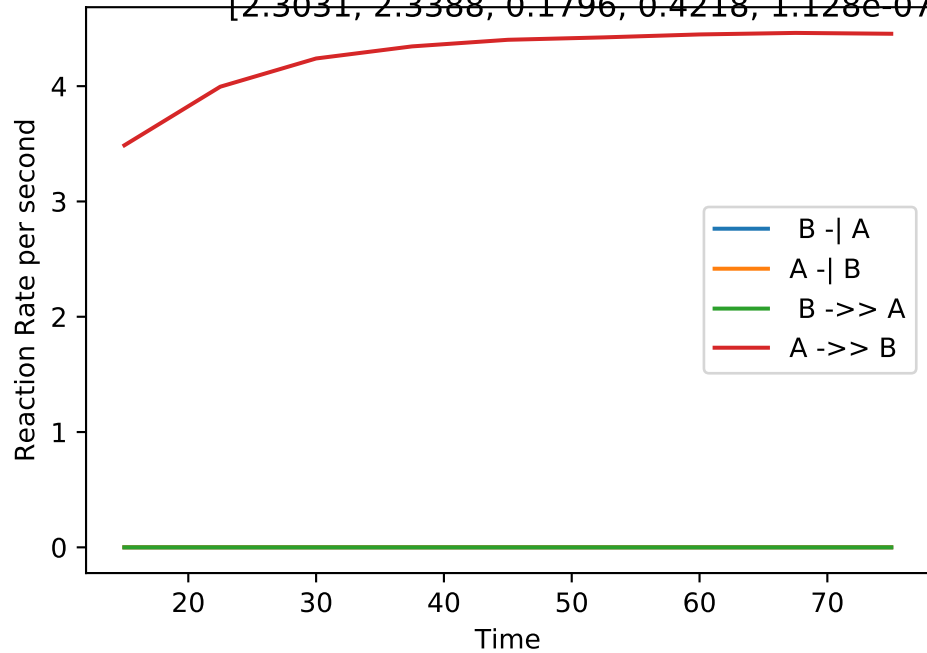
No_up | MB-LLS No_up(#190):

[2.2940, 2.3921, 0.1187, 0.2187, 3.415e-08, 3.008e-09, 0.0000, 0.0603, 0.1175, 0.0390]



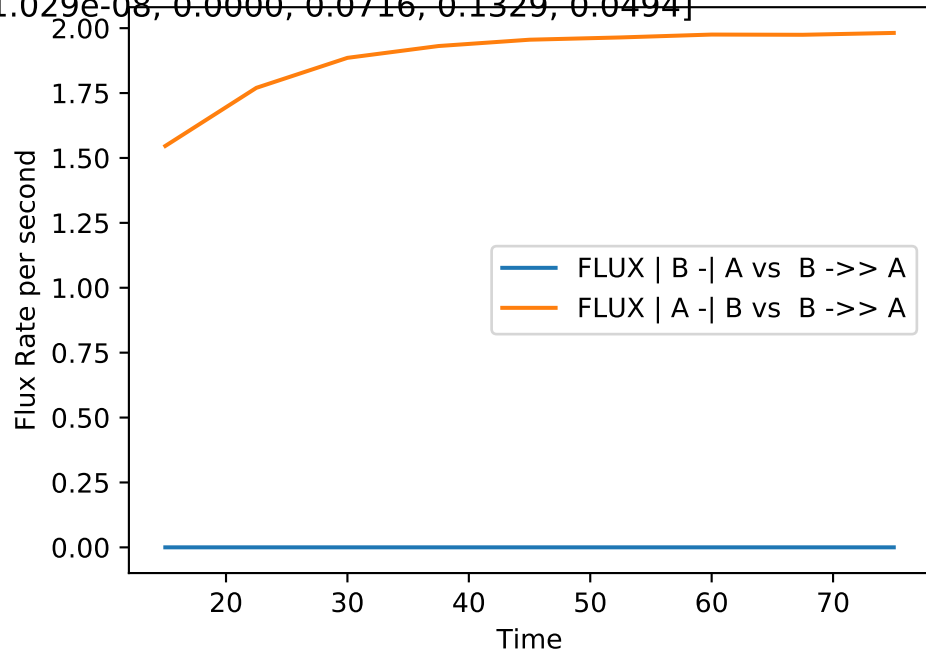
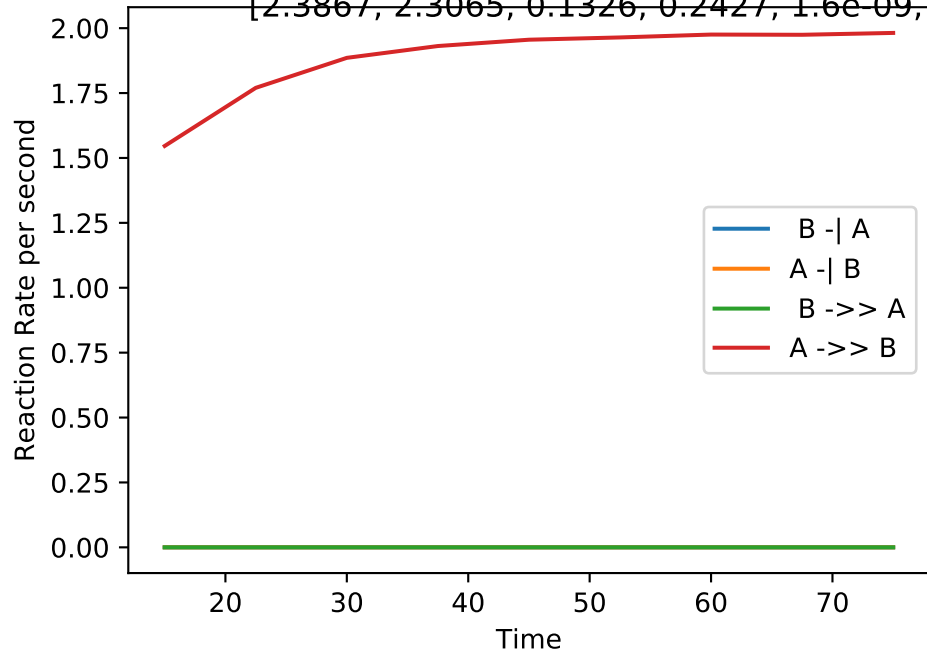
No_up | MB-LLS No_up(#191):

[2.3031, 2.3388, 0.1796, 0.4218, 1.128e-07, 1.205e-07, 0.0000, 0.1182, 0.2457, 0.1114]



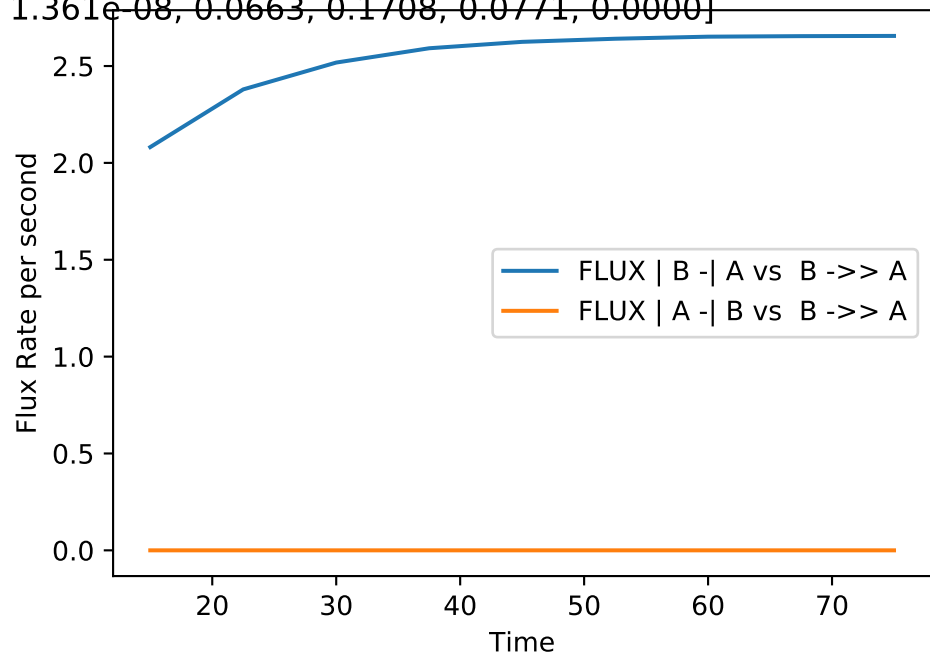
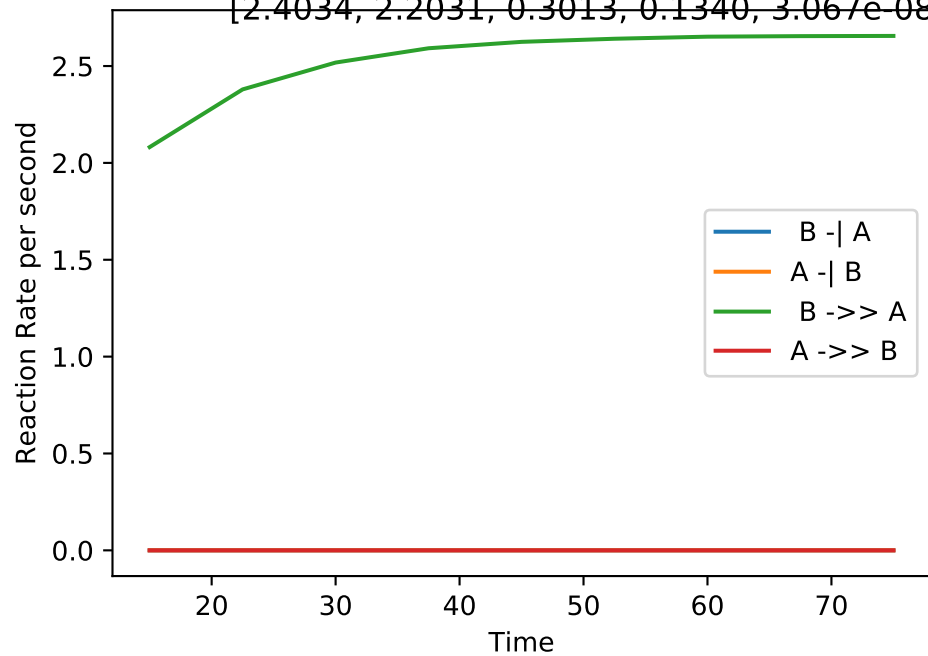
No_up | MB-LLS No_up(#192):

[2.3867, 2.3065, 0.1326, 0.2427, 1.6e-09, 1.029e-08, 0.0000, 0.0716, 0.1329, 0.0494]



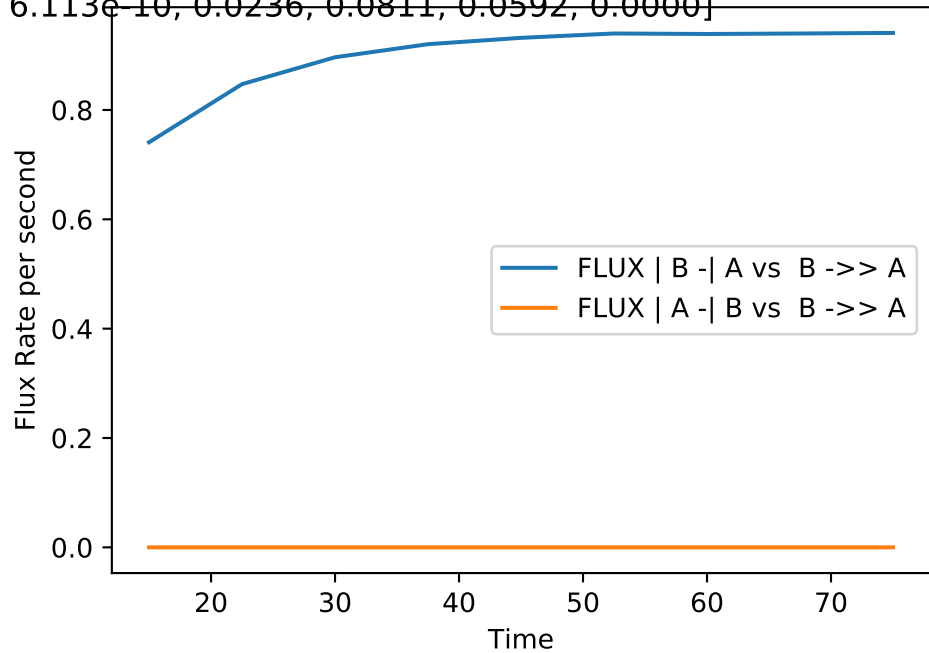
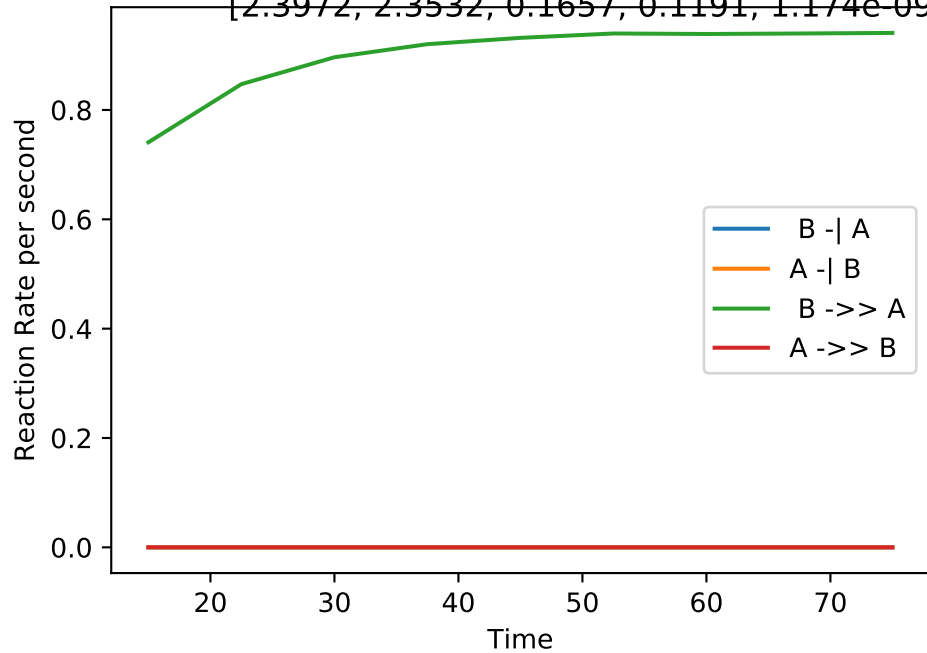
No_up | MB-LLS No_up(#193):

[2.4034, 2.2031, 0.3013, 0.1340, 3.067e-08, 1.361e-08, 0.0663, 0.1708, 0.0771, 0.0000]



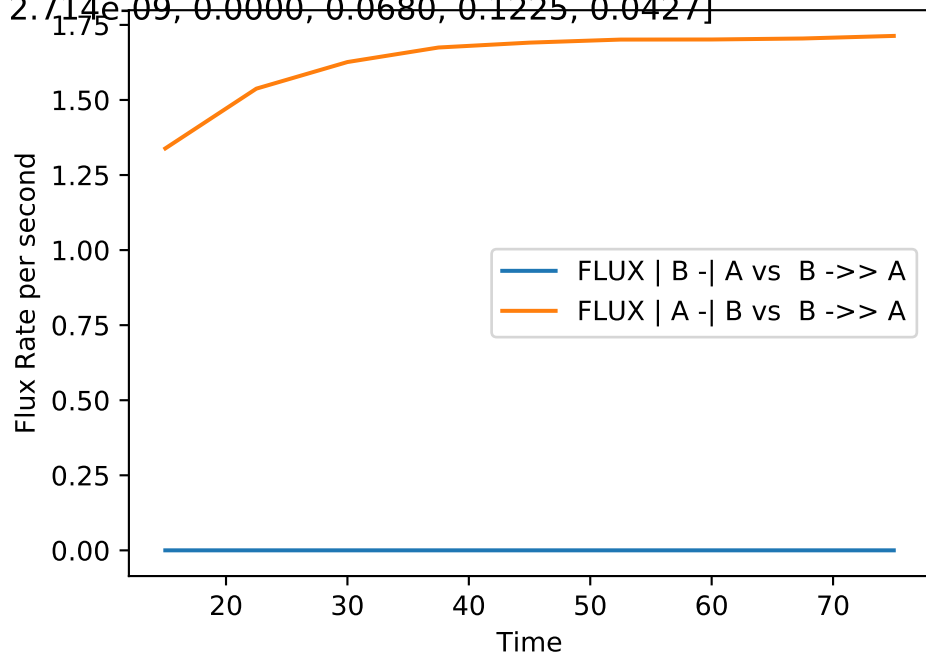
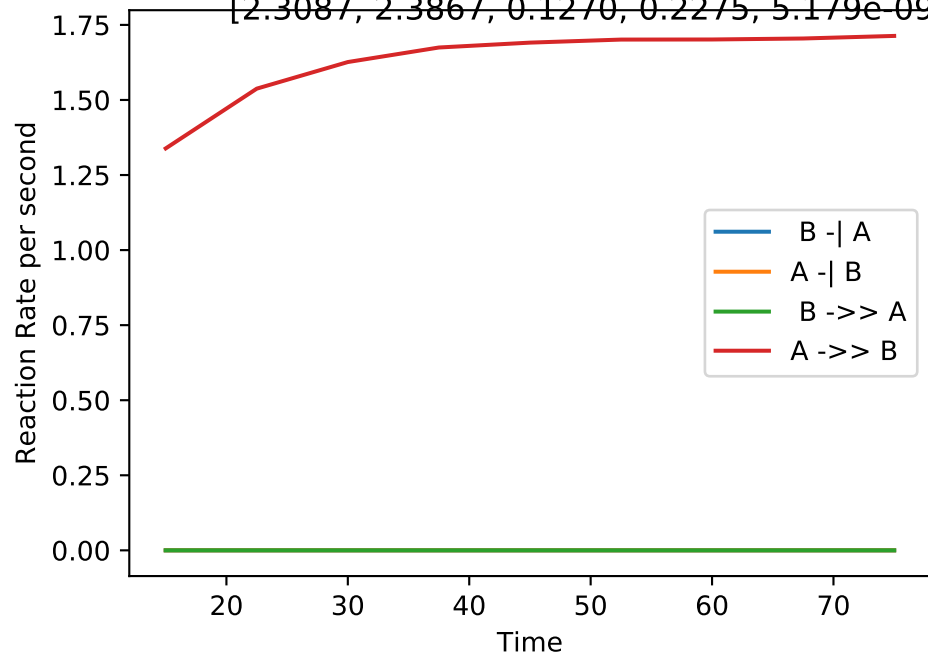
No_up | MB-LLS No_up(#194):

[2.3972, 2.3532, 0.1657, 0.1191, 1.174e-09, 6.113e-10, 0.0236, 0.0811, 0.0592, 0.0000]



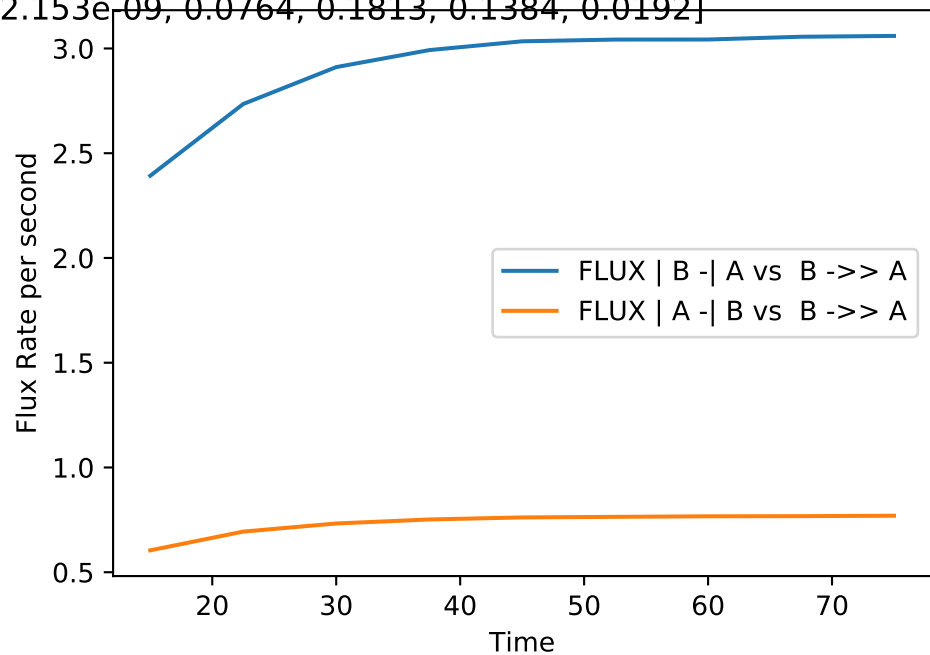
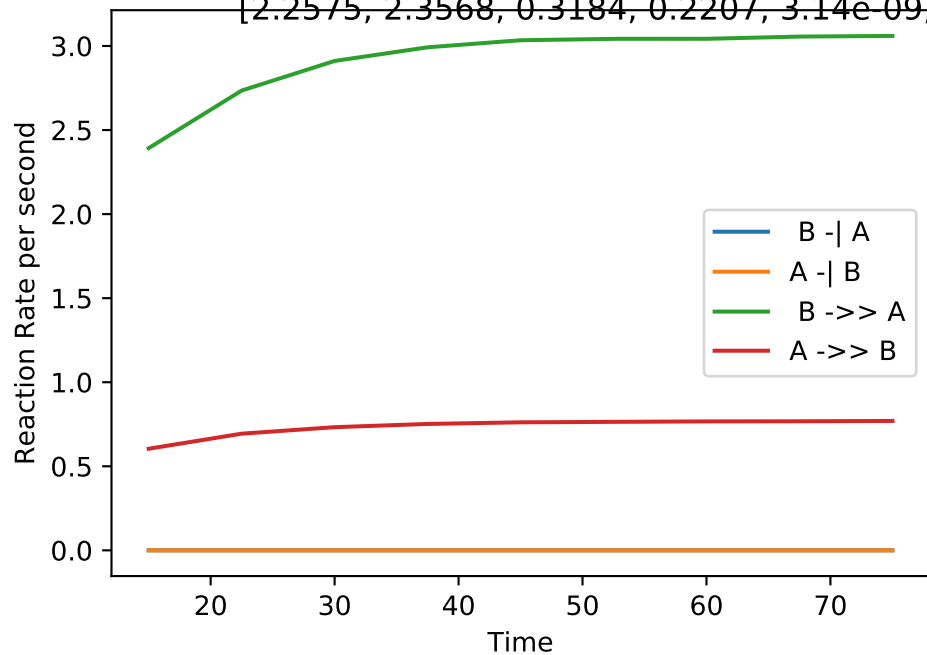
No_up | MB-LLS No_up(#195):

[2.3087, 2.3867, 0.1270, 0.2275, 5.179e-09, 2.714e-09, 0.0000, 0.0680, 0.1225, 0.0427]



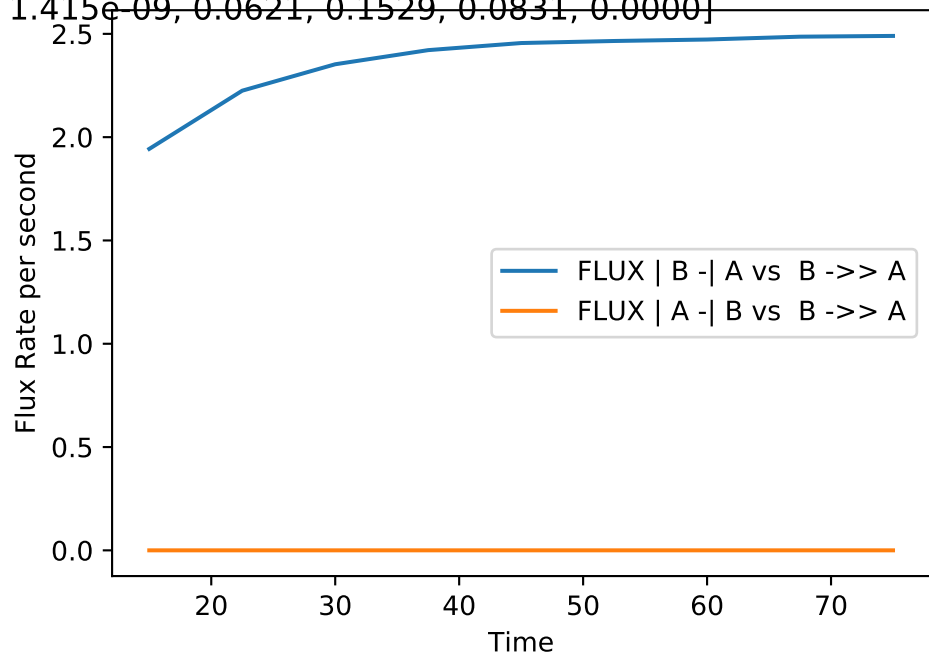
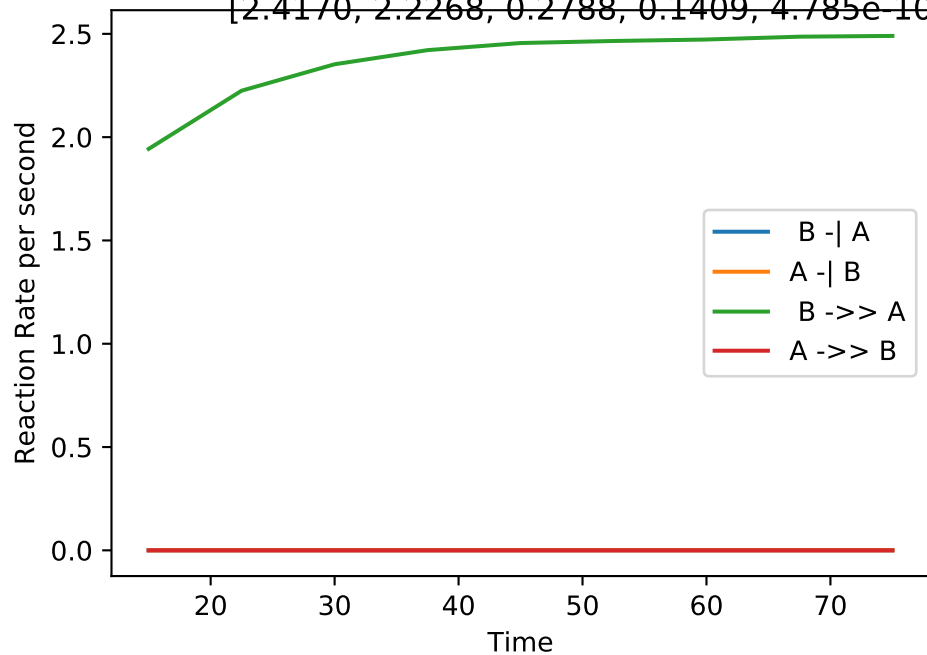
No_up | MB-LLS No_up(#196):

[2.2575, 2.3568, 0.3184, 0.2207, 3.14e-09, 2.153e-09, 0.0764, 0.1813, 0.1384, 0.0192]



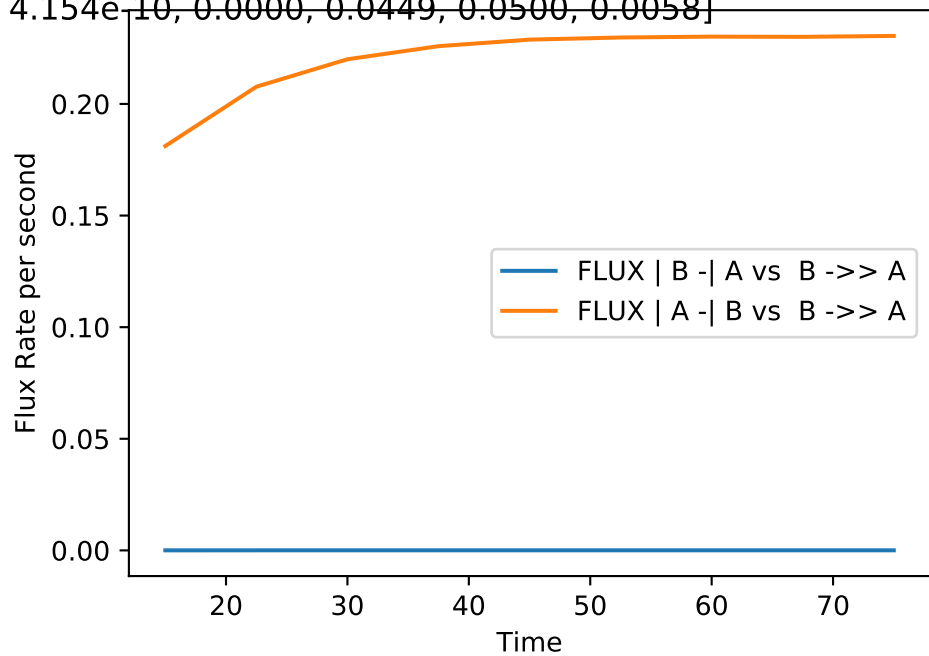
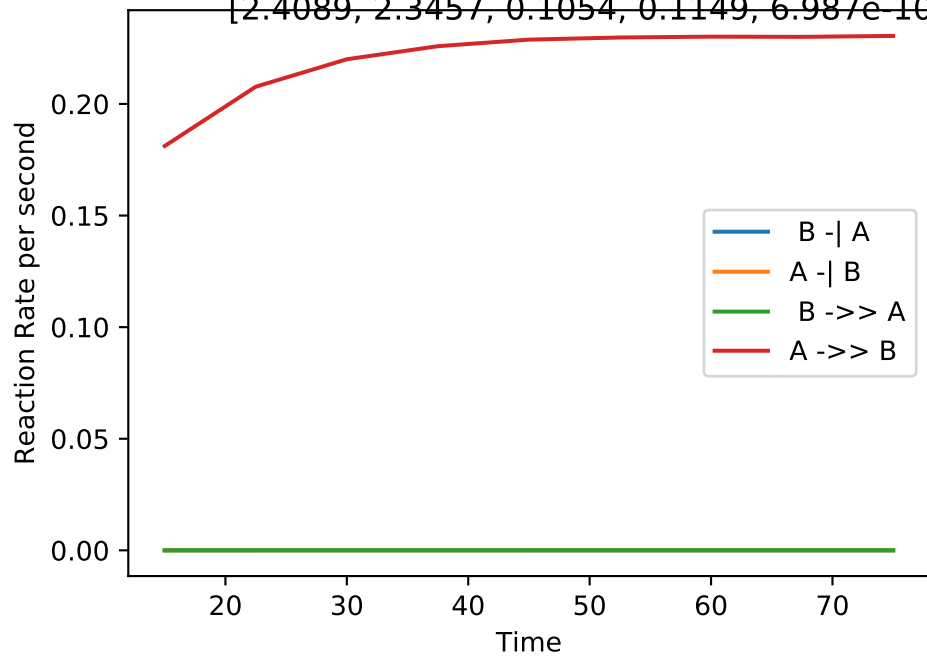
No_up | MB-LLS No_up(#197):

[2.4170, 2.2268, 0.2788, 0.1409, 4.785e-10, 1.415e-09, 0.0621, 0.1529, 0.0831, 0.0000]



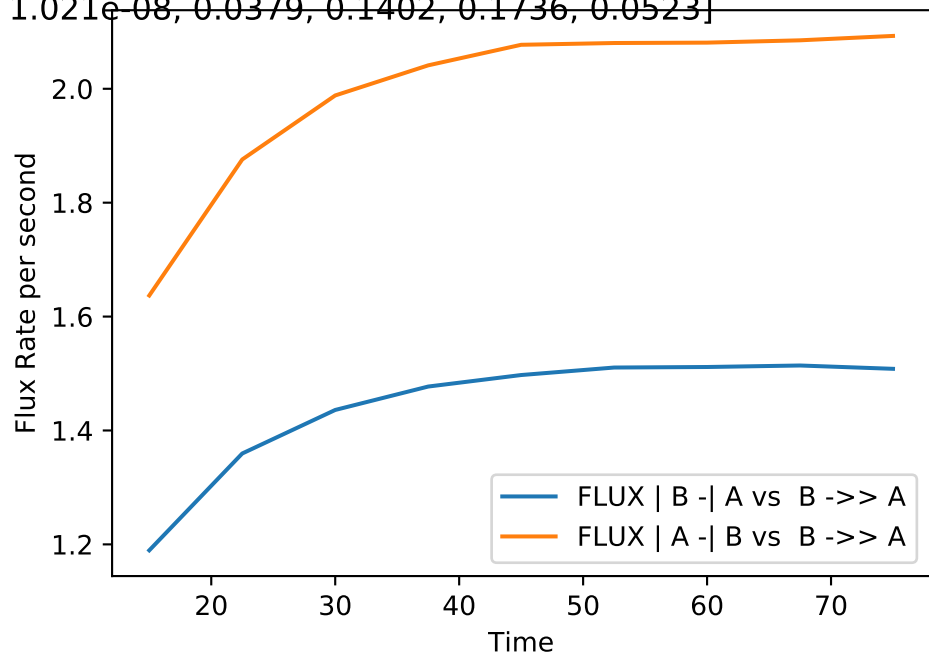
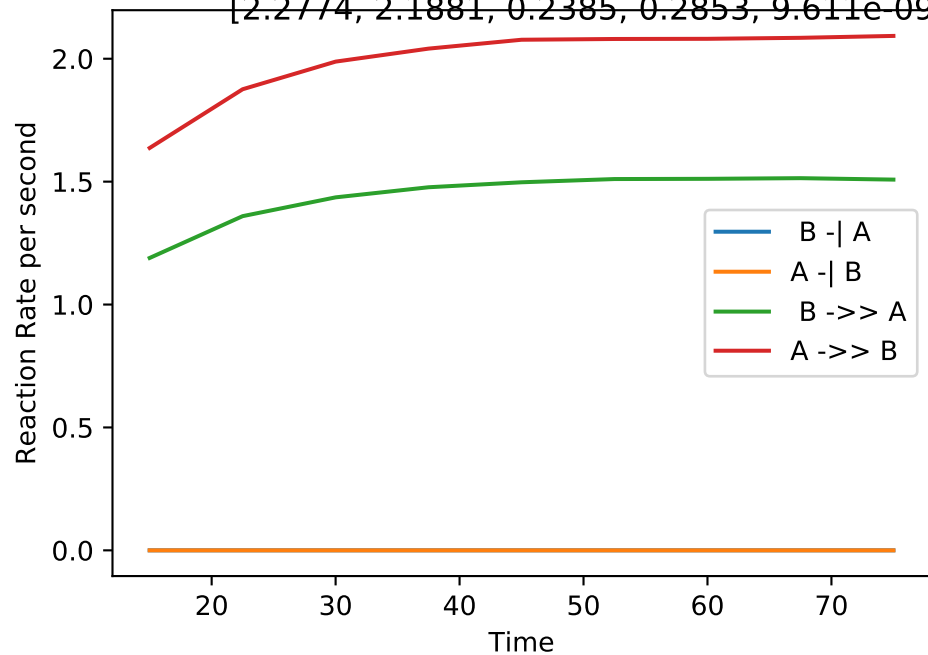
No_up | MB-LLS No_up(#198):

[2.4089, 2.3457, 0.1054, 0.1149, 6.987e-10, 4.154e-10, 0.0000, 0.0449, 0.0500, 0.0058]



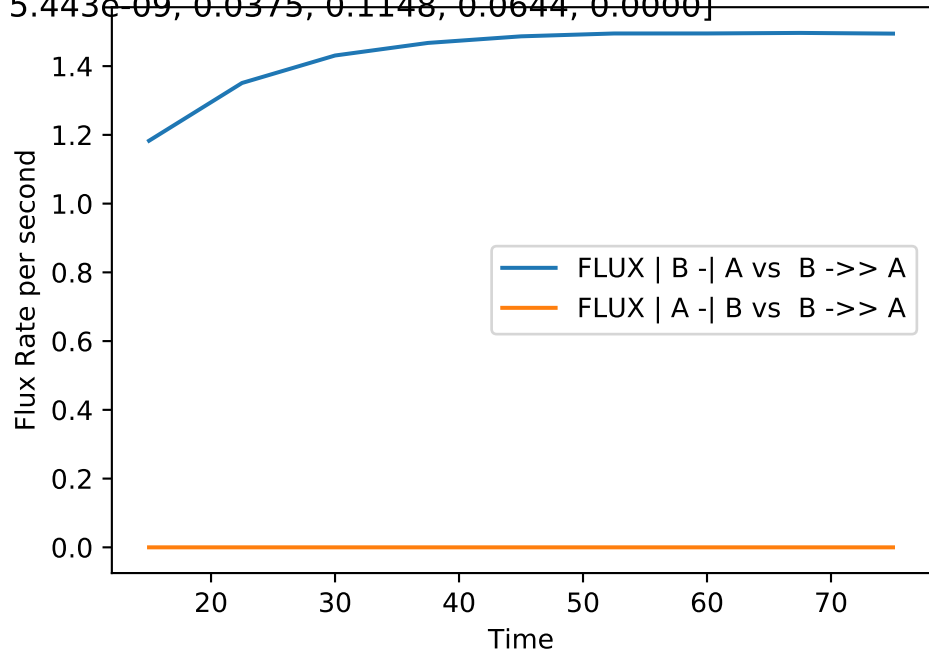
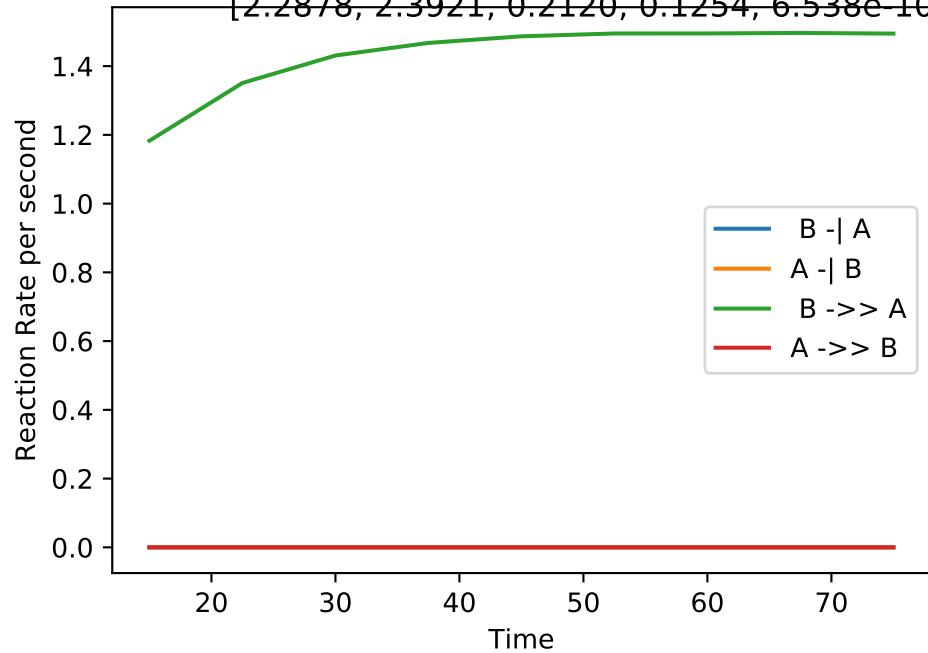
No_up | MB-LLS No_up(#199):

[2.2774, 2.1881, 0.2385, 0.2853, 9.611e-09, 1.021e-08, 0.0379, 0.1402, 0.1736, 0.0523]



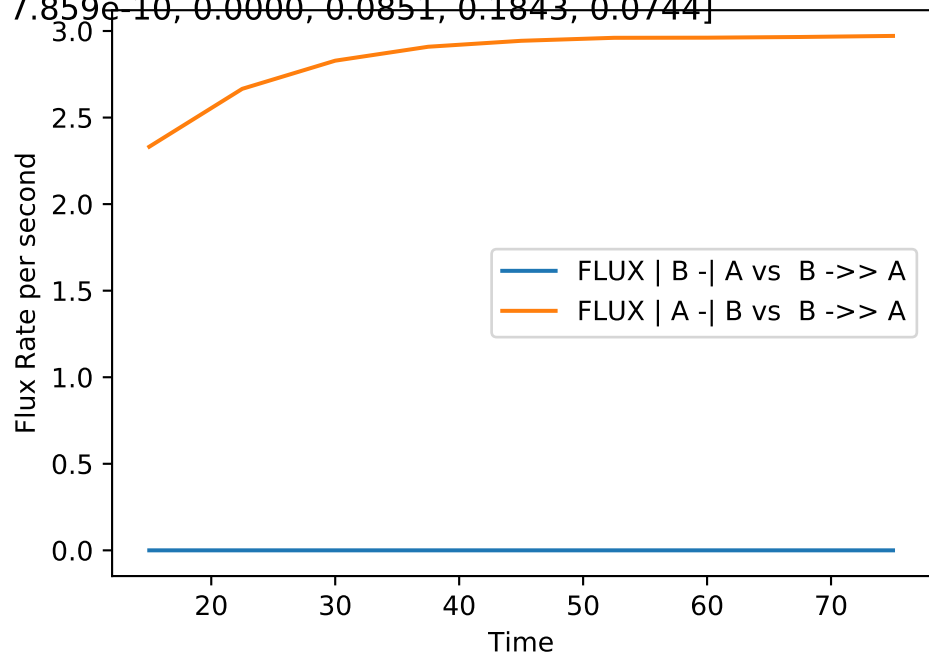
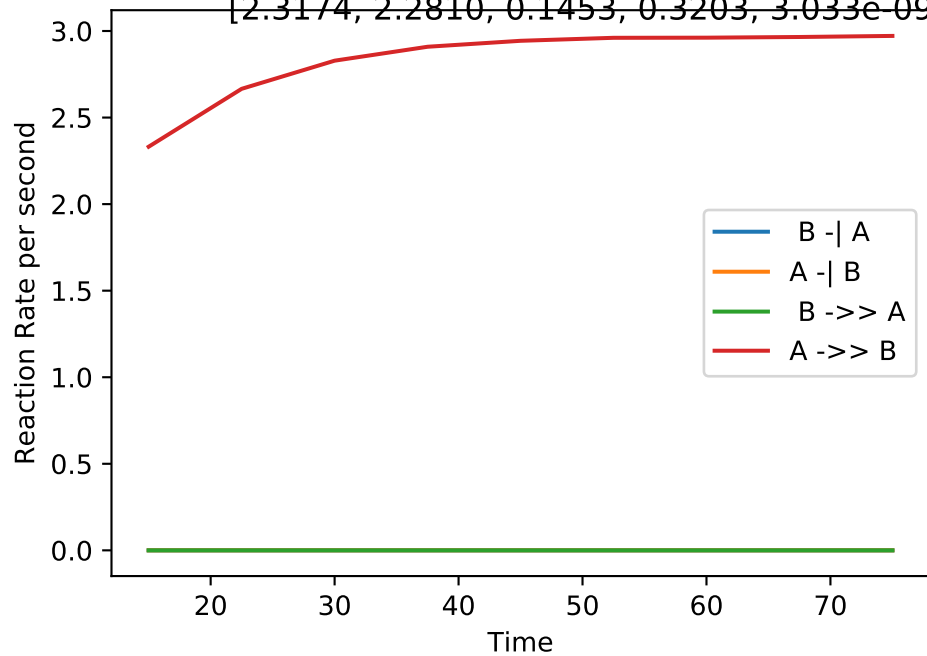
No_up | MB-LLS No_up(#200):

[2.2878, 2.3921, 0.2120, 0.1254, 6.538e-10, 5.443e-09, 0.0375, 0.1148, 0.0644, 0.0000]



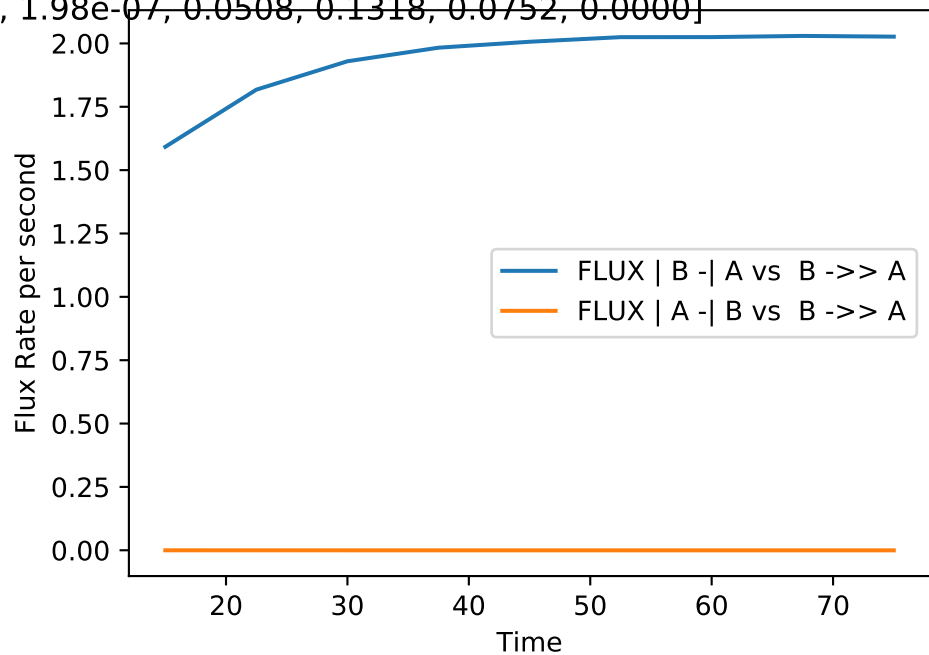
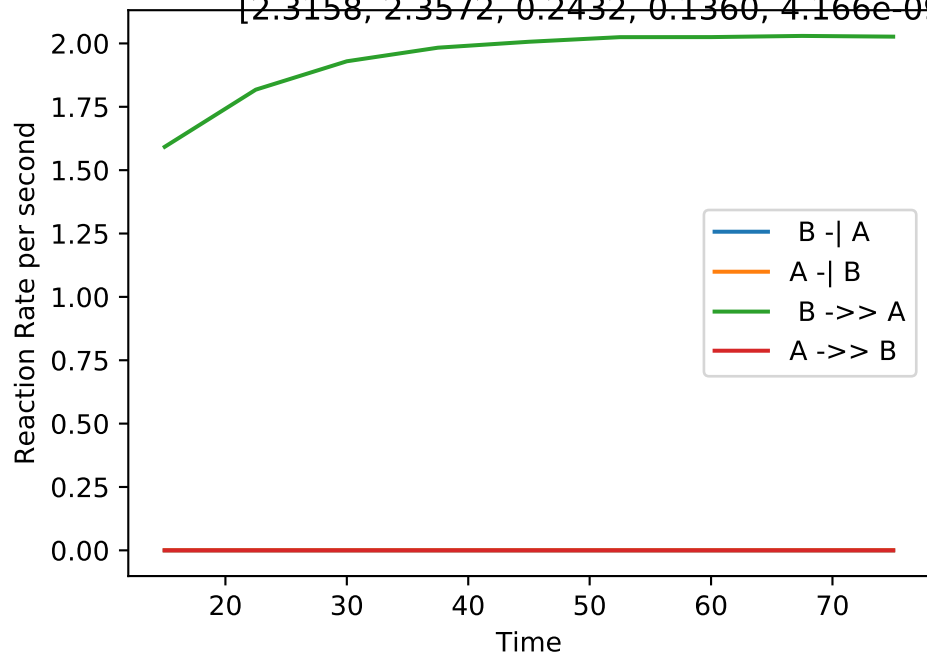
No_up | MB-LLS No_up(#201):

[2.3174, 2.2810, 0.1453, 0.3203, 3.033e-09, 7.859e-10, 0.0000, 0.0851, 0.1843, 0.0744]



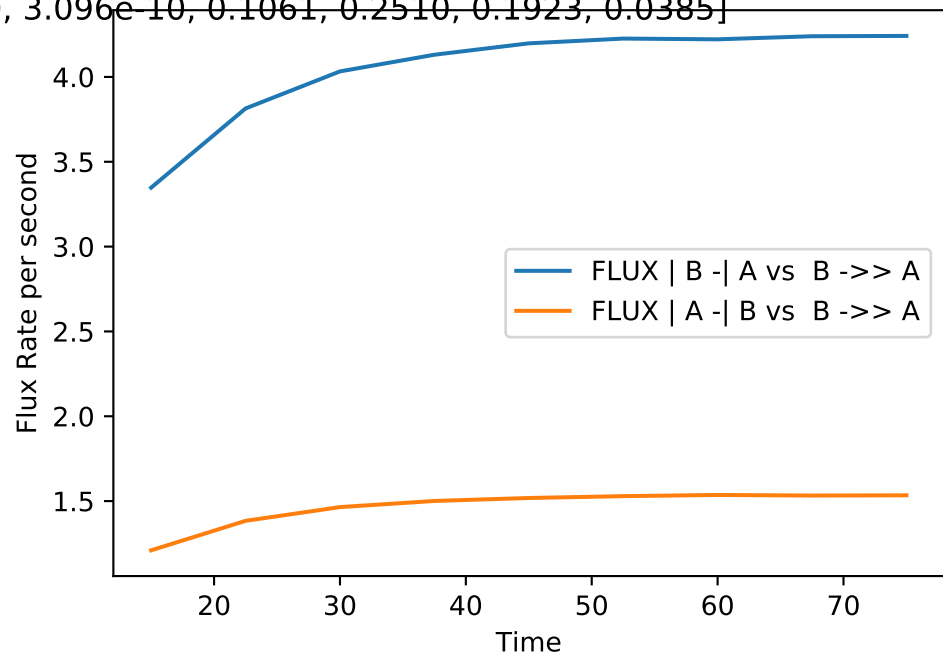
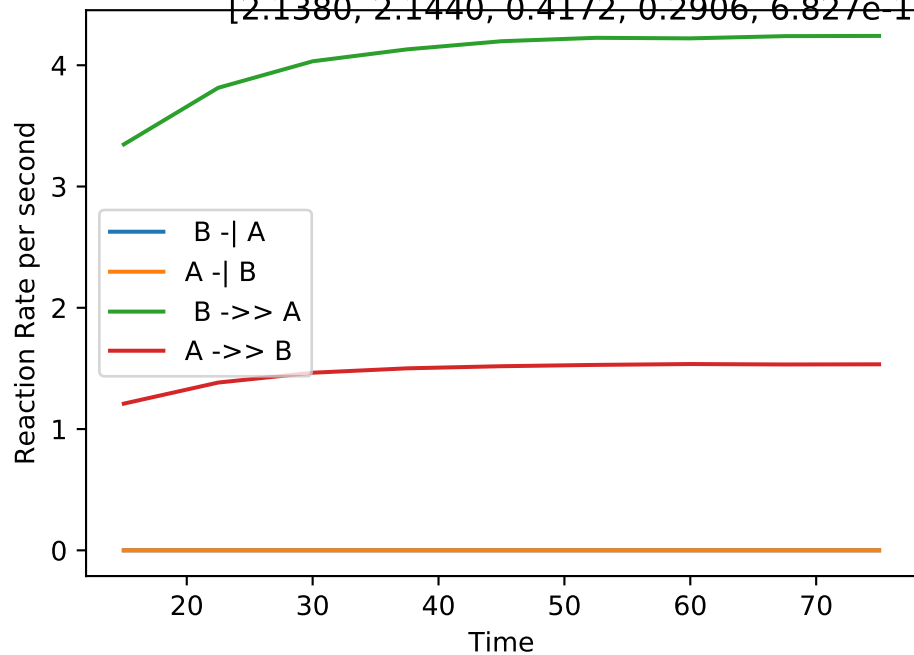
No_up | MB-LLS No_up(#202):

[2.3158, 2.3572, 0.2432, 0.1360, 4.166e-09, 1.98e-07, 0.0508, 0.1318, 0.0752, 0.0000]



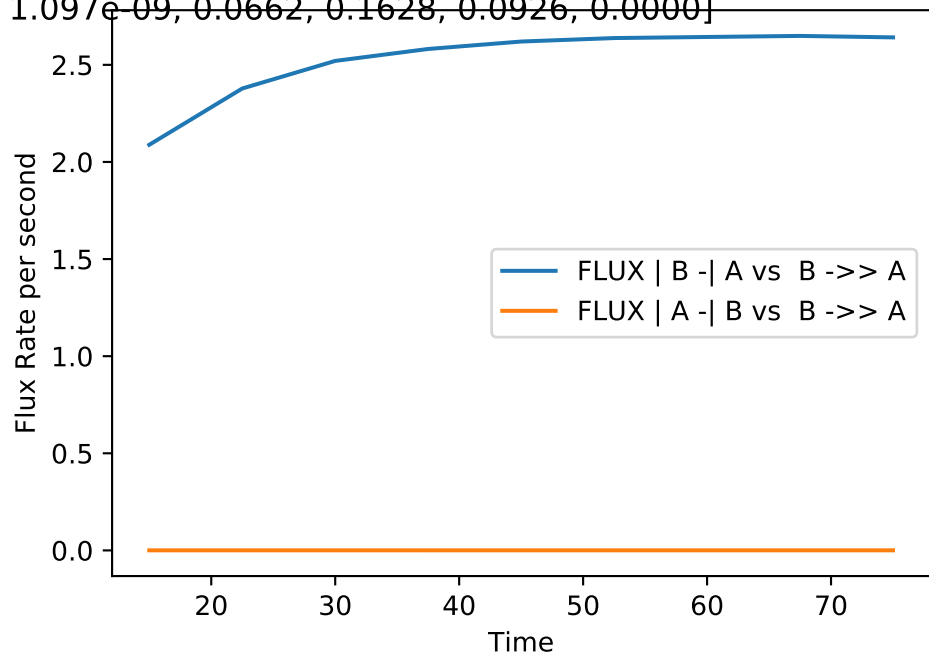
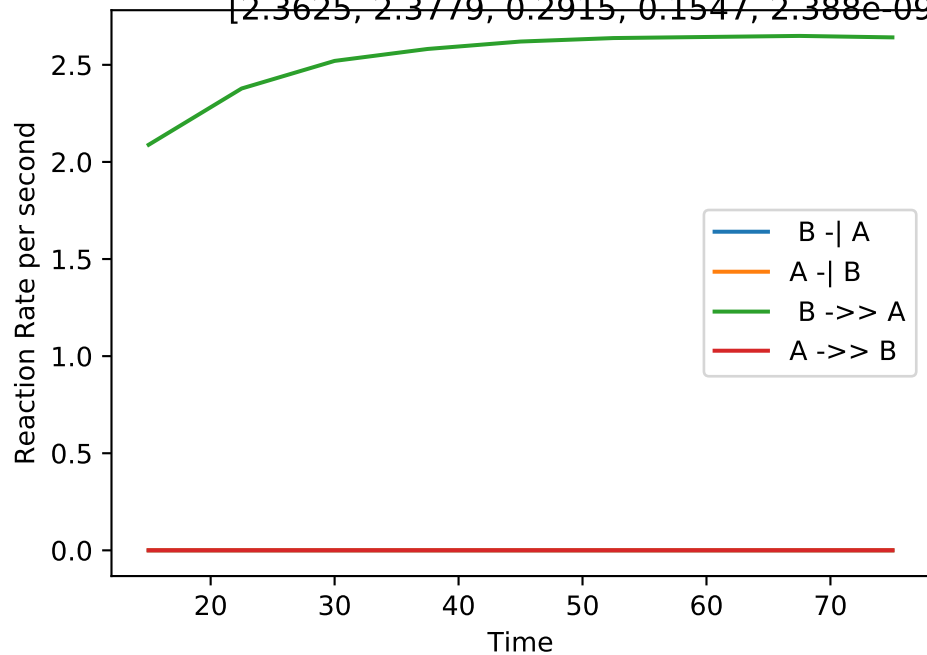
No_up | MB-LLS No_up(#203):

[2.1380, 2.1440, 0.4172, 0.2906, 6.827e-10, 3.096e-10, 0.1061, 0.2510, 0.1923, 0.0385]



No_up | MB-LLS No_up(#204):

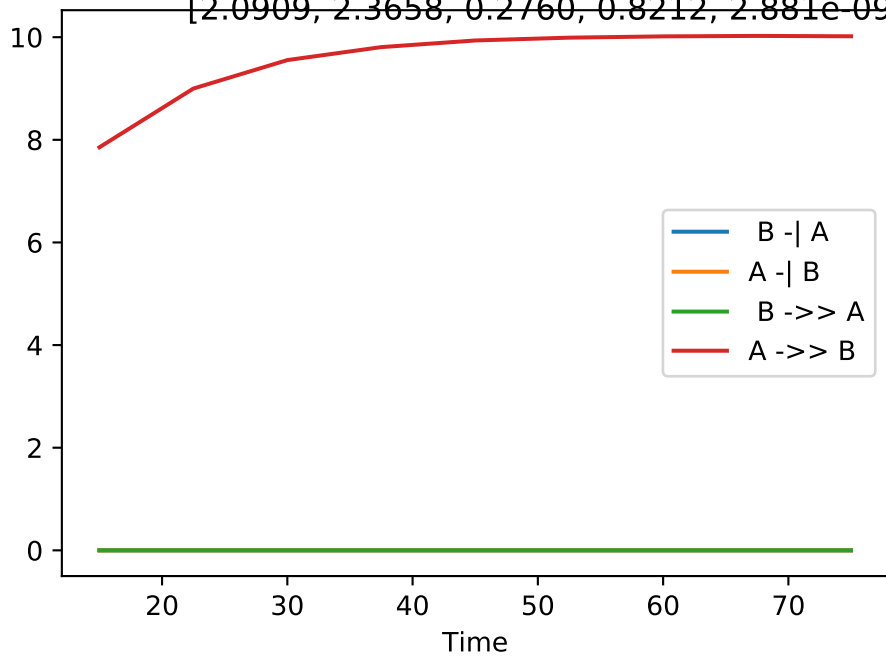
[2.3625, 2.3779, 0.2915, 0.1547, 2.388e-09, 1.097e-09, 0.0662, 0.1628, 0.0926, 0.0000]



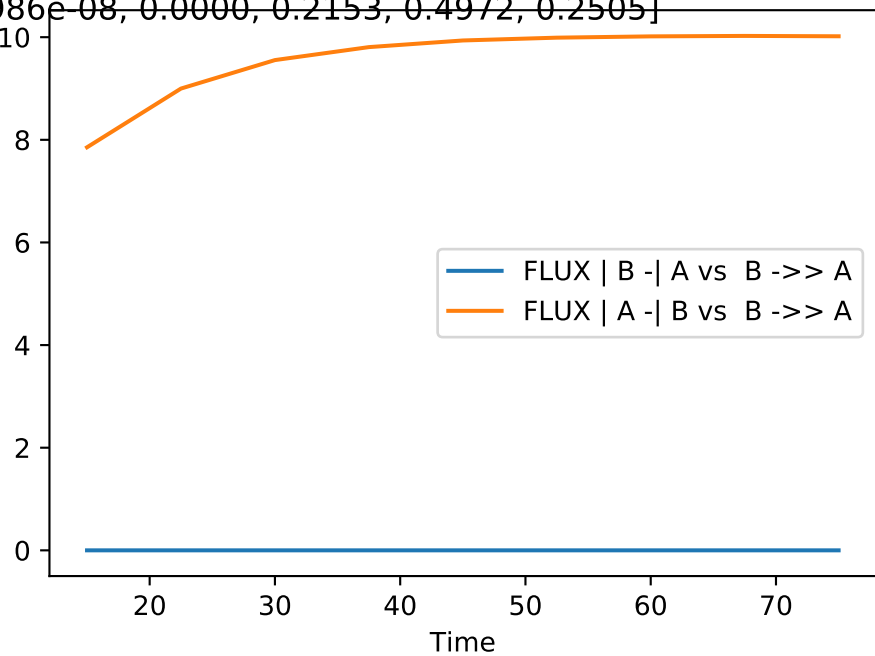
No_up | MB-LLS No_up(#205):

[2.0909, 2.3658, 0.2760, 0.8212, 2.881e-09, 1.986e-08, 0.0000, 0.2153, 0.4972, 0.2505]

Reaction Rate per second

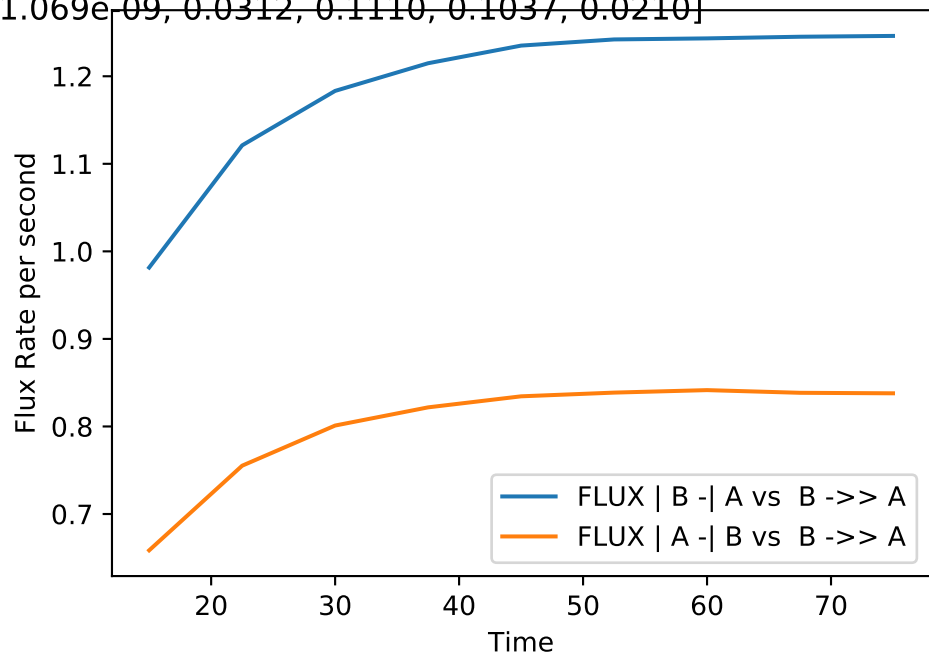
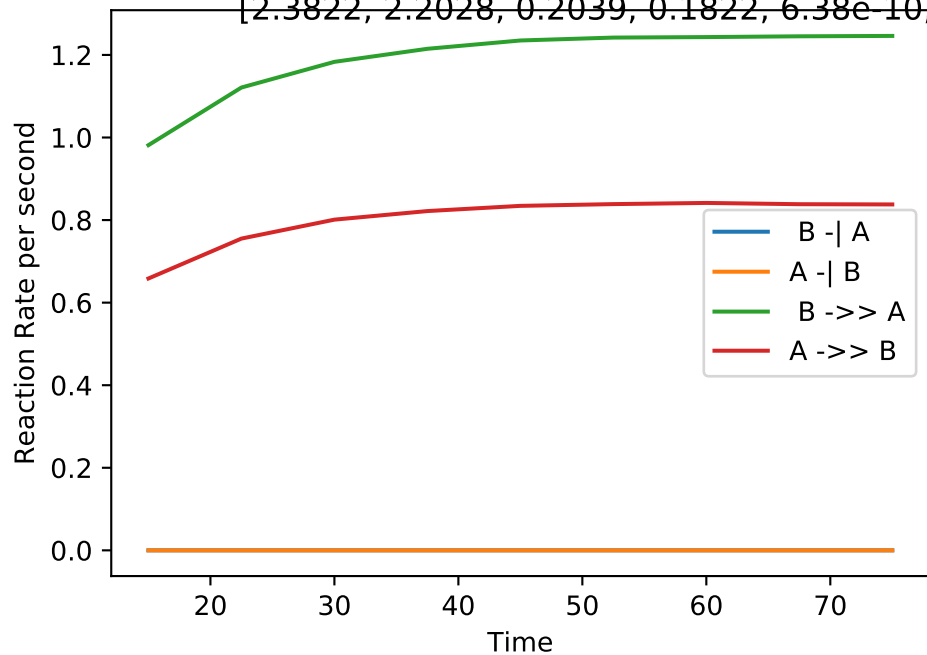


Flux Rate per second



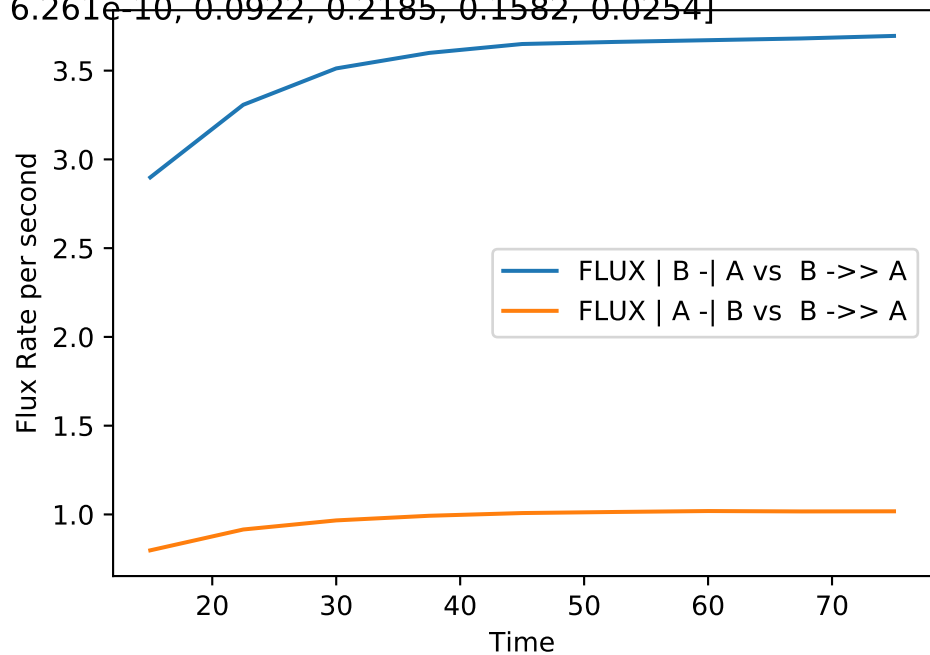
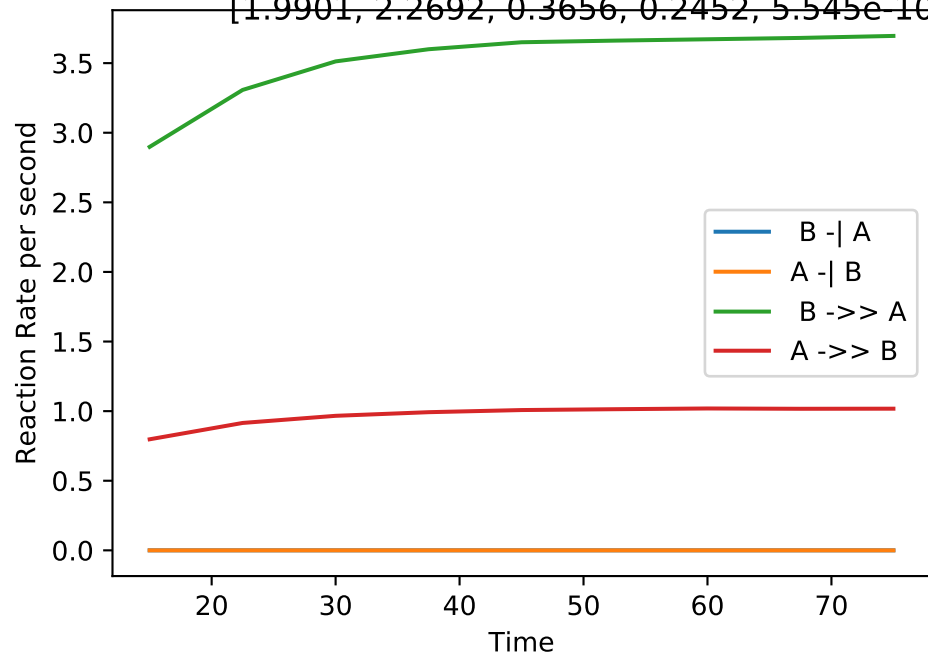
No_up | MB-LLS No_up(#206):

[2.3822, 2.2028, 0.2039, 0.1822, 6.38e-10, 1.069e-09, 0.0312, 0.1110, 0.1037, 0.0210]



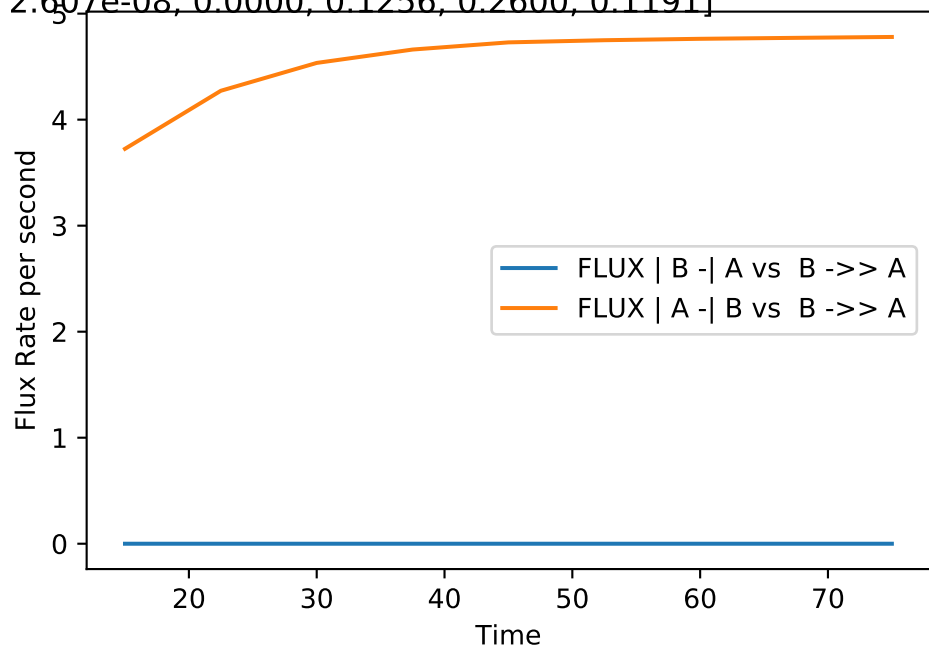
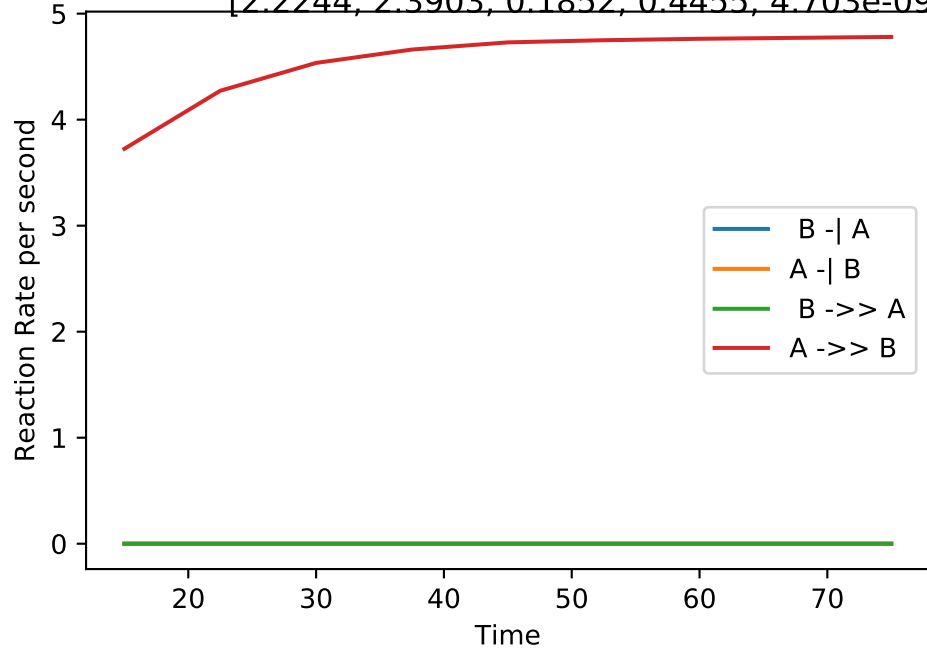
No_up | MB-LLS No_up(#207):

[1.9901, 2.2692, 0.3656, 0.2452, 5.545e-10, 6.261e-10, 0.0922, 0.2185, 0.1582, 0.0254]



No_up | MB-LLS No_up(#208):

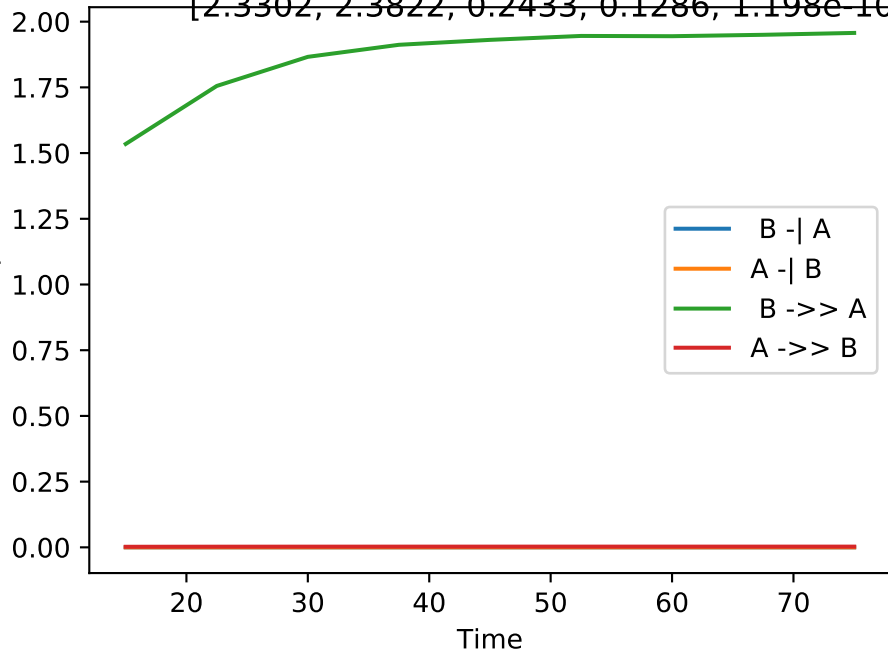
[2.2244, 2.3903, 0.1852, 0.4455, 4.703e-09, 2.607e-08, 0.0000, 0.1256, 0.2600, 0.1191]



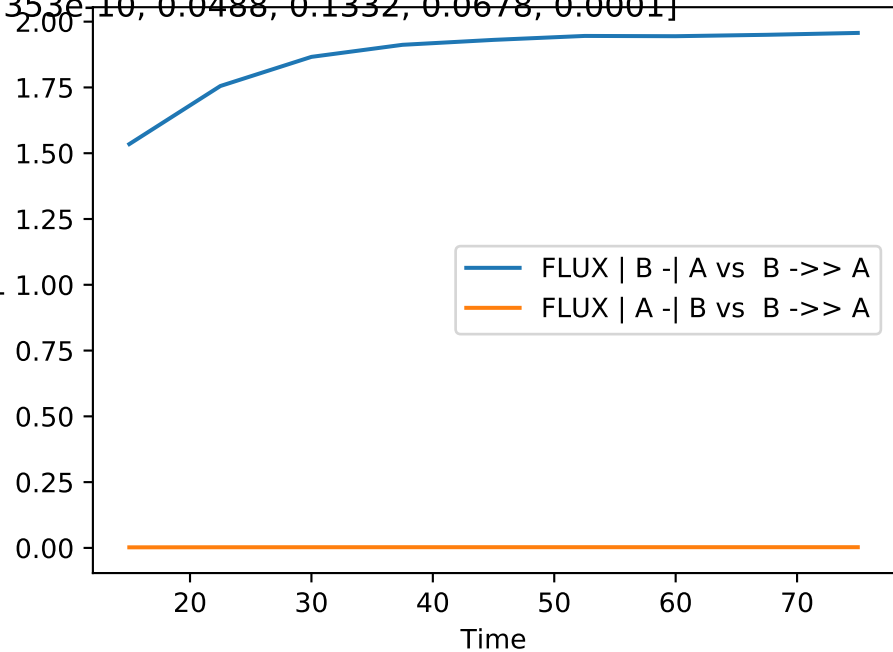
No_up | MB-LLS No_up(#209):

[2.3302, 2.3822, 0.2433, 0.1286, 1.198e-10, 7.353e-10, 0.0488, 0.1332, 0.0678, 0.0001]

Reaction Rate per second

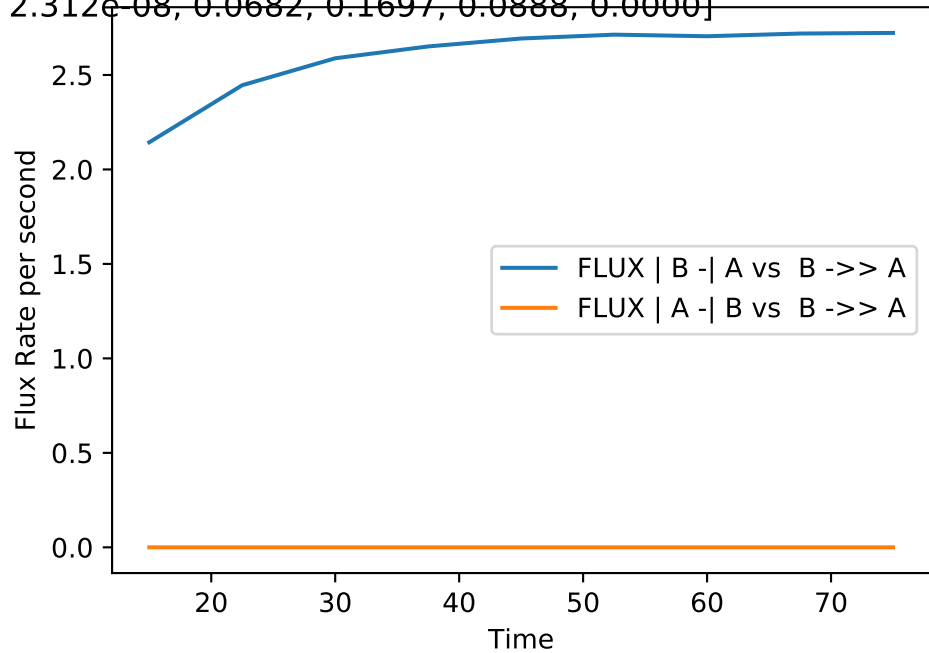
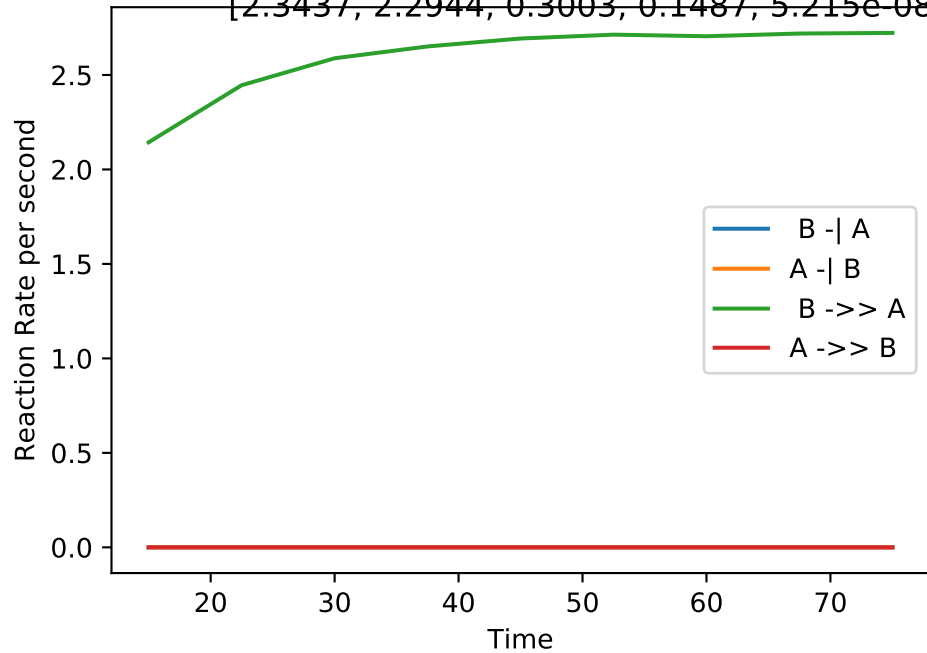


Flux Rate per second



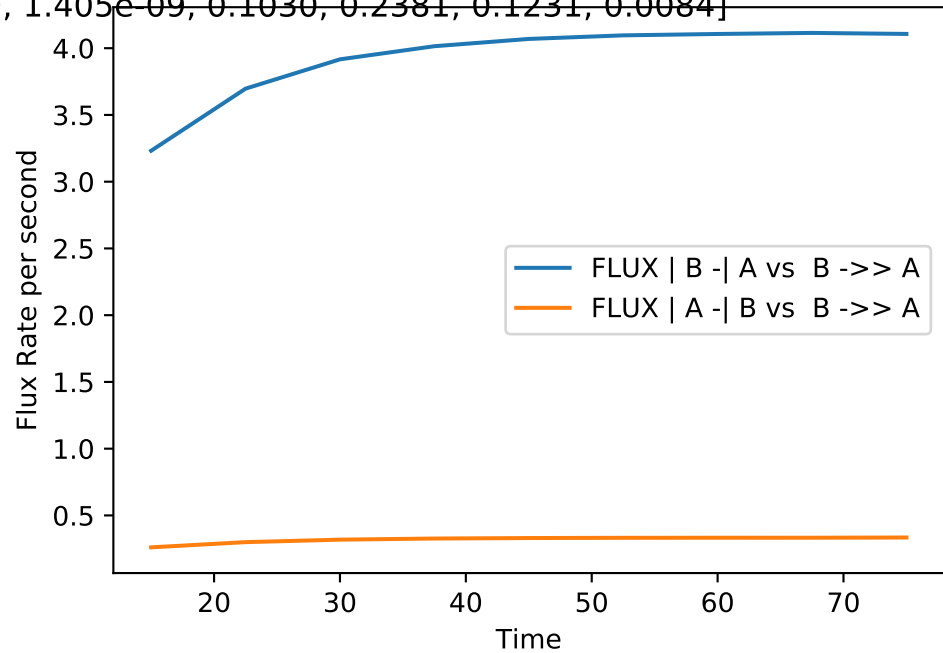
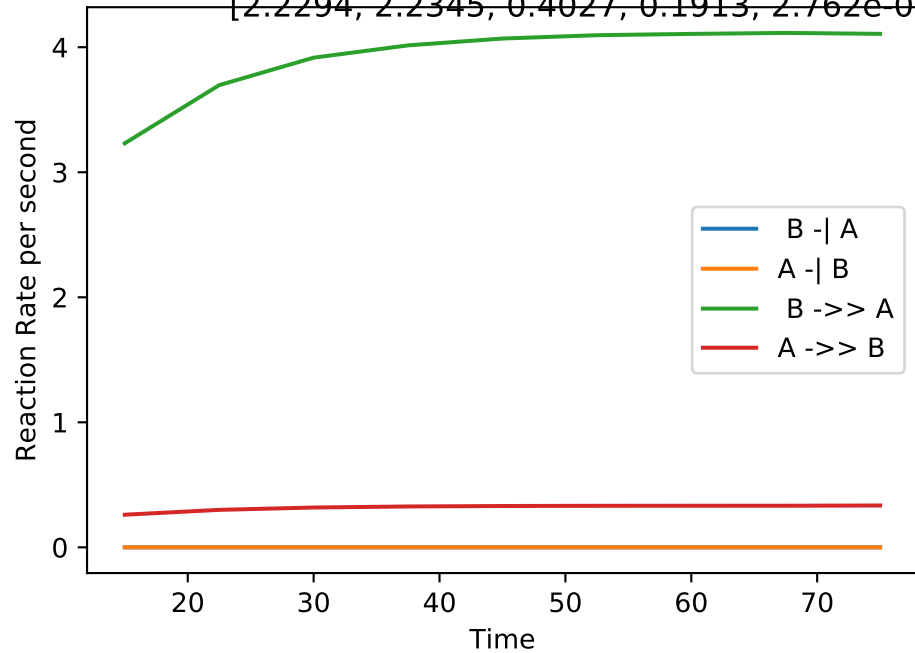
No_up | MB-LLS No_up(#210):

[2.3437, 2.2944, 0.3003, 0.1487, 5.215e-08, 2.312e-08, 0.0682, 0.1697, 0.0888, 0.0000]



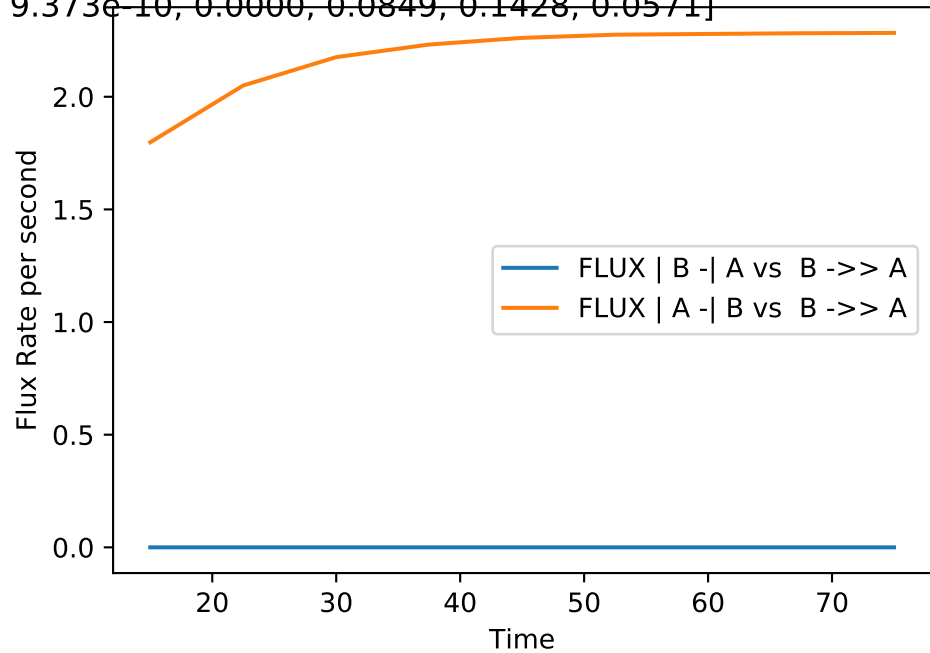
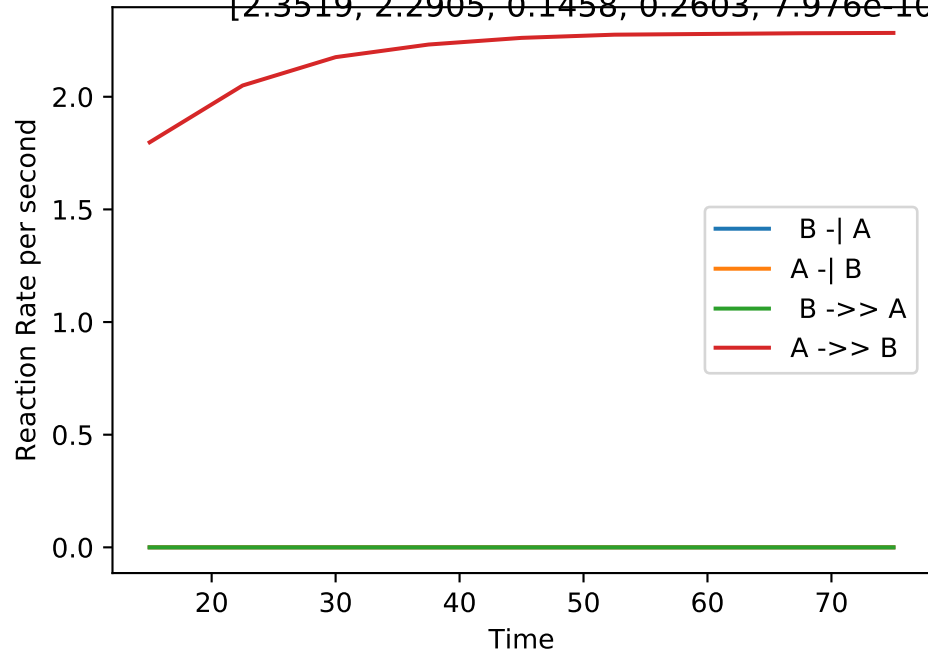
No_up | MB-LLS No_up(#211):

[2.2294, 2.2345, 0.4027, 0.1913, 2.762e-09, 1.405e-09, 0.1030, 0.2381, 0.1231, 0.0084]



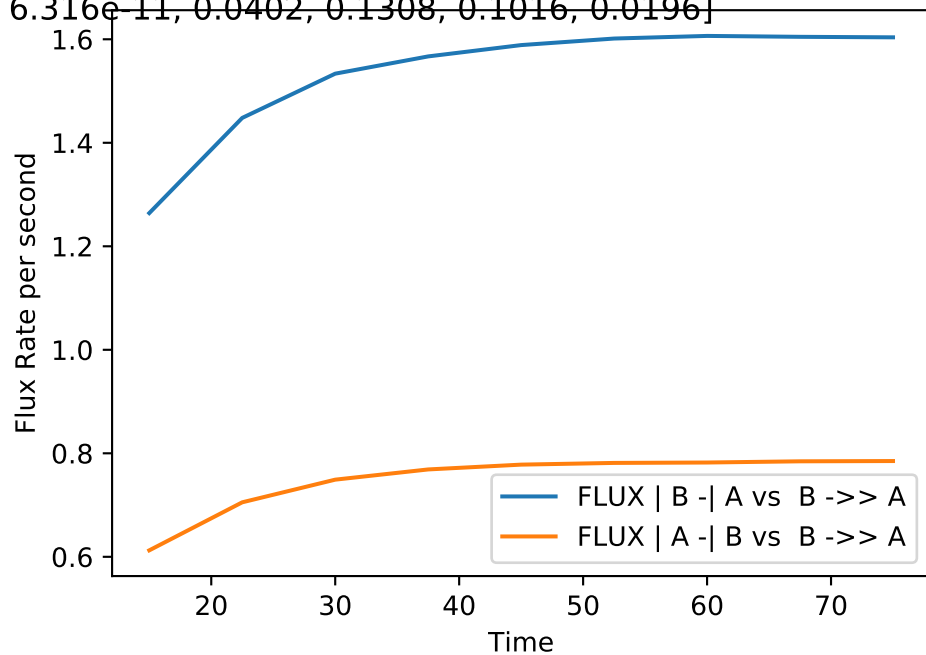
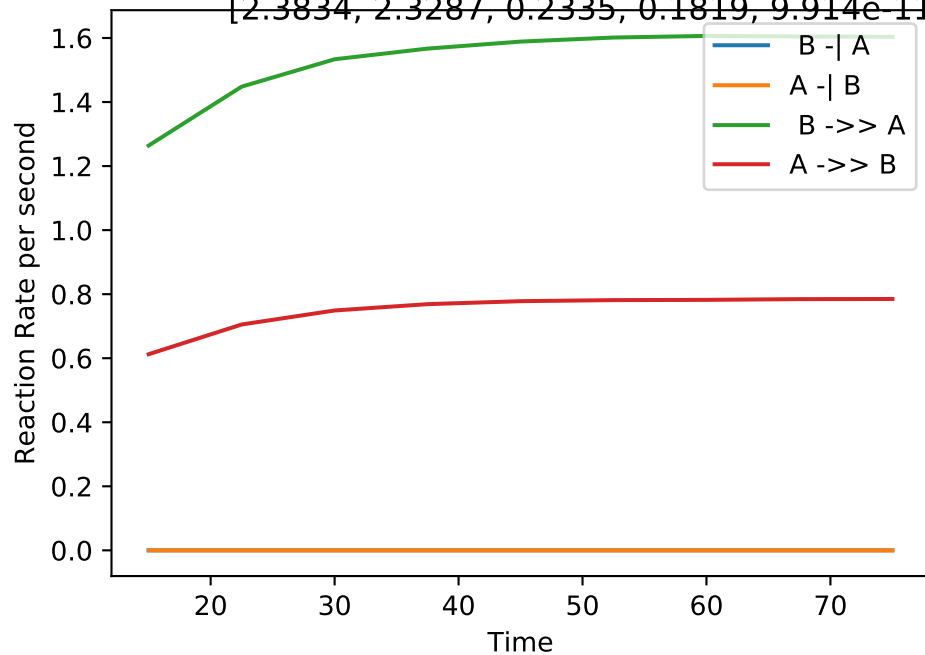
No_up | MB-LLS No_up(#212):

[2.3519, 2.2905, 0.1458, 0.2603, 7.976e-10, 9.373e-10, 0.0000, 0.0849, 0.1428, 0.0571]



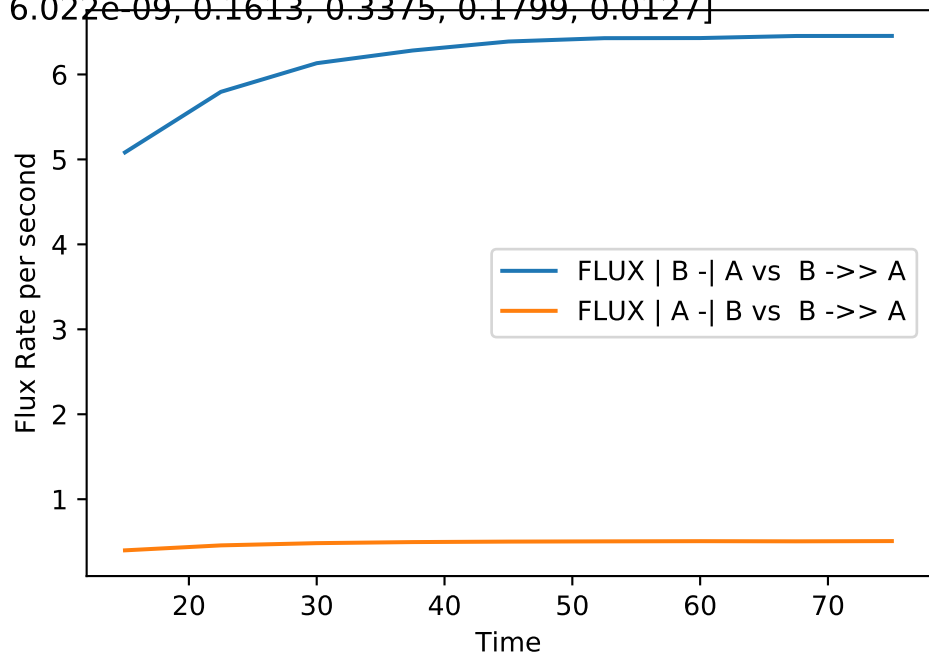
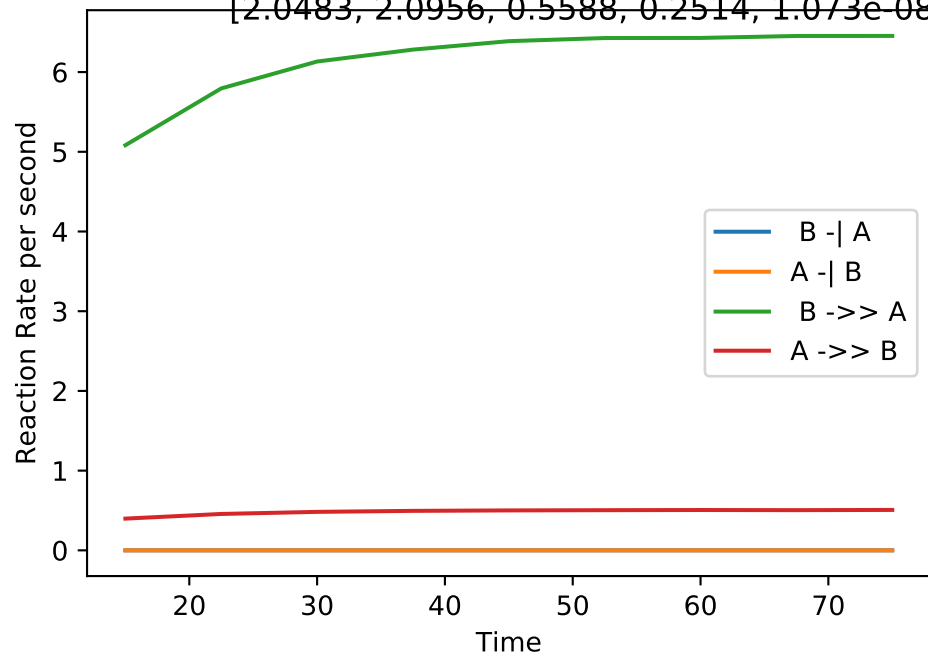
No_up | MB-LLS No_up(#213):

[2.3834, 2.3287, 0.2335, 0.1819, 9.914e-11, 6.316e-11, 0.0402, 0.1308, 0.1016, 0.0196]



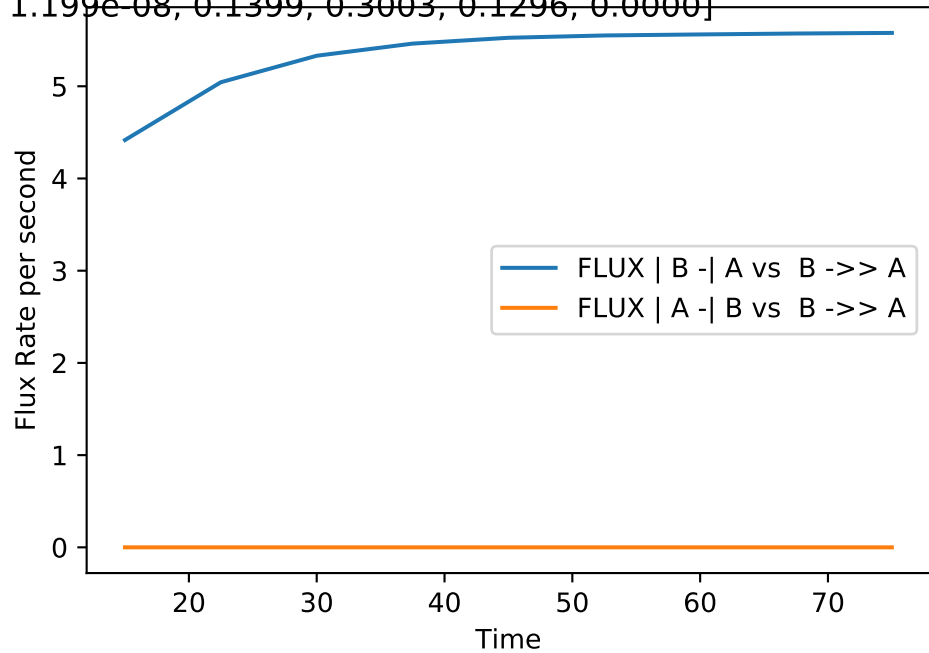
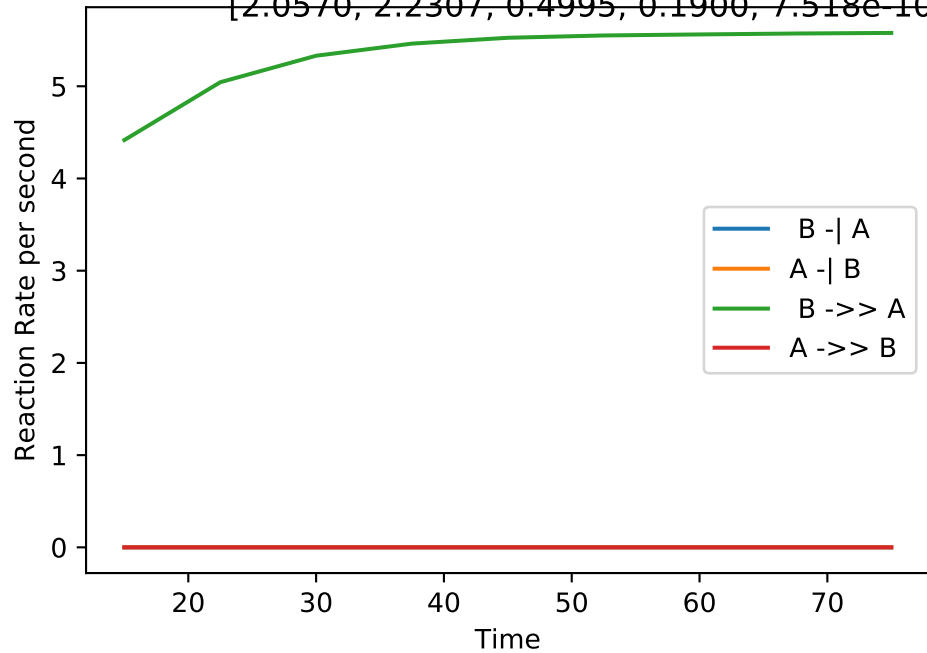
No_up | MB-LLS No_up(#214):

[2.0483, 2.0956, 0.5588, 0.2514, 1.073e-08, 6.022e-09, 0.1613, 0.3375, 0.1799, 0.0127]



No_up | MB-LLS No_up(#215):

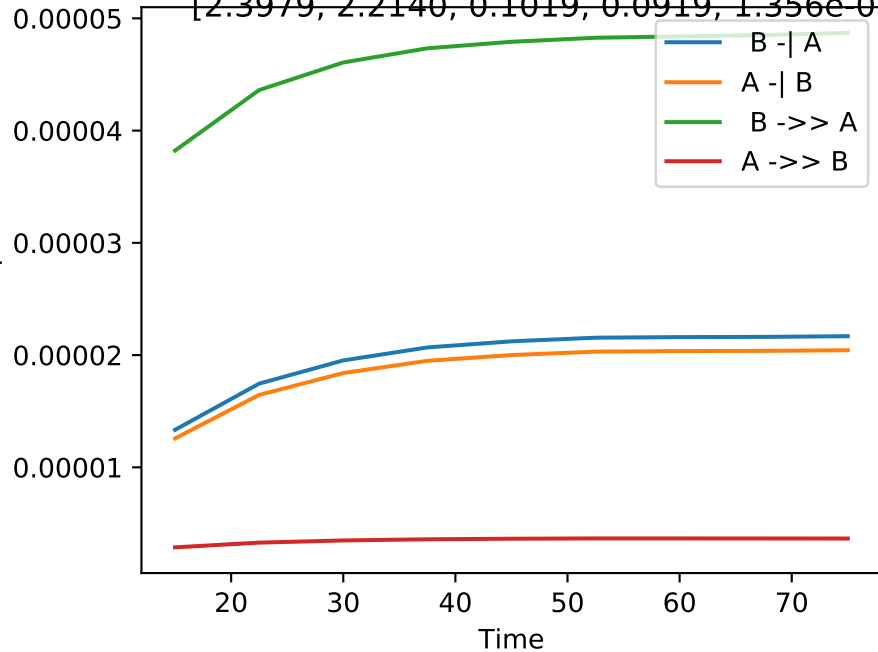
[2.0570, 2.2307, 0.4995, 0.1900, 7.518e-10, 1.199e-08, 0.1399, 0.3003, 0.1296, 0.0000]



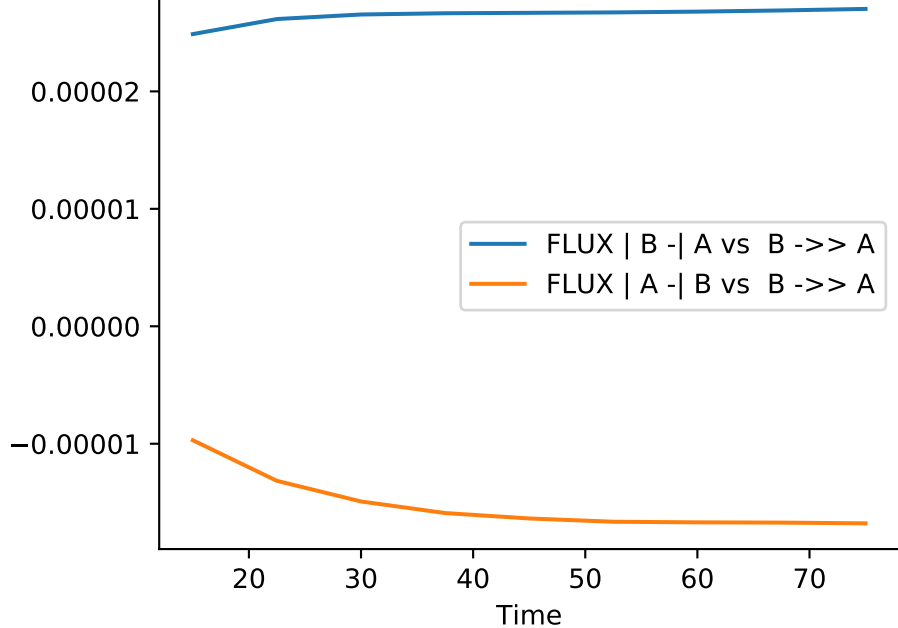
No_up | MB-LLS No_up(#216):

[2.3979, 2.2140, 0.1019, 0.0919, 1.356e-08, 1.278e-08, 0.0000, 0.0418, 0.0367, 0.0000]

Reaction Rate per second

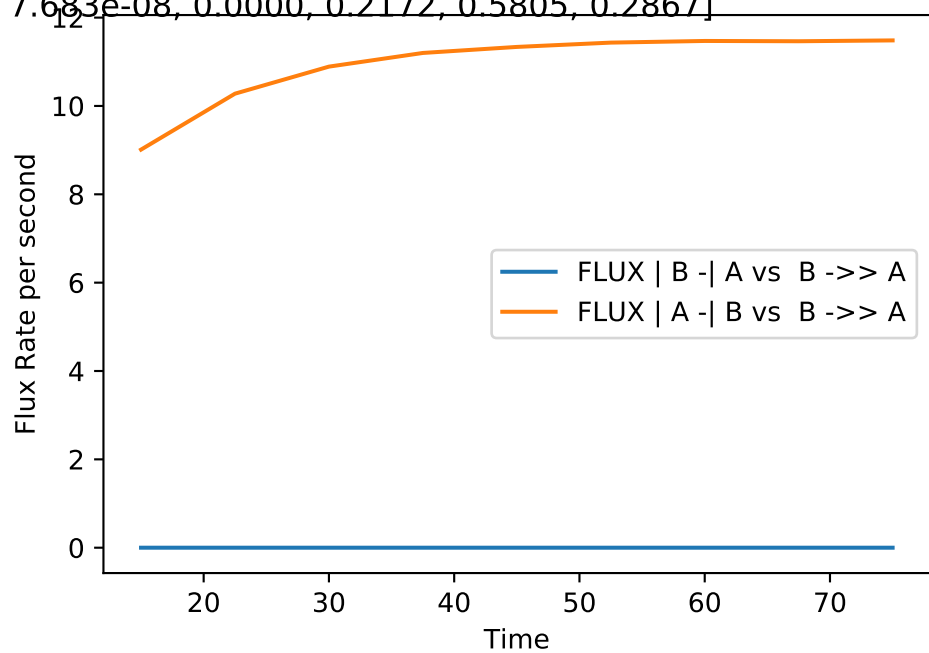
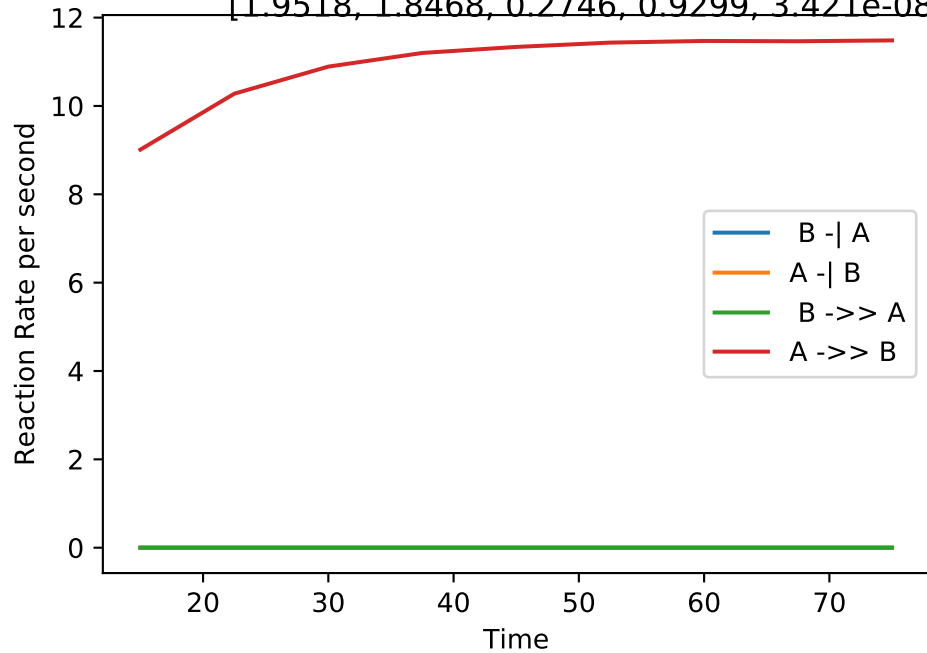


Flux Rate per second



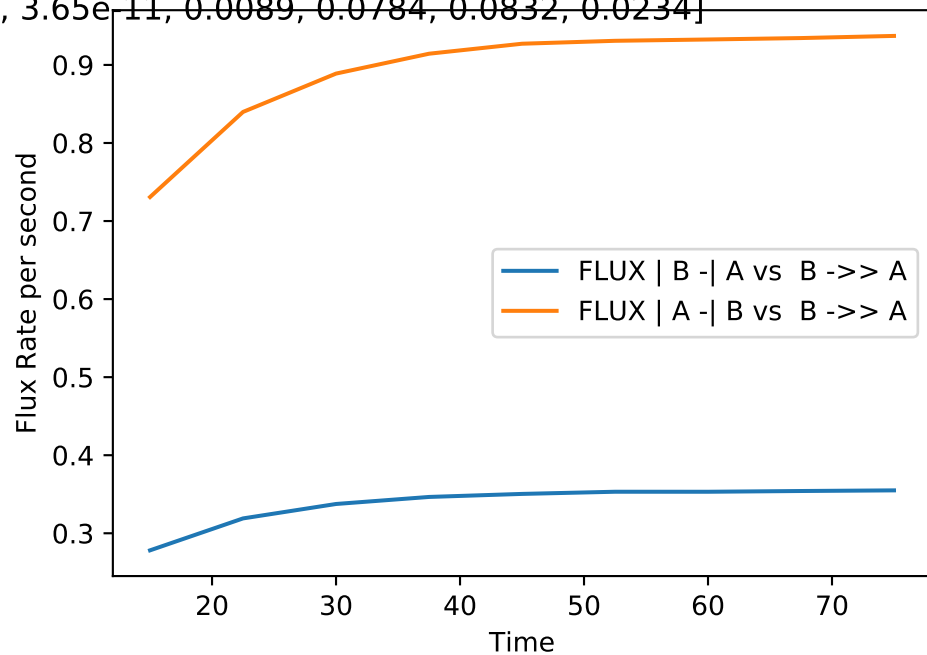
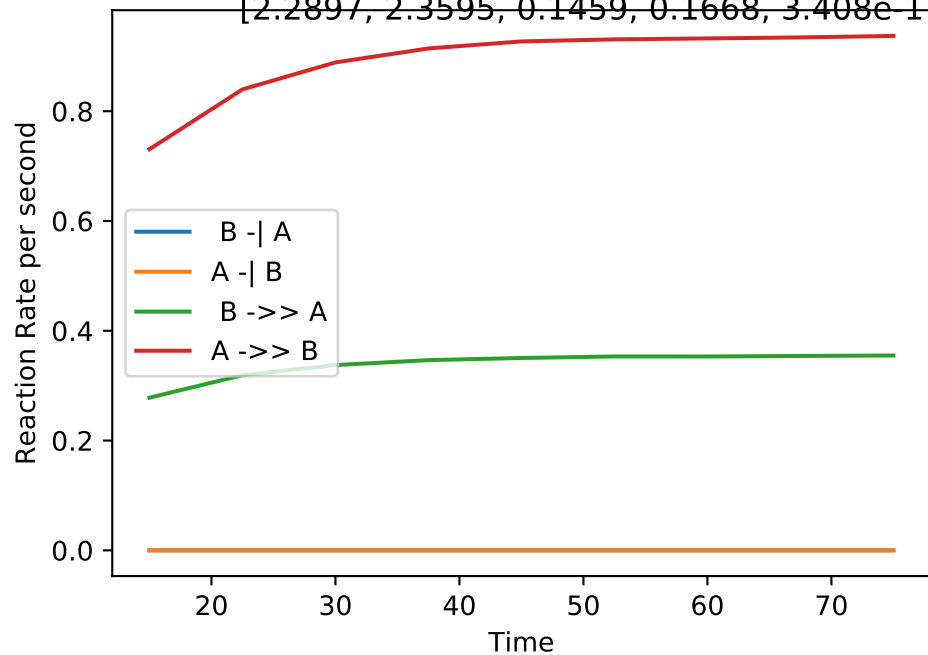
No_up | MB-LLS No_up(#217):

[1.9518, 1.8468, 0.2746, 0.9299, 3.421e-08, 7.683e-08, 0.0000, 0.2172, 0.5805, 0.2867]



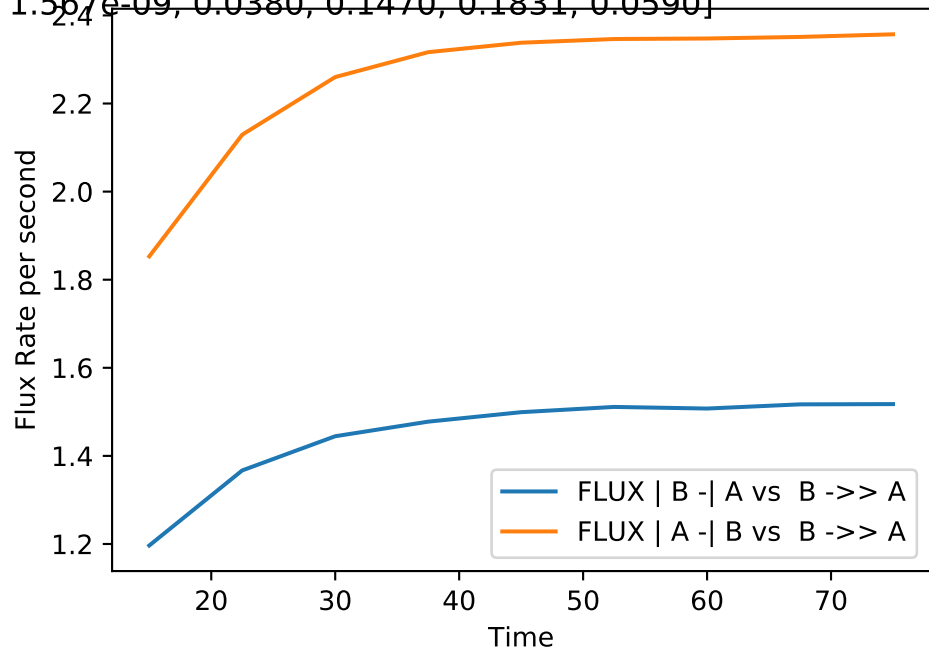
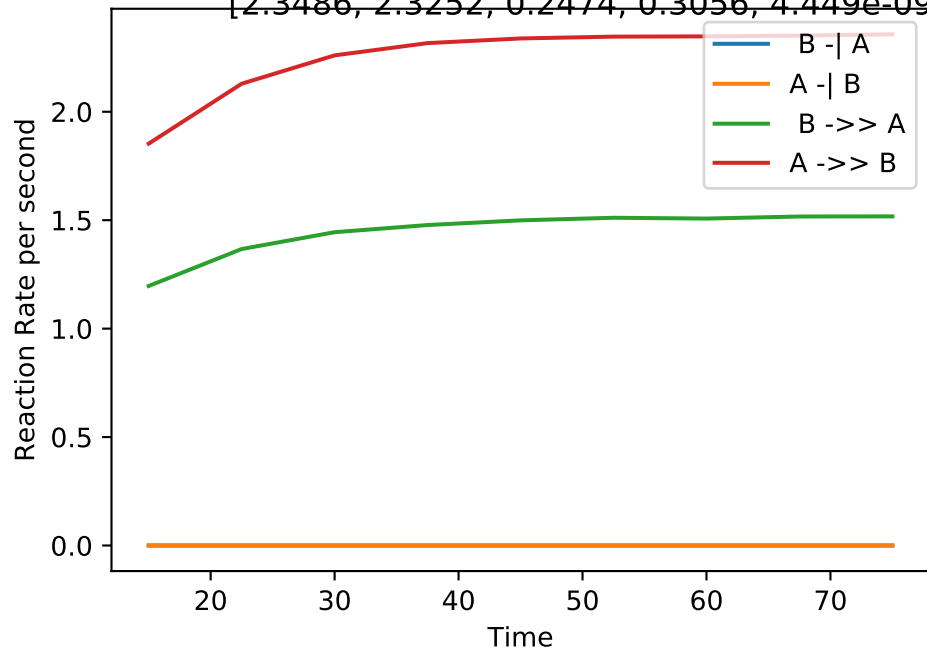
No_up | MB-LLS No_up(#218):

[2.2897, 2.3595, 0.1459, 0.1668, 3.408e-11, 3.65e-11, 0.0089, 0.0784, 0.0832, 0.0234]



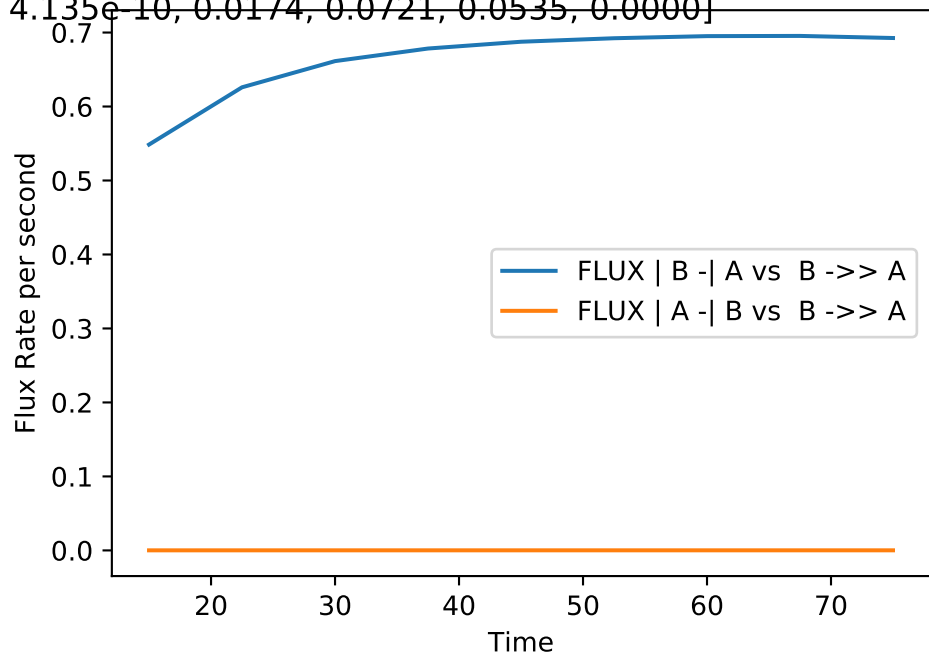
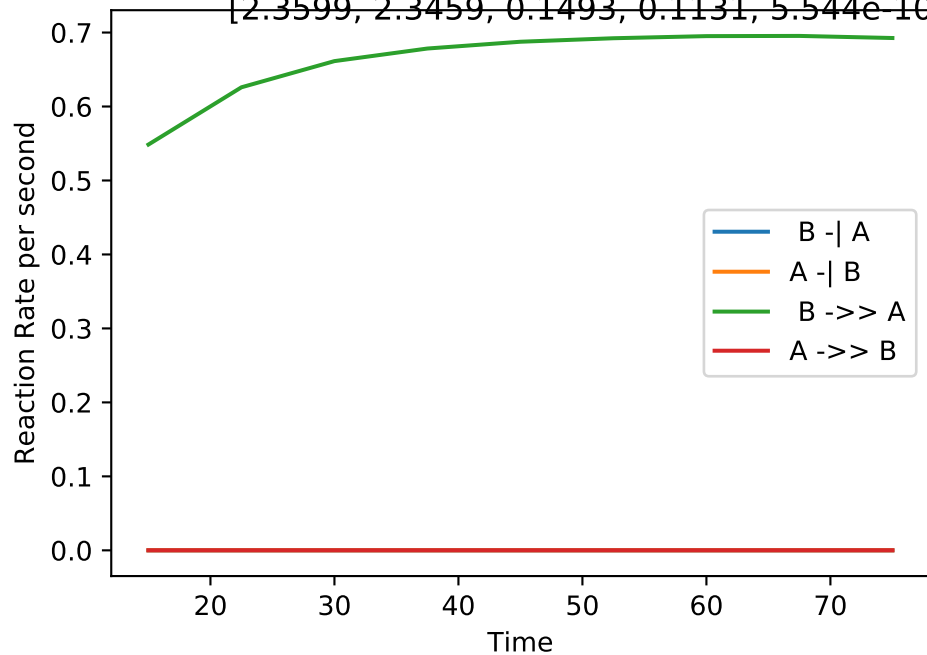
No_up | MB-LLS No_up(#219):

[2.3486, 2.3252, 0.2474, 0.3056, 4.449e-09, 1.567e-09, 0.0380, 0.1470, 0.1831, 0.0590]



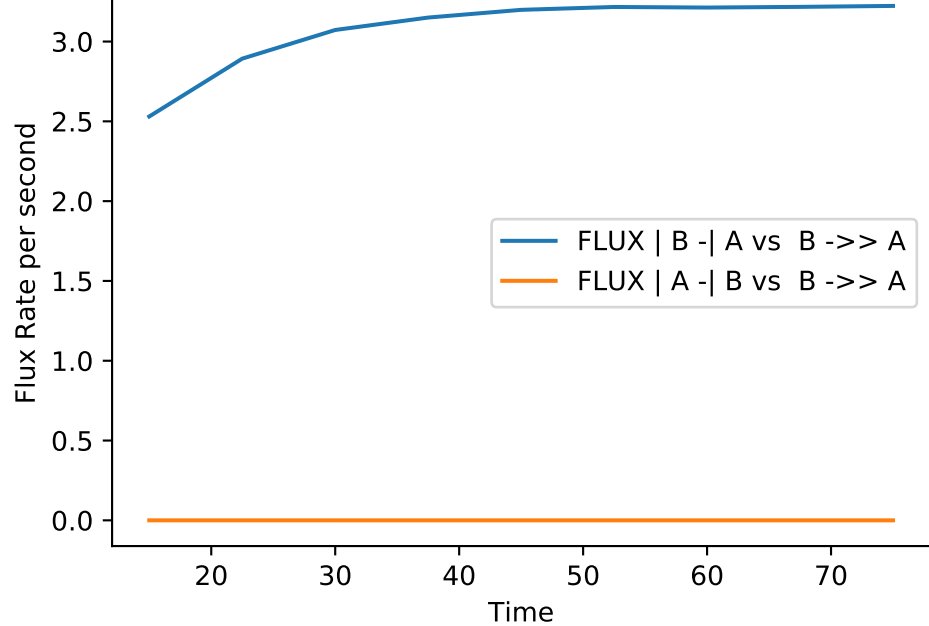
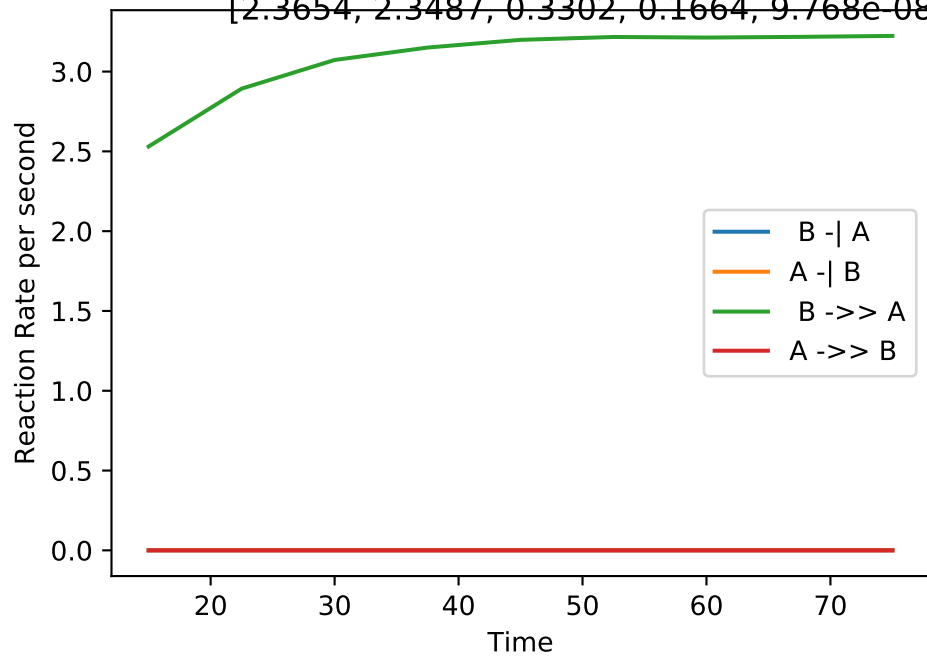
No_up | MB-LLS No_up(#220):

[2.3599, 2.3459, 0.1493, 0.1131, 5.544e-10, 4.135e-10, 0.0174, 0.0721, 0.0535, 0.0000]



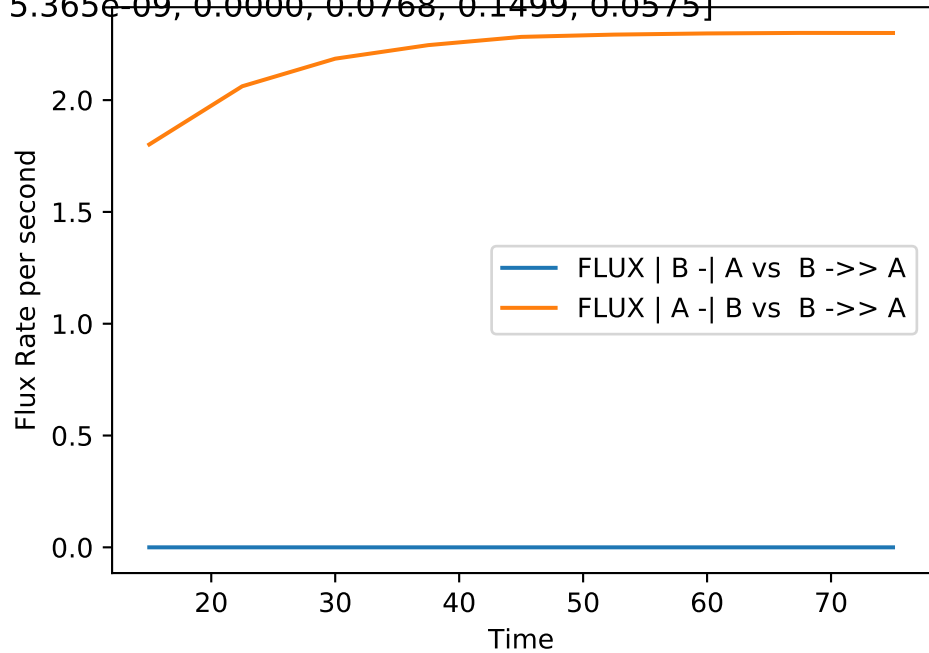
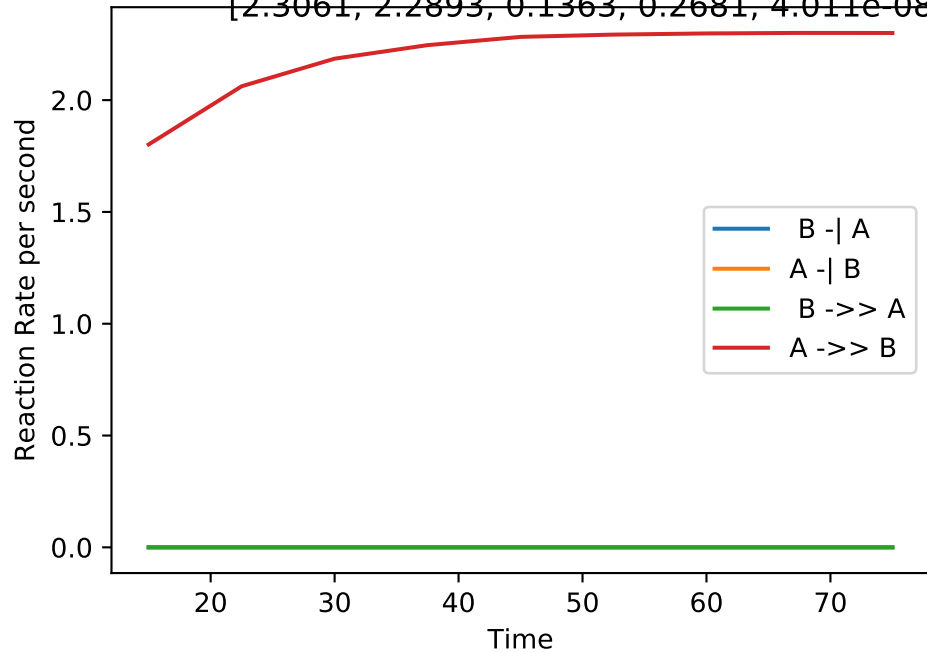
No_up | MB-LLS No_up(#221):

[2.3654, 2.3487, 0.3302, 0.1664, 9.768e-08, 5.147e-08, 0.0807, 0.1856, 0.1045, 0.0000]



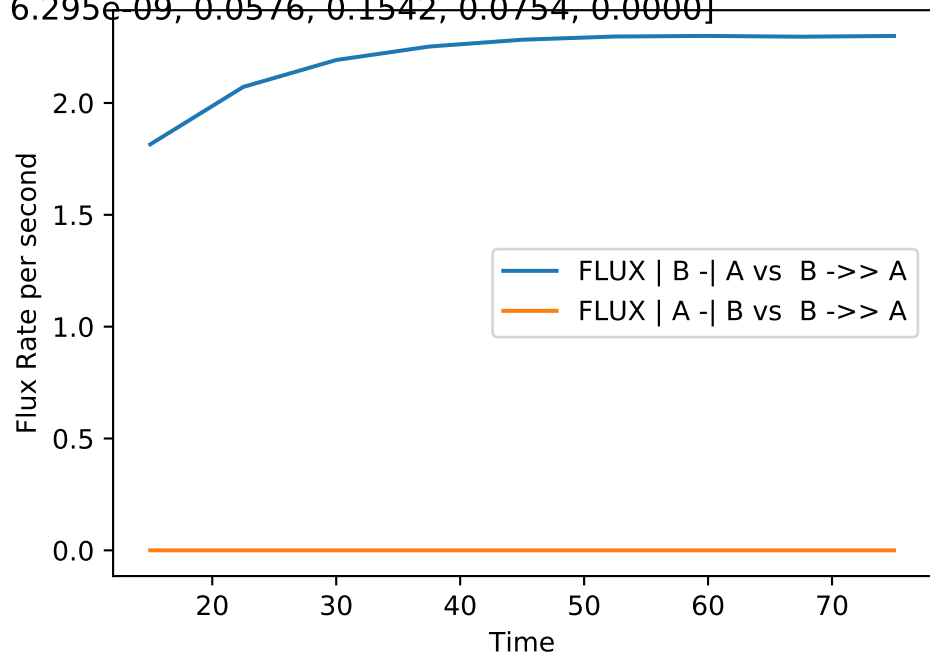
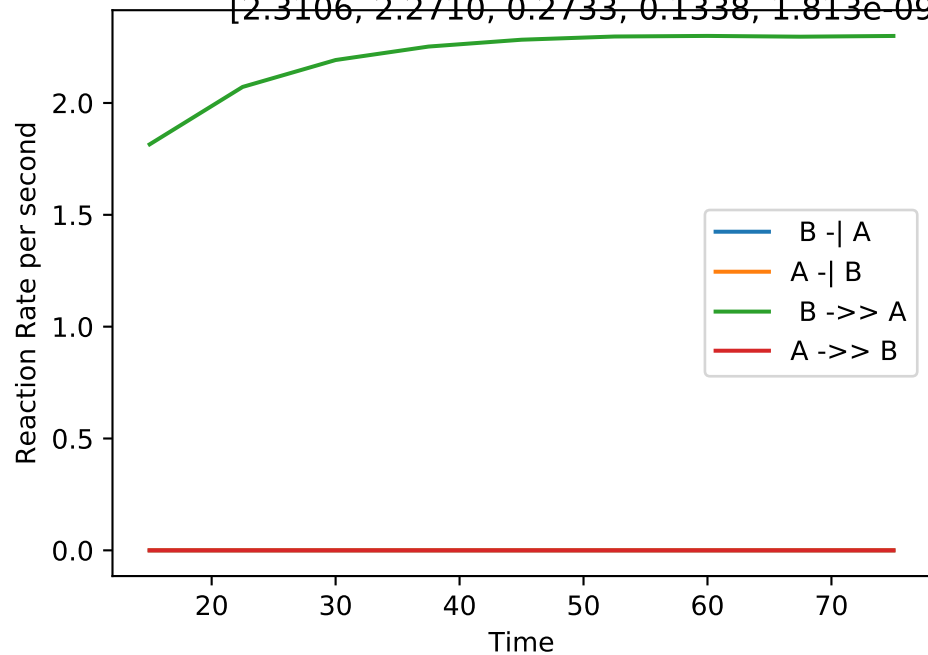
No_up | MB-LLS No_up(#222):

[2.3061, 2.2893, 0.1363, 0.2681, 4.011e-08, 5.365e-09, 0.0000, 0.0768, 0.1499, 0.0575]



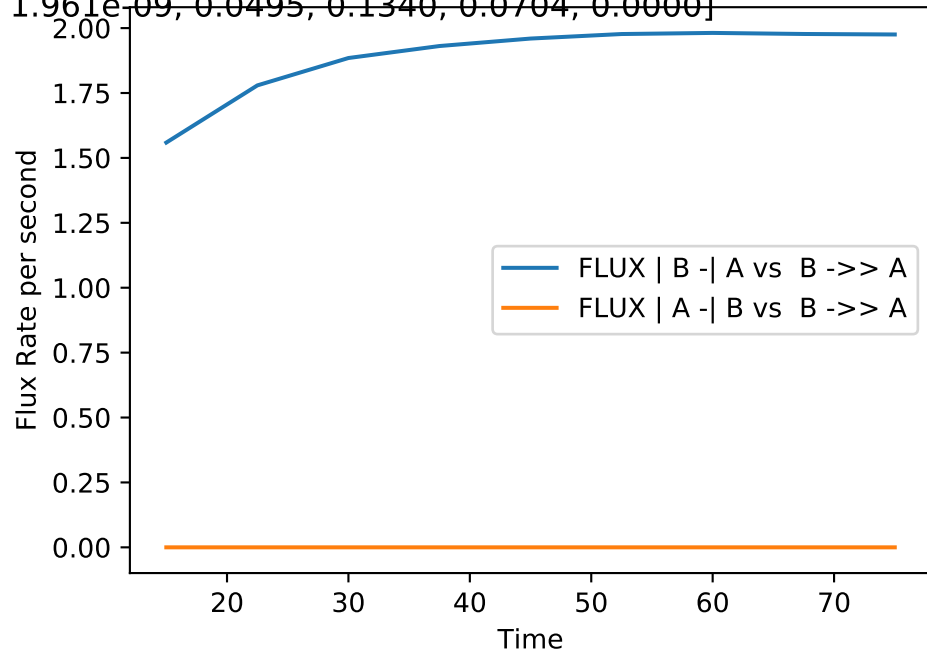
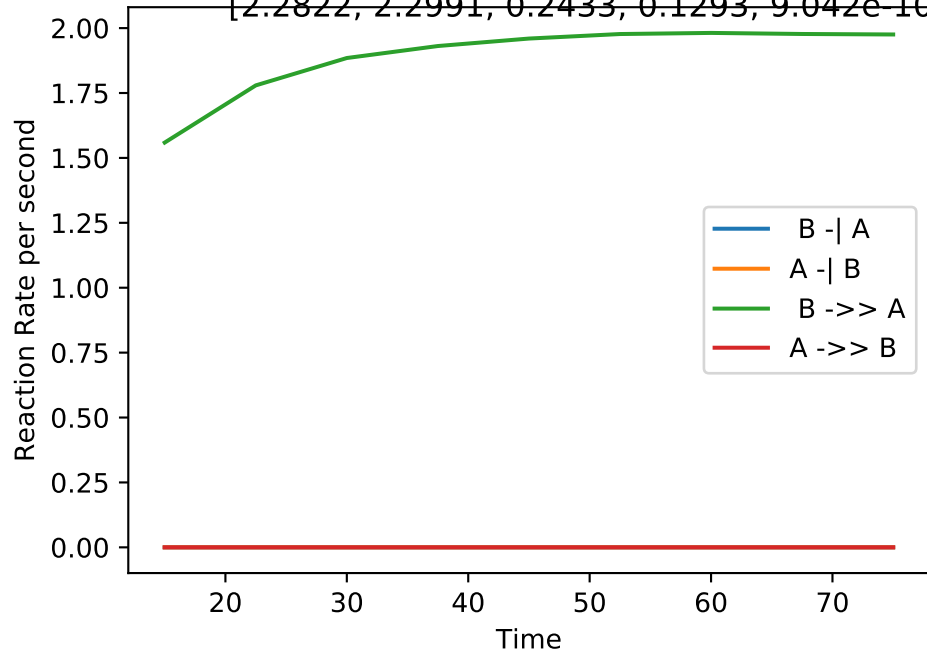
No_up | MB-LLS No_up(#223):

[2.3106, 2.2710, 0.2733, 0.1338, 1.813e-09, 6.295e-09, 0.0576, 0.1542, 0.0754, 0.0000]



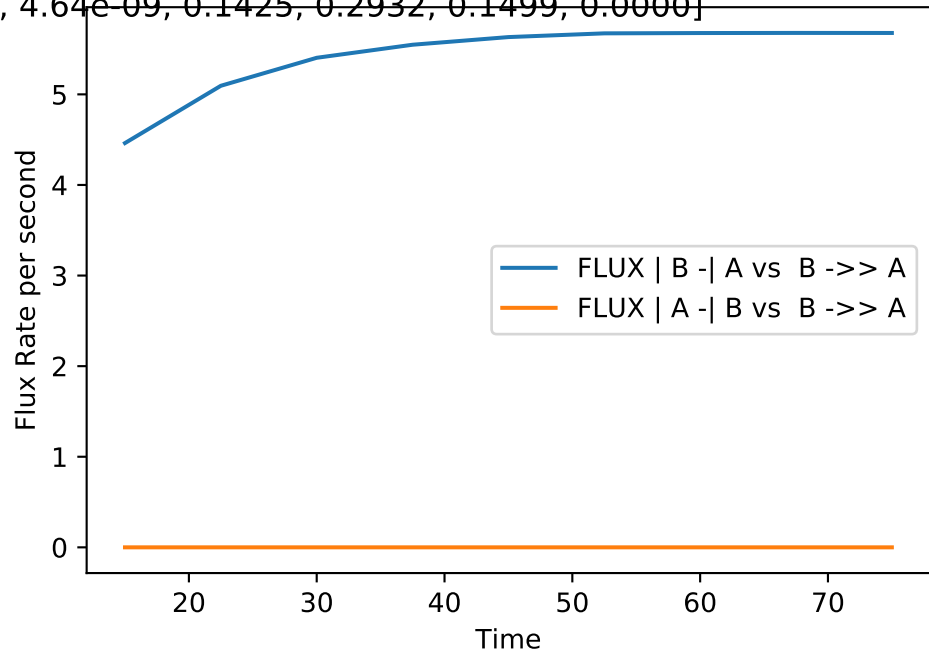
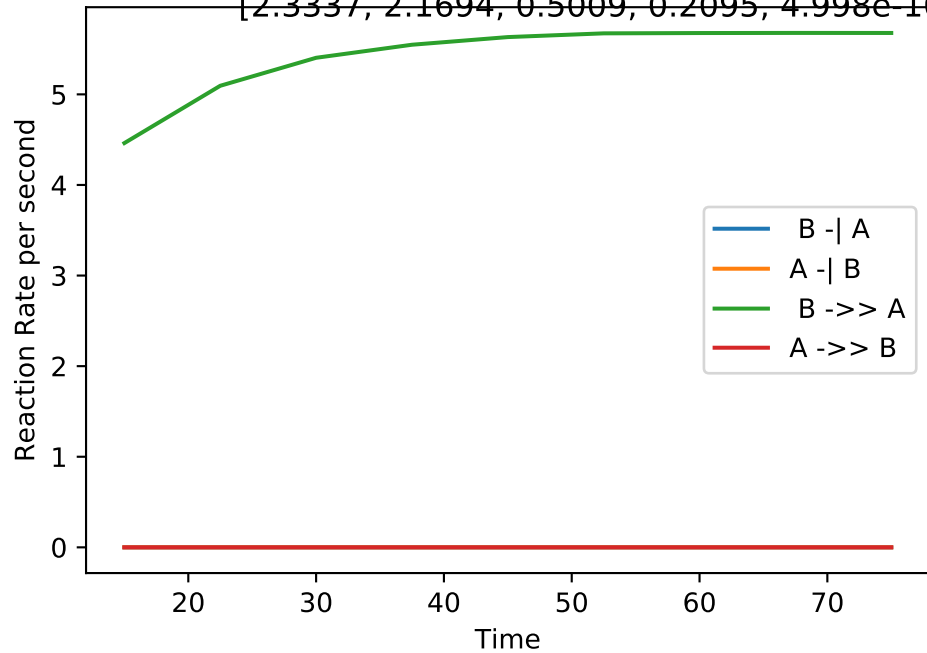
No_up | MB-LLS No_up(#224):

[2.2822, 2.2991, 0.2433, 0.1293, 9.042e-10, 1.961e-09, 0.0495, 0.1340, 0.0704, 0.0000]



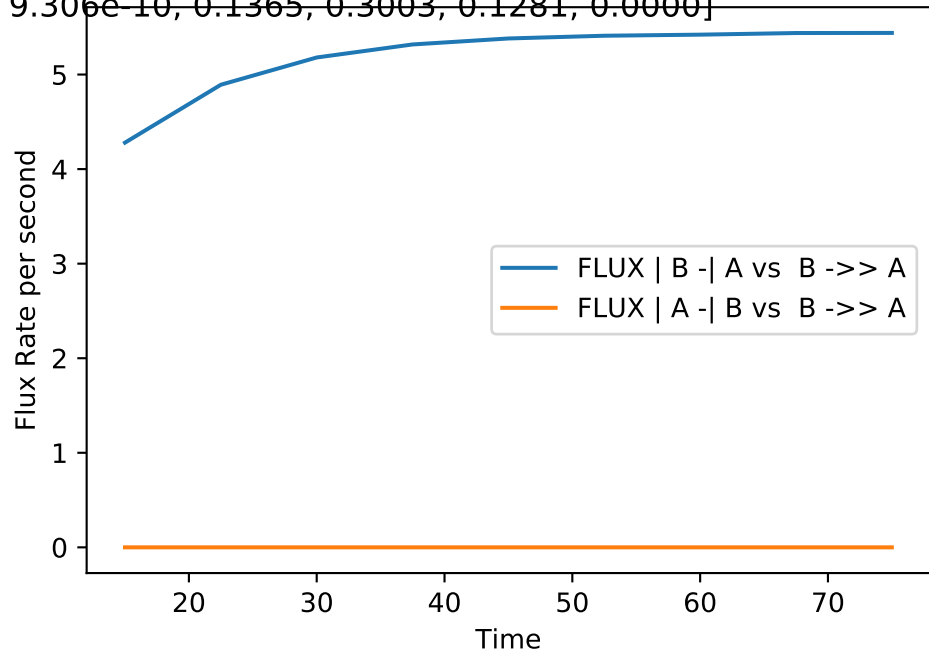
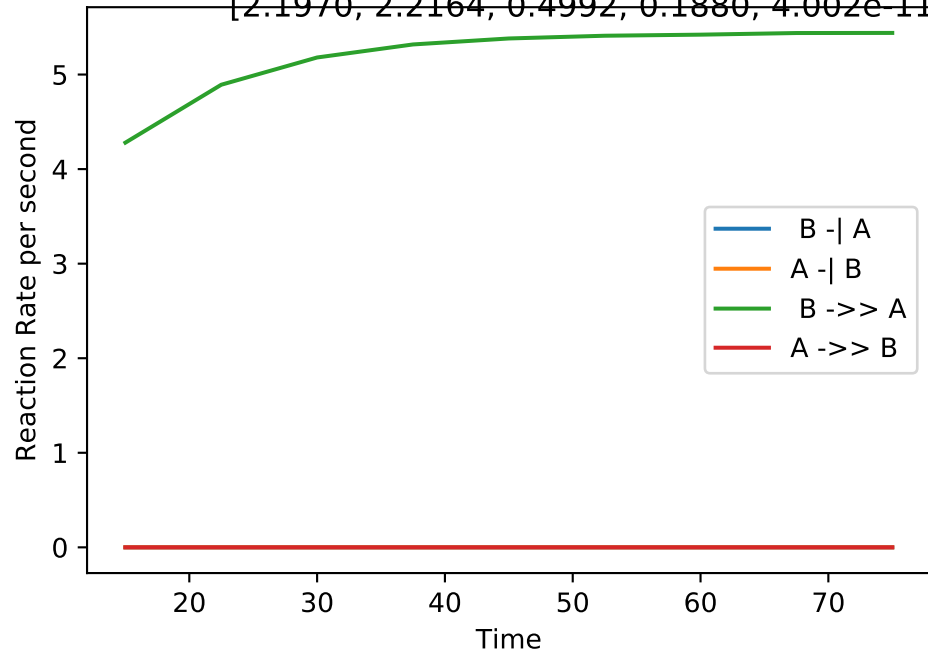
No_up | MB-LLS No_up(#225):

[2.3337, 2.1694, 0.5009, 0.2095, 4.998e-10, 4.64e-09, 0.1425, 0.2932, 0.1499, 0.0000]



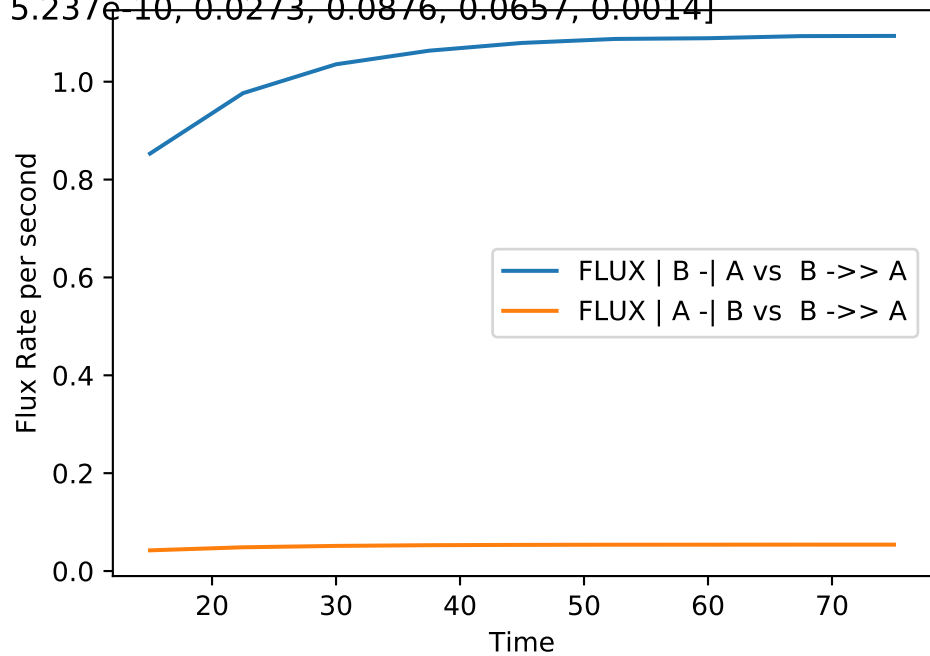
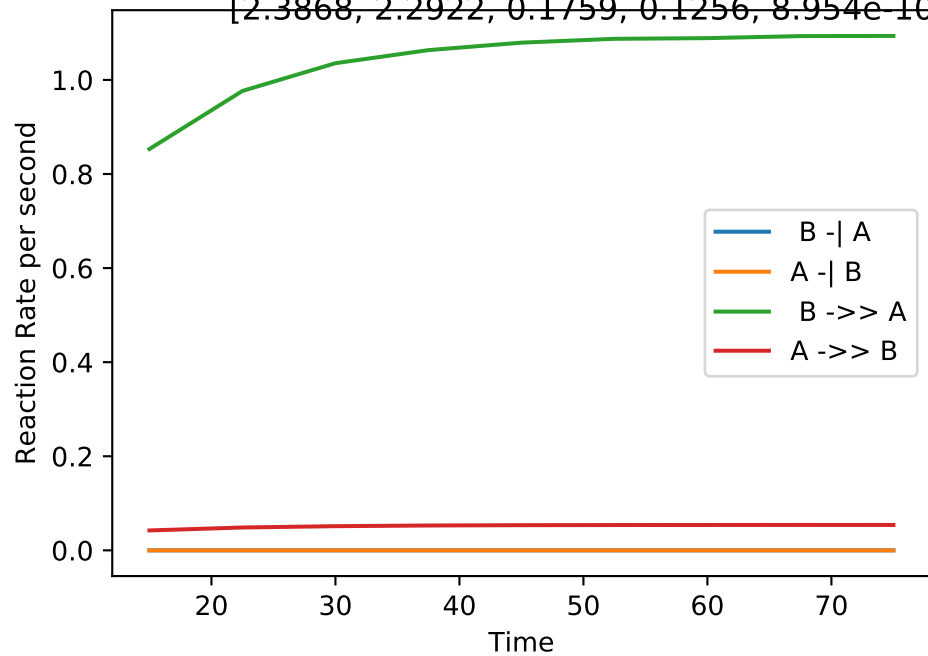
No_up | MB-LLS No_up(#226):

[2.1970, 2.2164, 0.4992, 0.1880, 4.002e-11, 9.306e-10, 0.1365, 0.3003, 0.1281, 0.0000]



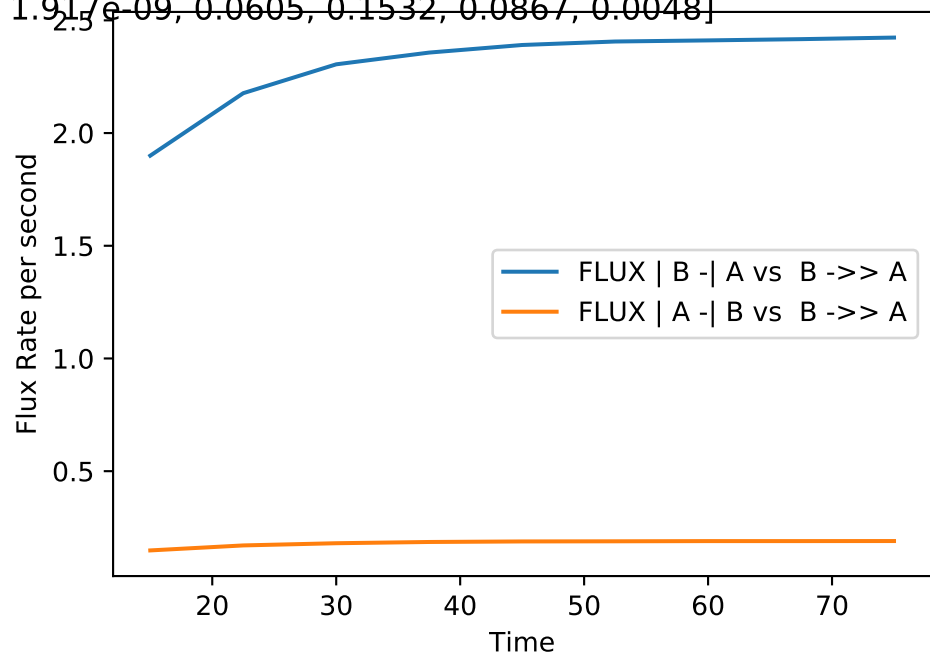
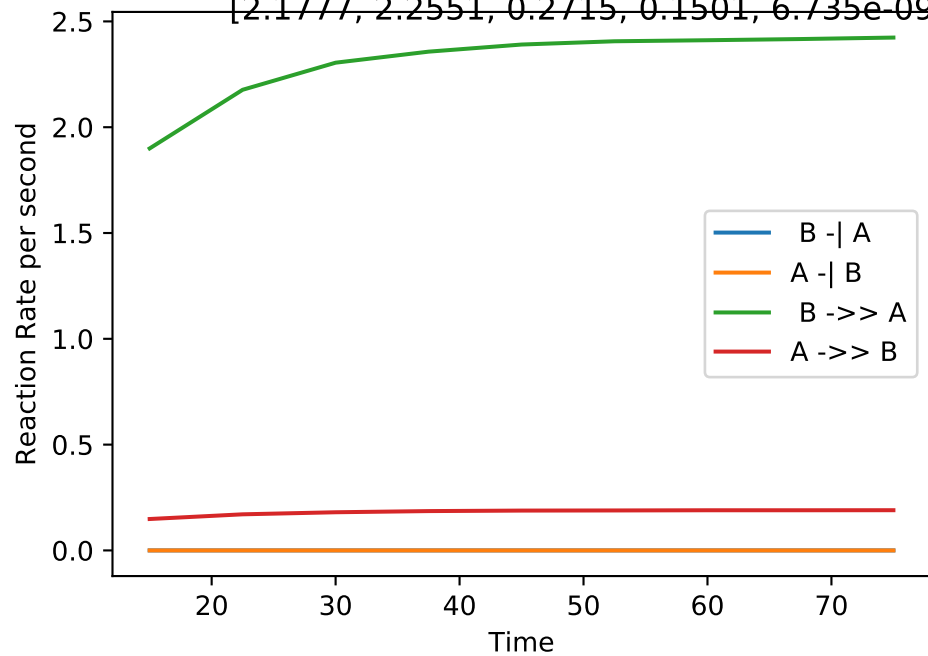
No_up | MB-LLS No_up(#227):

[2.3868, 2.2922, 0.1759, 0.1256, 8.954e-10, 5.237e-10, 0.0273, 0.0876, 0.0657, 0.0014]



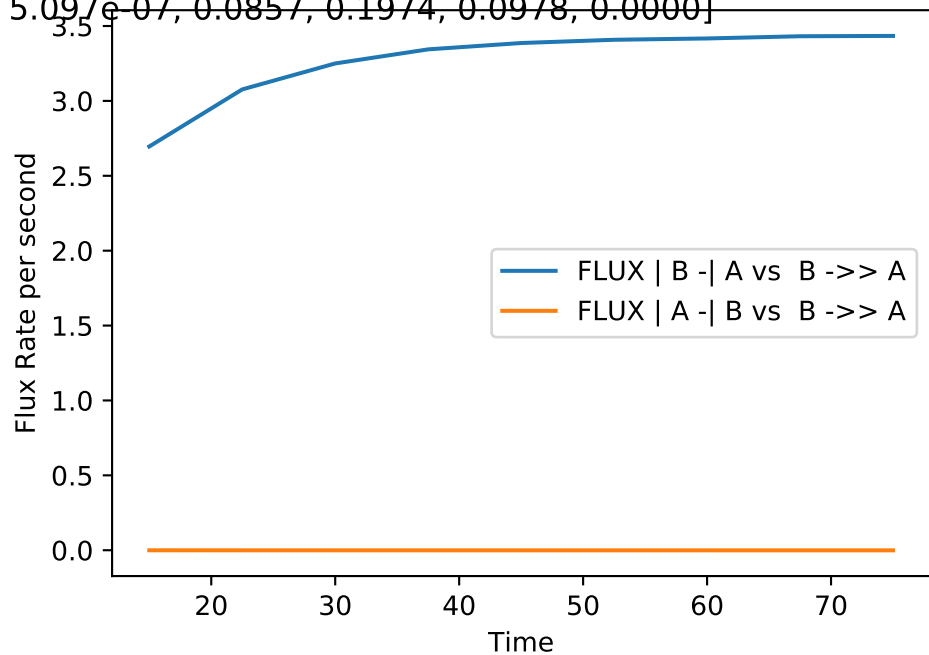
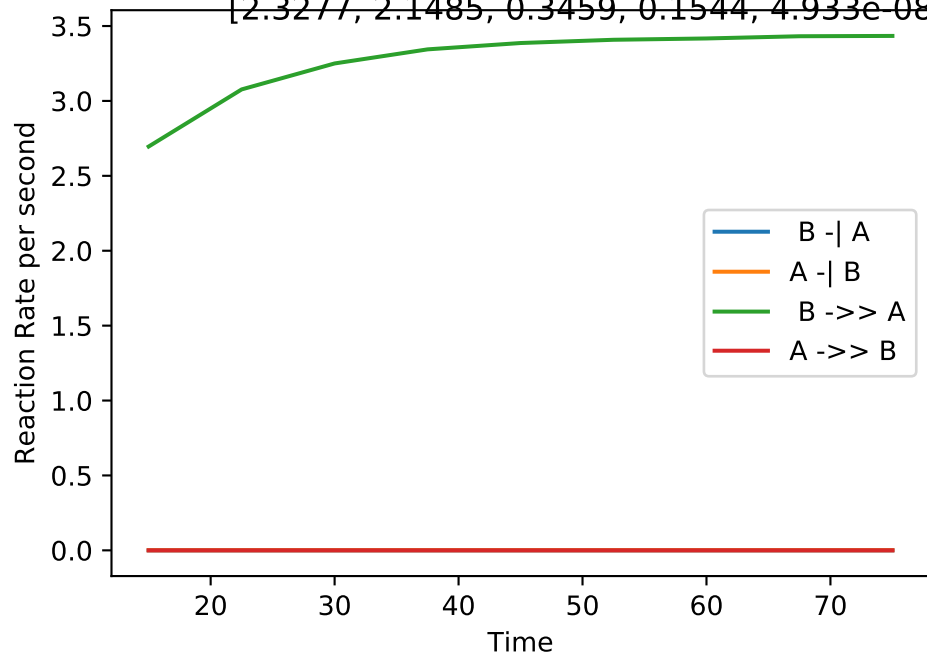
No_up | MB-LLS No_up(#228):

[2.1777, 2.2551, 0.2715, 0.1501, 6.735e-09, 1.917e-09, 0.0605, 0.1532, 0.0867, 0.0048]



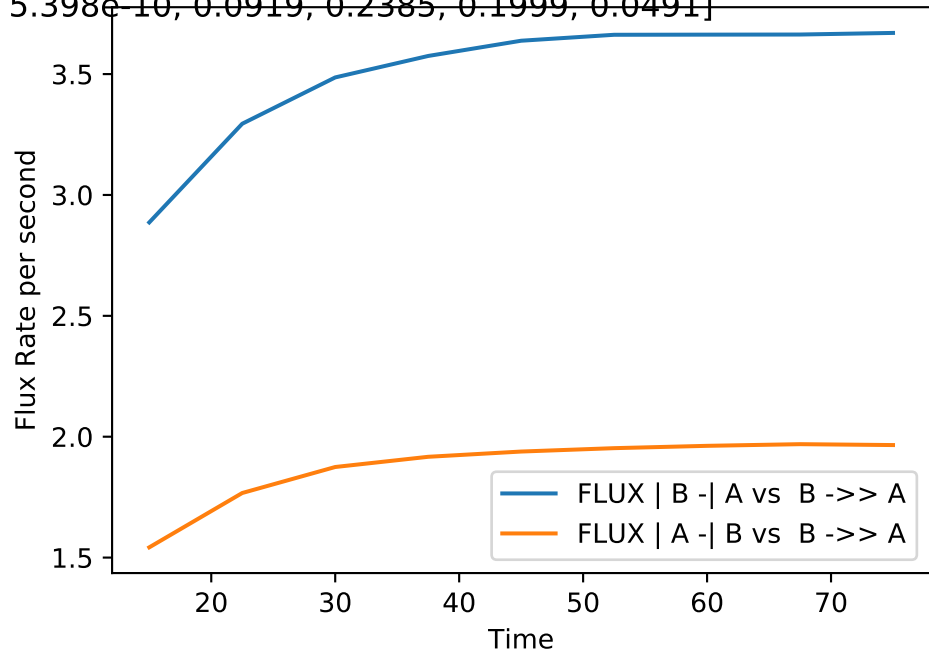
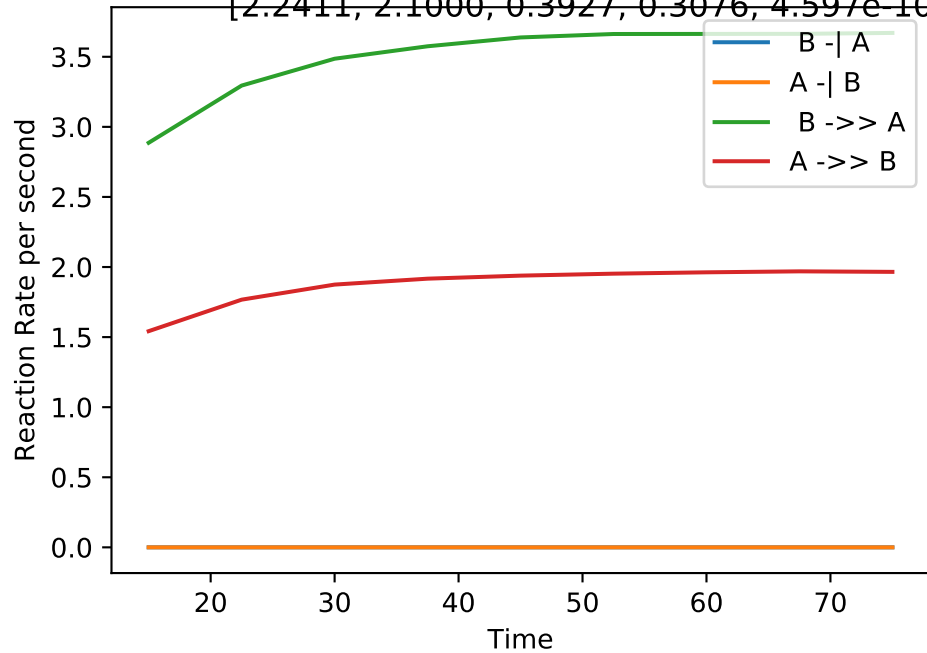
No_up | MB-LLS No_up(#229):

[2.3277, 2.1485, 0.3459, 0.1544, 4.933e-08, 5.097e-07, 0.0857, 0.1974, 0.0978, 0.0000]



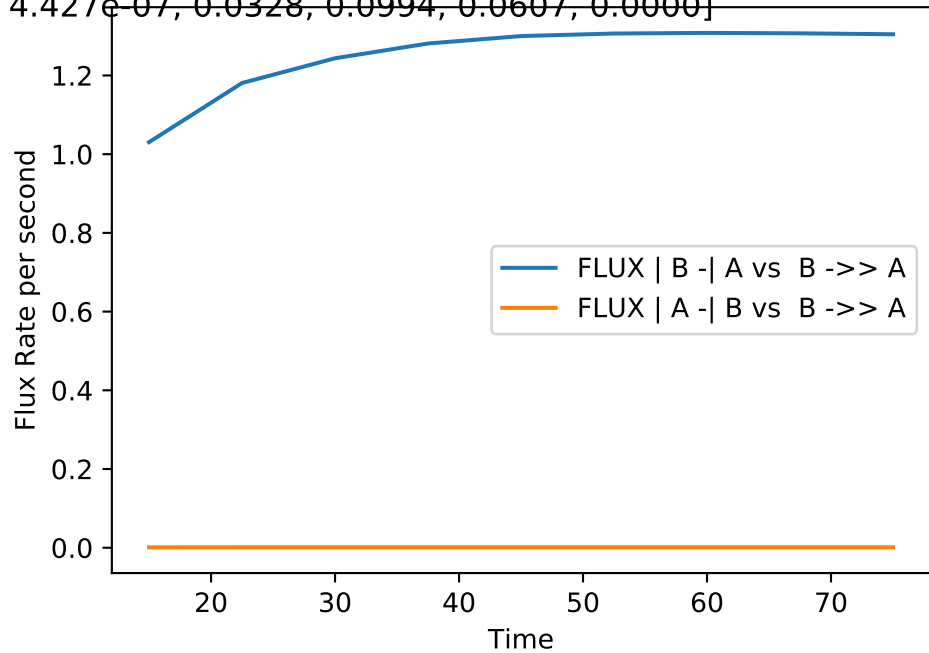
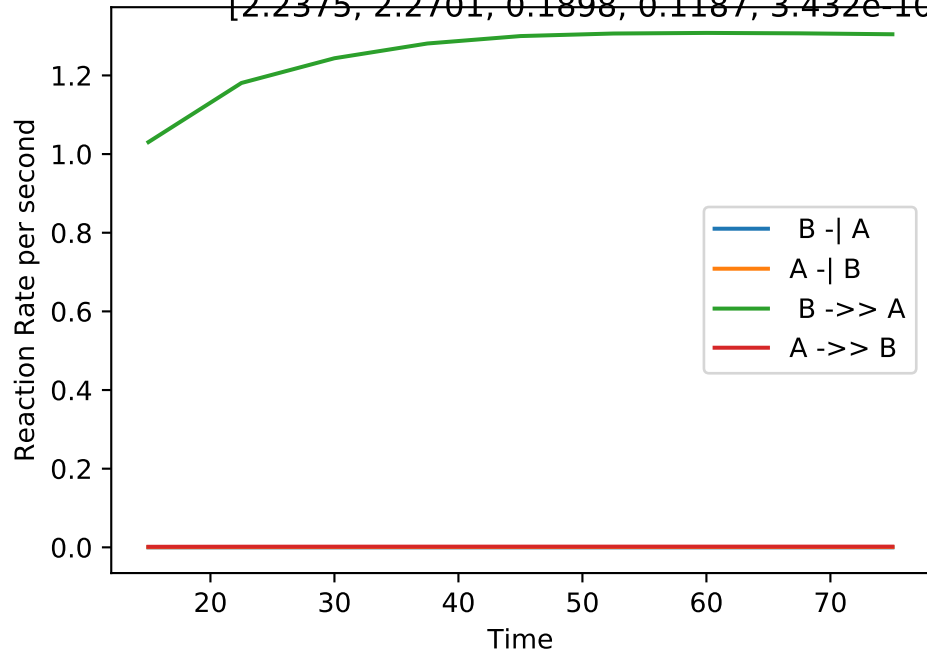
No_up | MB-LLS No_up(#230):

[2.2411, 2.1000, 0.3927, 0.3076, 4.597e-10, 5.398e-10, 0.0919, 0.2385, 0.1999, 0.0491]



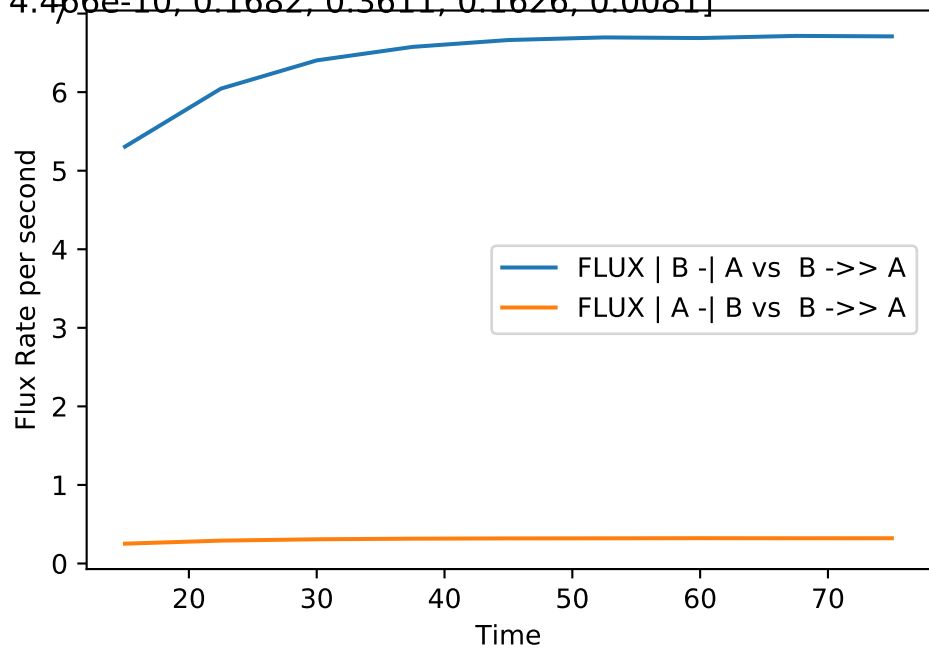
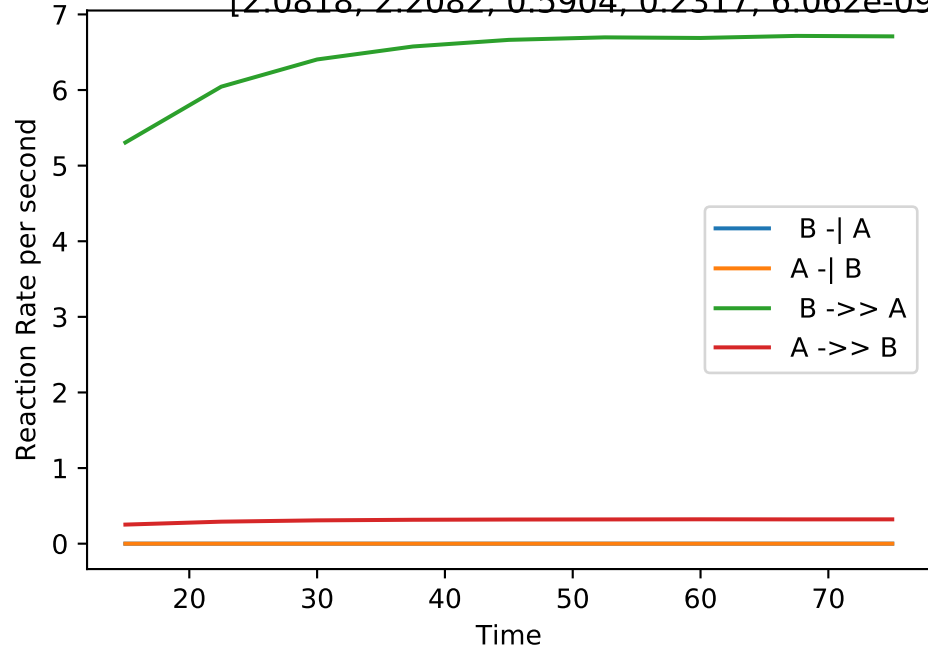
No_up | MB-LLS No_up(#231):

[2.2375, 2.2701, 0.1898, 0.1187, 3.432e-10, 4.427e-07, 0.0328, 0.0994, 0.0607, 0.0000]



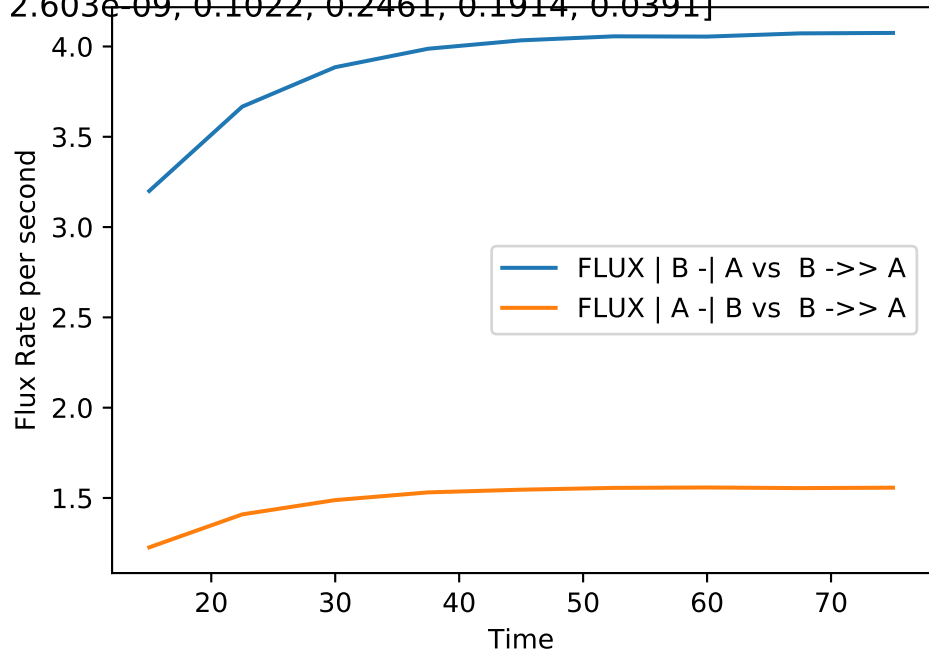
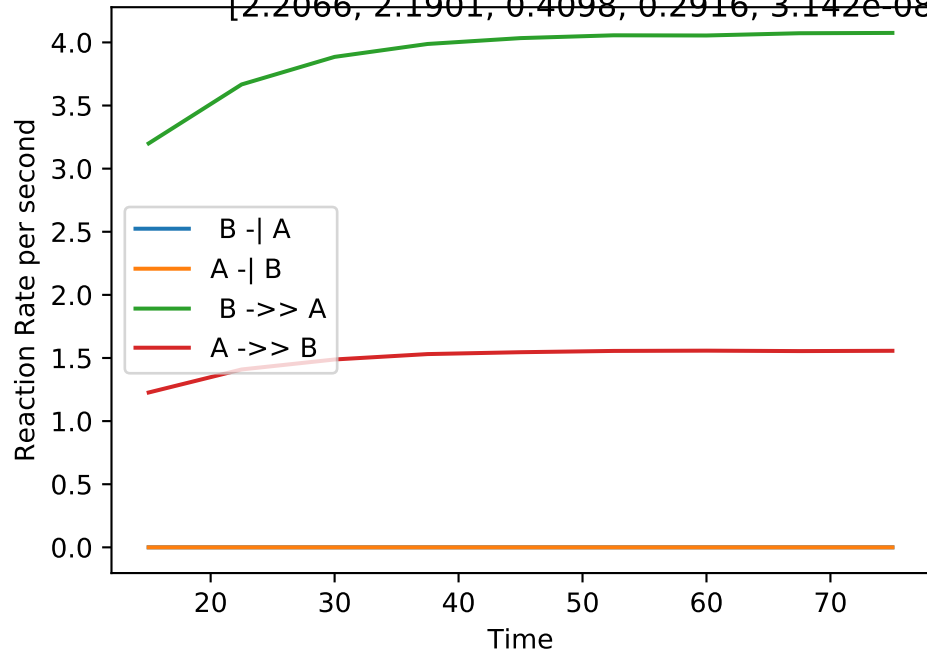
No_up | MB-LLS No_up(#232):

[2.0818, 2.2082, 0.5904, 0.2317, 6.062e-09, 4.466e-10, 0.1682, 0.3611, 0.1626, 0.0081]



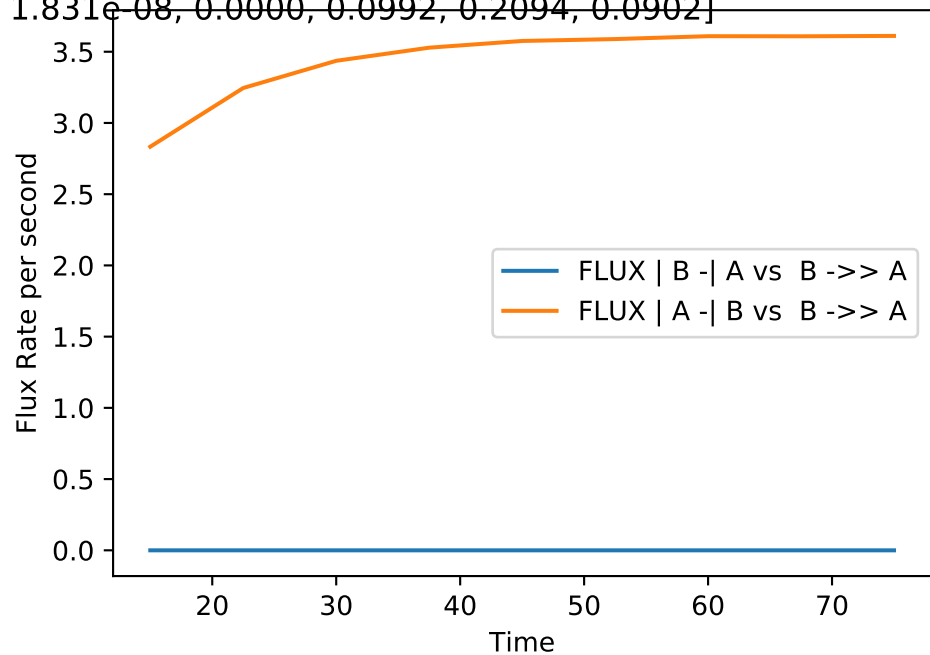
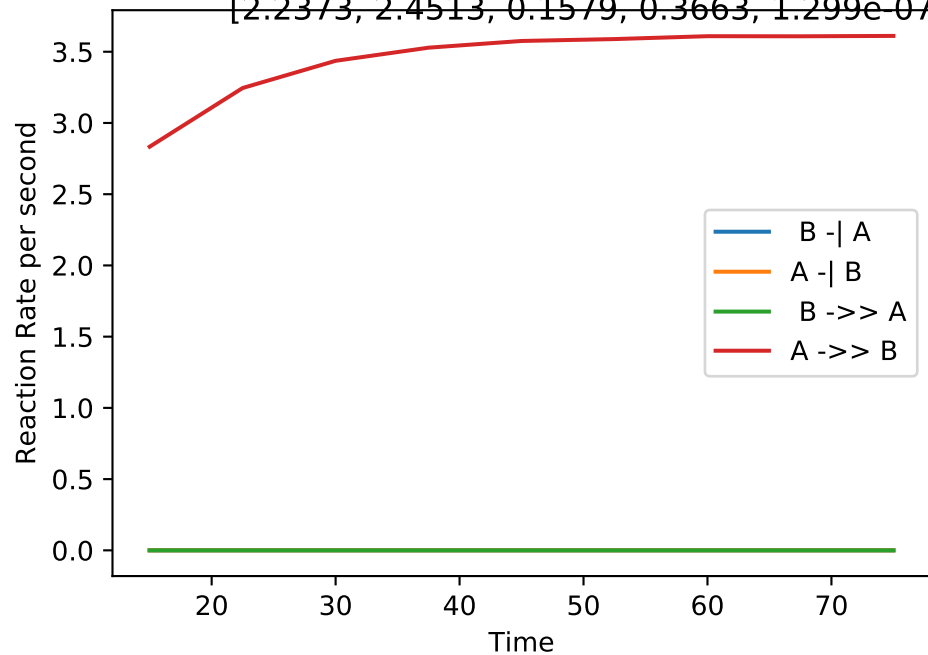
No_up | MB-LLS No_up(#233):

[2.2066, 2.1901, 0.4098, 0.2916, 3.142e-08, 2.603e-09, 0.1022, 0.2461, 0.1914, 0.0391]



No_up | MB-LLS No_up(#234):

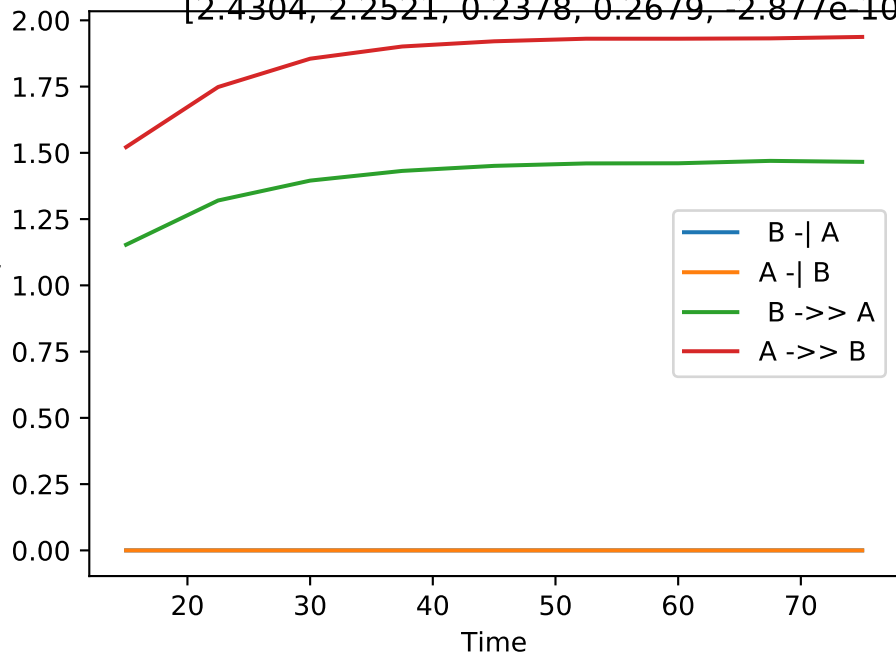
[2.2373, 2.4513, 0.1579, 0.3663, 1.299e-07, 1.831e-08, 0.0000, 0.0992, 0.2094, 0.0902]



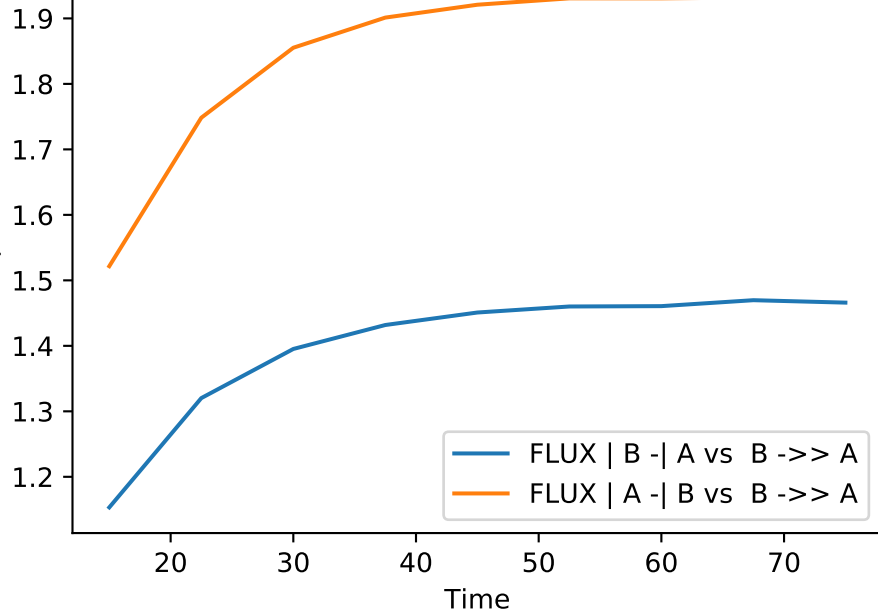
No_up | MB-LLS No_up(#235):

[2.4304, 2.2521, 0.2378, 0.2679, 2.877e-10, 4.688e-10, 0.0368, 0.1368, 0.1585, 0.0485]

Reaction Rate per second

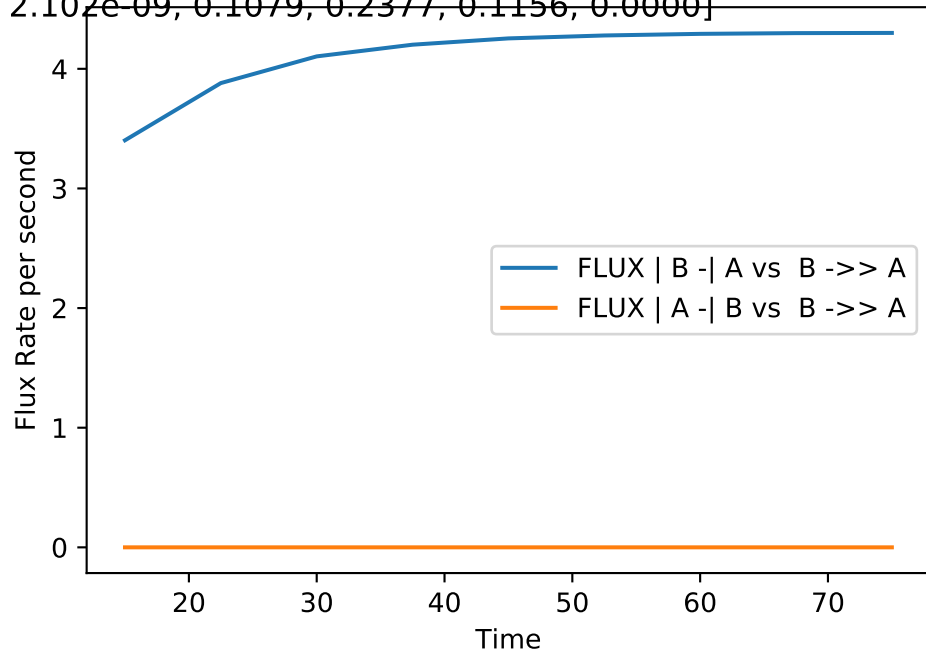
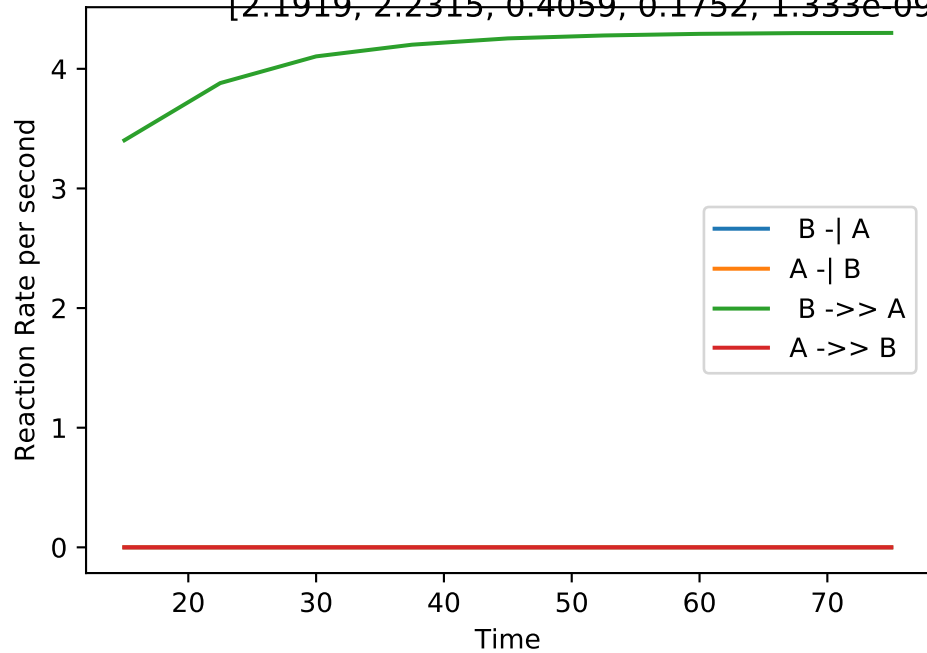


Flux Rate per second



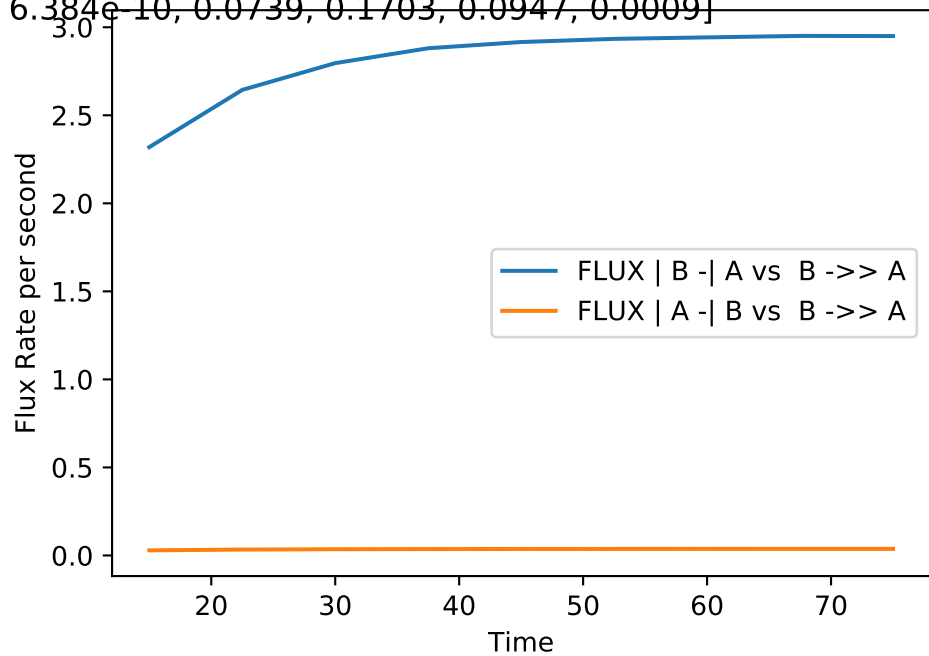
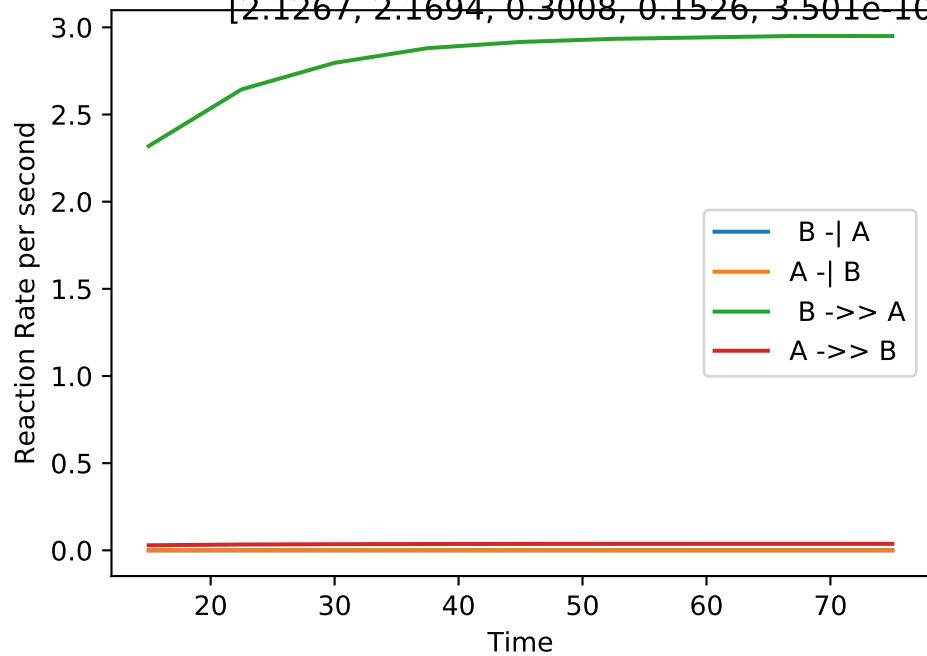
No_up | MB-LLS No_up(#236):

[2.1919, 2.2315, 0.4059, 0.1752, 1.333e-09, 2.102e-09, 0.1079, 0.2377, 0.1156, 0.0000]



No_up | MB-LLS No_up(#237):

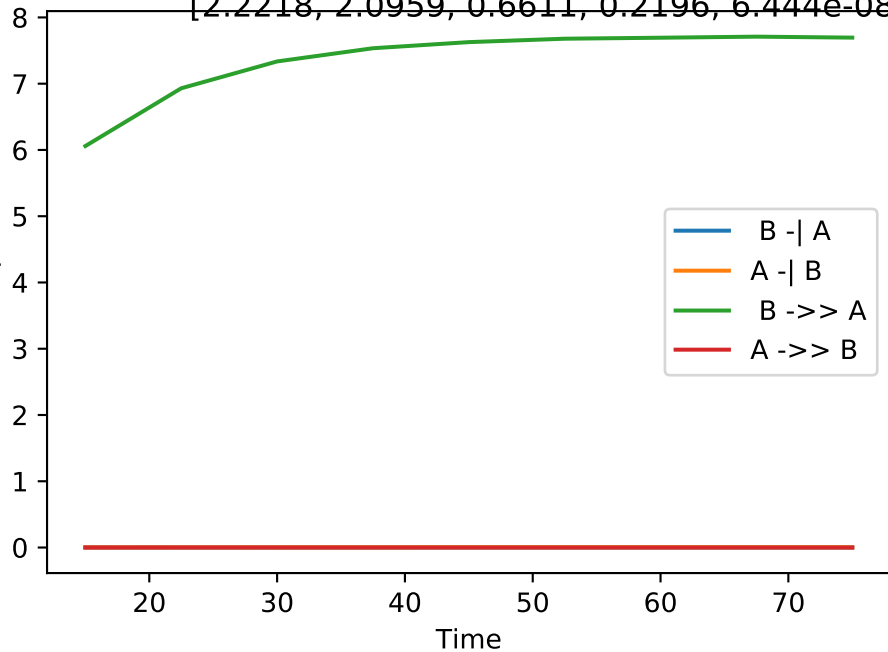
[2.1267, 2.1694, 0.3008, 0.1526, 3.501e-10, 6.384e-10, 0.0739, 0.1703, 0.0947, 0.0009]



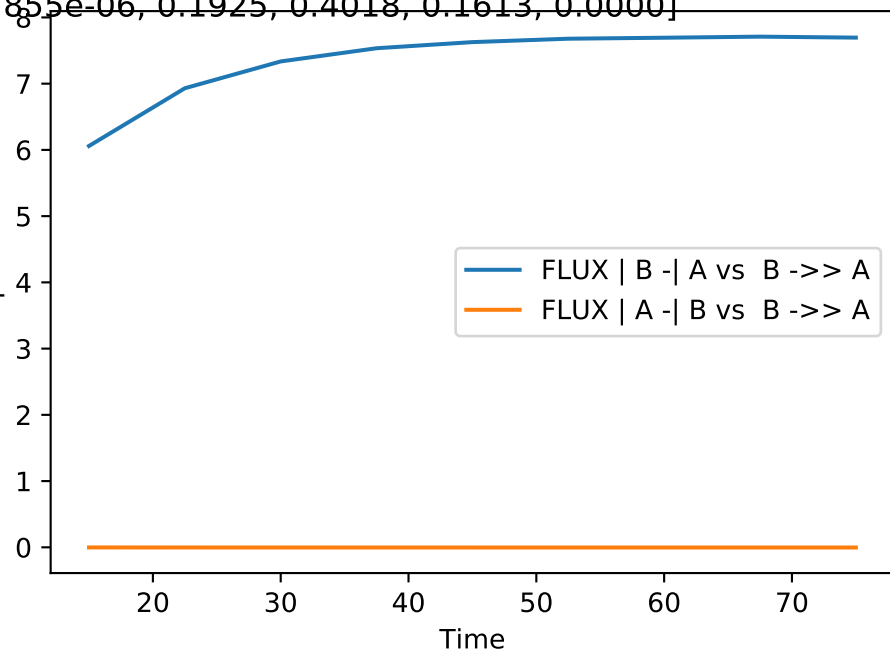
No_up | MB-LLS No_up(#238):

[2.2218, 2.0959, 0.6611, 0.2196, 6.444e-08, 1.855e-06, 0.1925, 0.4018, 0.1613, 0.0000]

Reaction Rate per second

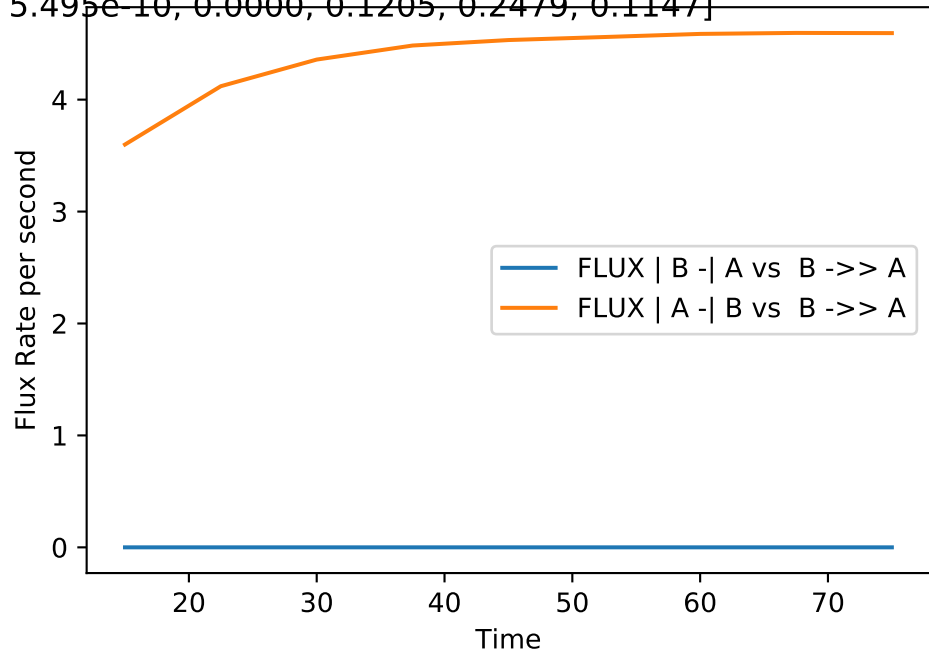
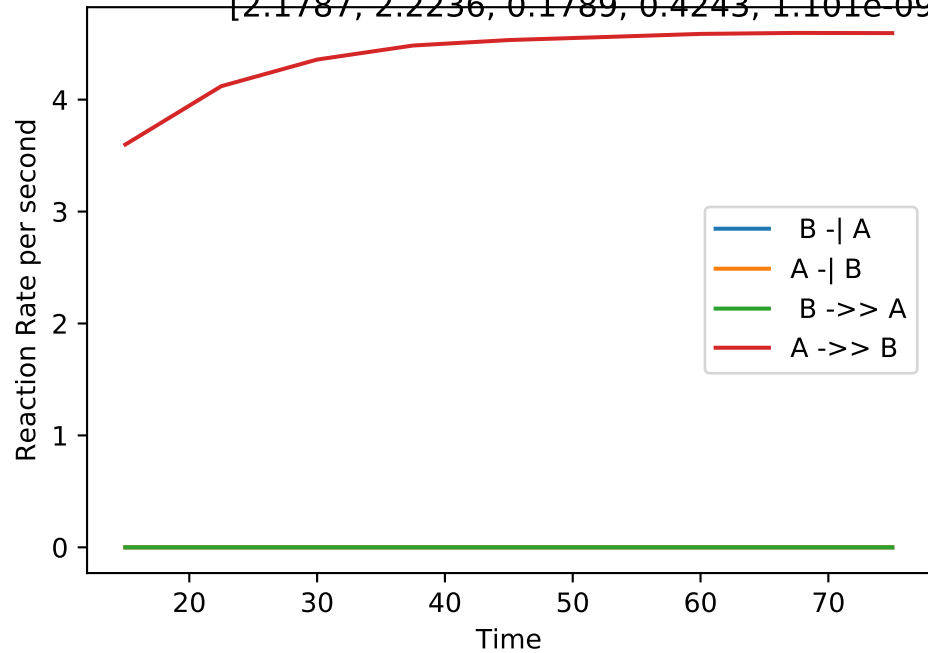


Flux Rate per second



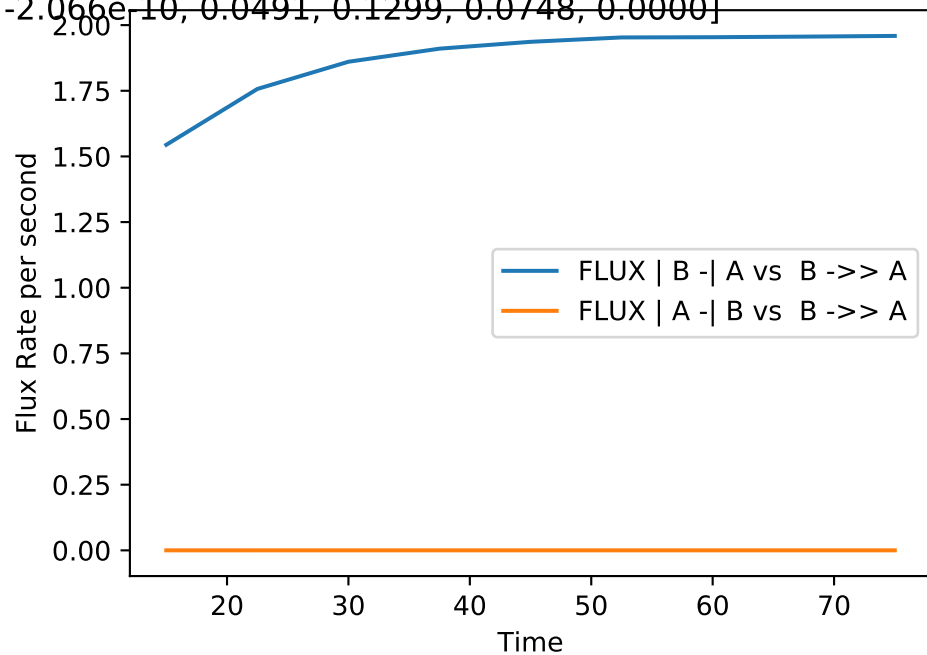
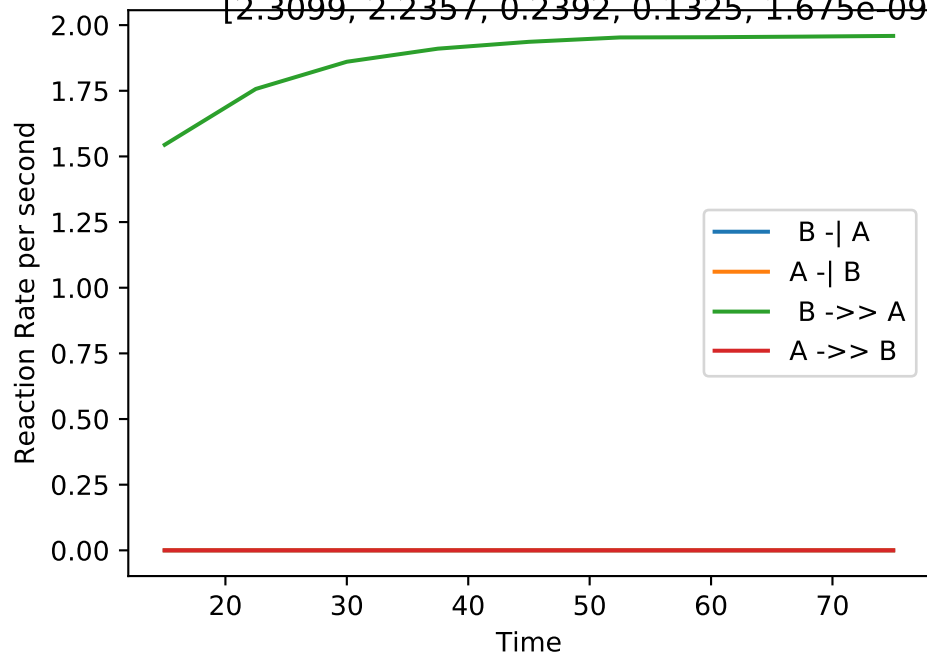
No_up | MB-LLS No_up(#239):

[2.1787, 2.2236, 0.1789, 0.4243, 1.101e-09, 5.495e-10, 0.0000, 0.1205, 0.2479, 0.1147]



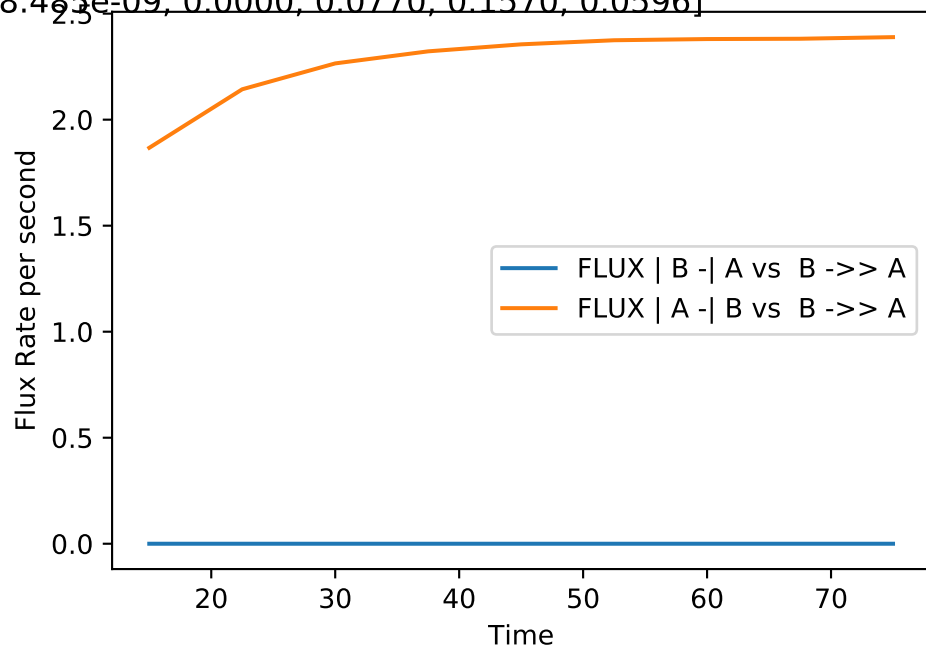
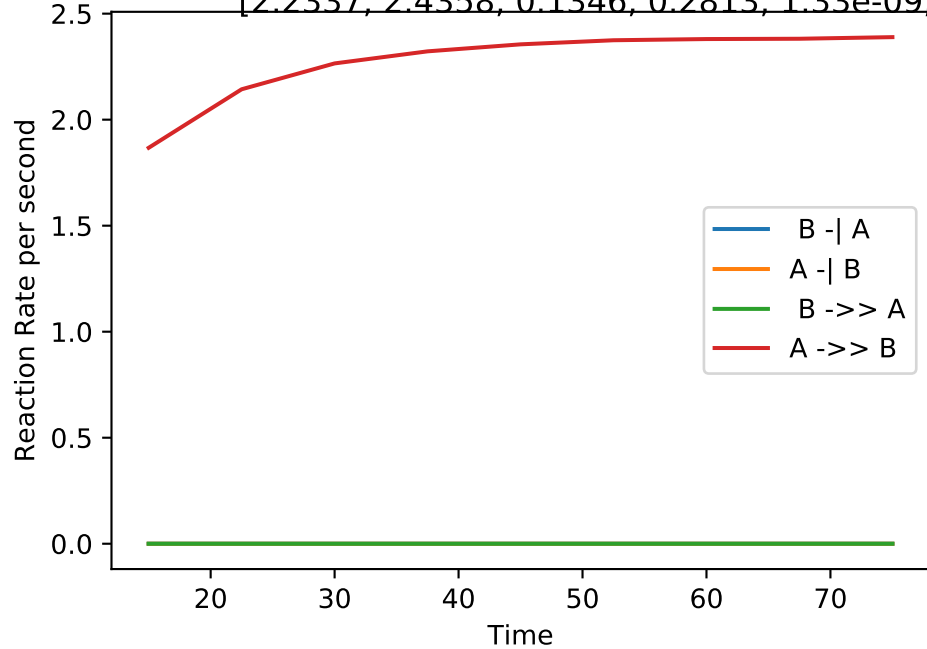
No_up | MB-LLS No_up(#240):

[2.3099, 2.2357, 0.2392, 0.1325, 1.675e-09, -2.066e-10, 0.0491, 0.1299, 0.0748, 0.0000]



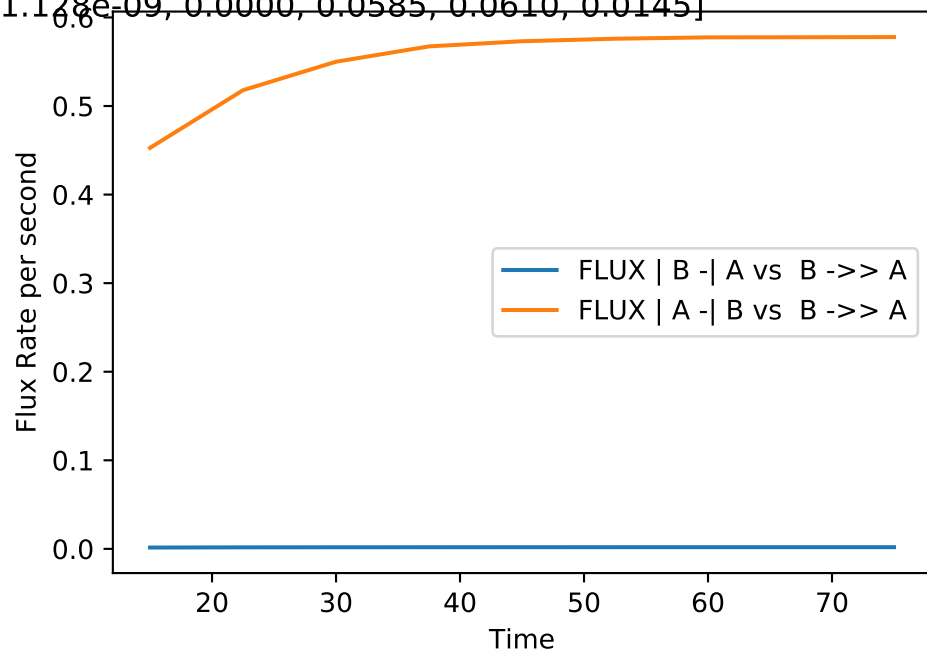
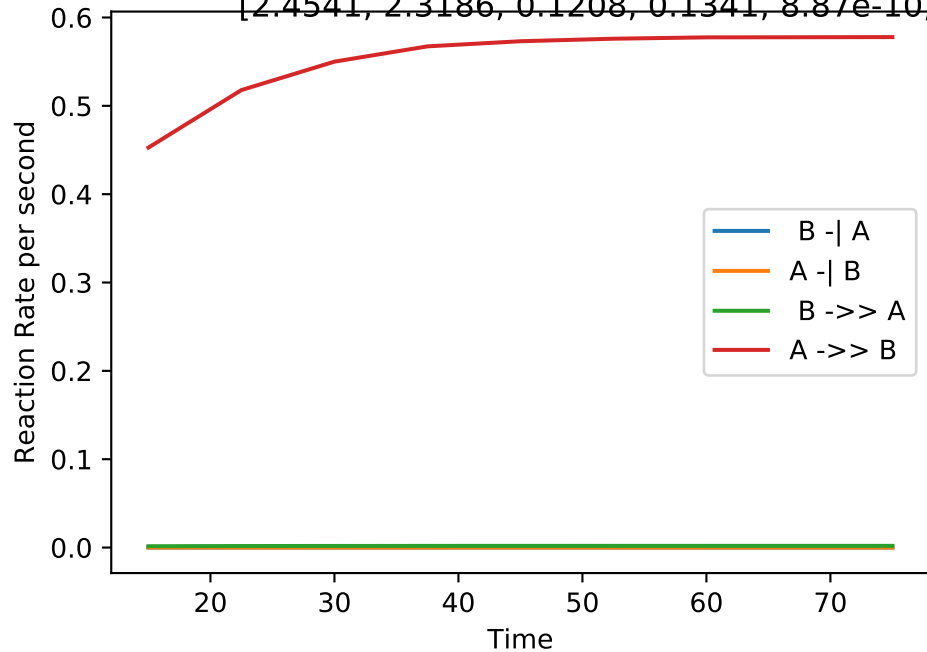
No_up | MB-LLS No_up(#241):

[2.2337, 2.4358, 0.1346, 0.2813, 1.33e-09, 8.485e-09, 0.0000, 0.0770, 0.1570, 0.0596]



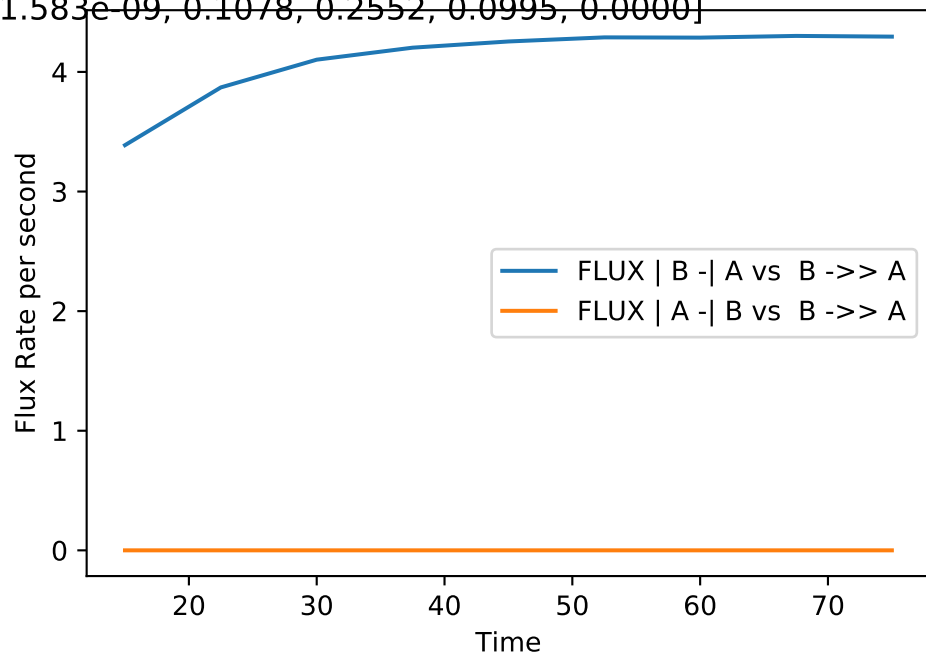
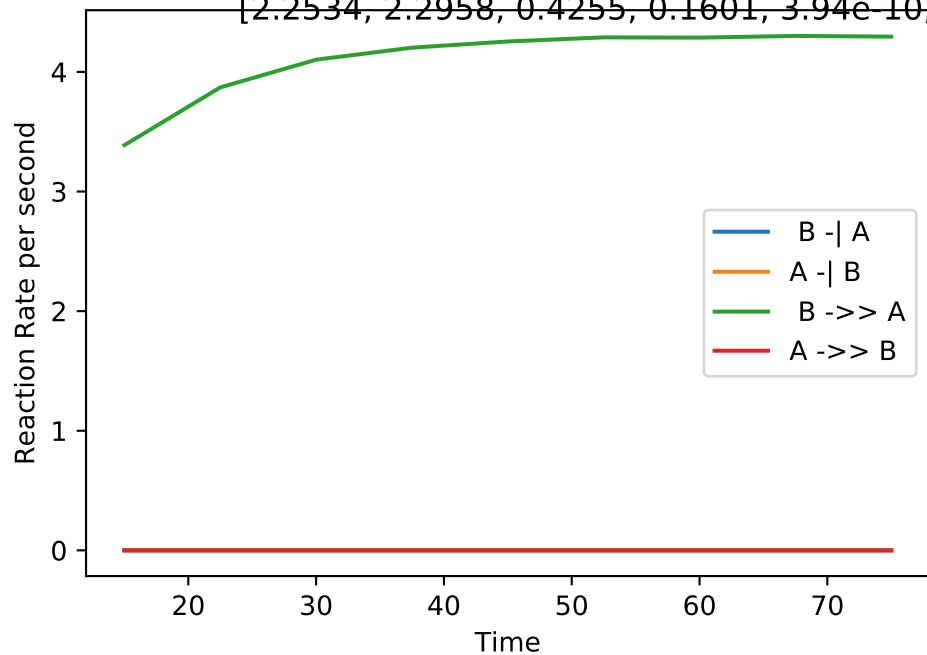
No_up | MB-LLS No_up(#242):

[2.4541, 2.3186, 0.1208, 0.1341, 8.87e-10, 1.128e-09, 0.0000, 0.0585, 0.0610, 0.0145]



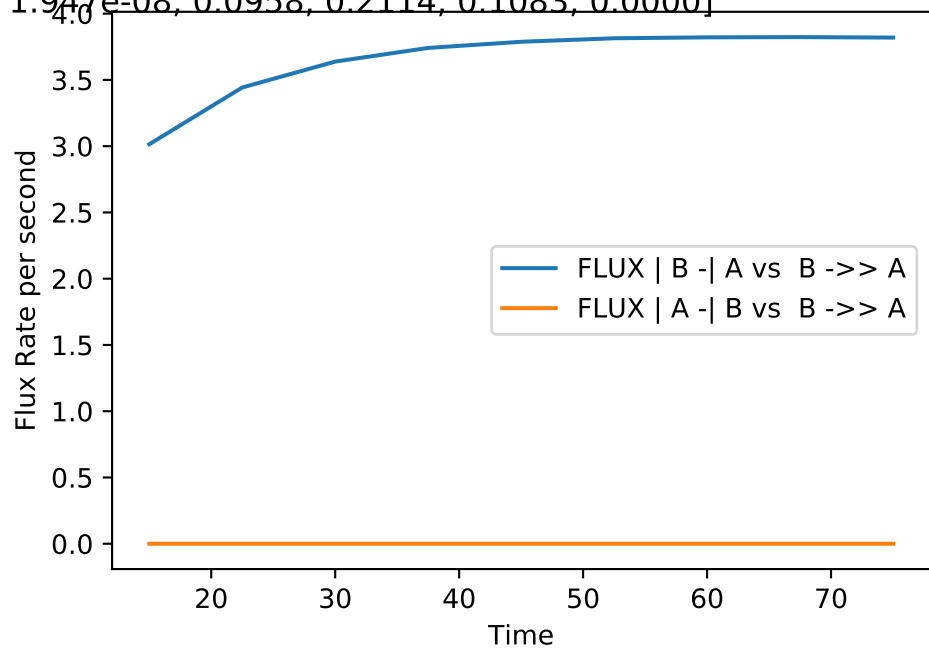
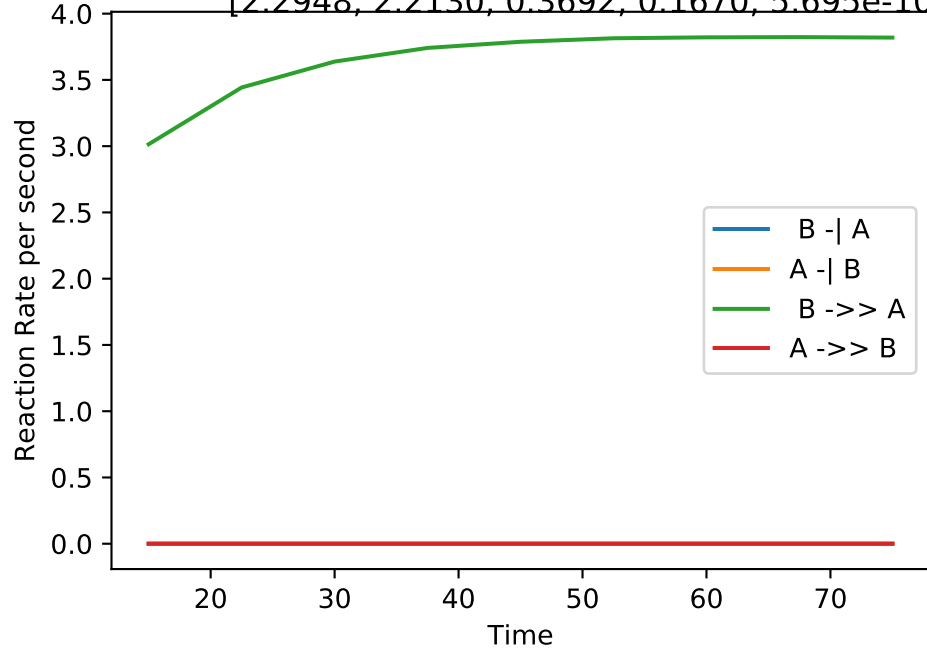
No_up | MB-LLS No_up(#243):

[2.2534, 2.2958, 0.4255, 0.1601, 3.94e-10, 1.583e-09, 0.1078, 0.2552, 0.0995, 0.0000]



No_up | MB-LLS No_up(#244):

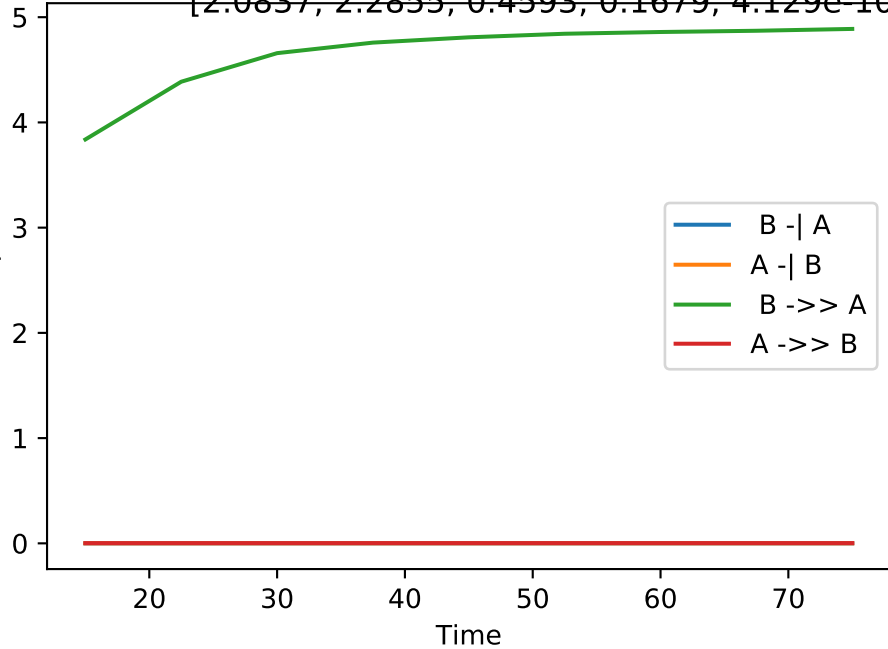
[2.2948, 2.2130, 0.3692, 0.1670, 5.695e-10, 1.947e-08, 0.0958, 0.2114, 0.1083, 0.0000]



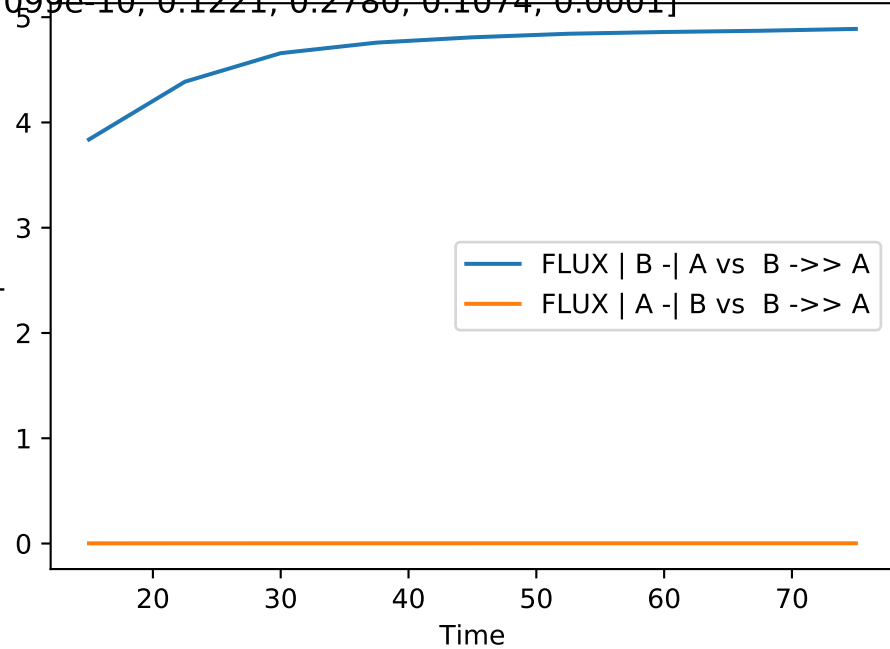
No_up | MB-LLS No_up(#245):

[2.0837, 2.2855, 0.4593, 0.1679, 4.129e-10, 3.099e-10, 0.1221, 0.2780, 0.1074, 0.0001]

Reaction Rate per second

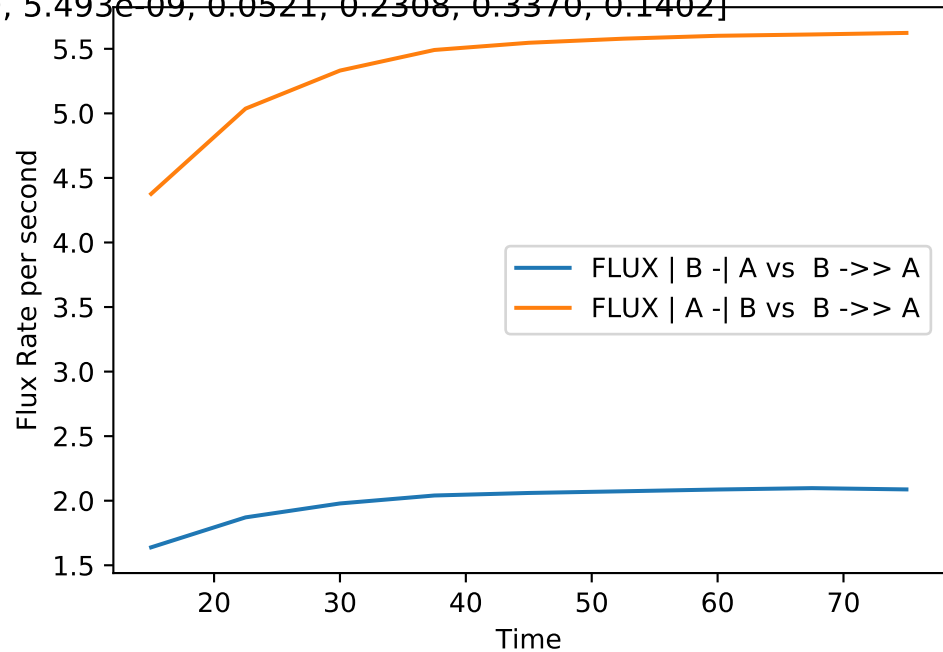
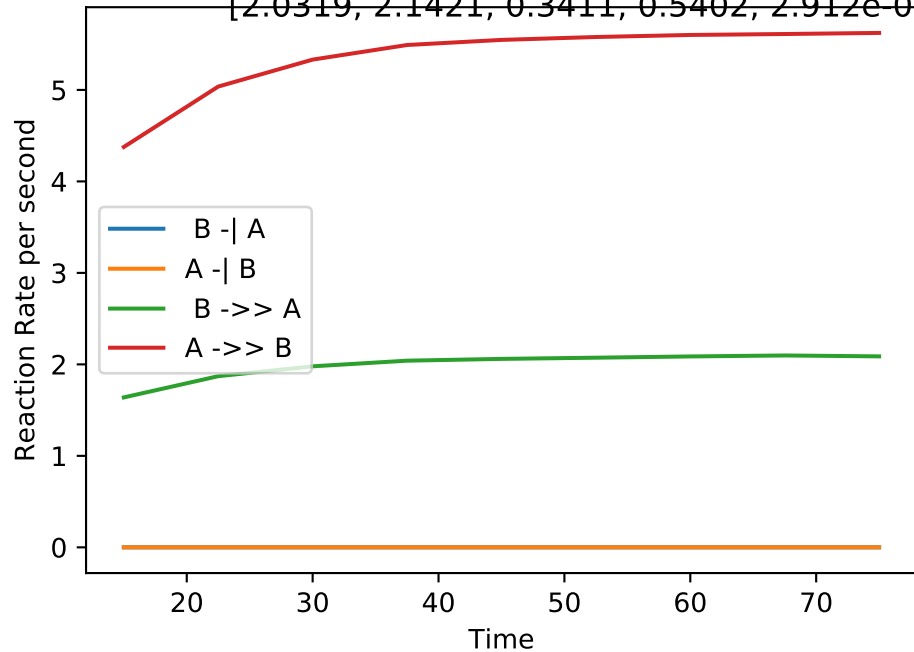


Flux Rate per second



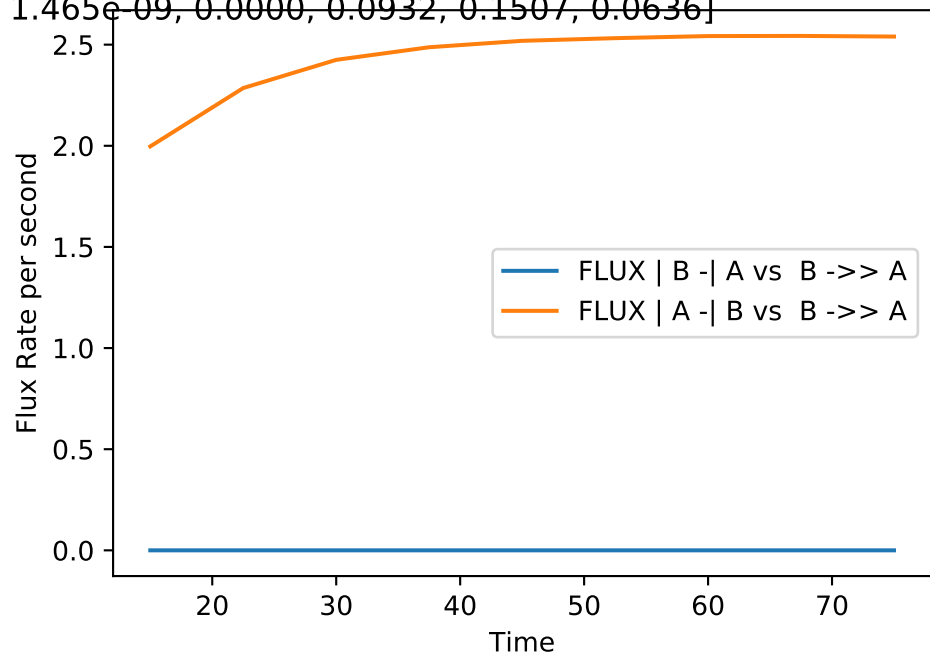
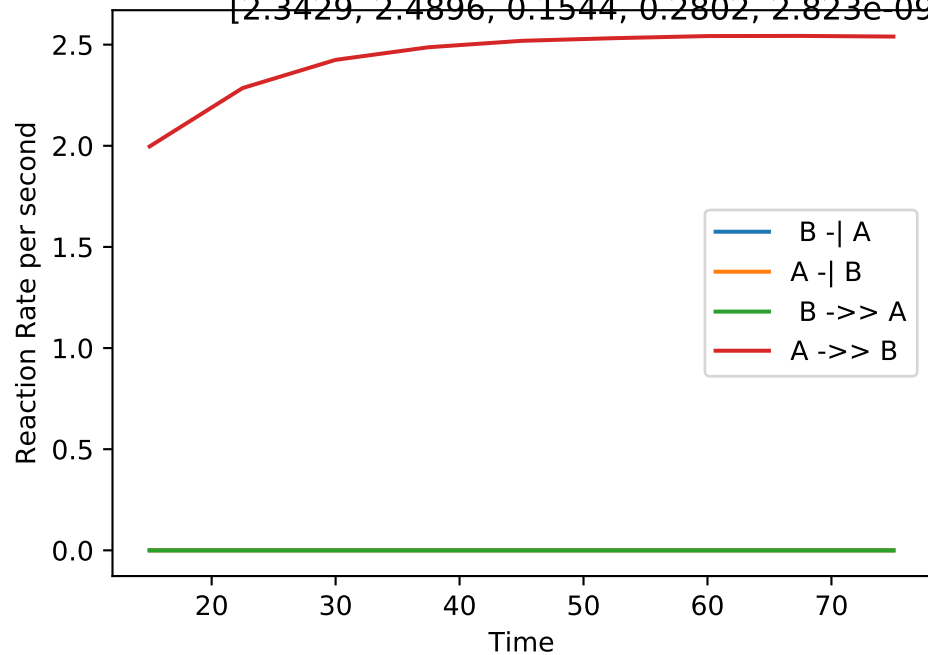
No_up | MB-LLS No_up(#246):

[2.0319, 2.1421, 0.3411, 0.5402, 2.912e-09, 5.493e-09, 0.0521, 0.2308, 0.3370, 0.1402]



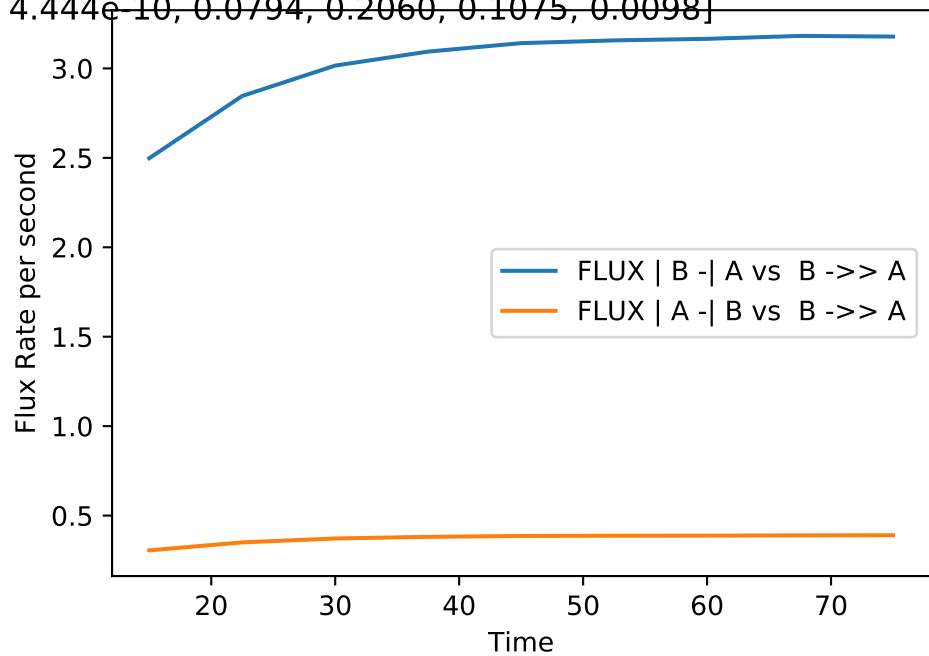
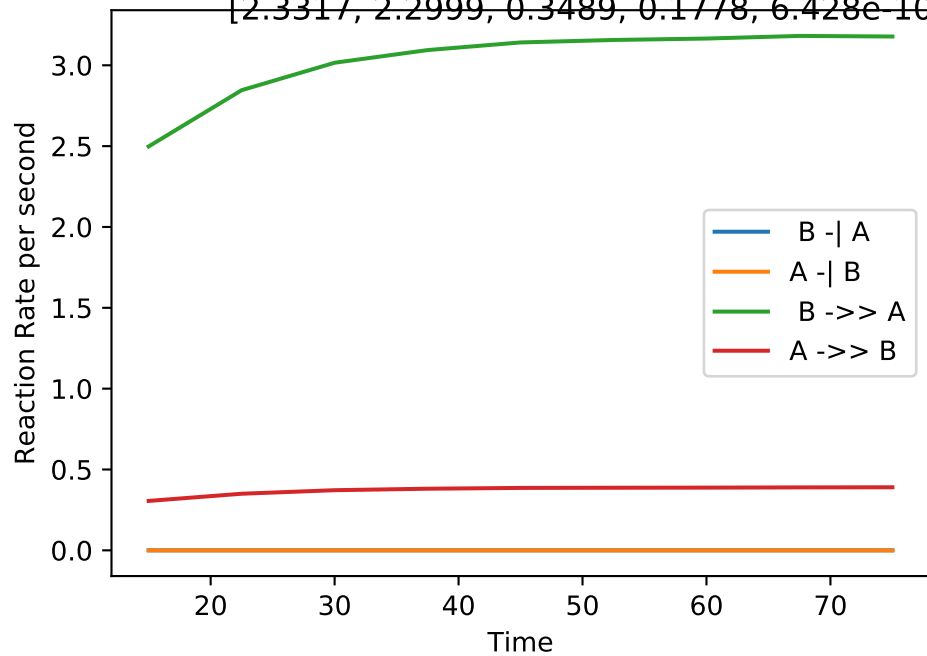
No_up | MB-LLS No_up(#247):

[2.3429, 2.4896, 0.1544, 0.2802, 2.823e-09, 1.465e-09, 0.0000, 0.0932, 0.1507, 0.0636]



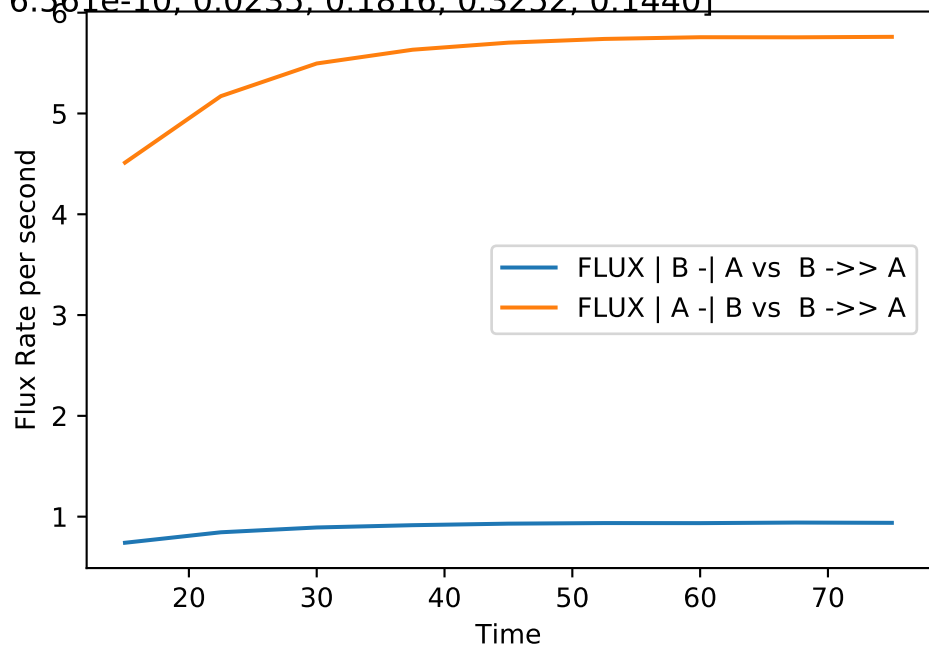
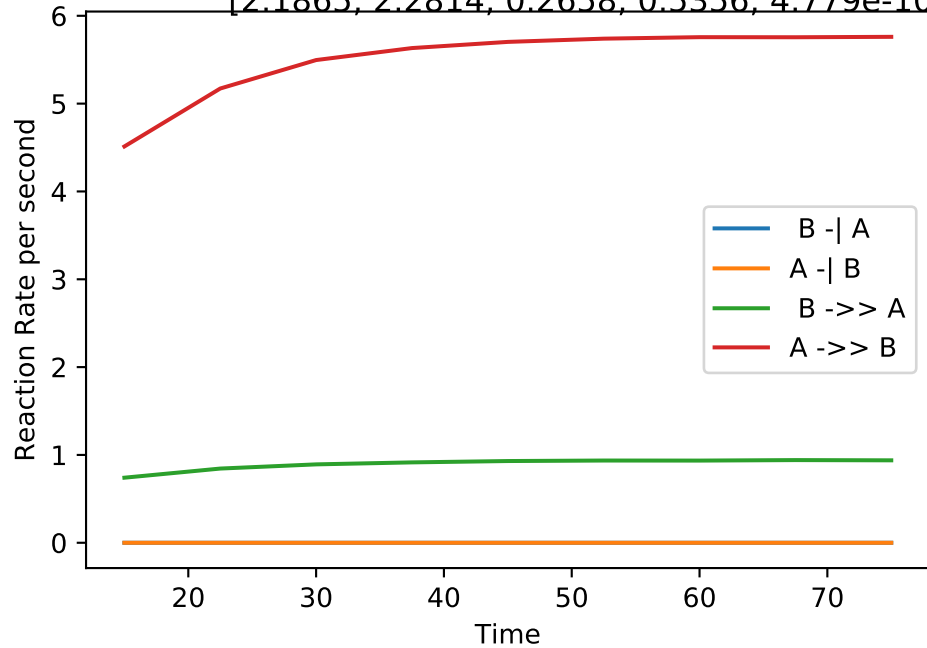
No_up | MB-LLS No_up(#248):

[2.3317, 2.2999, 0.3489, 0.1778, 6.428e-10, 4.444e-10, 0.0794, 0.2060, 0.1075, 0.0098]



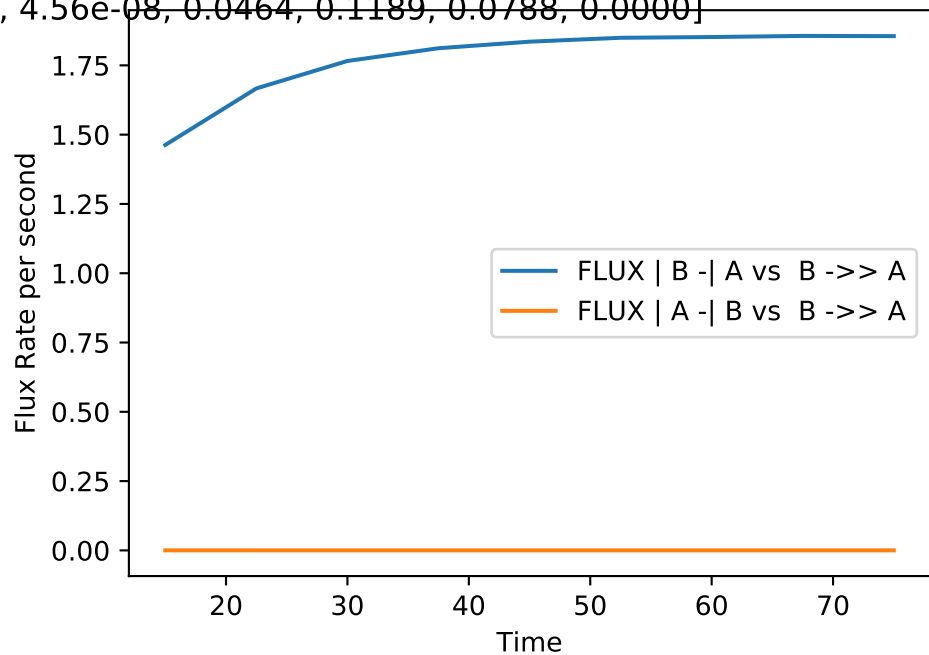
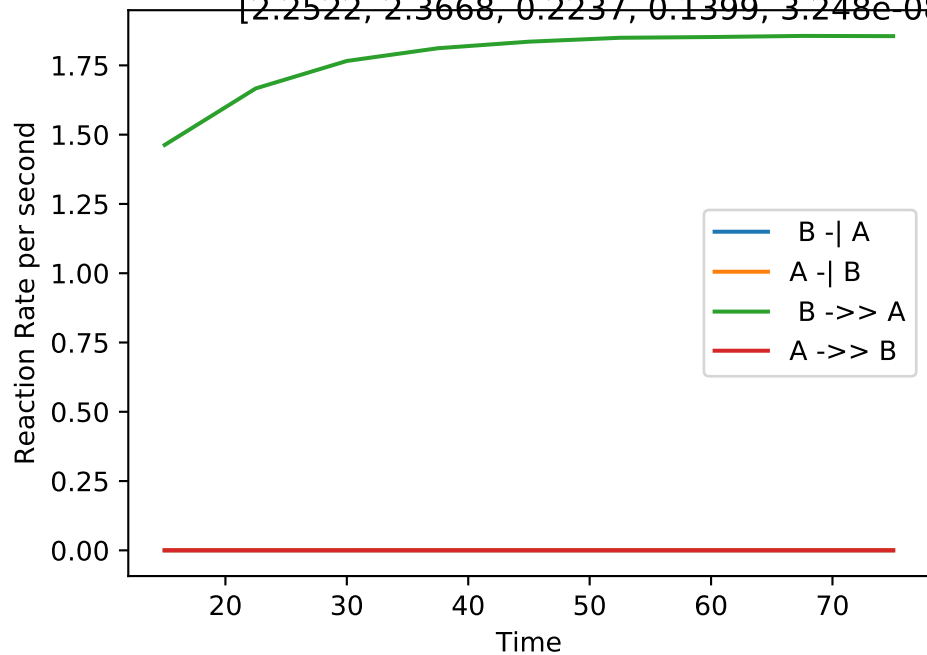
No_up | MB-LLS No_up(#249):

[2.1865, 2.2814, 0.2658, 0.5356, 4.779e-10, 6.561e-10, 0.0235, 0.1816, 0.3252, 0.1440]



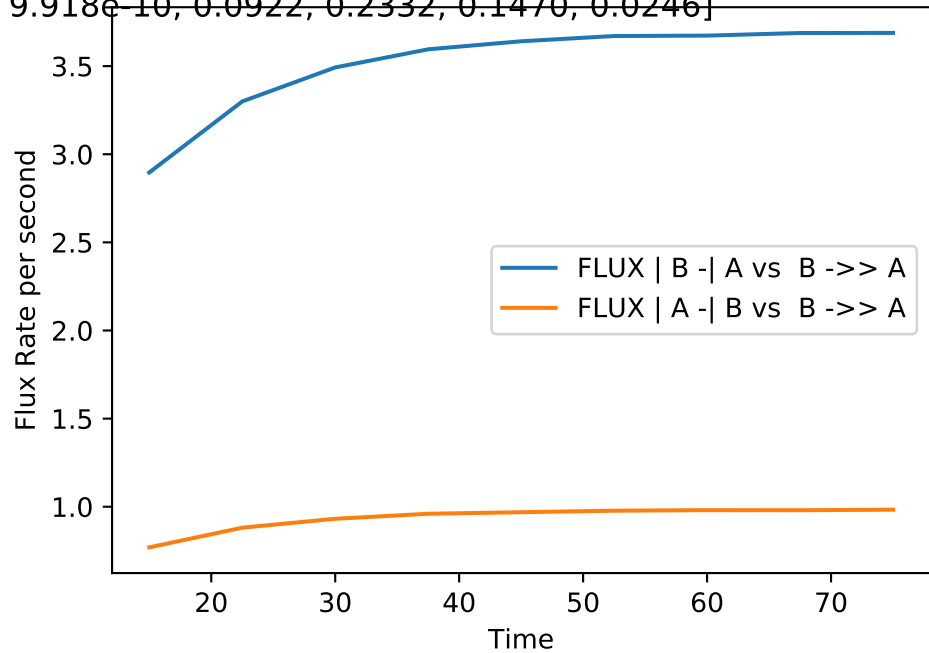
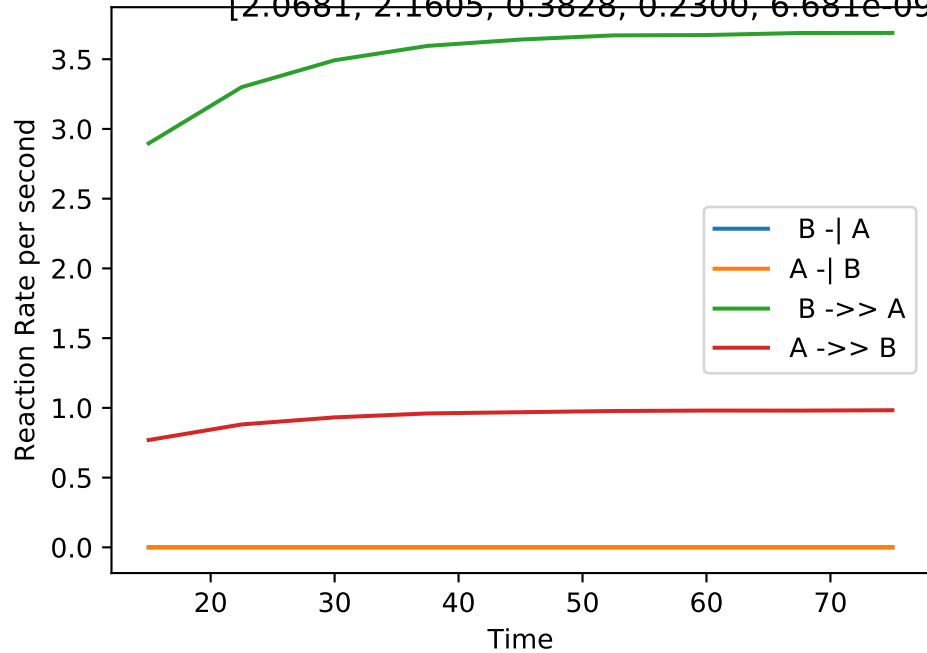
No_up | MB-LLS No_up(#250):

[2.2522, 2.3668, 0.2237, 0.1399, 3.248e-08, 4.56e-08, 0.0464, 0.1189, 0.0788, 0.0000]



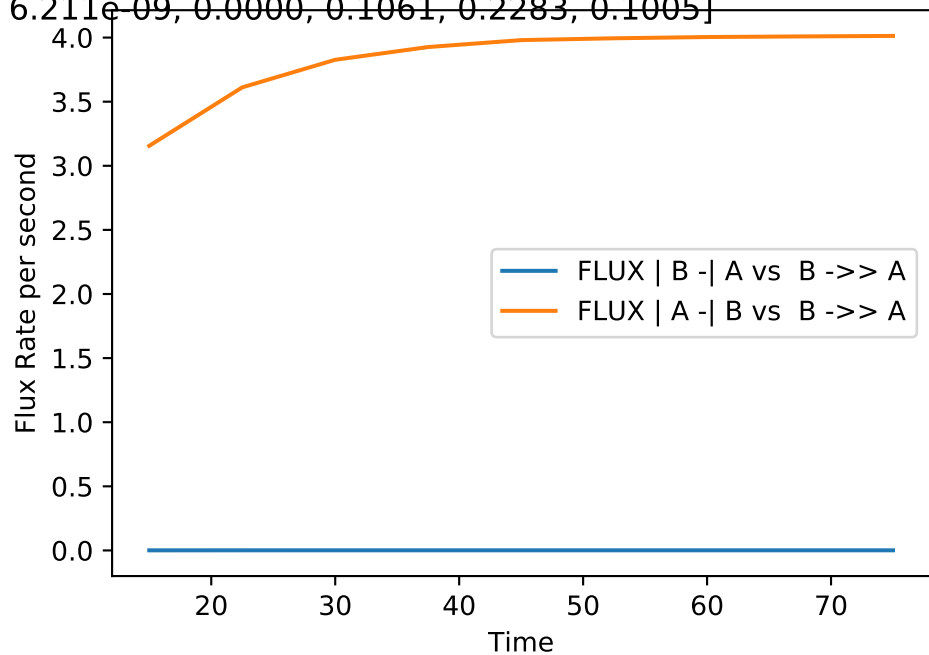
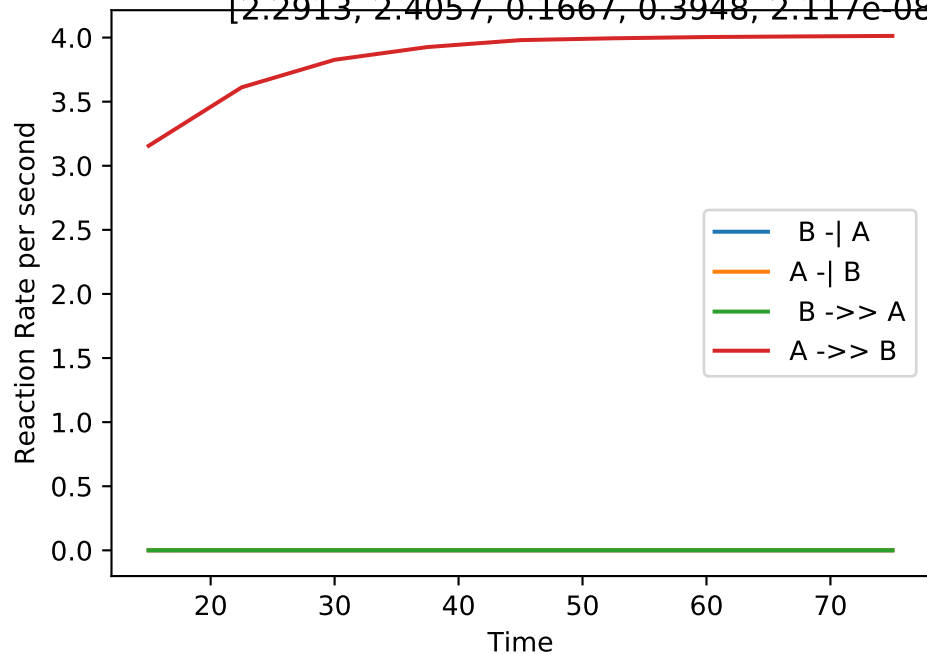
No_up | MB-LLS No_up(#251):

[2.0681, 2.1605, 0.3828, 0.2300, 6.681e-09, 9.918e-10, 0.0922, 0.2332, 0.1470, 0.0246]



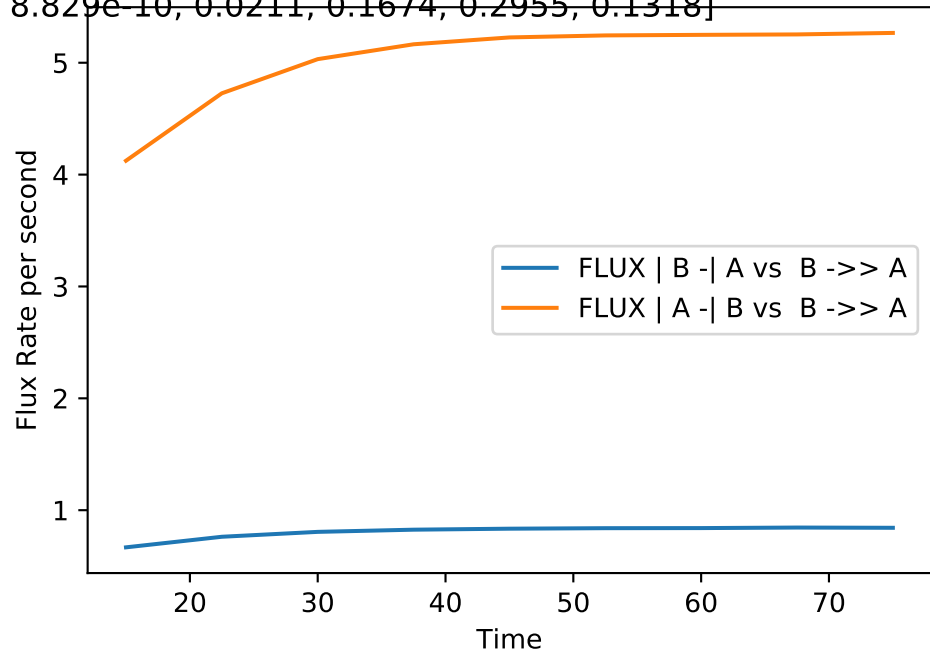
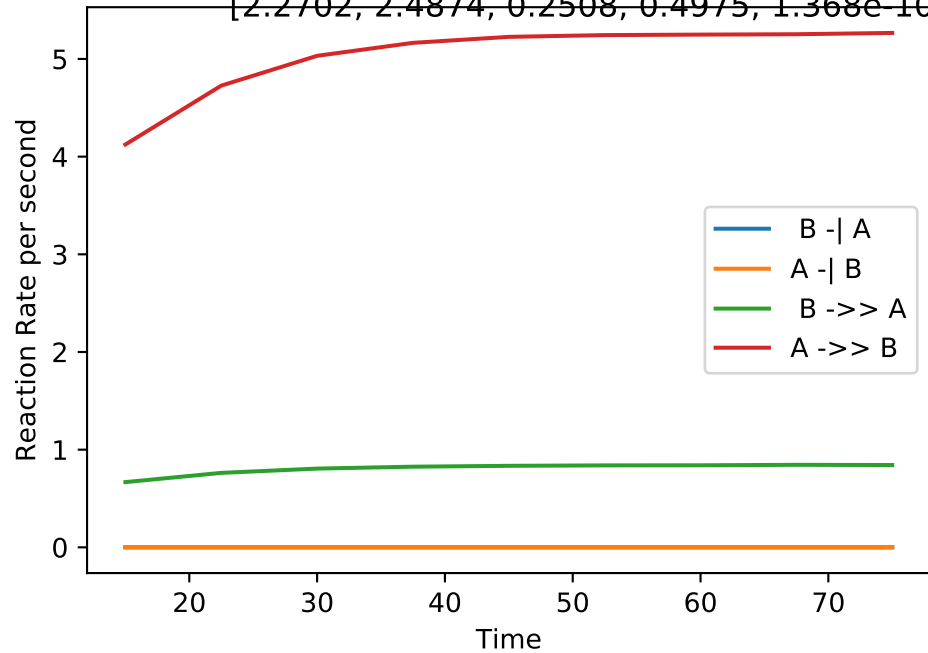
No_up | MB-LLS No_up(#252):

[2.2913, 2.4057, 0.1667, 0.3948, 2.117e-08, 6.211e-09, 0.0000, 0.1061, 0.2283, 0.1005]



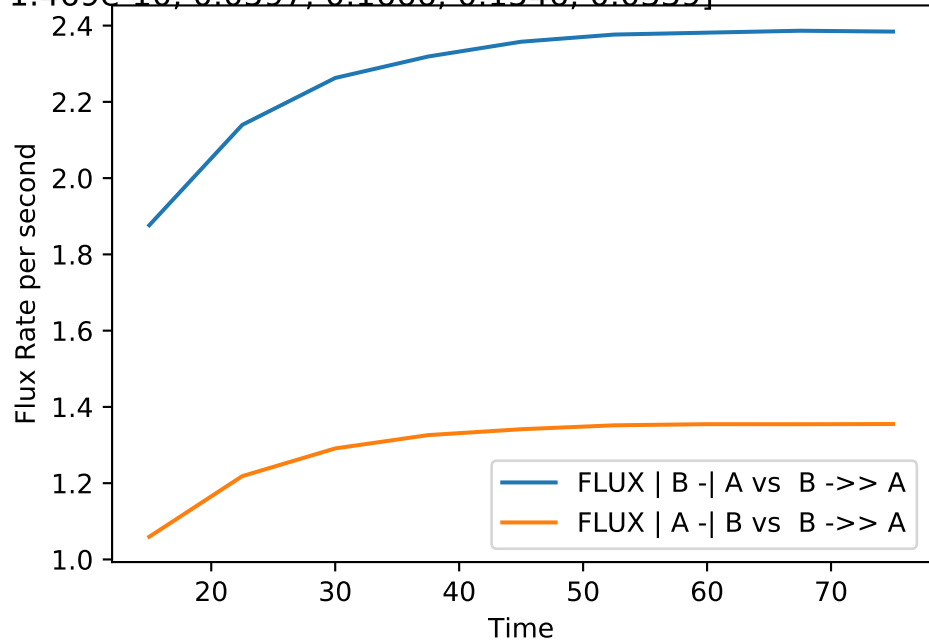
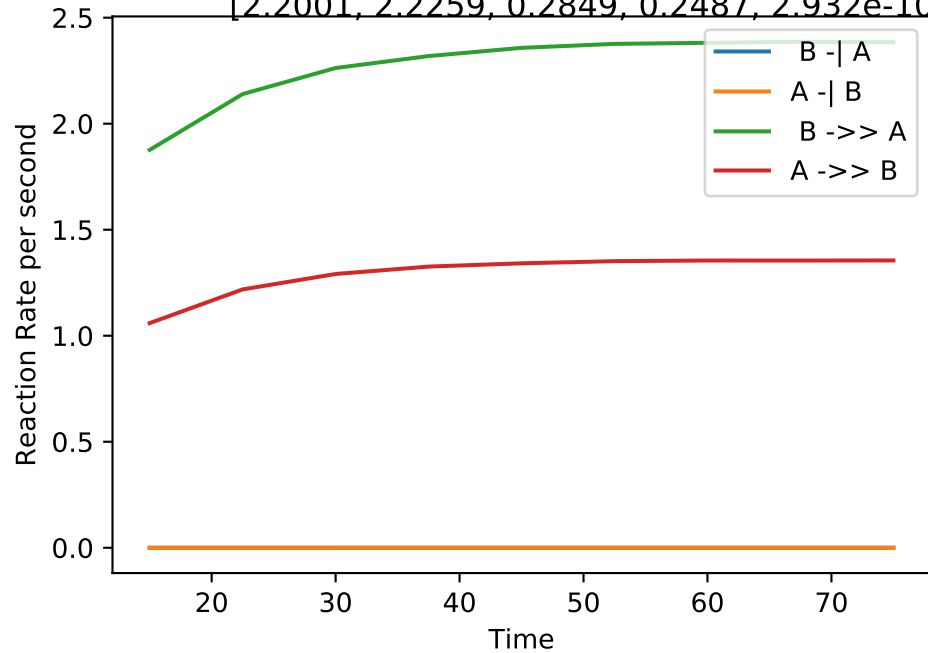
No_up | MB-LLS No_up(#253):

[2.2702, 2.4874, 0.2508, 0.4975, 1.368e-10, 8.829e-10, 0.0211, 0.1674, 0.2955, 0.1318]



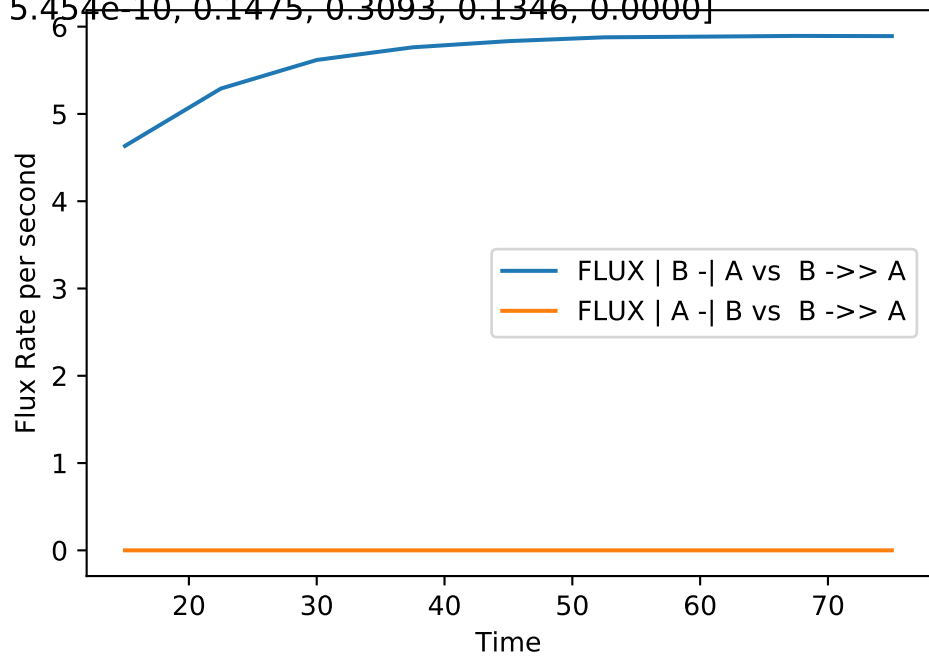
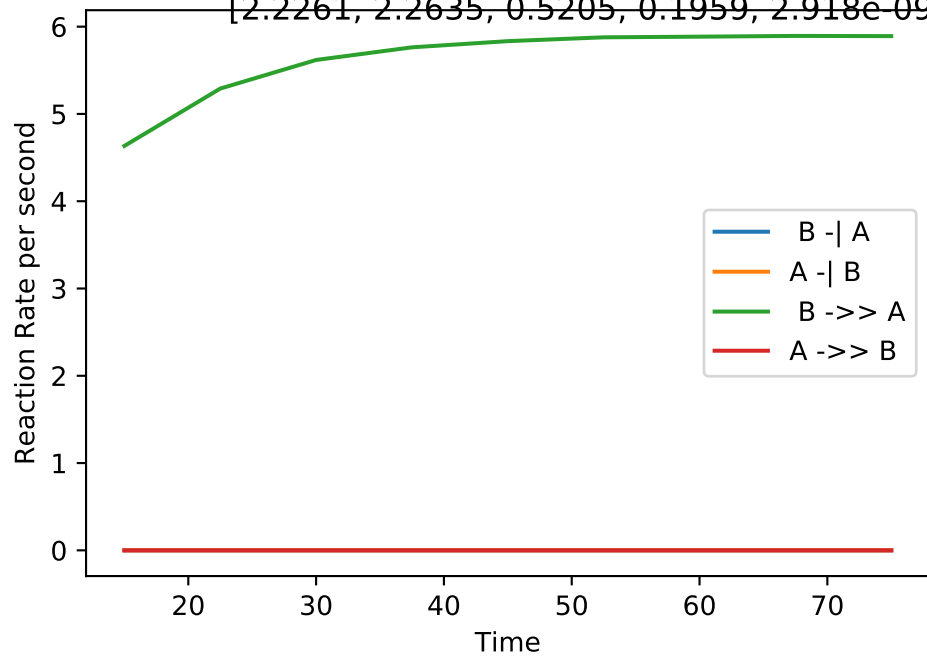
No_up | MB-LLS No_up(#254):

[2.2001, 2.2259, 0.2849, 0.2487, 2.932e-10, 1.469e-10, 0.0597, 0.1666, 0.1546, 0.0339]



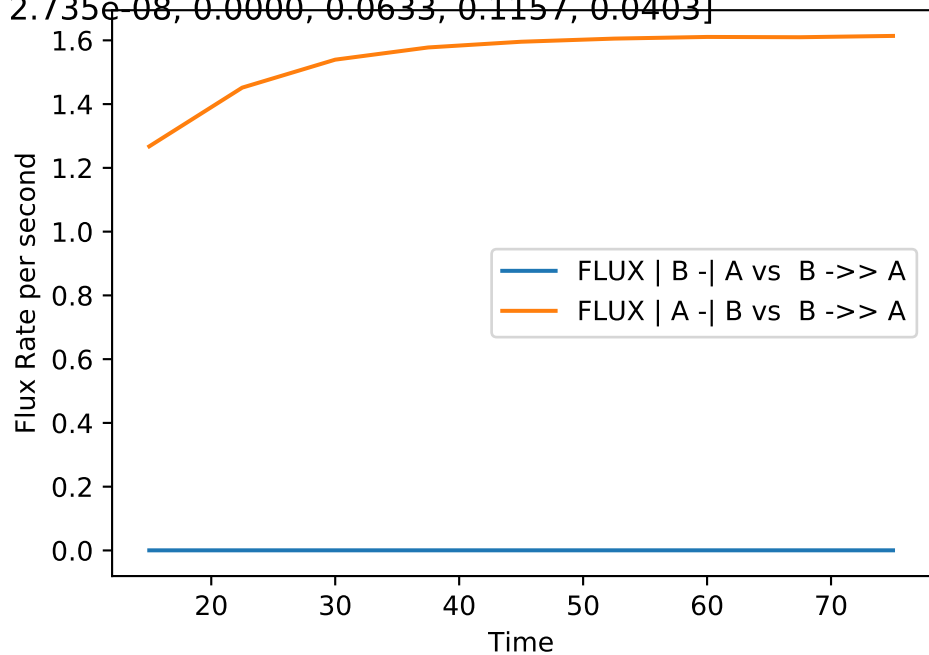
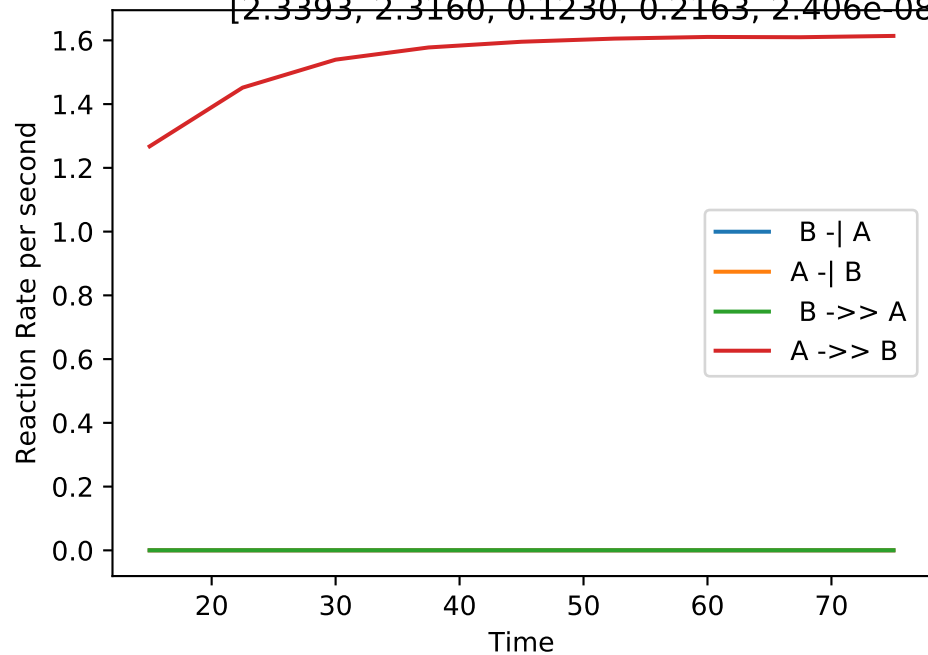
No_up | MB-LLS No_up(#255):

[2.2261, 2.2635, 0.5205, 0.1959, 2.918e-09, 5.454e-10, 0.1475, 0.3093, 0.1346, 0.0000]



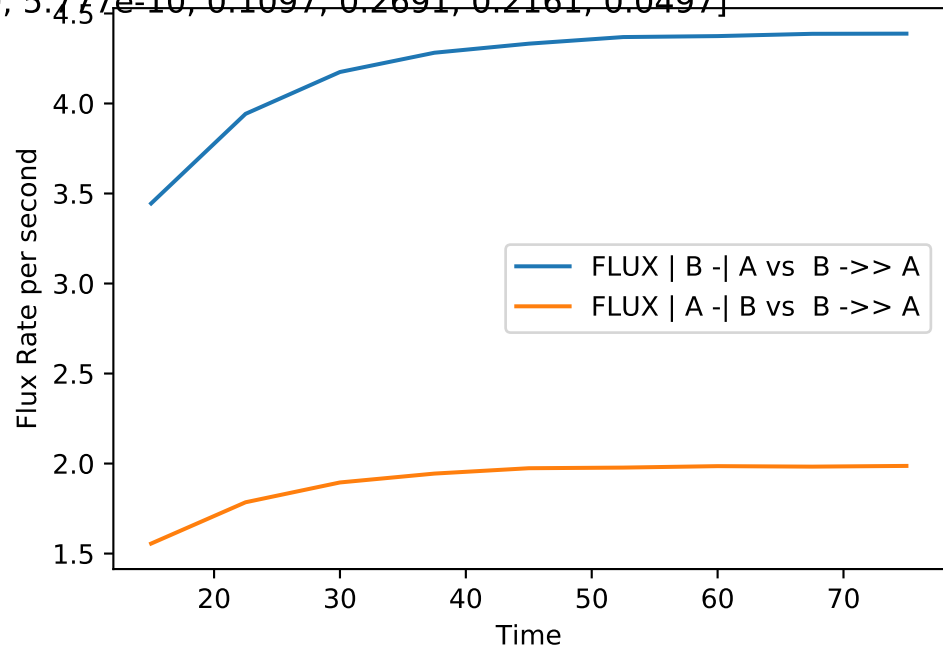
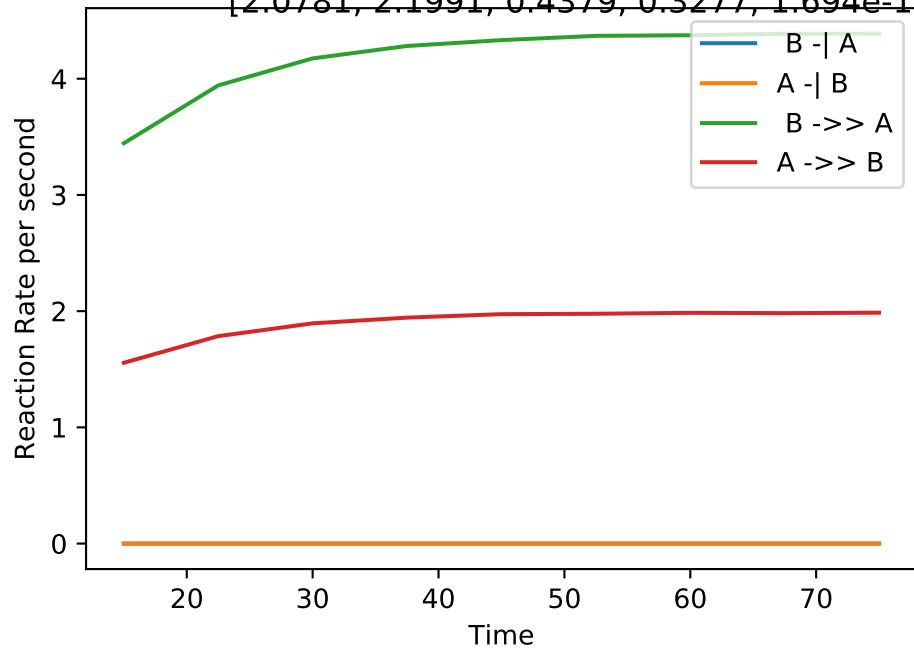
No_up | MB-LLS No_up(#256):

[2.3393, 2.3160, 0.1230, 0.2163, 2.406e-08, 2.735e-08, 0.0000, 0.0633, 0.1157, 0.0403]



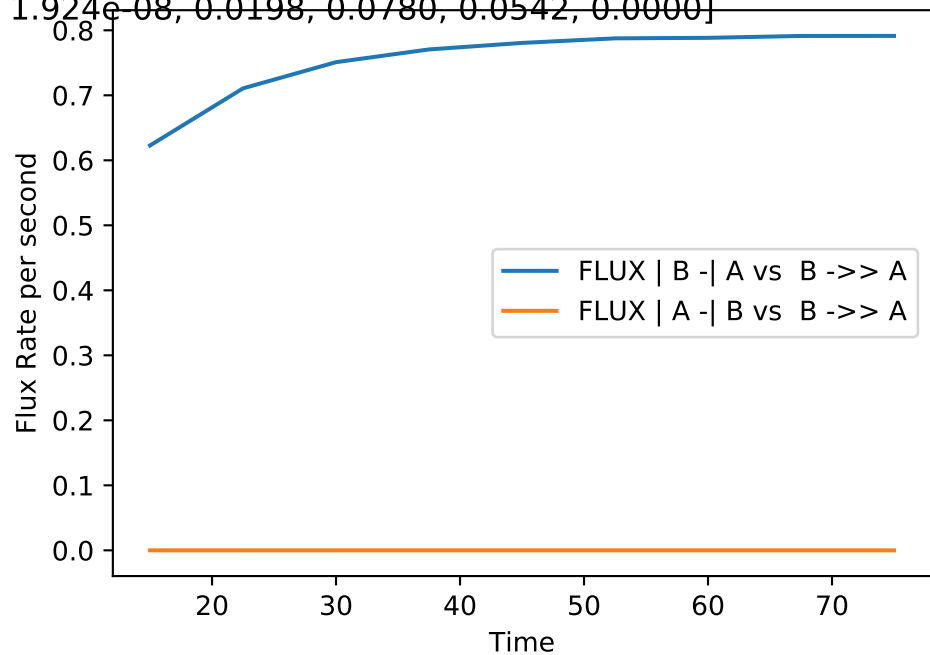
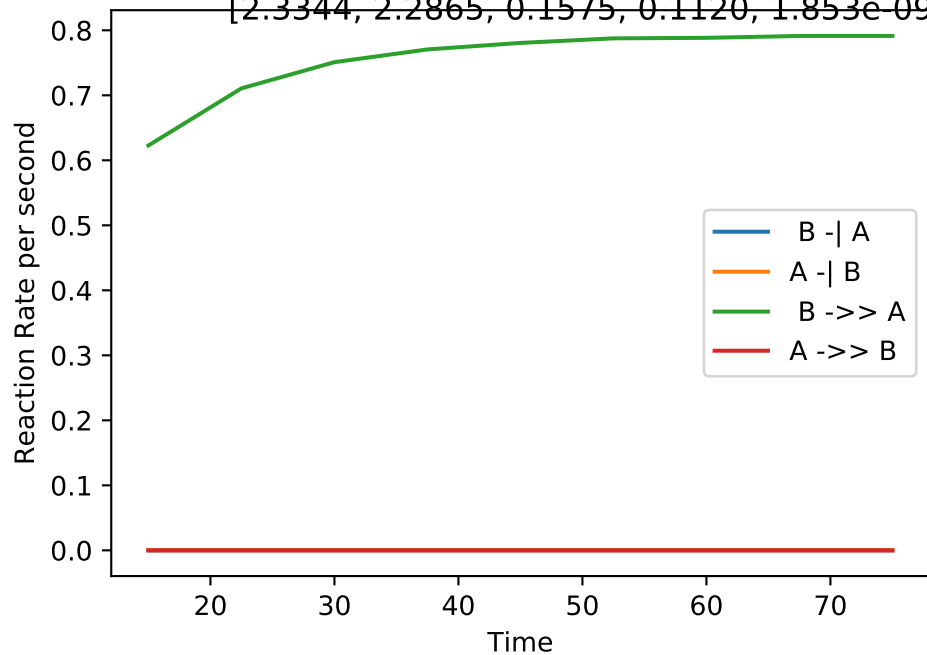
No_up | MB-LLS No_up(#257):

[2.0781, 2.1991, 0.4379, 0.3277, 1.694e-10, 5.777e-10, 0.1097, 0.2691, 0.2161, 0.0497]



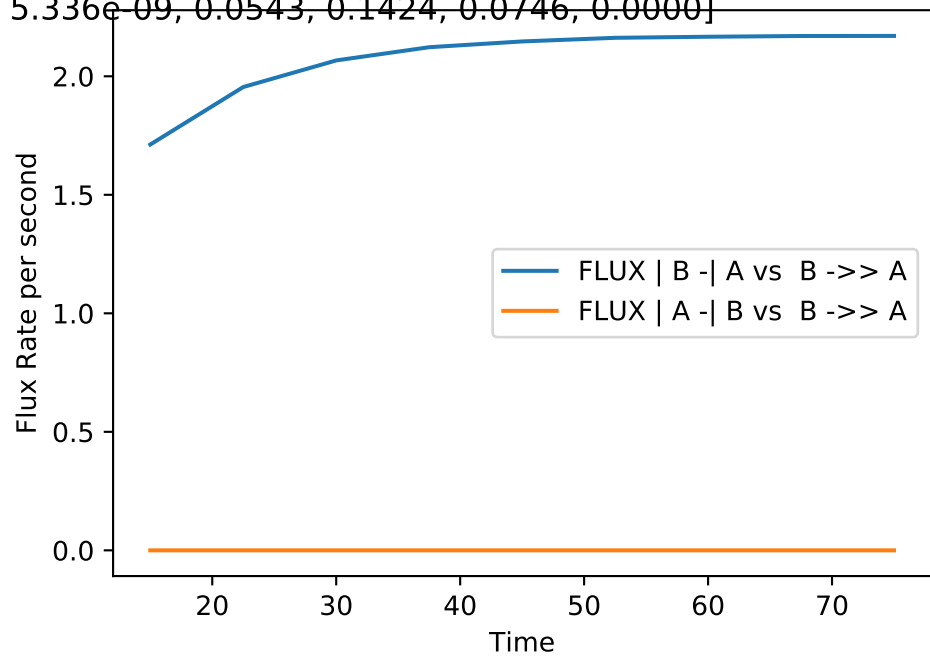
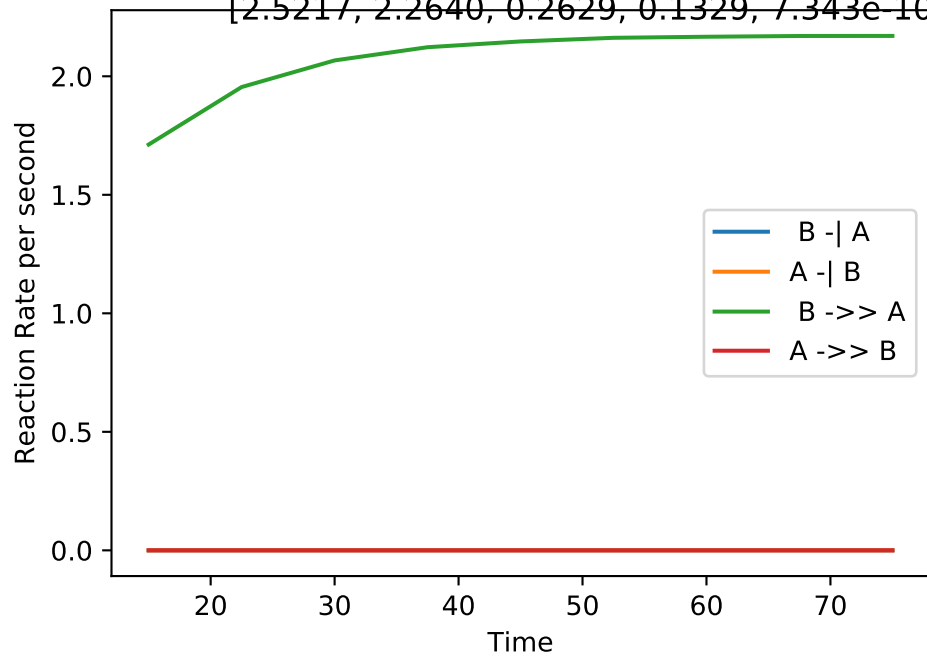
No_up | MB-LLS No_up(#258):

[2.3344, 2.2865, 0.1575, 0.1120, 1.853e-09, 1.924e-08, 0.0198, 0.0780, 0.0542, 0.0000]



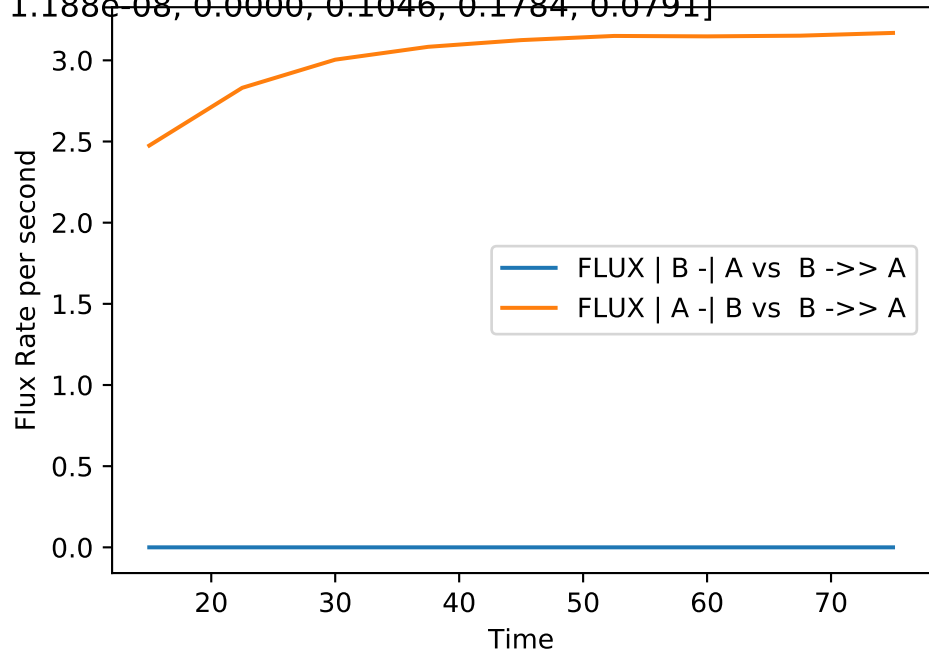
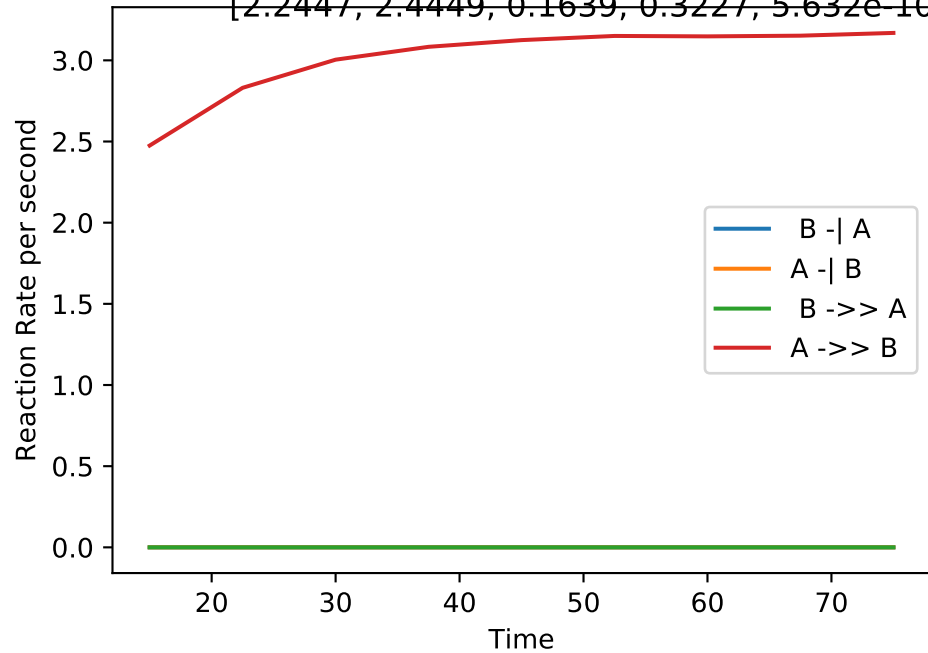
No_up | MB-LLS No_up(#259):

[2.5217, 2.2640, 0.2629, 0.1329, 7.343e-10, 5.336e-09, 0.0543, 0.1424, 0.0746, 0.0000]



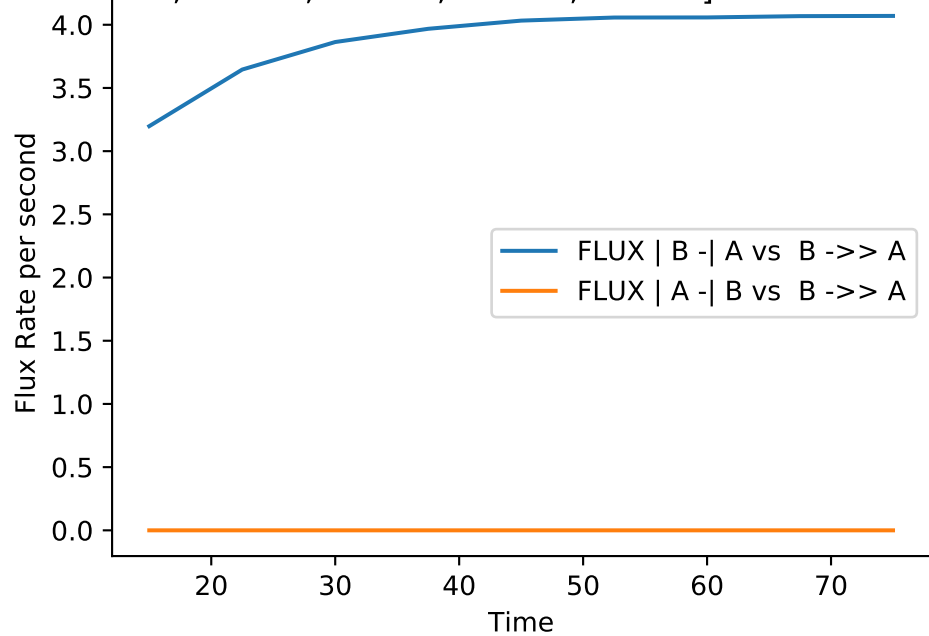
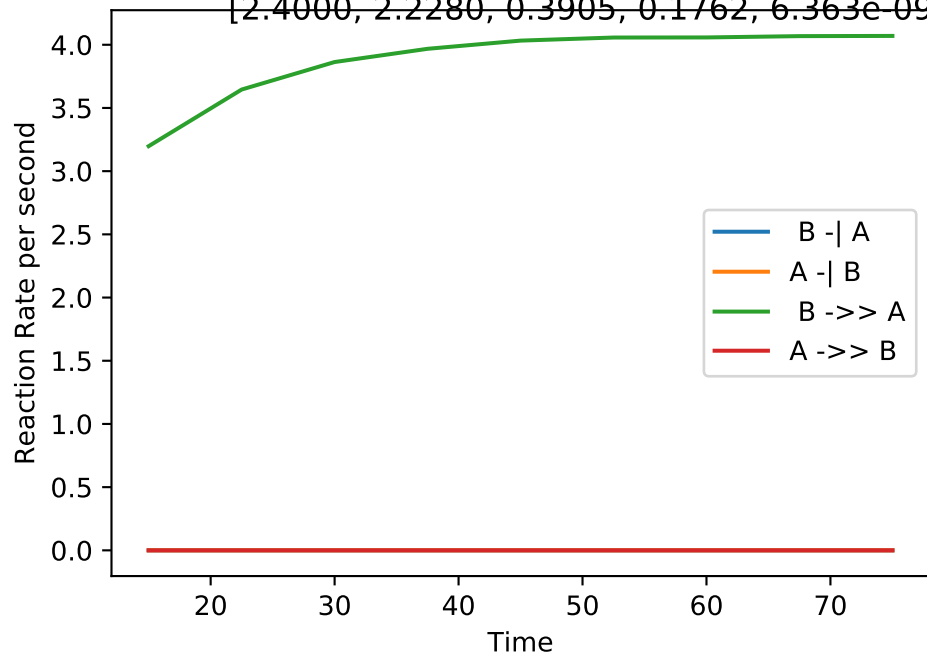
No_up | MB-LLS No_up(#260):

[2.2447, 2.4449, 0.1639, 0.3227, 5.632e-10, 1.188e-08, 0.0000, 0.1046, 0.1784, 0.0791]



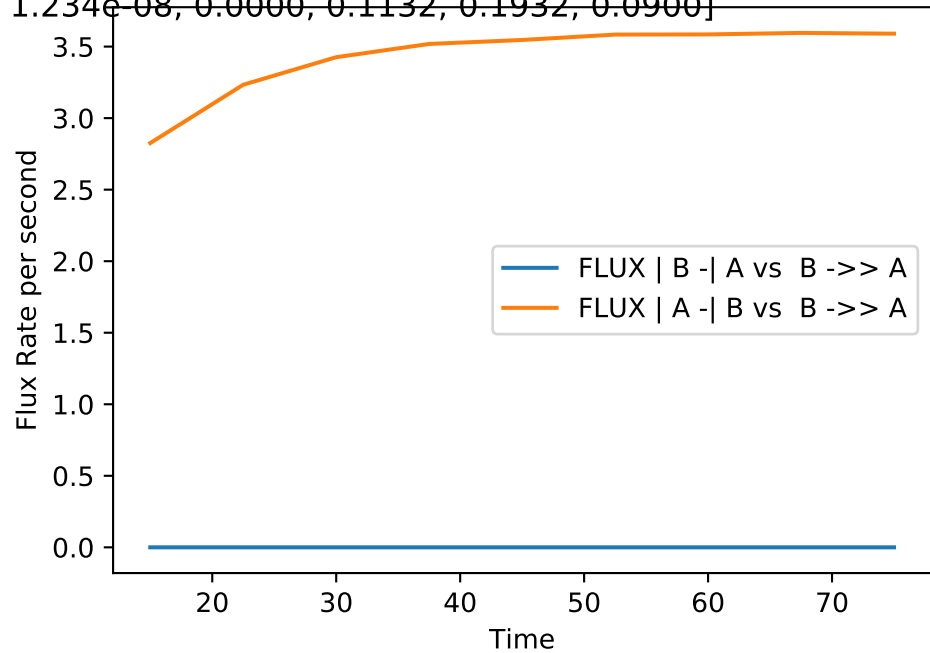
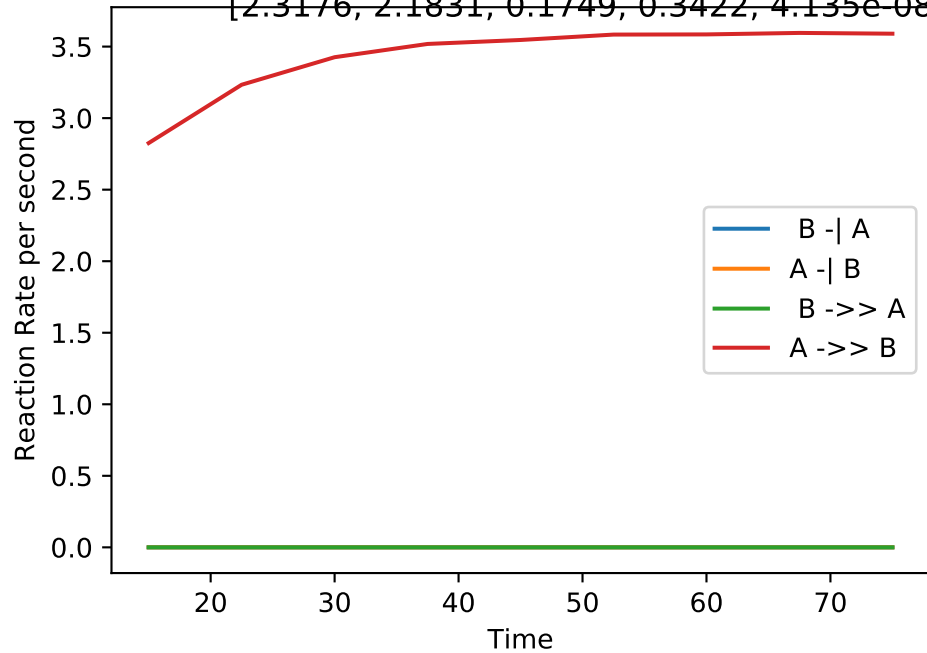
No_up | MB-LLS No_up(#261):

[2.4000, 2.2280, 0.3905, 0.1762, 6.363e-09, 5.662e-08, 0.1018, 0.2232, 0.1168, 0.0000]



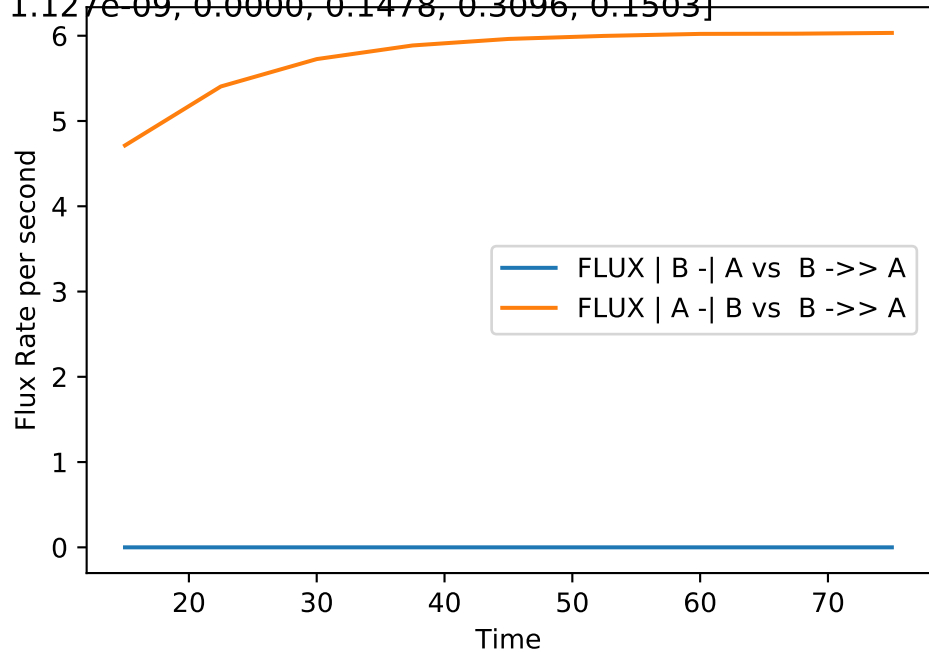
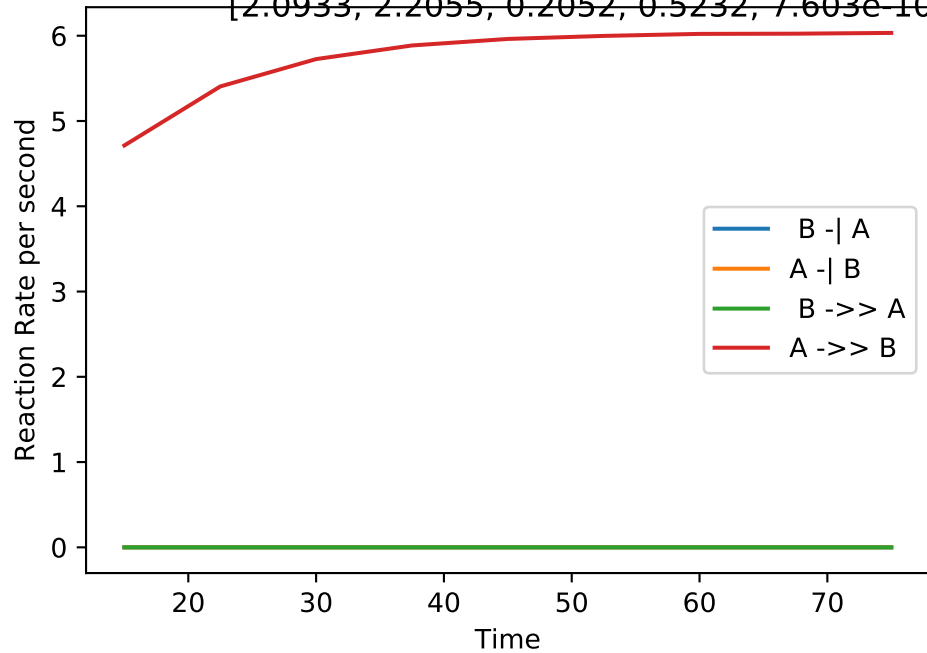
No_up | MB-LLS No_up(#262):

[2.3176, 2.1831, 0.1749, 0.3422, 4.135e-08, 1.234e-08, 0.0000, 0.1132, 0.1932, 0.0900]



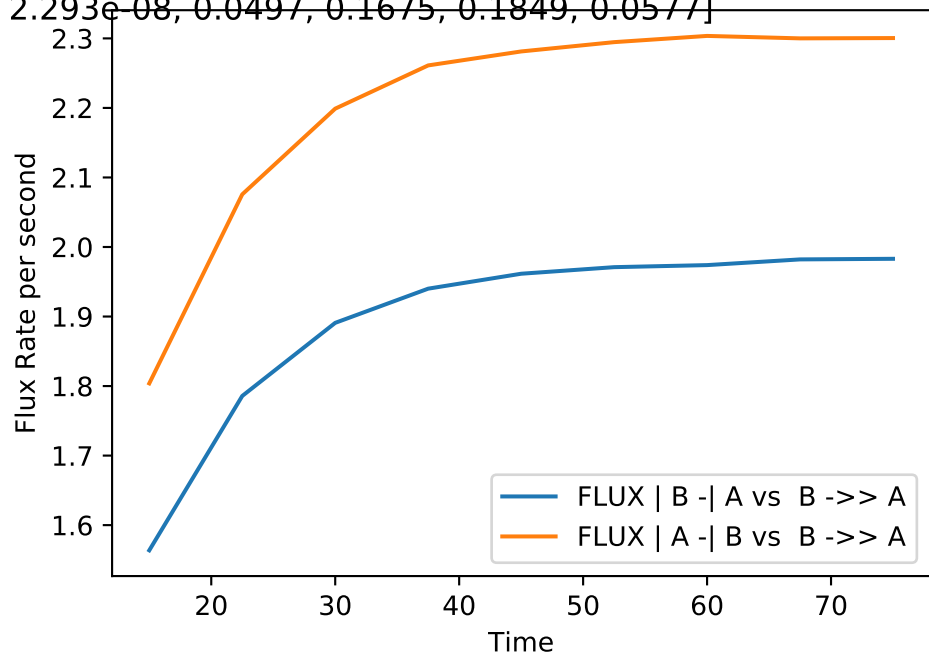
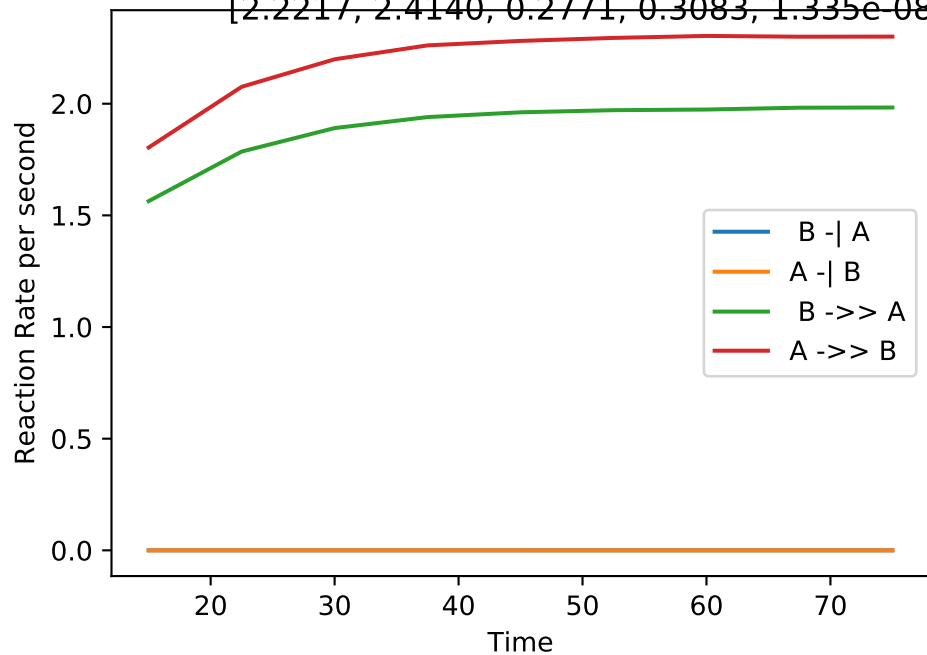
No_up | MB-LLS No_up(#263):

[2.0933, 2.2055, 0.2052, 0.5232, 7.603e-10, 1.127e-09, 0.0000, 0.1478, 0.3096, 0.1503]



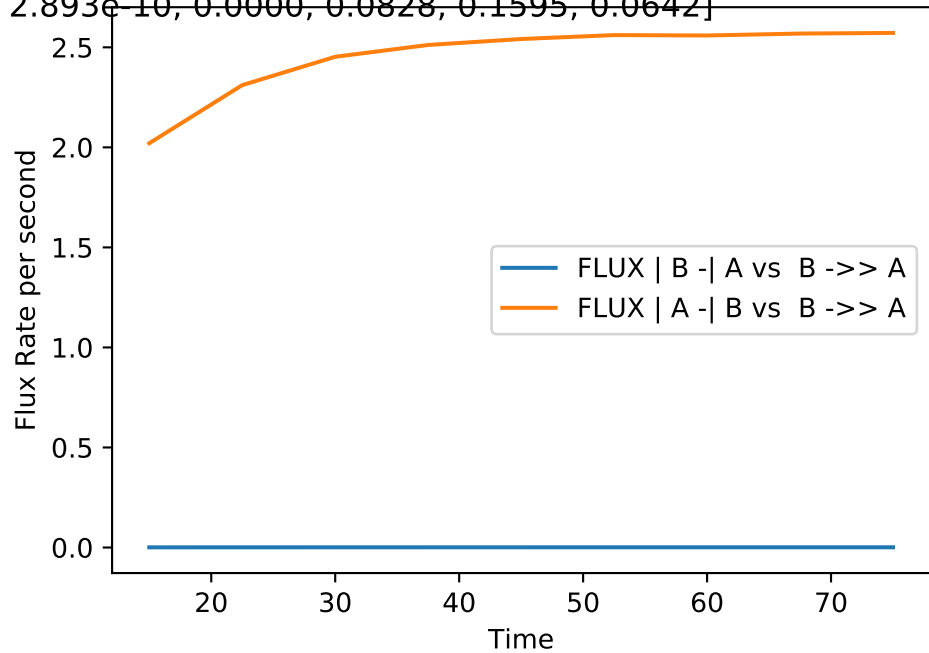
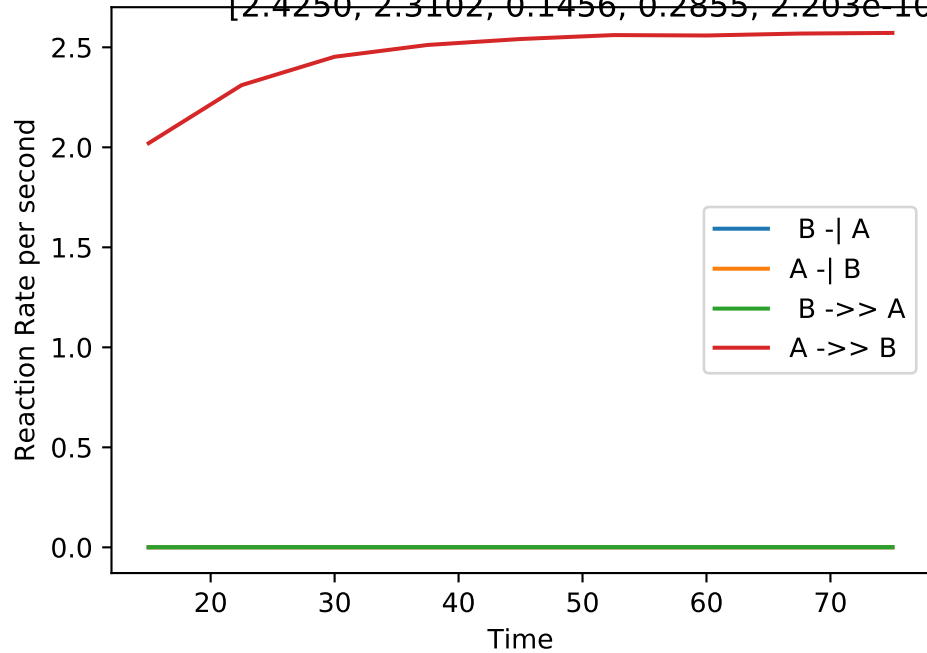
No_up | MB-LLS No_up(#264):

[2.2217, 2.4140, 0.2771, 0.3083, 1.335e-08, 2.293e-08, 0.0497, 0.1675, 0.1849, 0.0577]



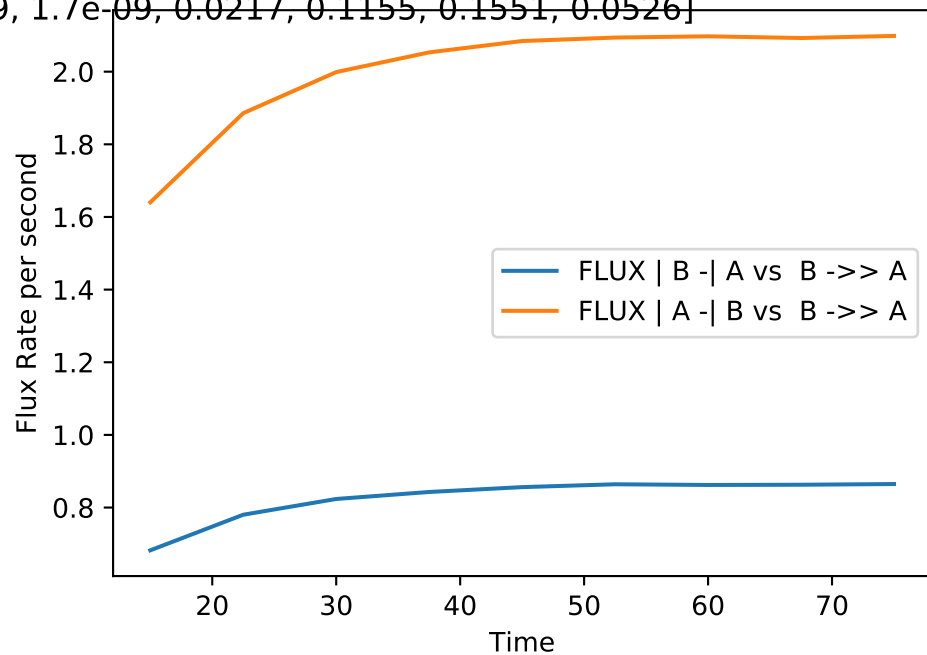
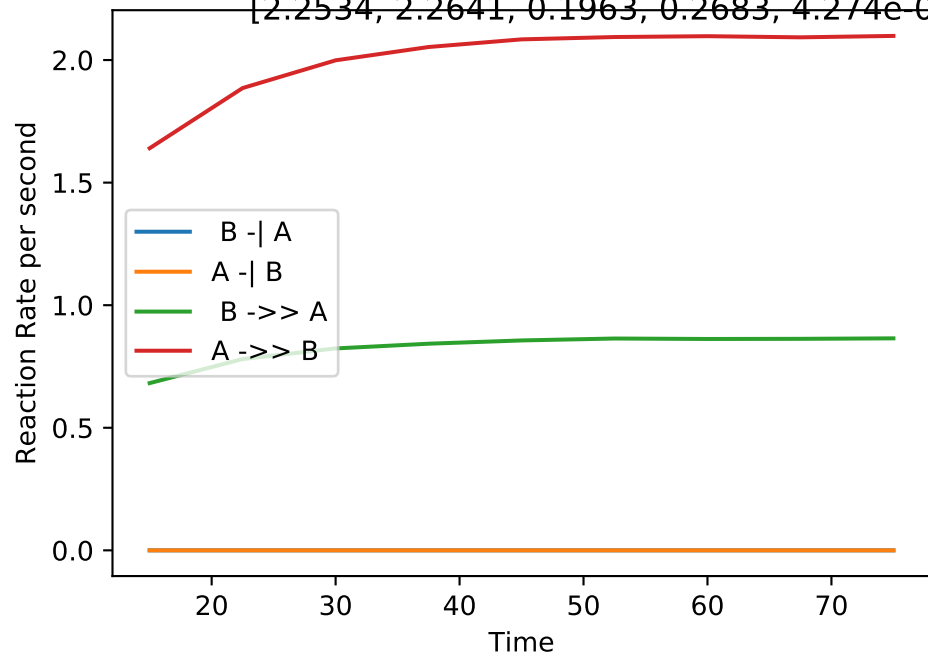
No_up | MB-LLS No_up(#265):

[2.4250, 2.3102, 0.1456, 0.2855, 2.203e-10, 2.893e-10, 0.0000, 0.0828, 0.1595, 0.0642]



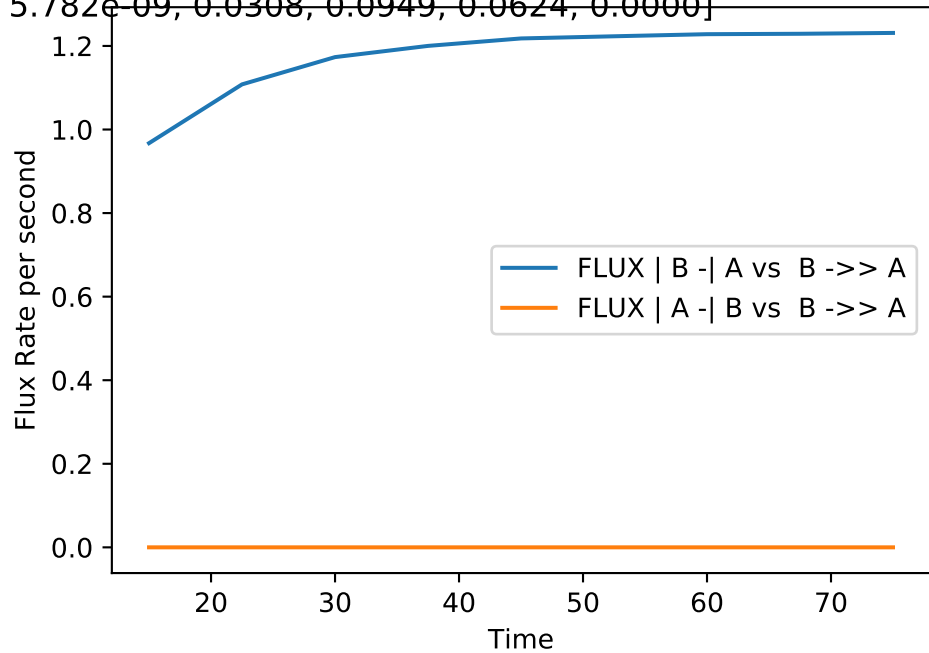
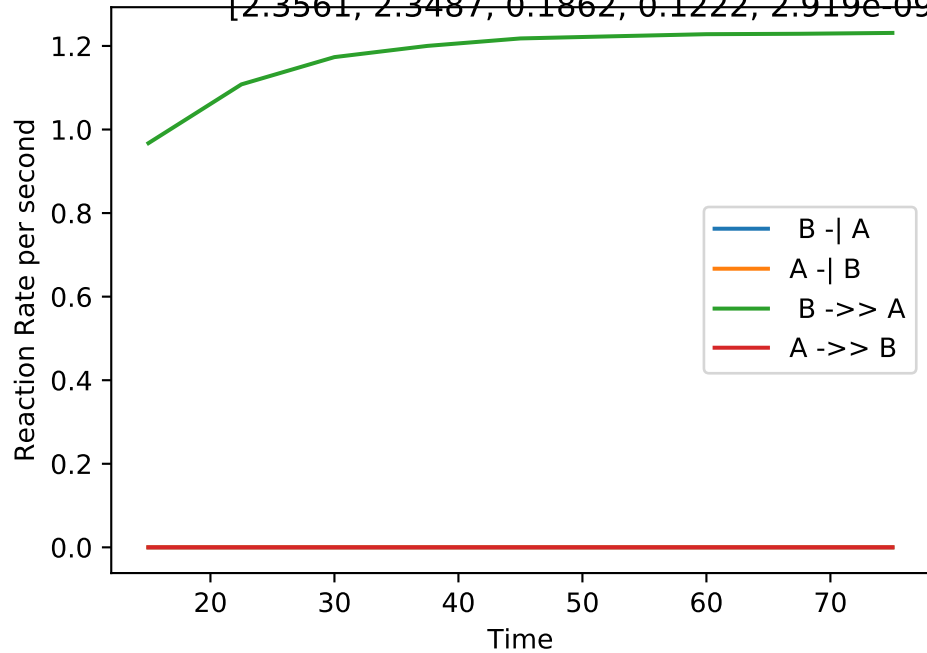
No_up | MB-LLS No_up(#266):

[2.2534, 2.2641, 0.1963, 0.2683, 4.274e-09, 1.7e-09, 0.0217, 0.1155, 0.1551, 0.0526]



No_up | MB-LLS No_up(#267):

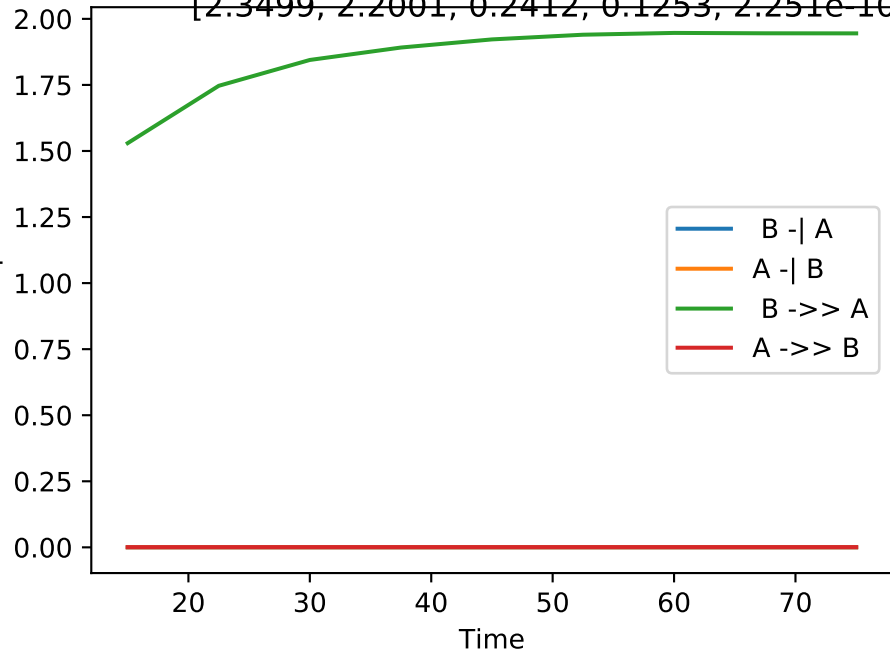
[2.3561, 2.3487, 0.1862, 0.1222, 2.919e-09, 5.782e-09, 0.0308, 0.0949, 0.0624, 0.0000]



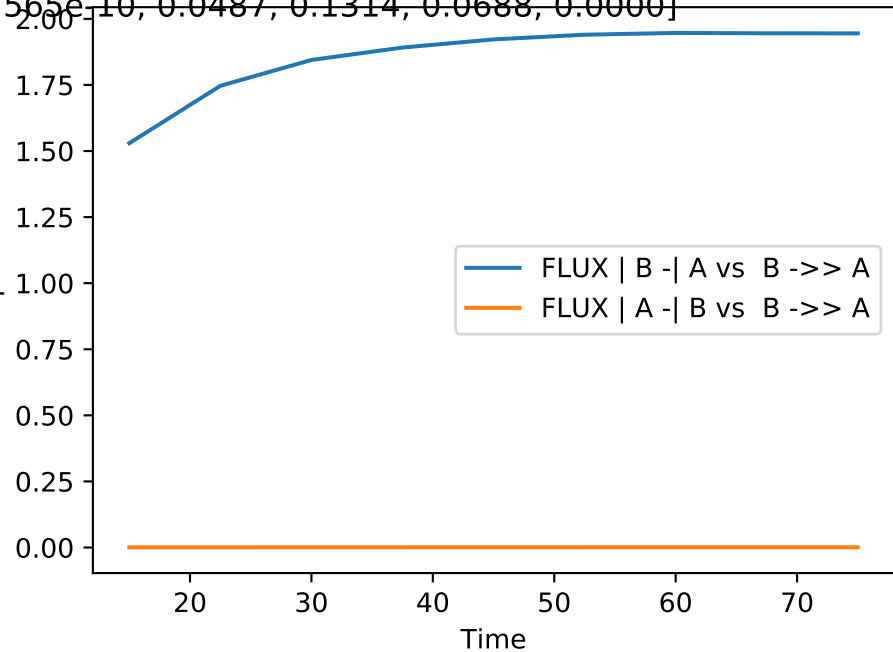
No_up | MB-LLS No_up(#268):

[2.3499, 2.2001, 0.2412, 0.1253, 2.251e-10, 1.565e-10, 0.0487, 0.1314, 0.0688, 0.0000]

Reaction Rate per second

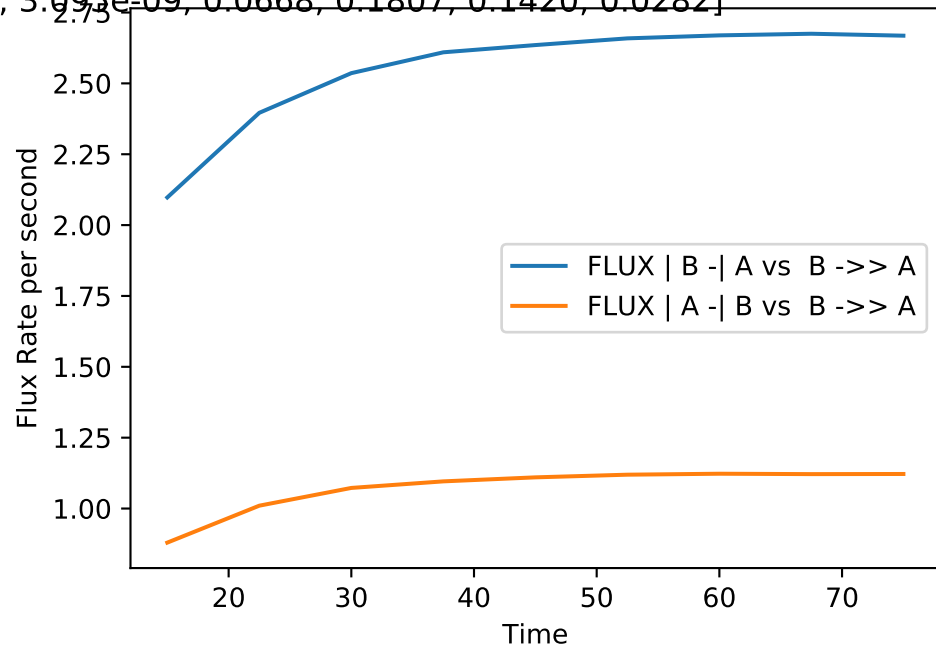
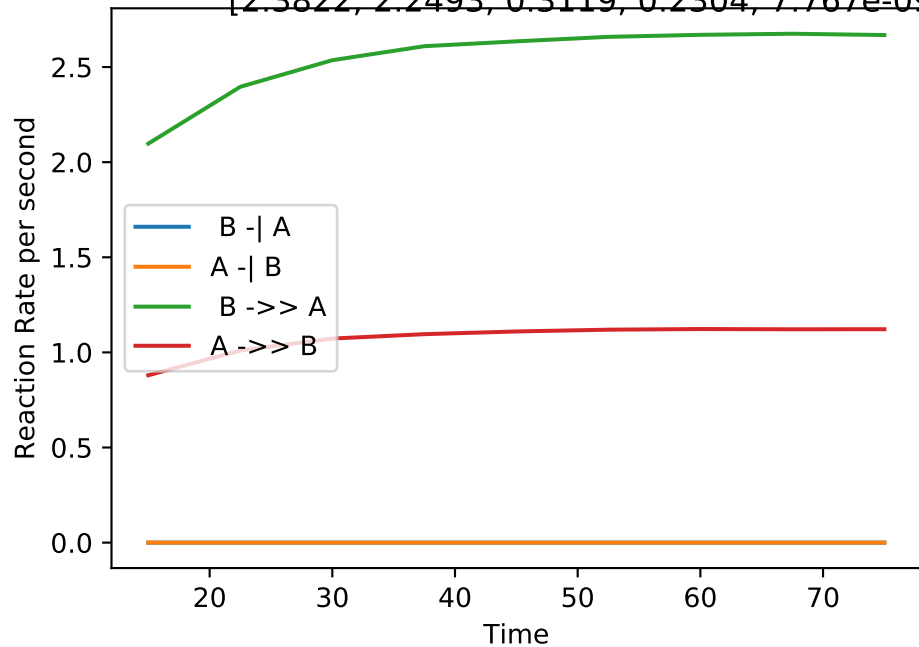


Flux Rate per second



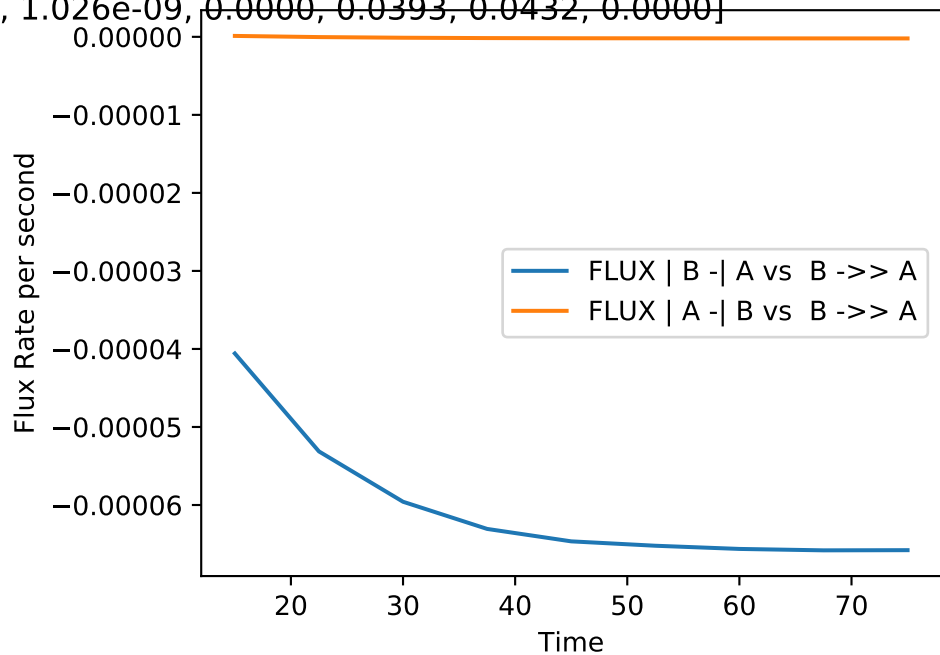
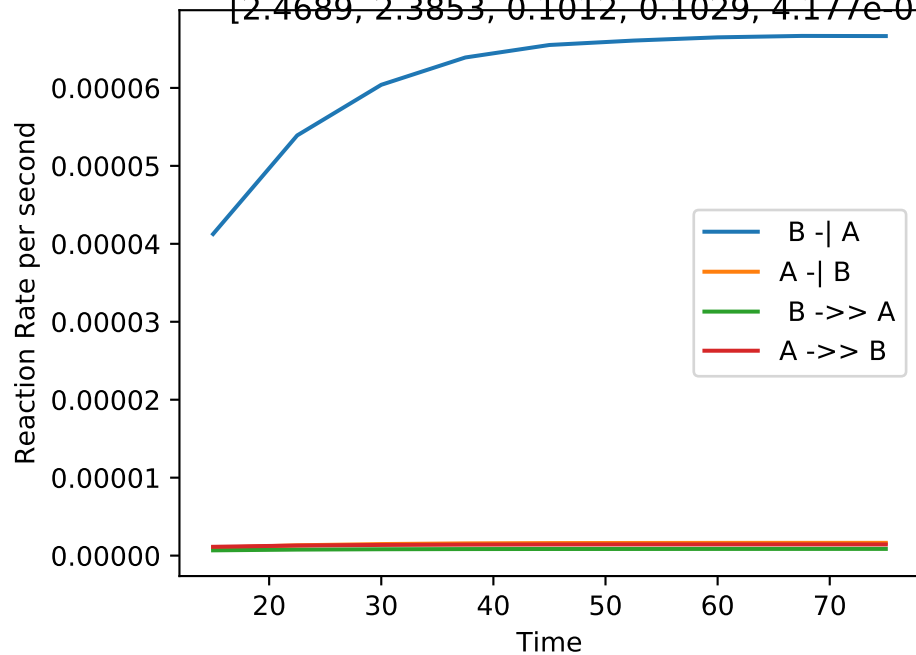
No_up | MB-LLS No_up(#269):

[2.3822, 2.2493, 0.3119, 0.2304, 7.767e-09, 3.095e-09, 0.0668, 0.1807, 0.1420, 0.0282]



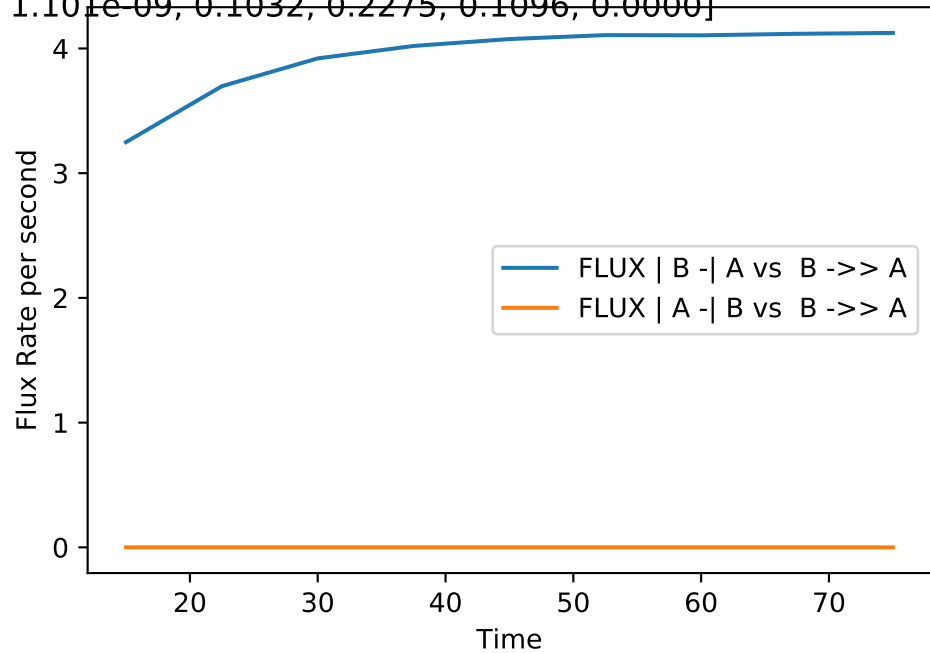
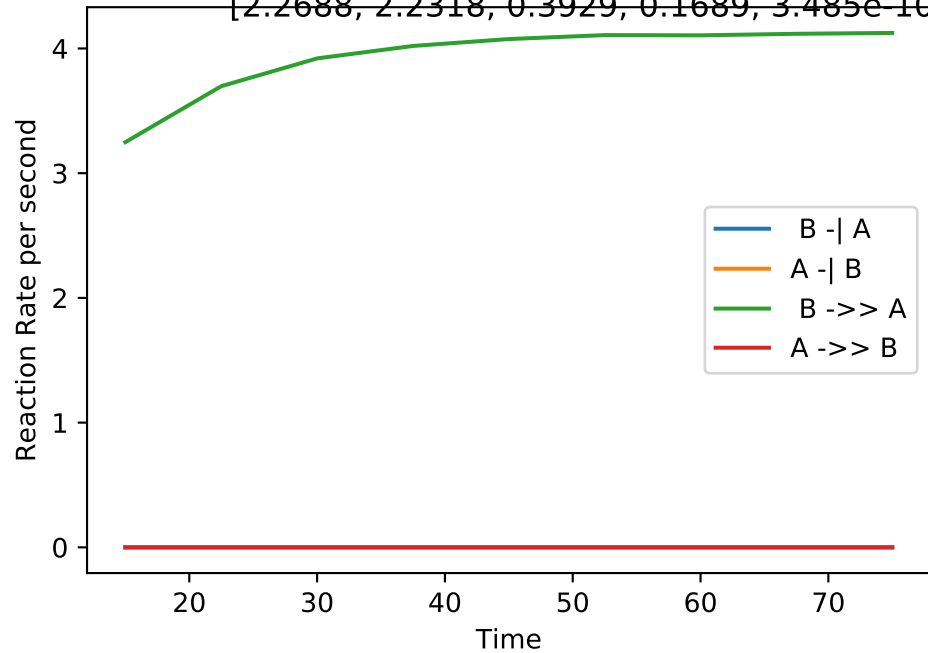
No_up | MB-LLS No_up(#270):

[2.4689, 2.3853, 0.1012, 0.1029, 4.177e-08, 1.026e-09, 0.0000, 0.0393, 0.0432, 0.0000]



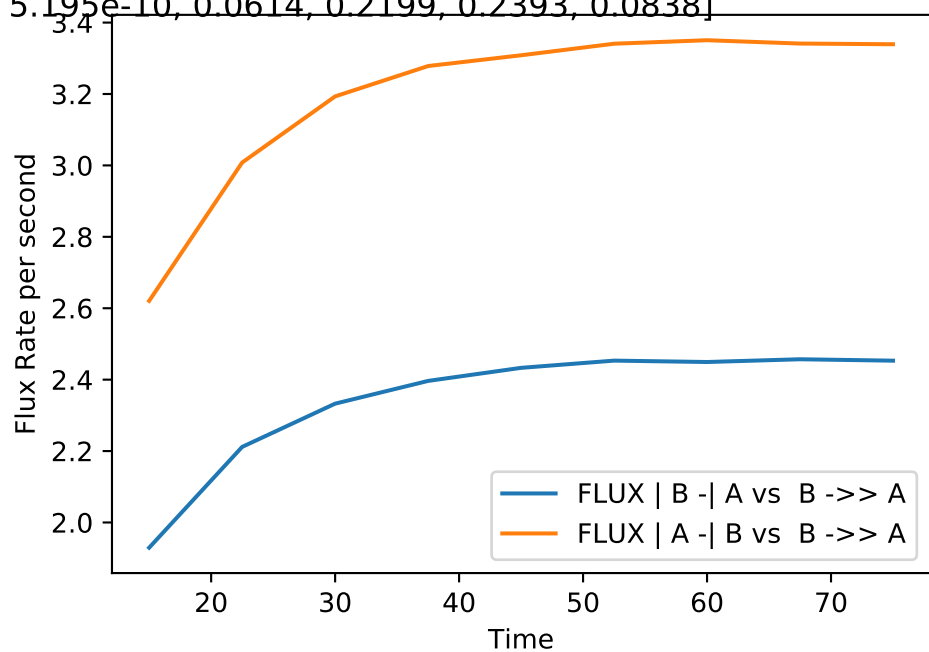
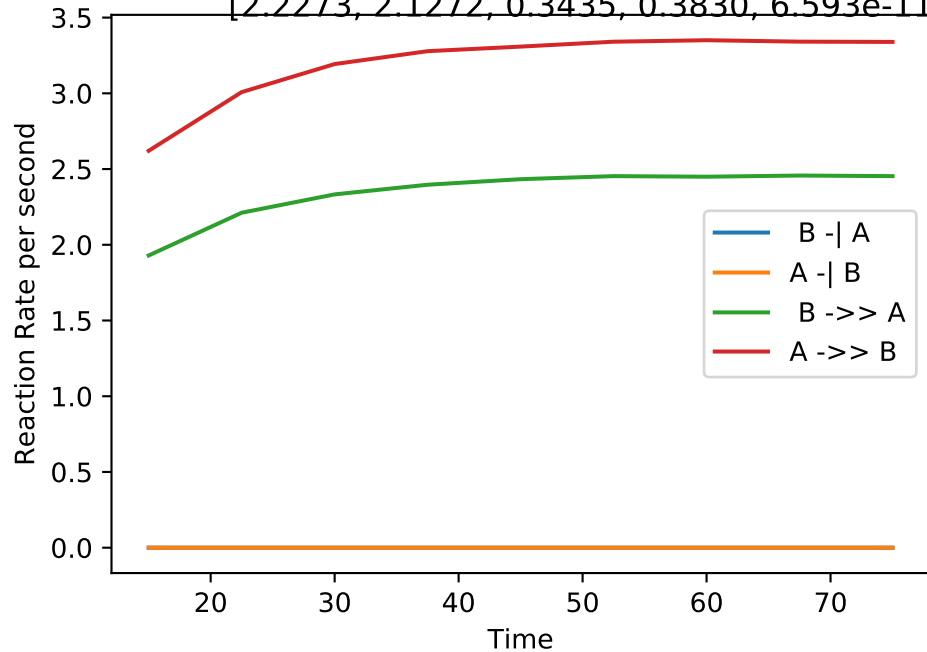
No_up | MB-LLS No_up(#271):

[2.2688, 2.2318, 0.3929, 0.1689, 3.485e-10, 1.101e-09, 0.1032, 0.2275, 0.1096, 0.0000]



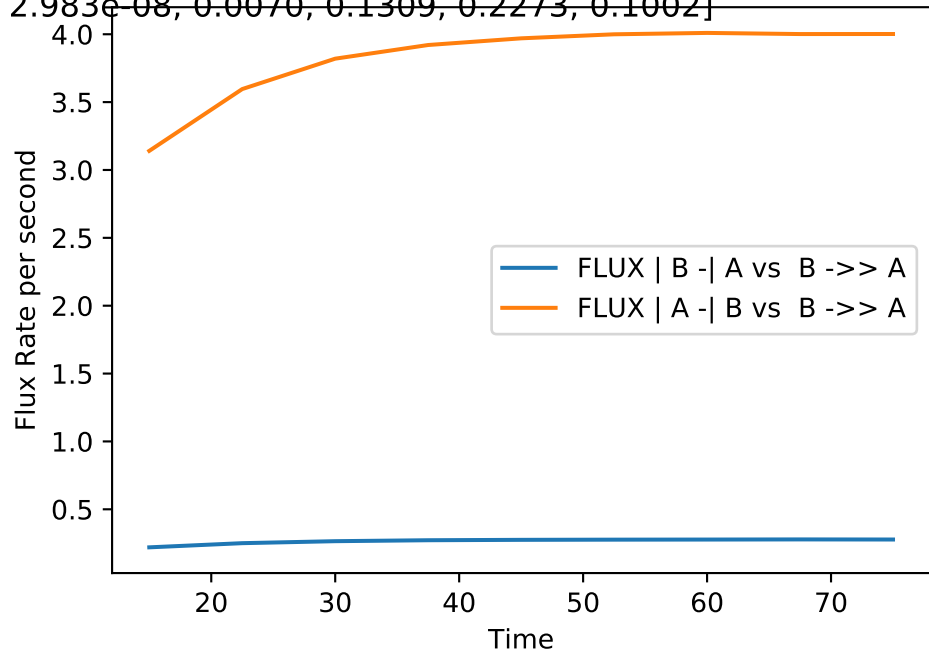
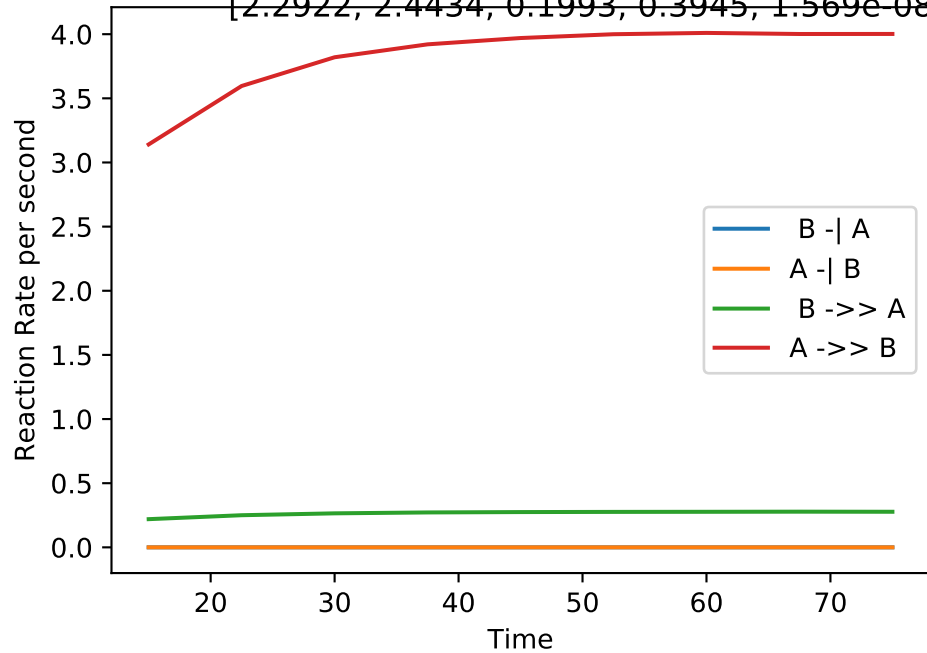
No_up | MB-LLS No_up(#272):

[2.2273, 2.1272, 0.3435, 0.3830, 6.593e-11, 5.195e-10, 0.0614, 0.2199, 0.2393, 0.0838]



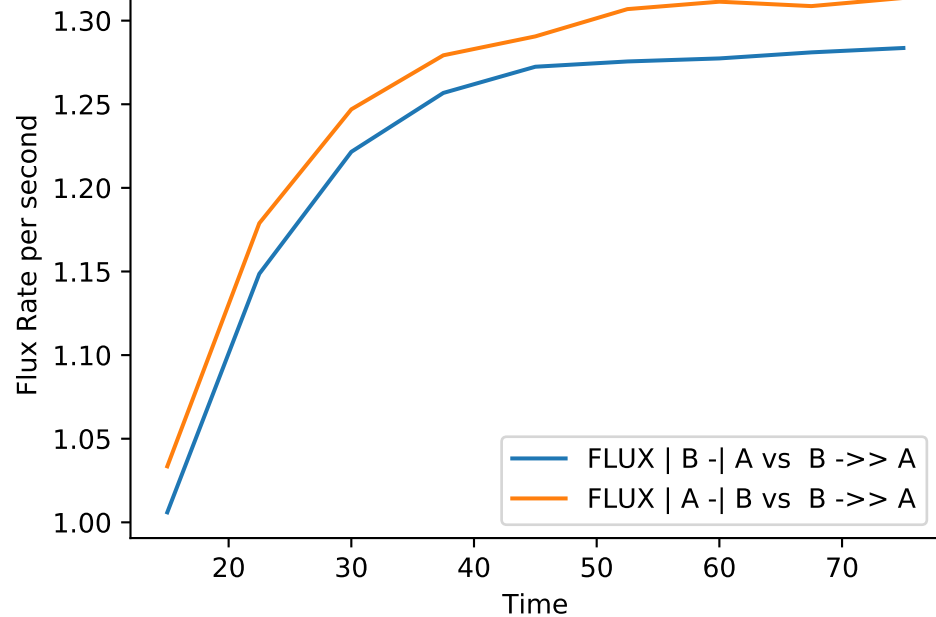
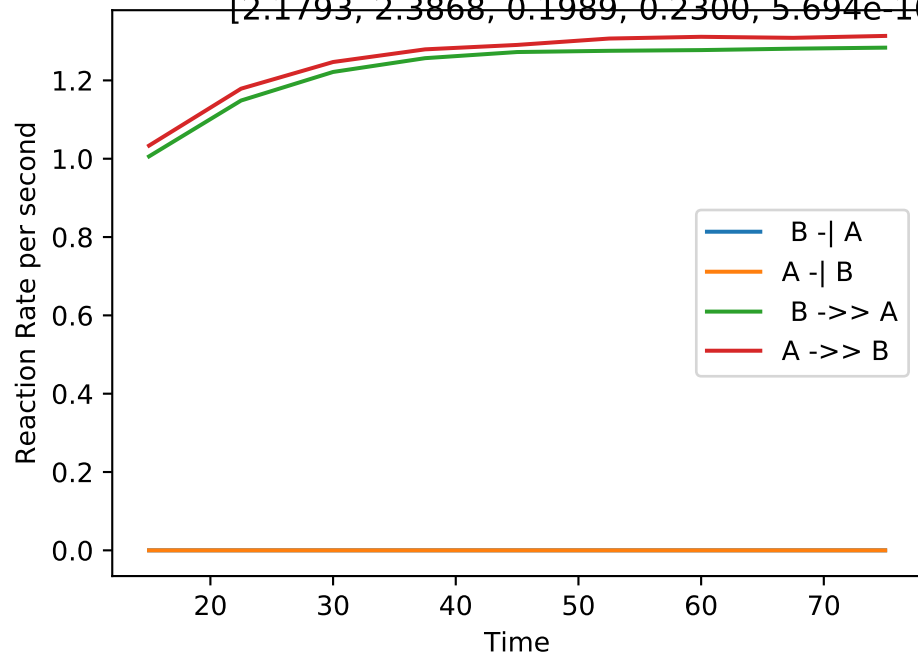
No_up | MB-LLS No_up(#273):

[2.2922, 2.4434, 0.1993, 0.3945, 1.569e-08, 2.983e-08, 0.0070, 0.1309, 0.2273, 0.1002]



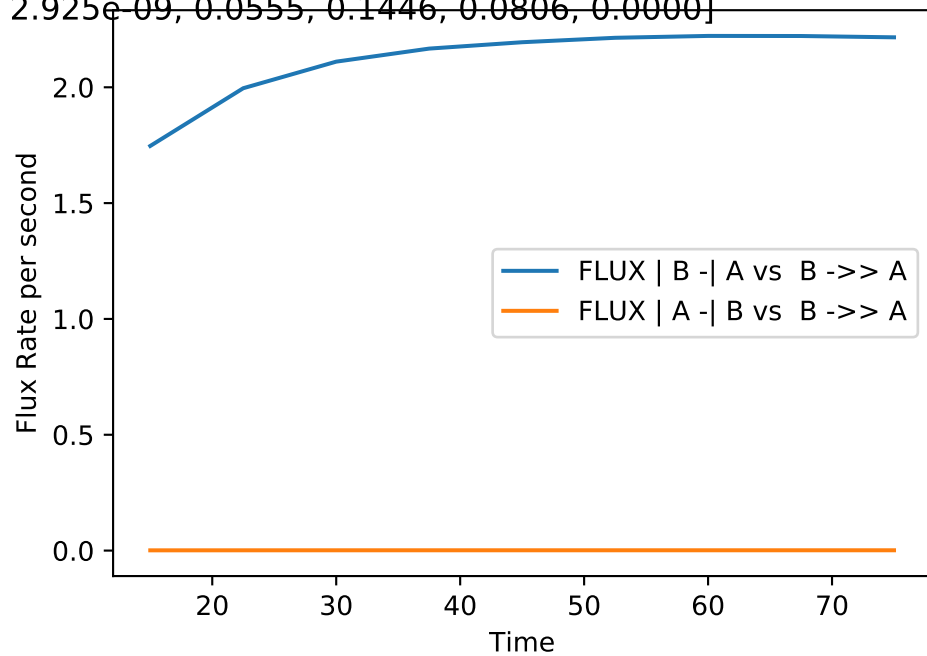
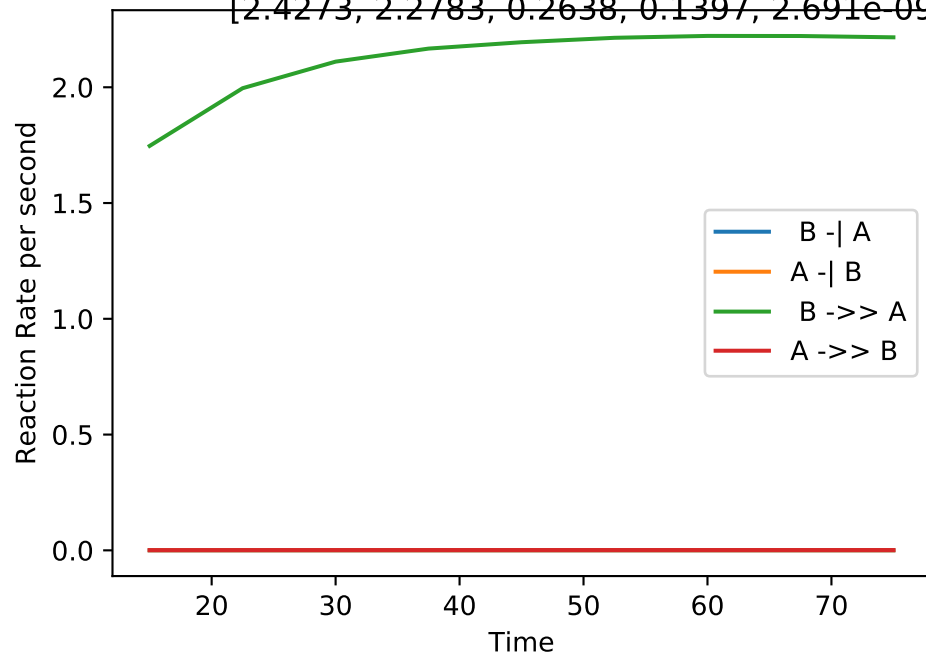
No_up | MB-LLS No_up(#274):

[2.1793, 2.3868, 0.1989, 0.2300, 5.694e-10, 5.588e-09, 0.0321, 0.1101, 0.1341, 0.0328]



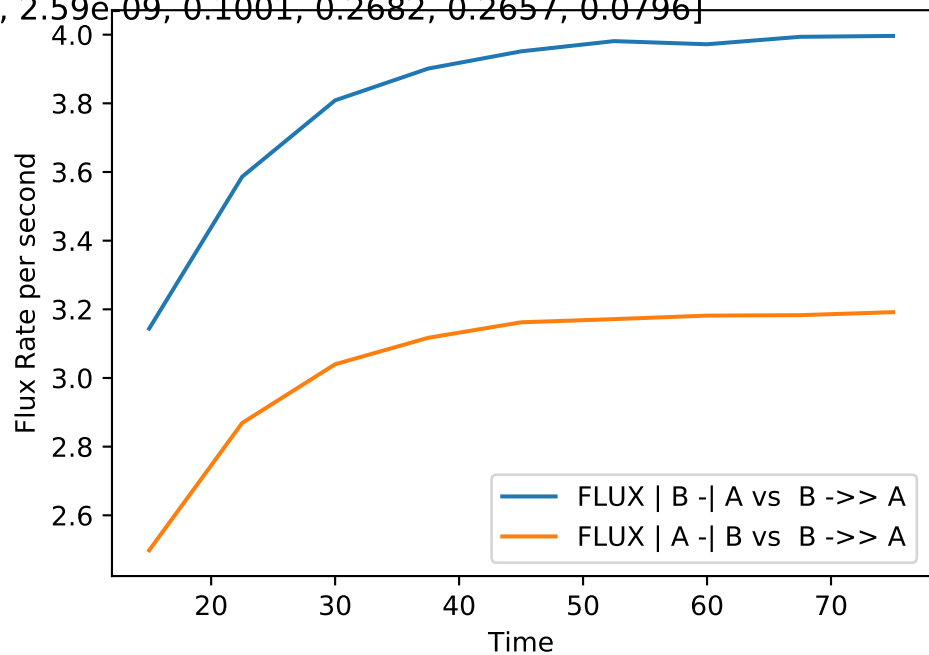
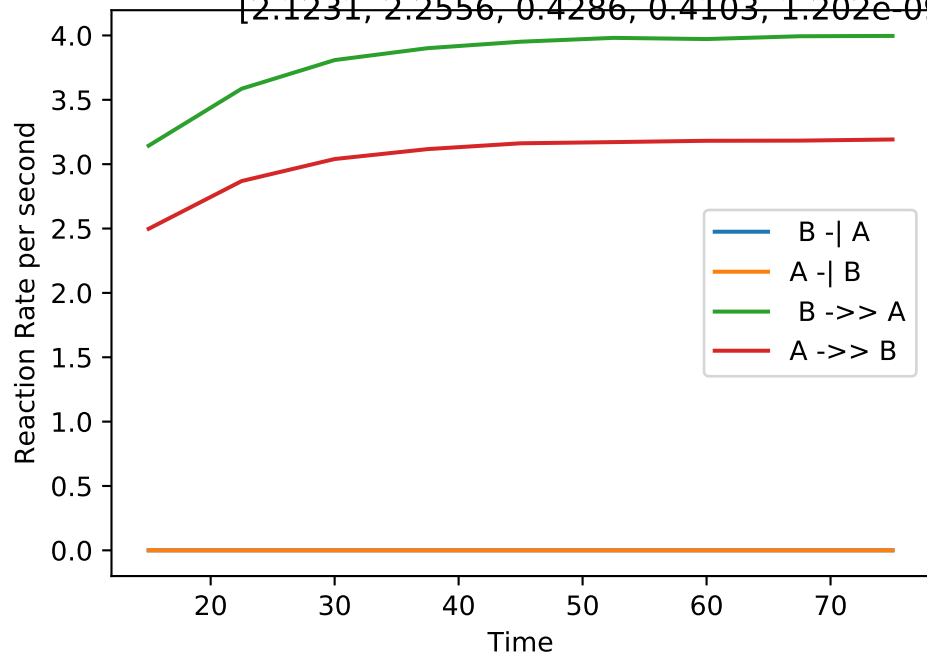
No_up | MB-LLS No_up(#275):

[2.4273, 2.2783, 0.2638, 0.1397, 2.691e-09, 2.925e-09, 0.0555, 0.1446, 0.0806, 0.0000]



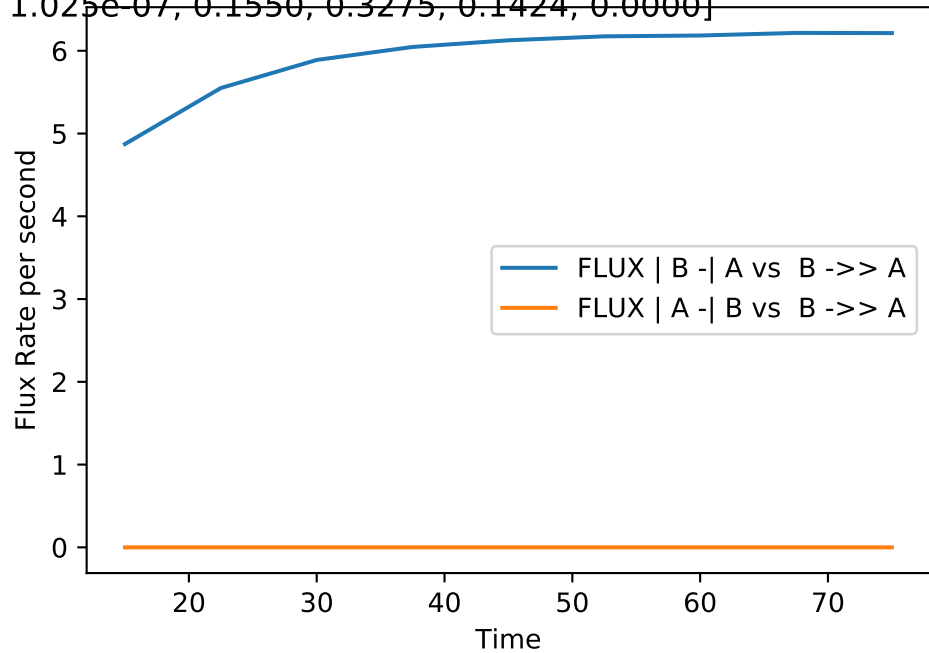
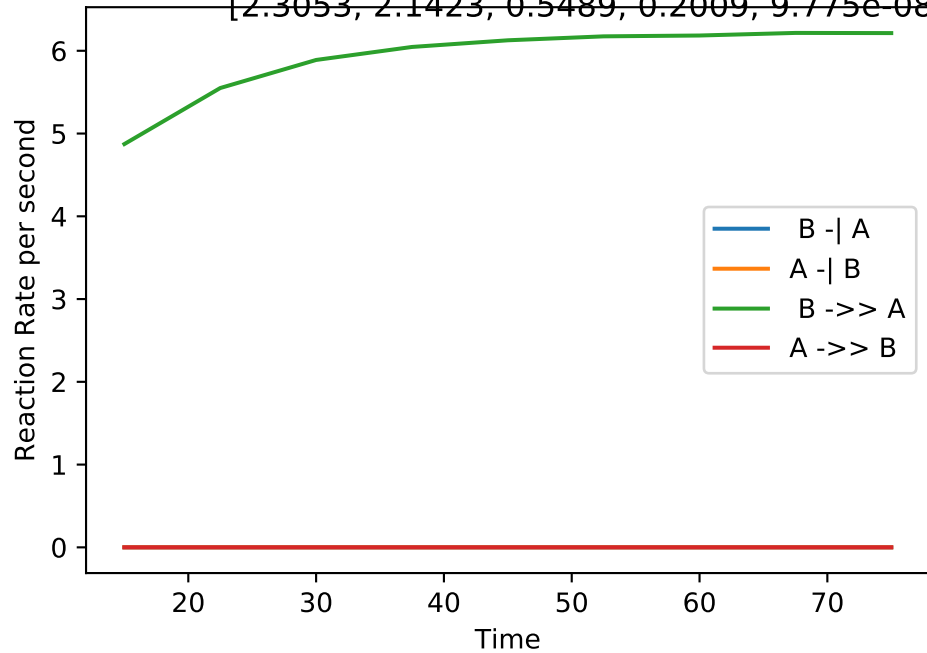
No_up | MB-LLS No_up(#276):

[2.1231, 2.2556, 0.4286, 0.4103, 1.202e-09, 2.59e-09, 0.1001, 0.2682, 0.2657, 0.0796]



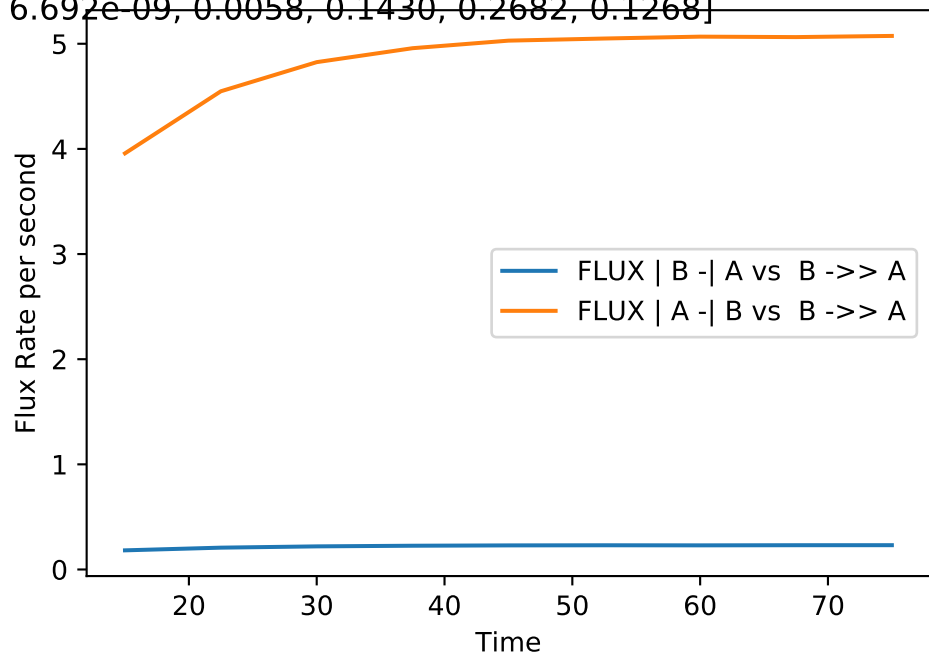
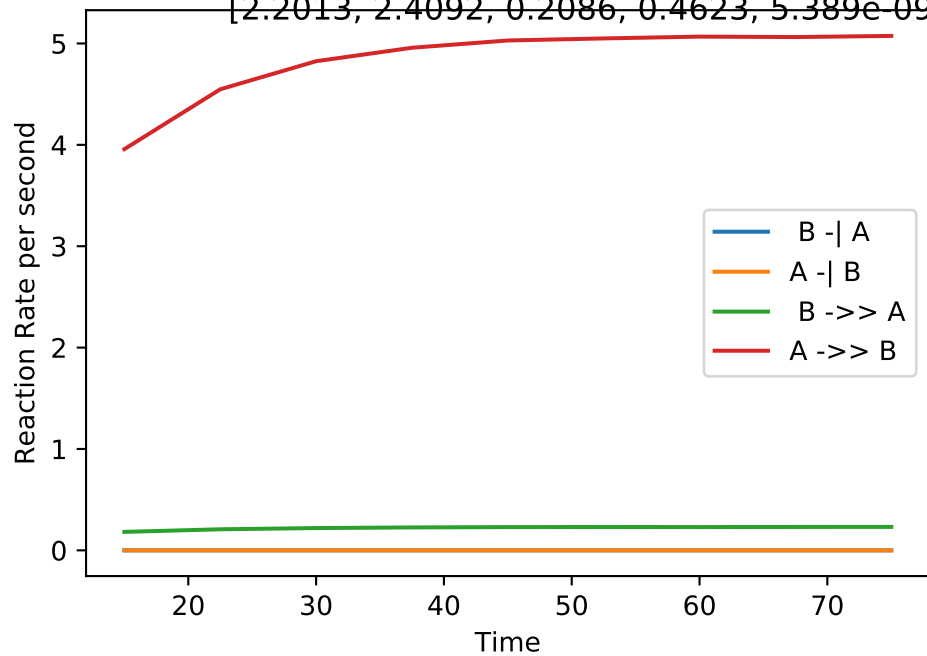
No_up | MB-LLS No_up(#277):

[2.3053, 2.1423, 0.5489, 0.2009, 9.775e-08, 1.025e-07, 0.1550, 0.3275, 0.1424, 0.0000]



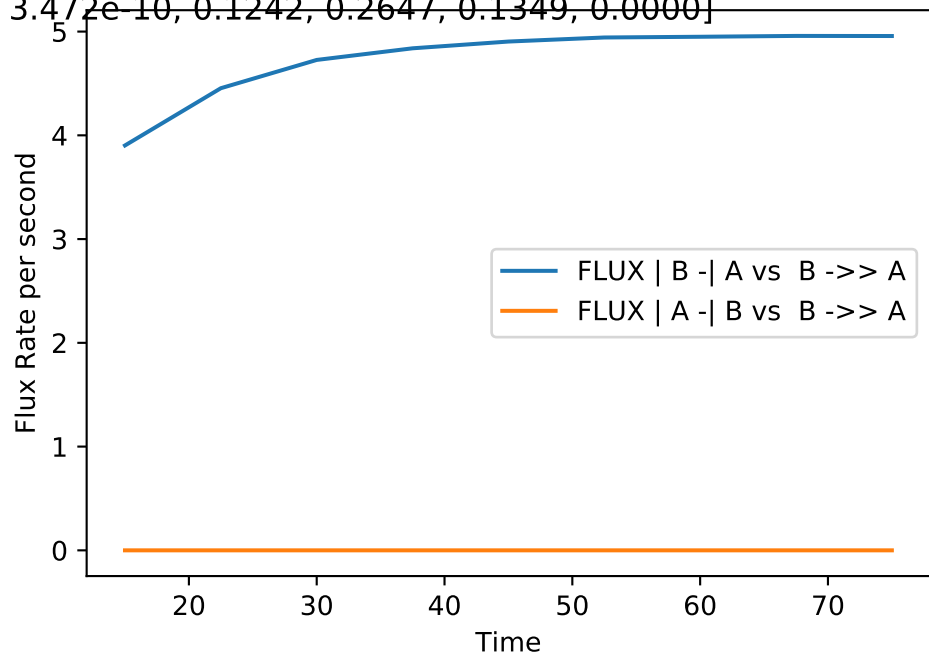
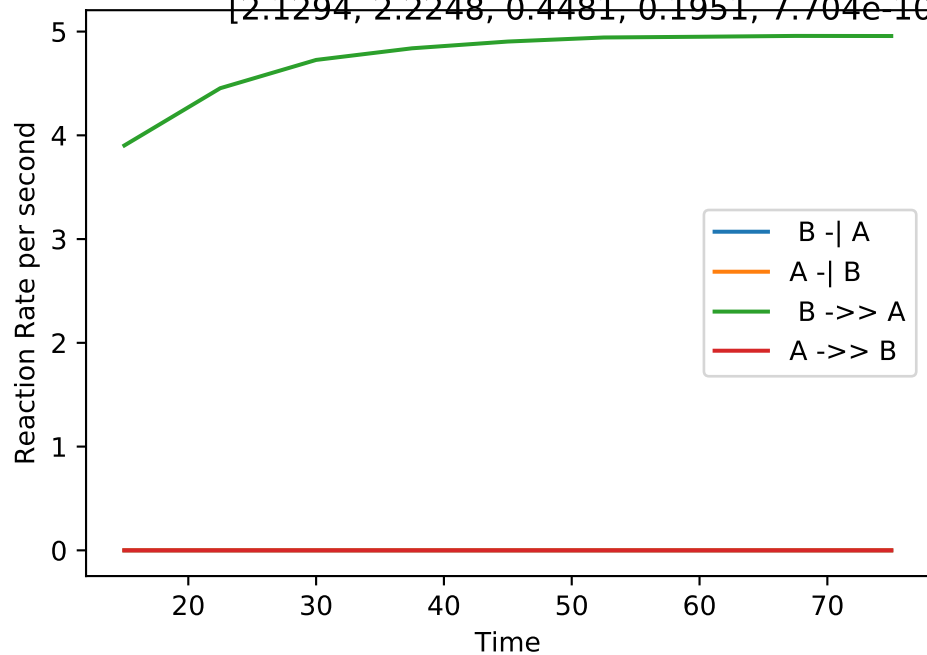
No_up | MB-LLS No_up(#278):

[2.2013, 2.4092, 0.2086, 0.4623, 5.389e-09, 6.692e-09, 0.0058, 0.1430, 0.2682, 0.1268]



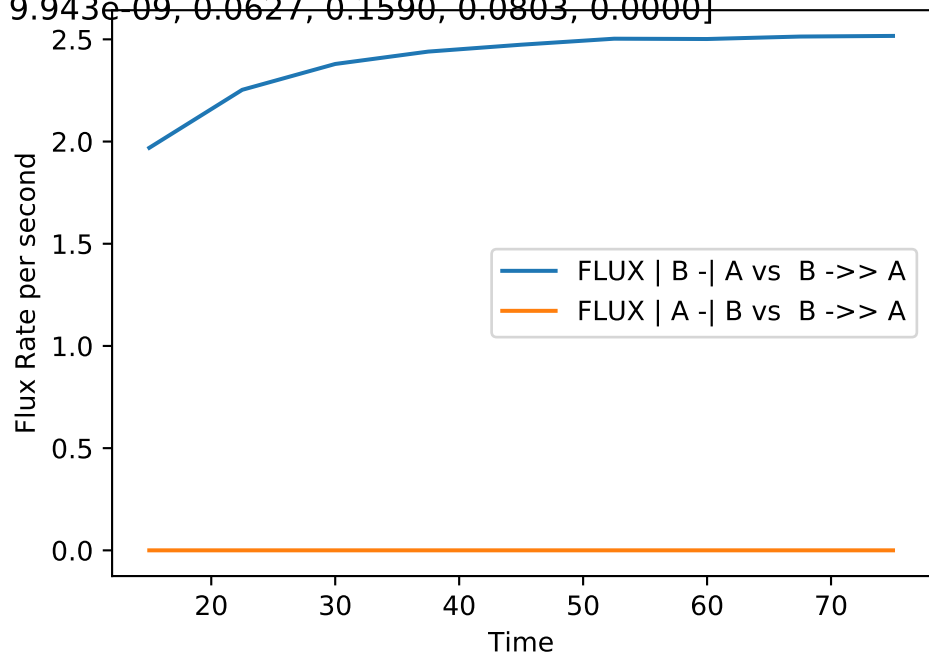
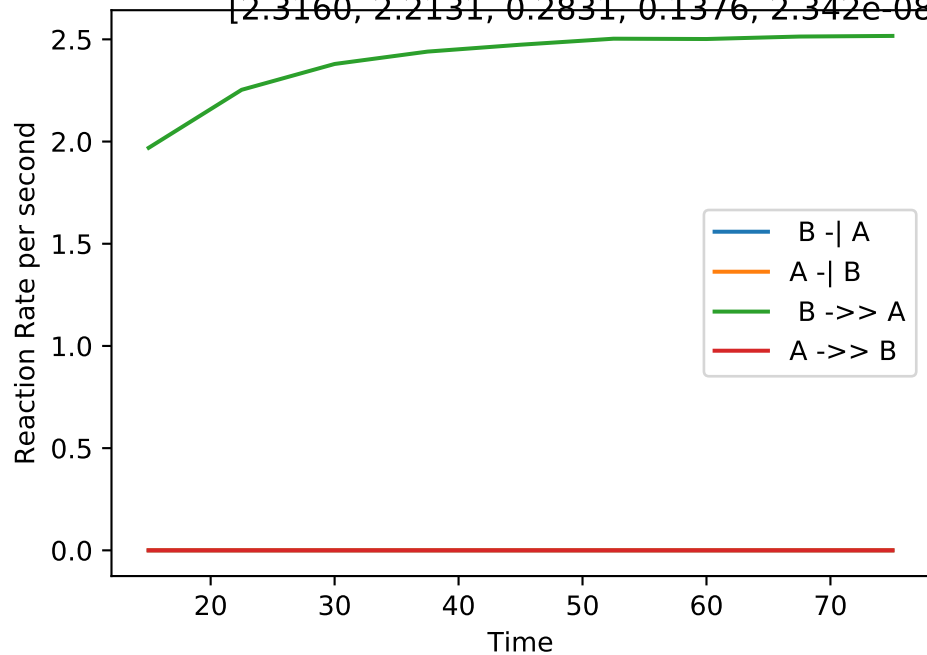
No_up | MB-LLS No_up(#279):

[2.1294, 2.2248, 0.4481, 0.1951, 7.704e-10, 3.472e-10, 0.1242, 0.2647, 0.1349, 0.0000]



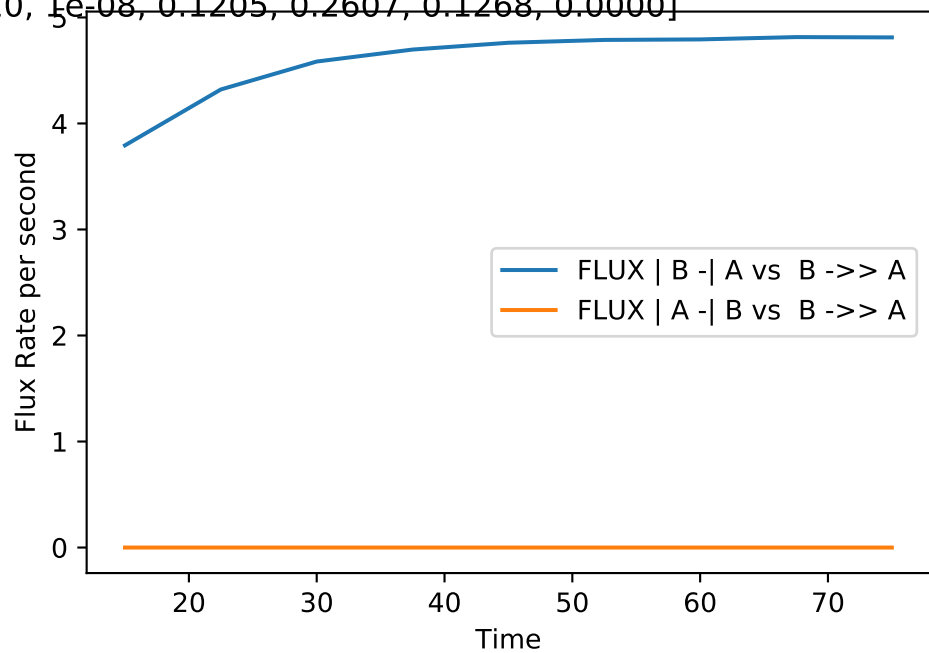
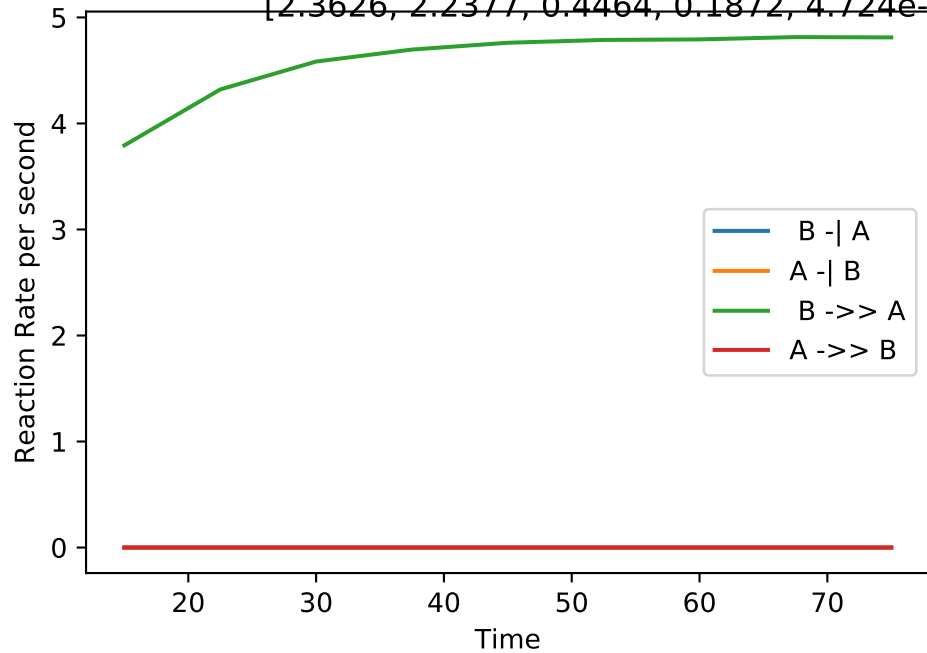
No_up | MB-LLS No_up(#280):

[2.3160, 2.2131, 0.2831, 0.1376, 2.342e-08, 9.943e-09, 0.0627, 0.1590, 0.0803, 0.0000]



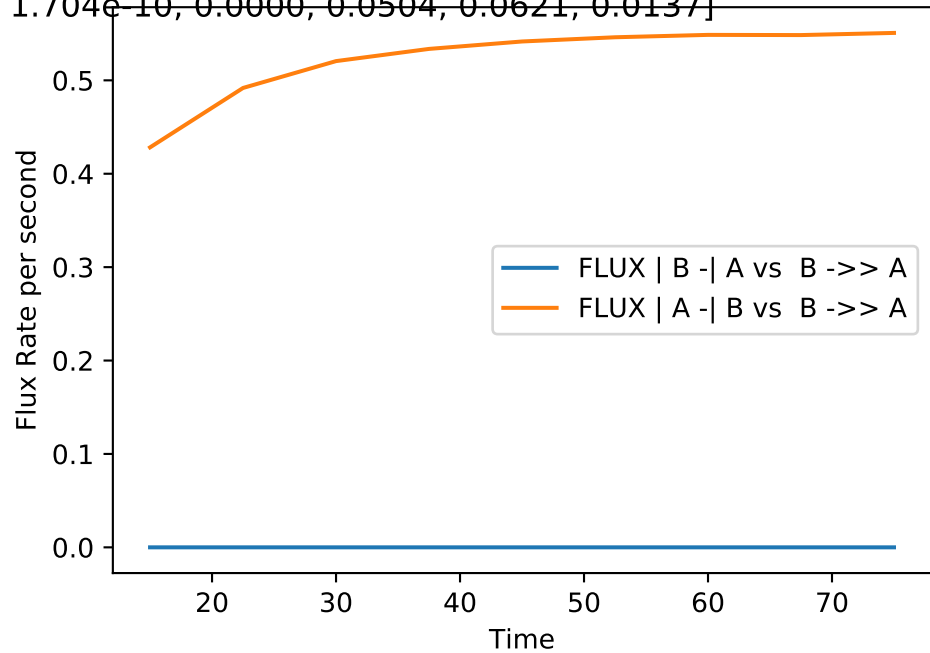
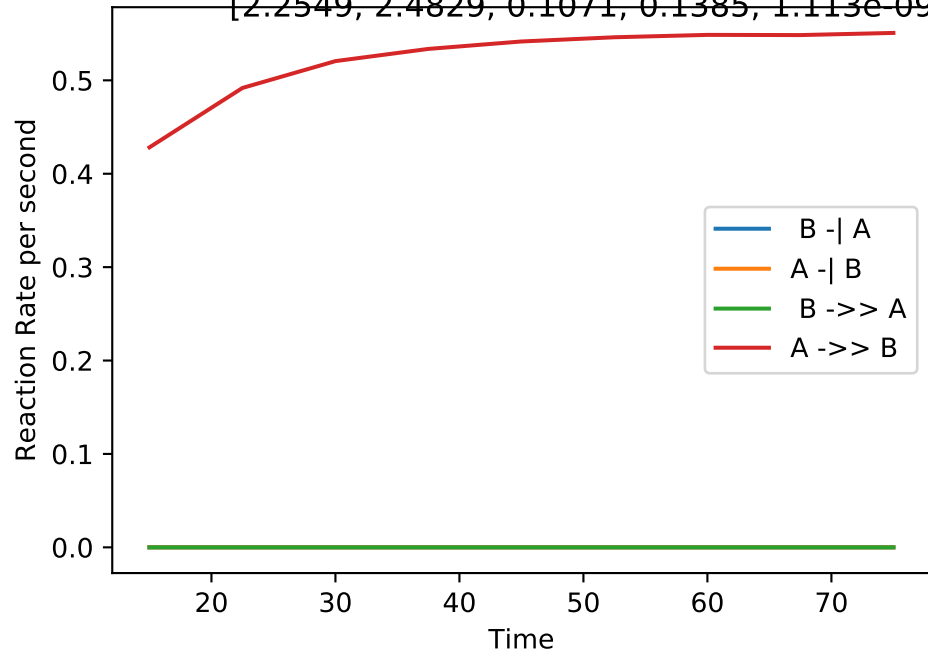
No_up | MB-LLS No_up(#281):

[2.3626, 2.2377, 0.4464, 0.1872, 4.724e-10, 1e-08, 0.1205, 0.2607, 0.1268, 0.0000]



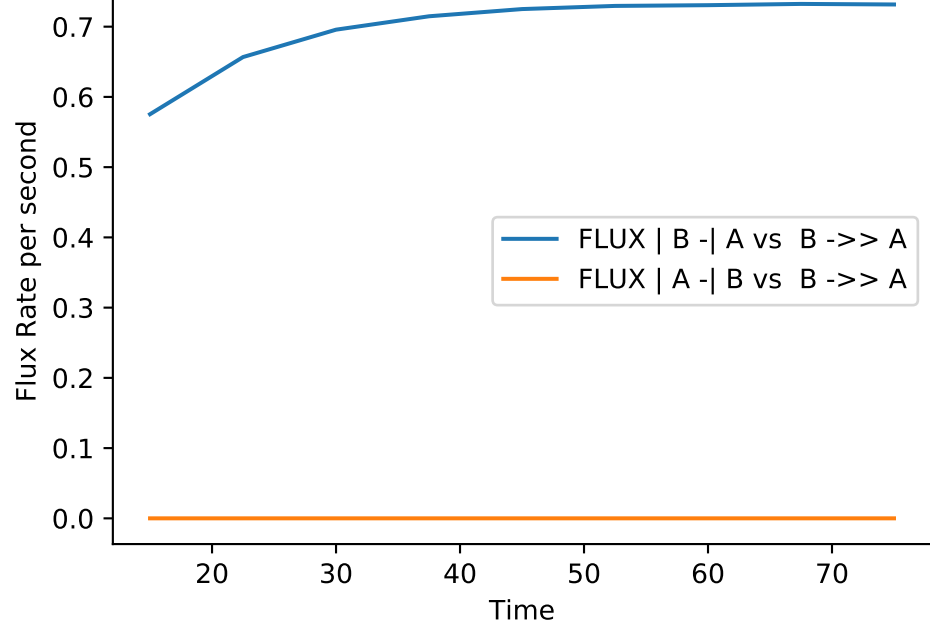
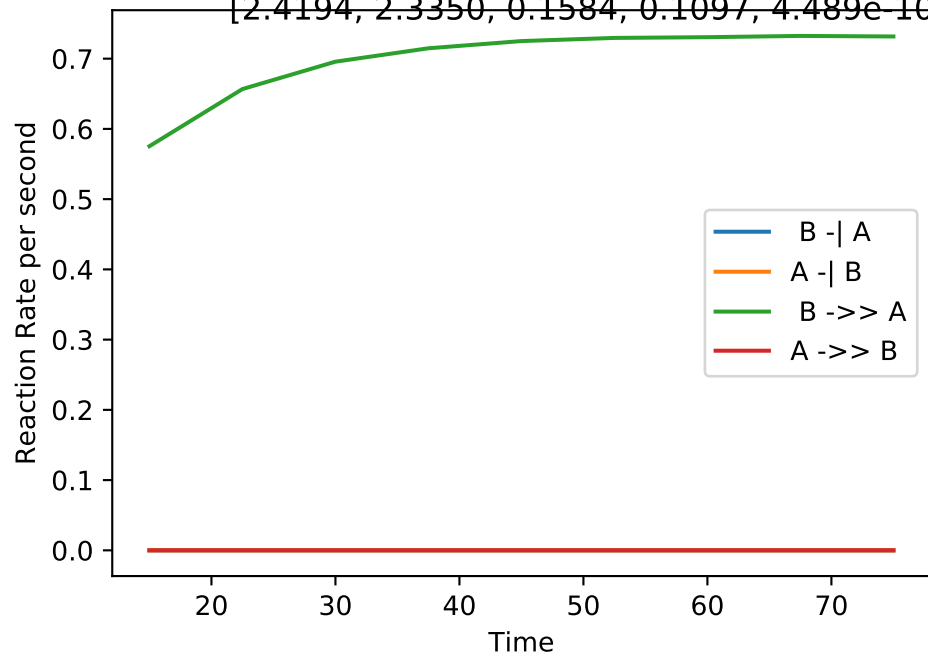
No_up | MB-LLS No_up(#282):

[2.2549, 2.4829, 0.1071, 0.1385, 1.113e-09, 1.704e-10, 0.0000, 0.0504, 0.0621, 0.0137]



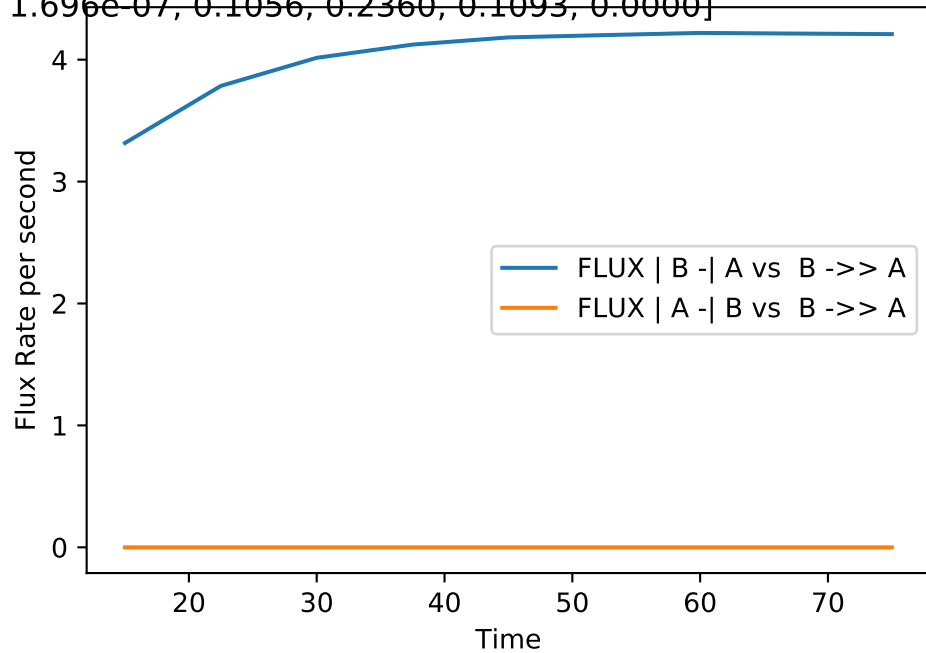
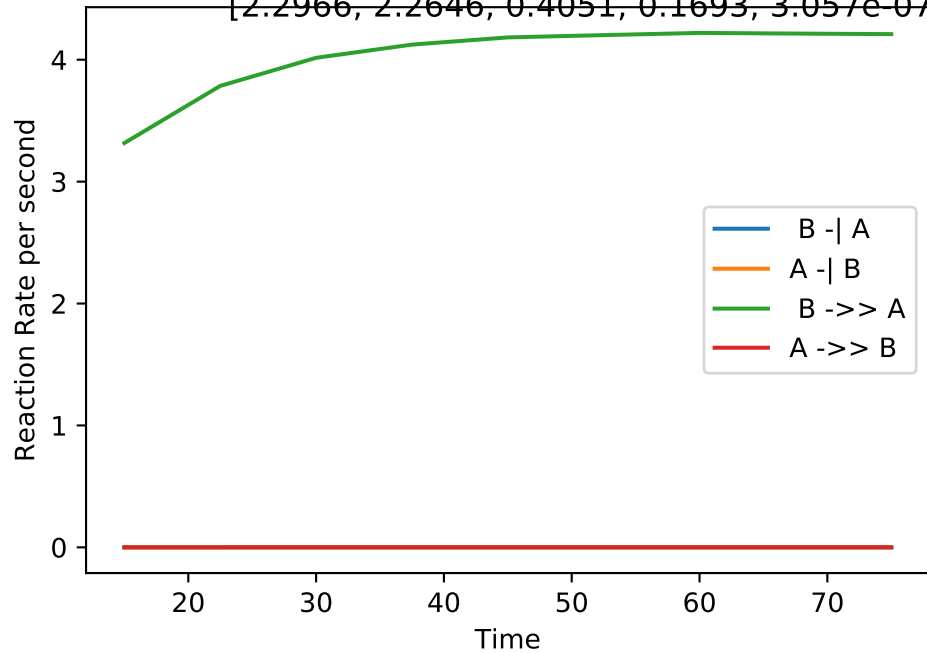
No_up | MB-LLS No_up(#283):

[2.4194, 2.3350, 0.1584, 0.1097, 4.489e-10, 4.591e-10, 0.0183, 0.0783, 0.0507, 0.0000]



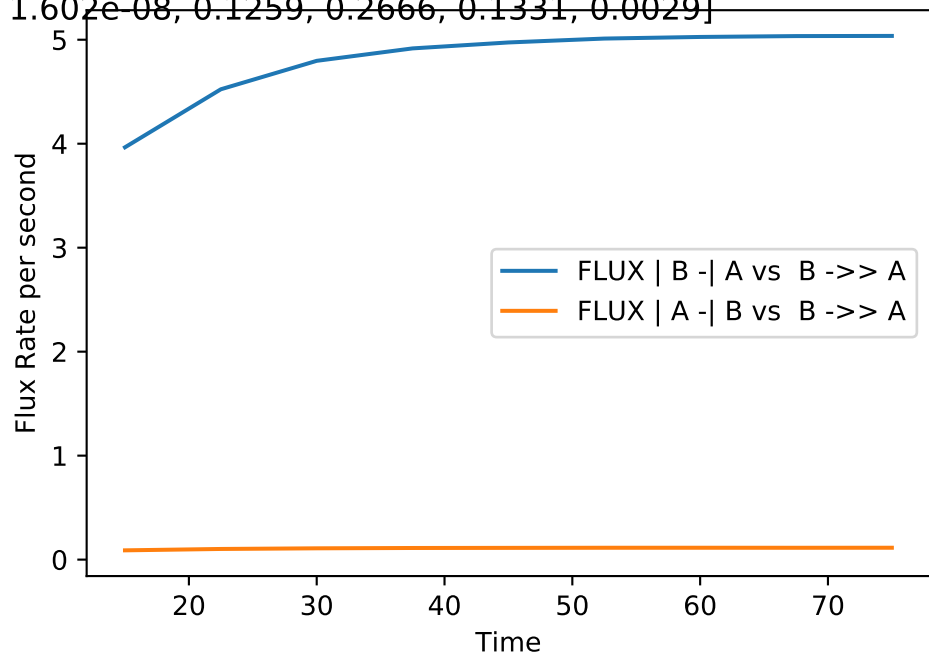
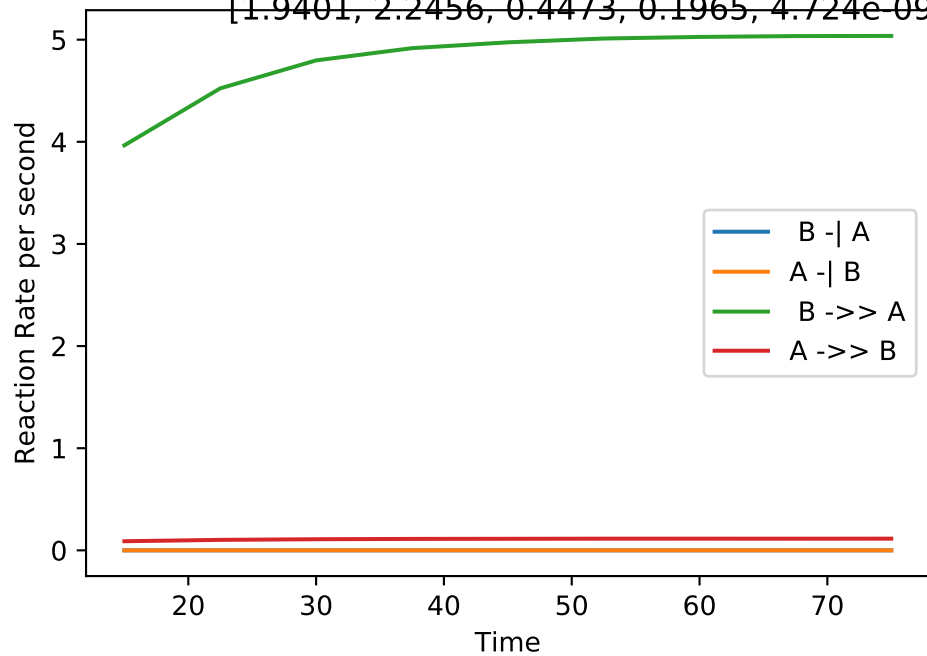
No_up | MB-LLS No_up(#284):

[2.2966, 2.2646, 0.4051, 0.1693, 3.057e-07, 1.696e-07, 0.1056, 0.2360, 0.1093, 0.0000]



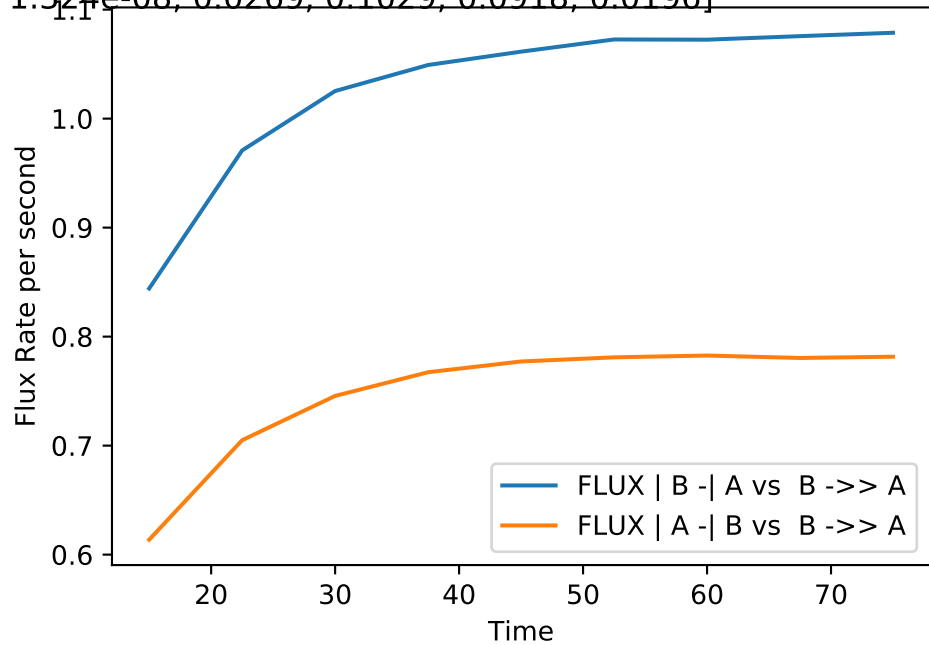
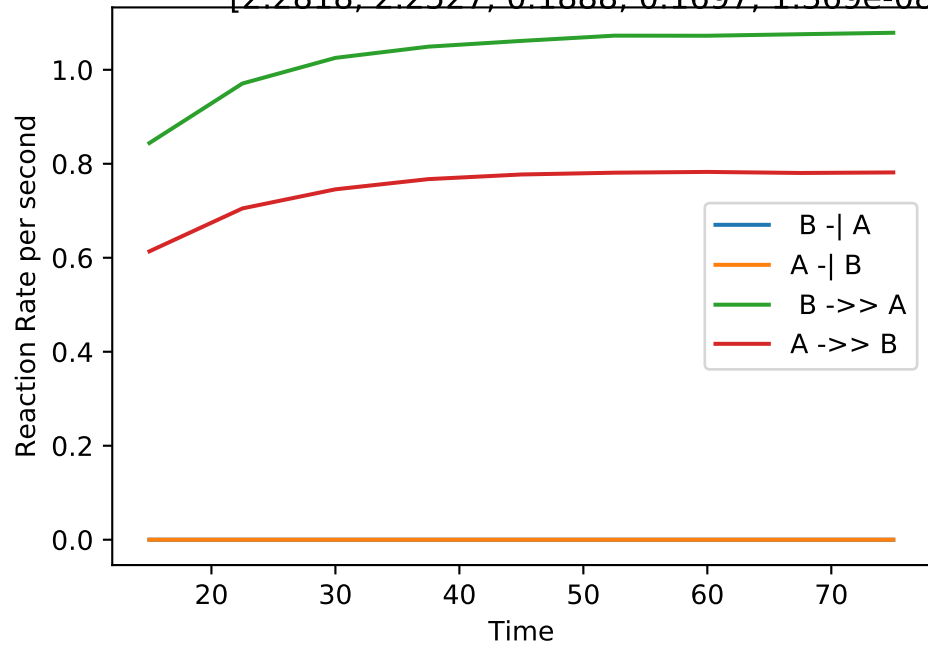
No_up | MB-LLS No_up(#285):

[1.9401, 2.2456, 0.4473, 0.1965, 4.724e-09, 1.602e-08, 0.1259, 0.2666, 0.1331, 0.0029]



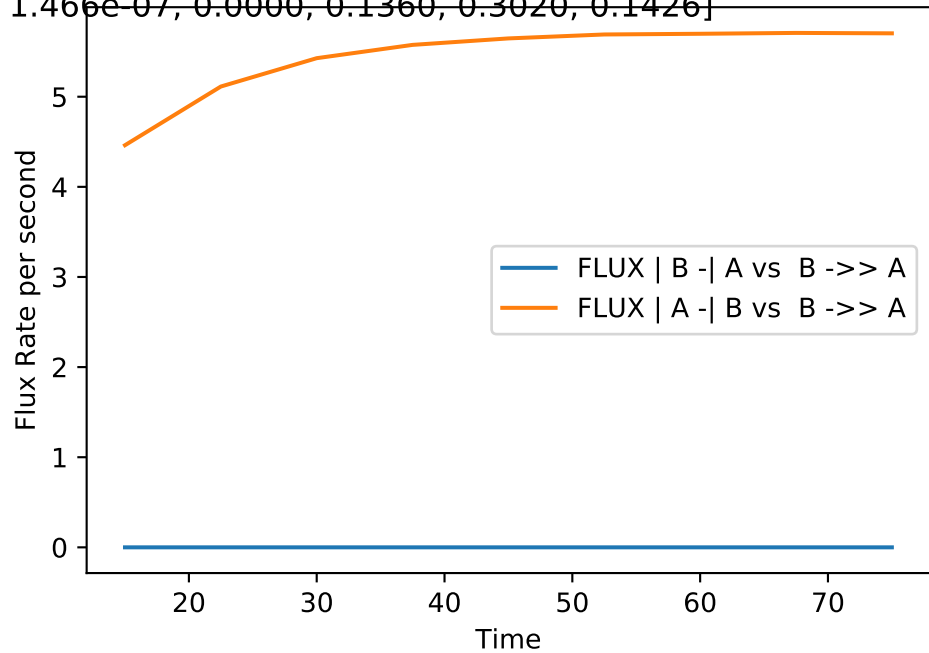
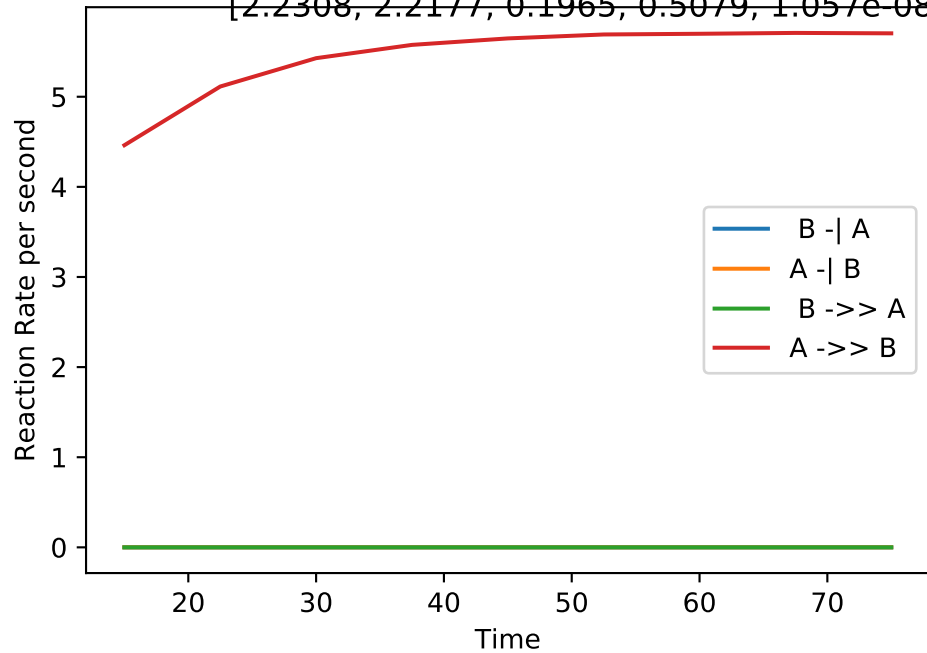
No_up | MB-LLS No_up(#286):

[2.2818, 2.2527, 0.1888, 0.1697, 1.369e-08, 1.324e-08, 0.0269, 0.1029, 0.0918, 0.0196]



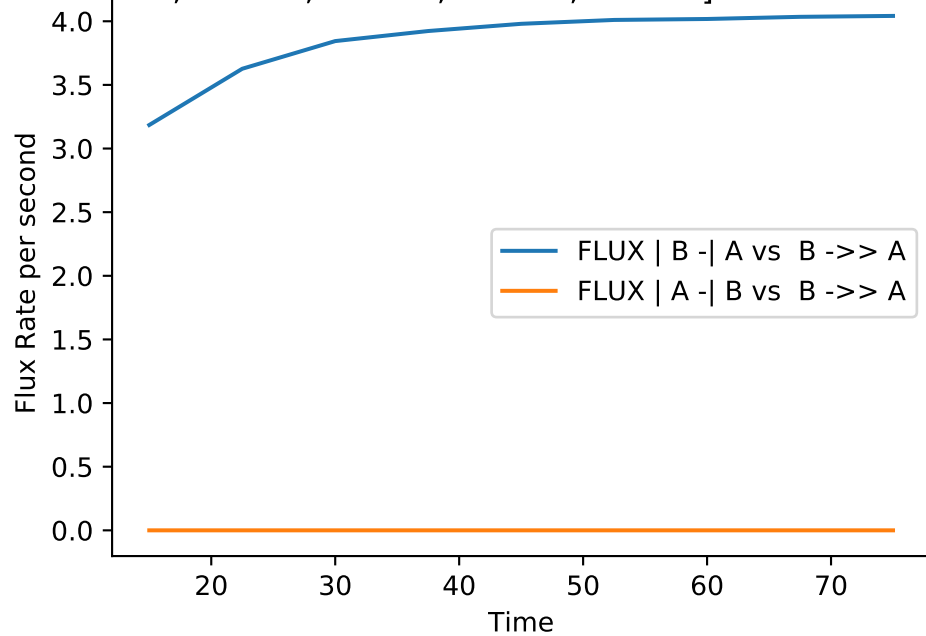
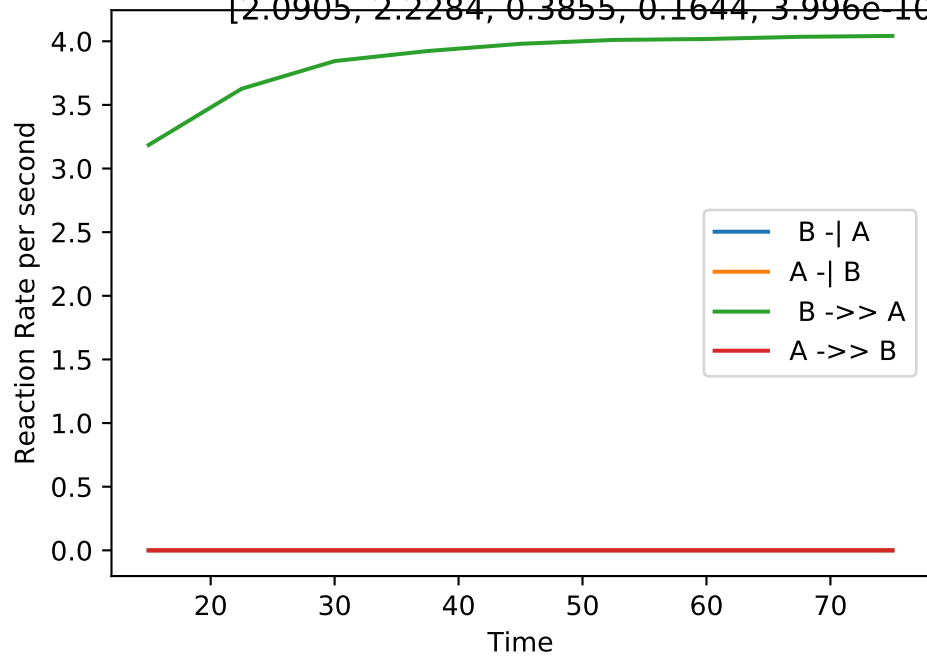
No_up | MB-LLS No_up(#287):

[2.2308, 2.2177, 0.1965, 0.5079, 1.057e-08, 1.466e-07, 0.0000, 0.1360, 0.3020, 0.1426]



No_up | MB-LLS No_up(#288):

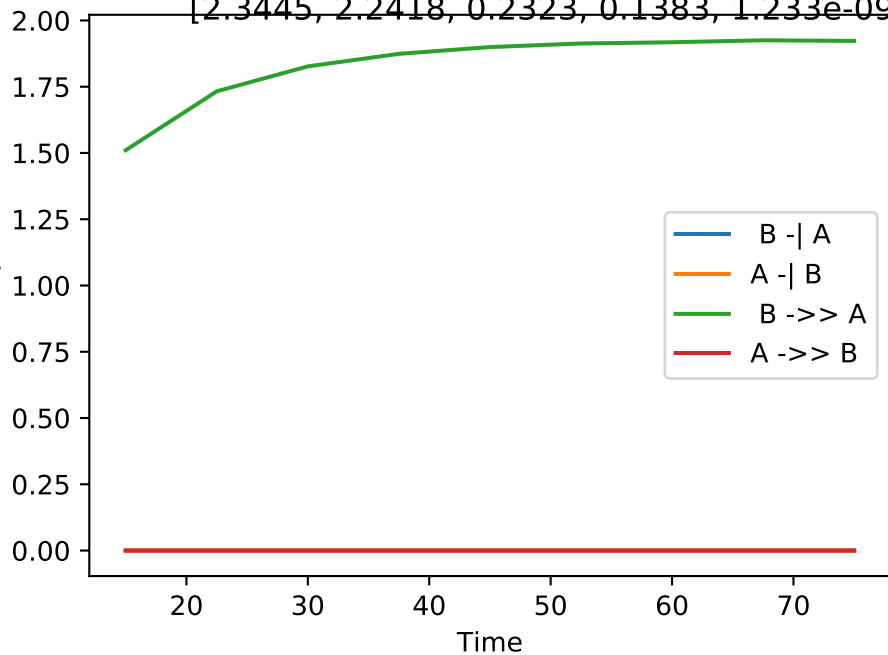
[2.0905, 2.2284, 0.3855, 0.1644, 3.996e-10, 2.771e-09, 0.1009, 0.2271, 0.1055, 0.0000]



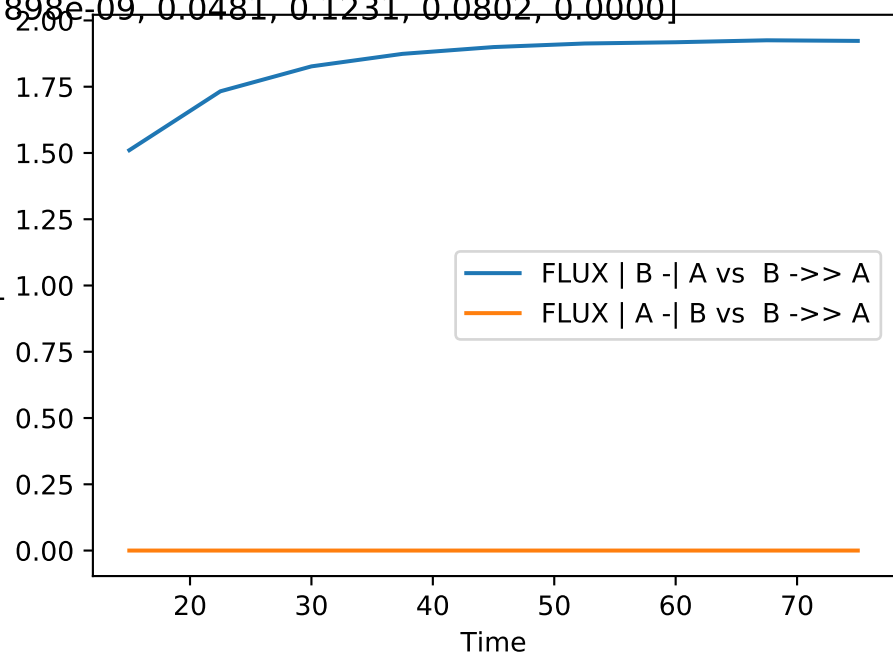
No_up | MB-LLS No_up(#289):

[2.3445, 2.2418, 0.2323, 0.1383, 1.233e-09, 1.898e-09, 0.0481, 0.1231, 0.0802, 0.0000]

Reaction Rate per second

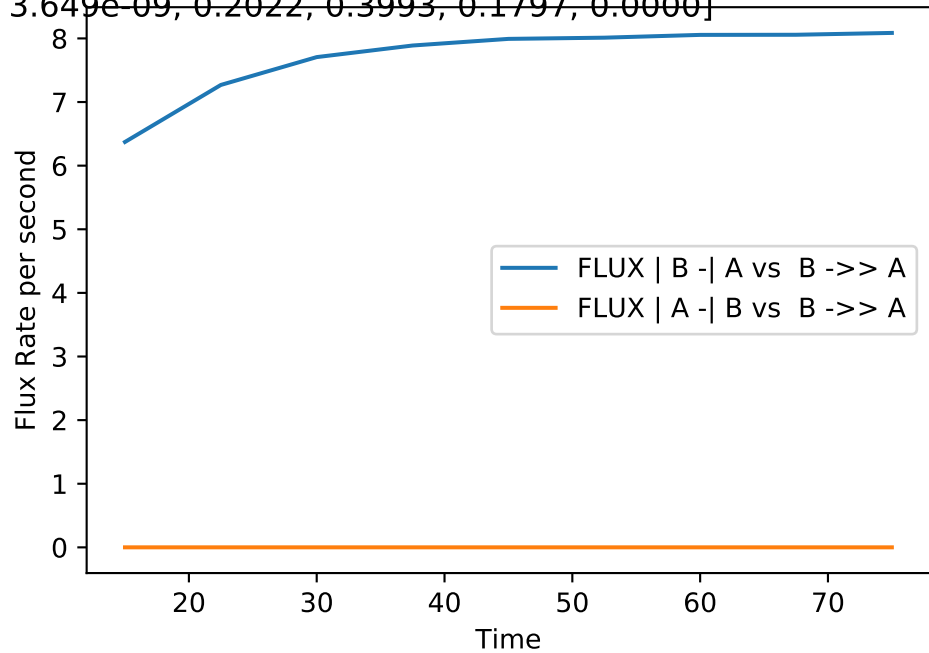
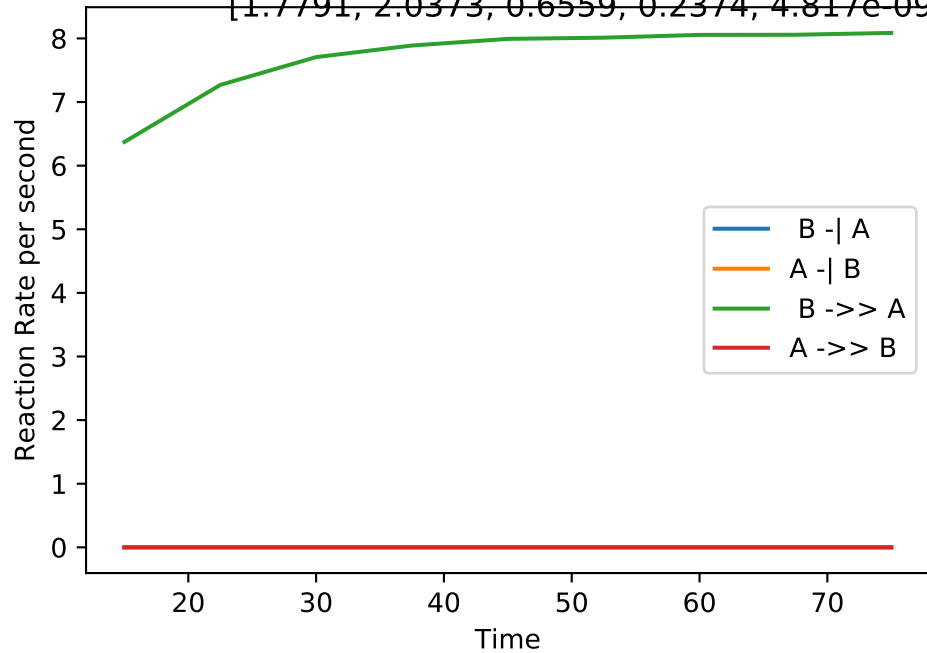


Flux Rate per second



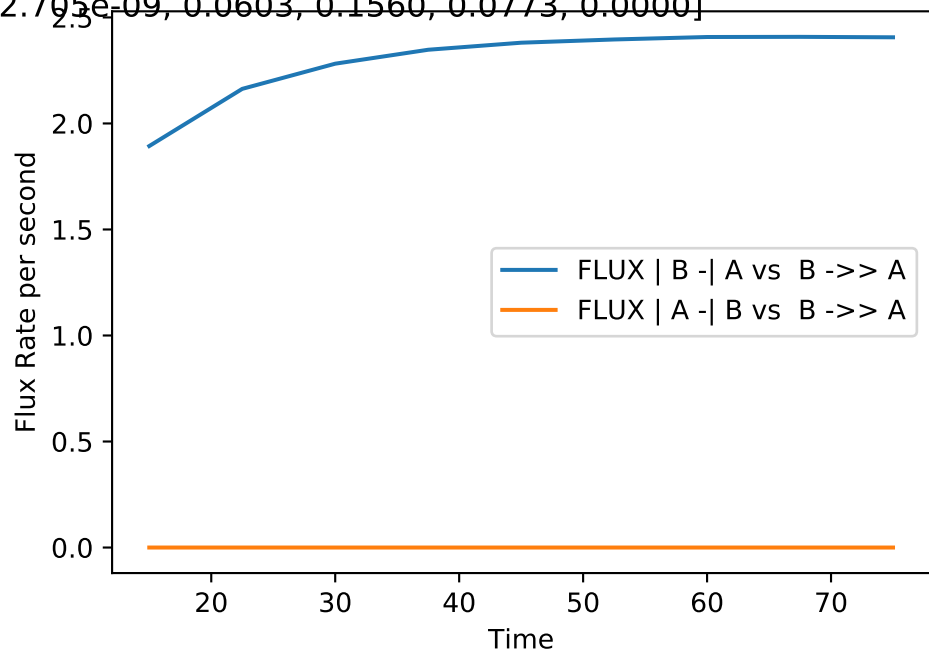
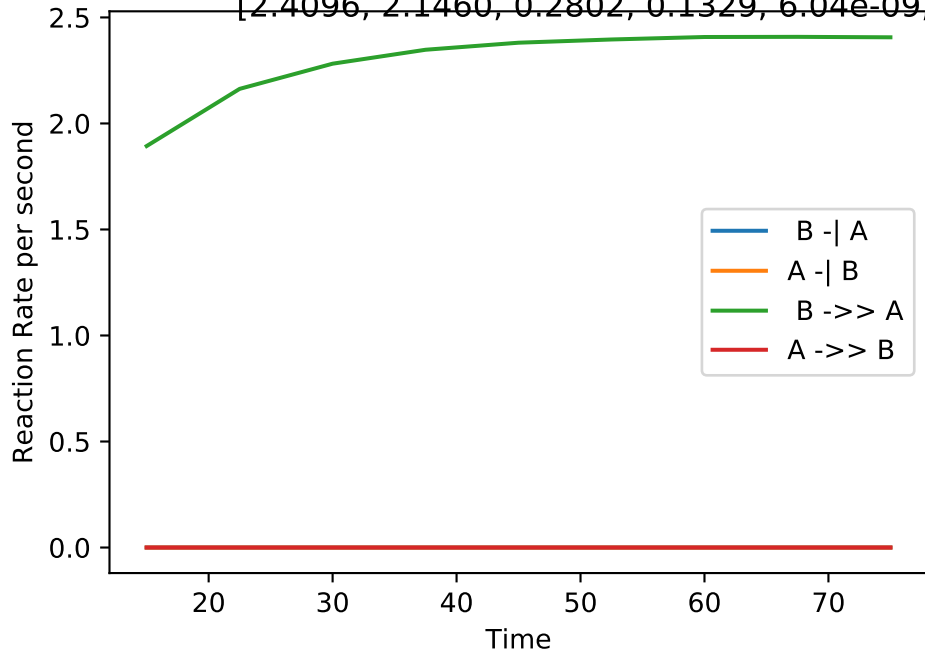
No_up | MB-LLS No_up(#290):

[1.7791, 2.0373, 0.6559, 0.2374, 4.817e-09, 3.649e-09, 0.2022, 0.3993, 0.1797, 0.0000]



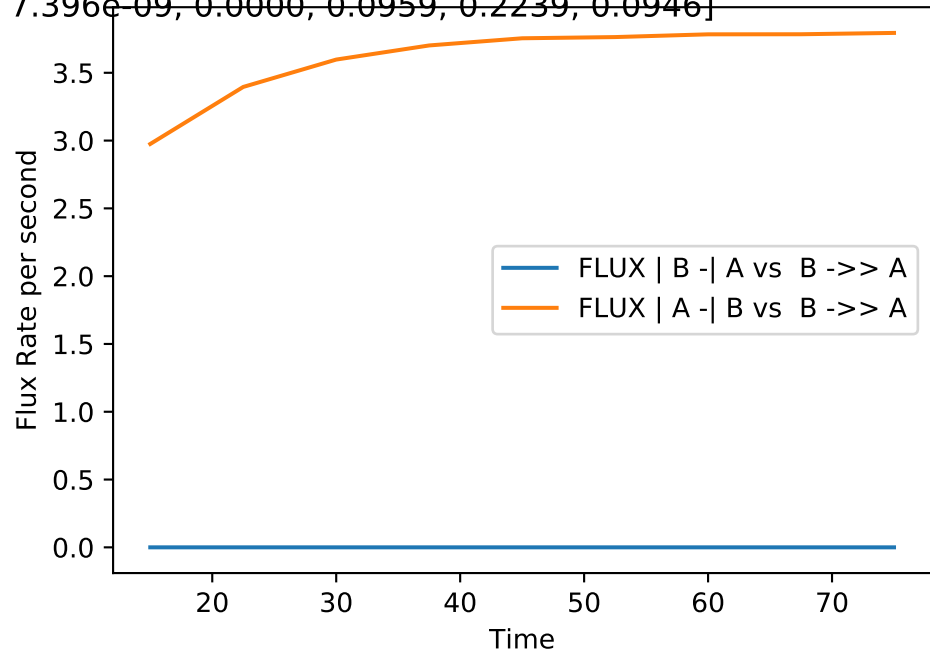
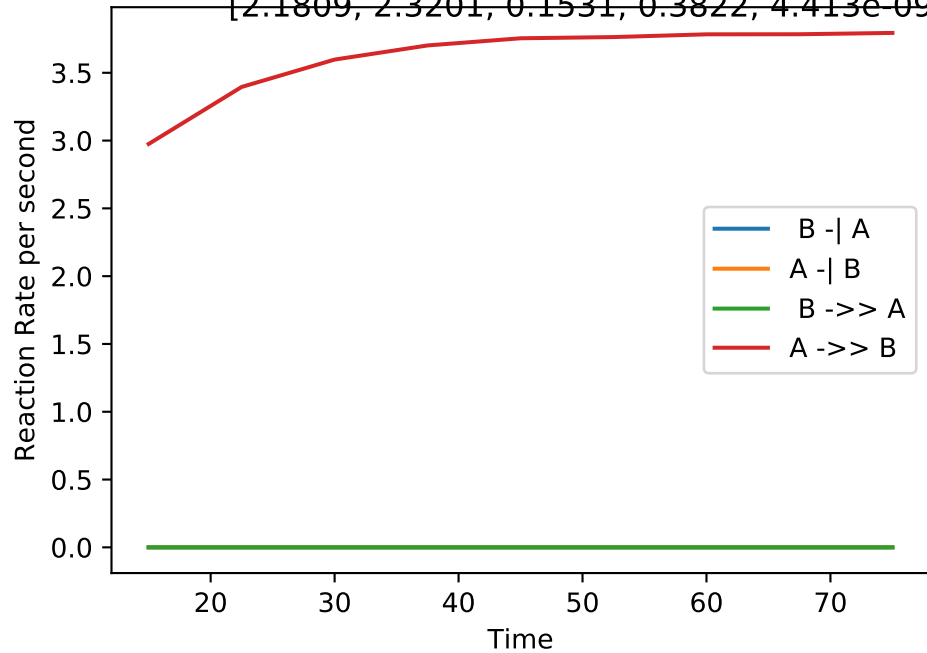
No_up | MB-LLS No_up(#291):

[2.4096, 2.1460, 0.2802, 0.1329, 6.04e-09, 2.705e-09, 0.0603, 0.1560, 0.0773, 0.0000]



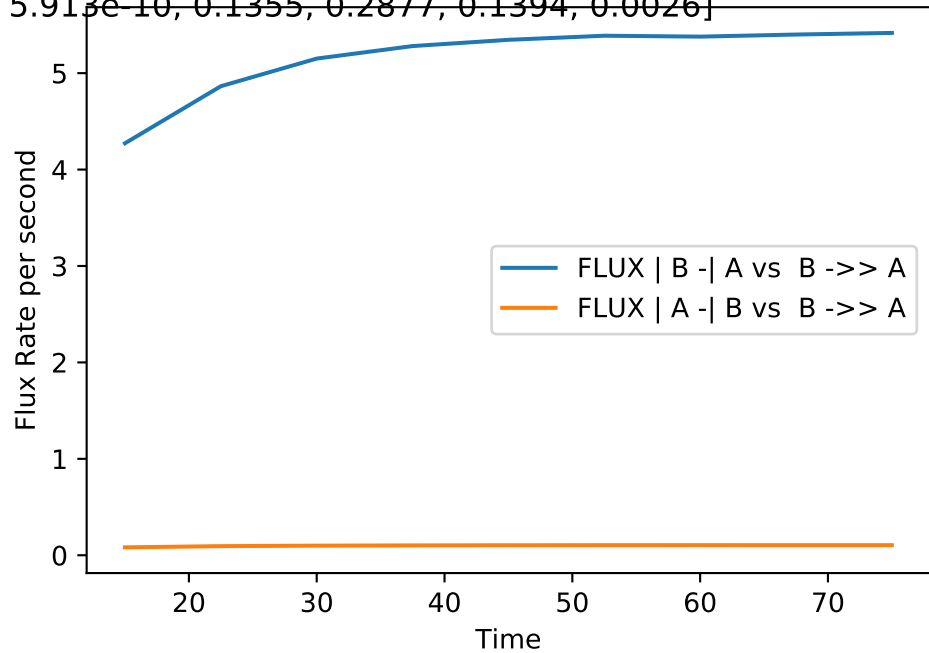
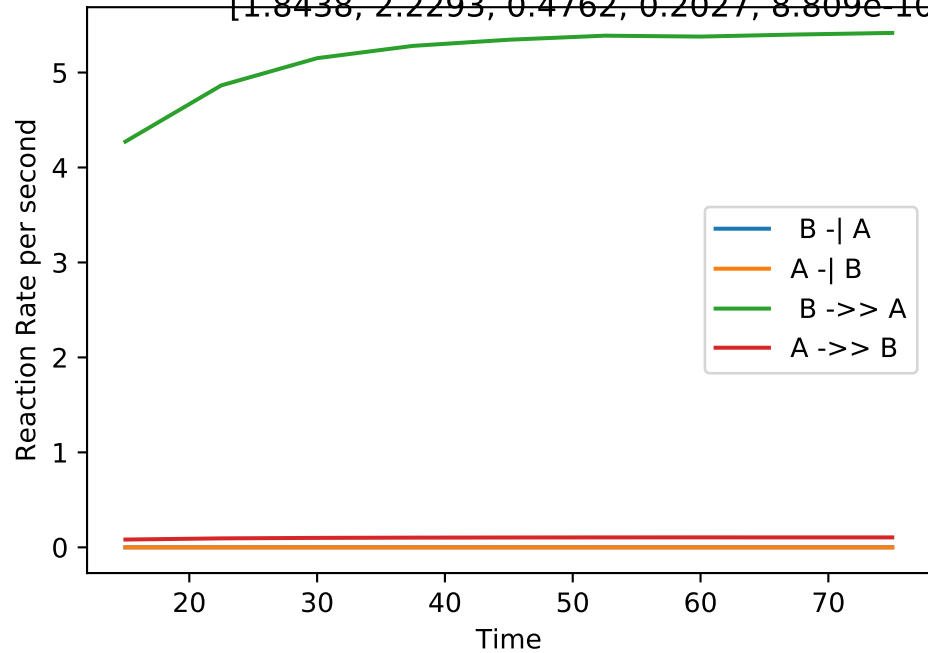
No_up | MB-LLS No_up(#292):

[2.1809, 2.3201, 0.1531, 0.3822, 4.413e-09, 7.396e-09, 0.0000, 0.0959, 0.2239, 0.0946]



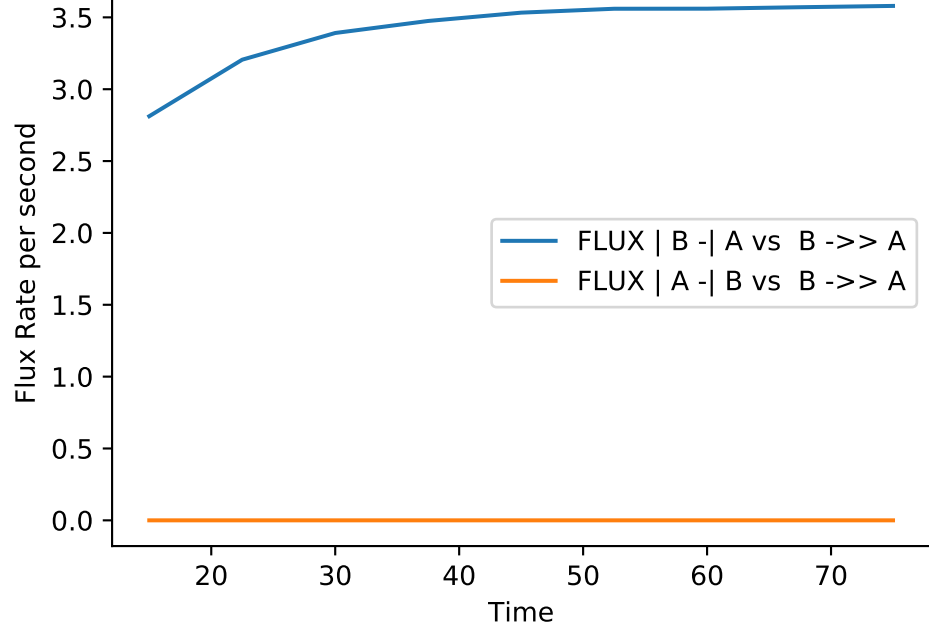
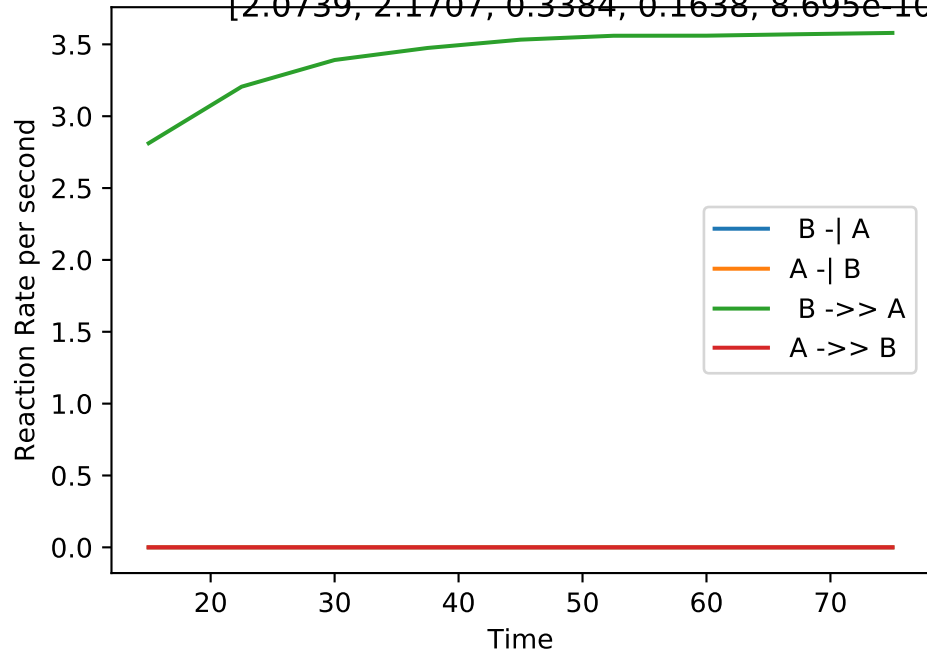
No_up | MB-LLS No_up(#293):

[1.8438, 2.2293, 0.4762, 0.2027, 8.809e-10, 5.913e-10, 0.1355, 0.2877, 0.1394, 0.0026]



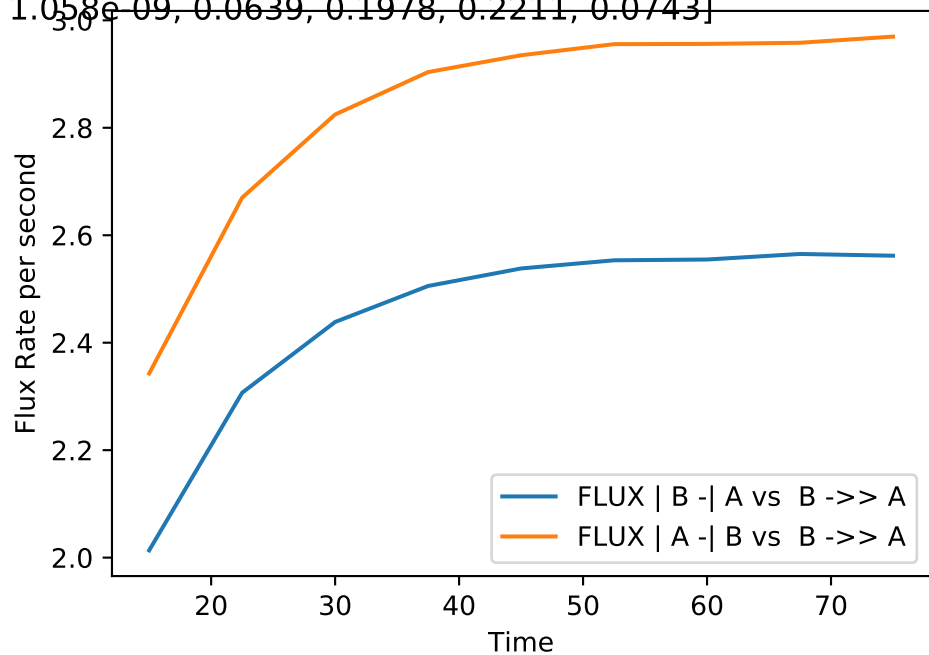
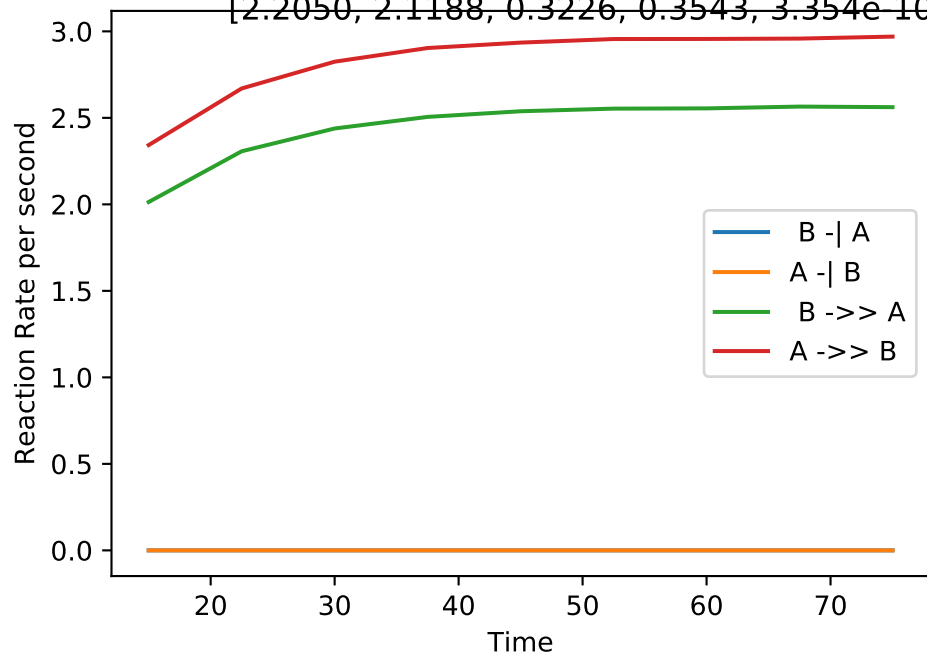
No_up | MB-LLS No_up(#294):

[2.0739, 2.1707, 0.3384, 0.1638, 8.695e-10, 1.947e-09, 0.0894, 0.1931, 0.1063, 0.0000]



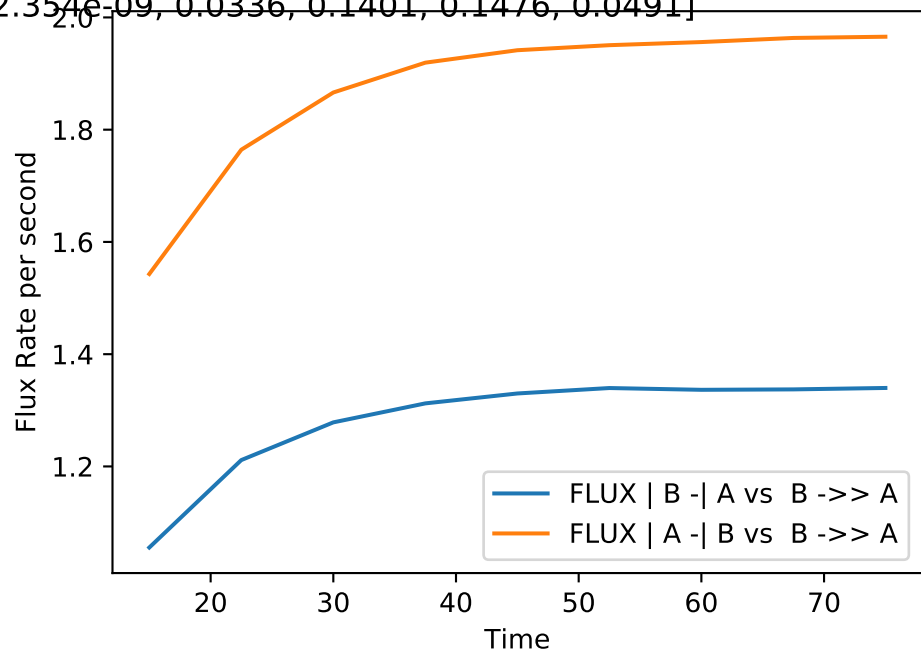
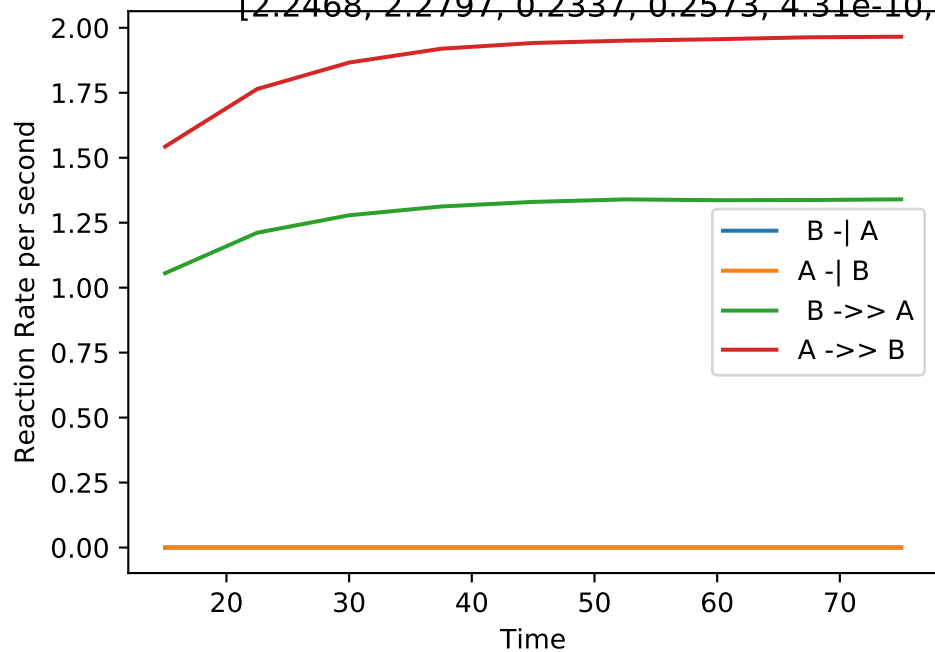
No_up | MB-LLS No_up(#295):

[2.2050, 2.1188, 0.3226, 0.3543, 3.354e-10, 1.058e-09, 0.0639, 0.1978, 0.2211, 0.0743]



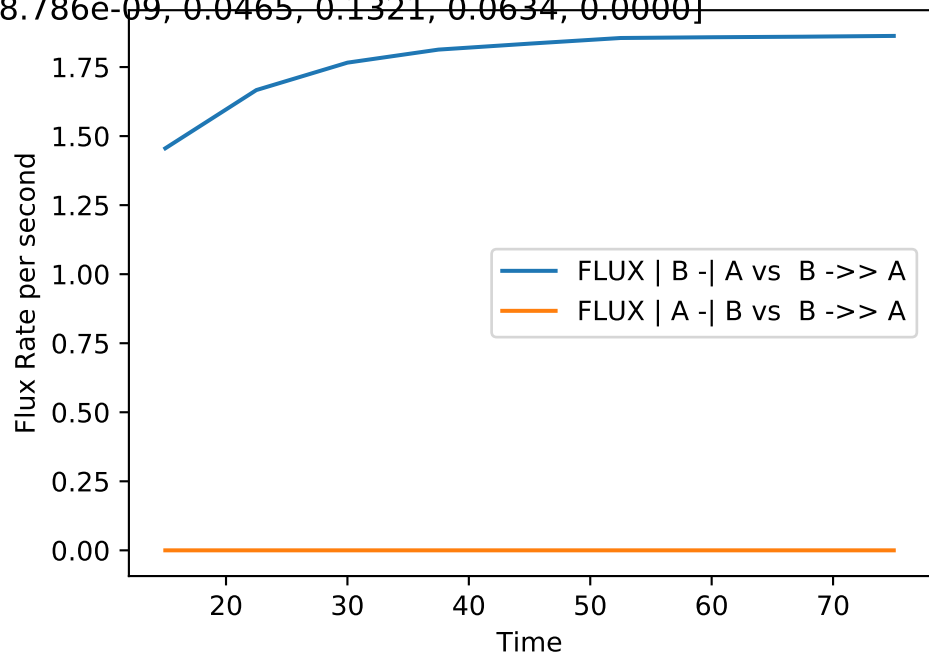
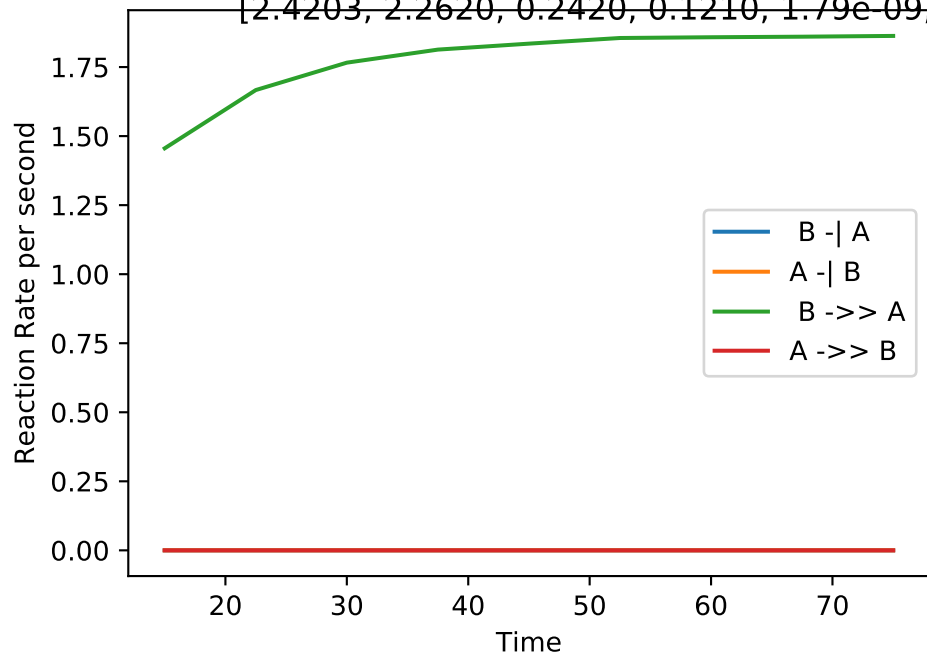
No_up | MB-LLS No_up(#296):

[2.2468, 2.2797, 0.2337, 0.2573, 4.31e-10, 2.354e-09, 0.0336, 0.1401, 0.1476, 0.0491]



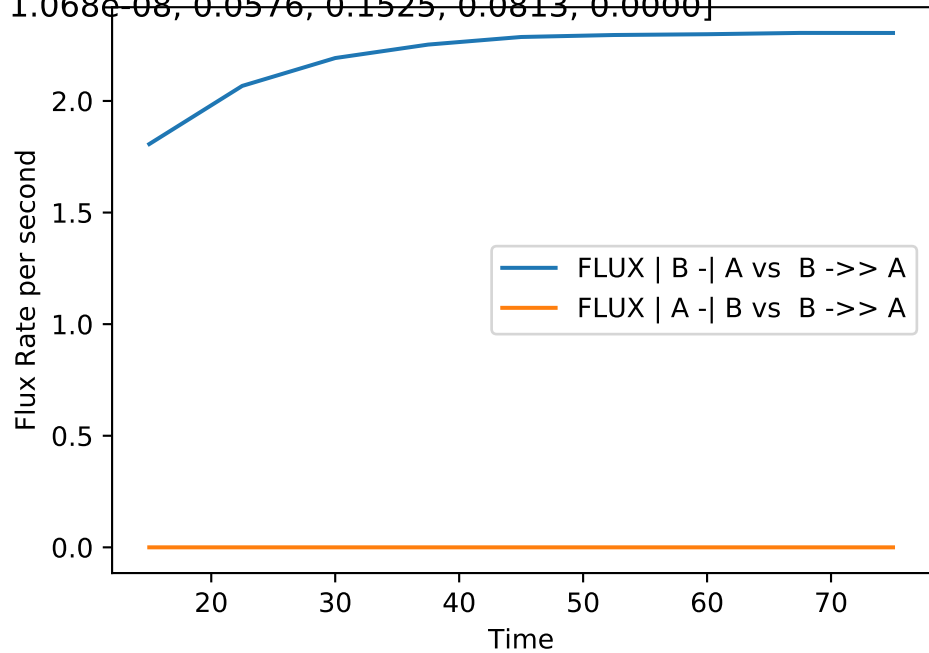
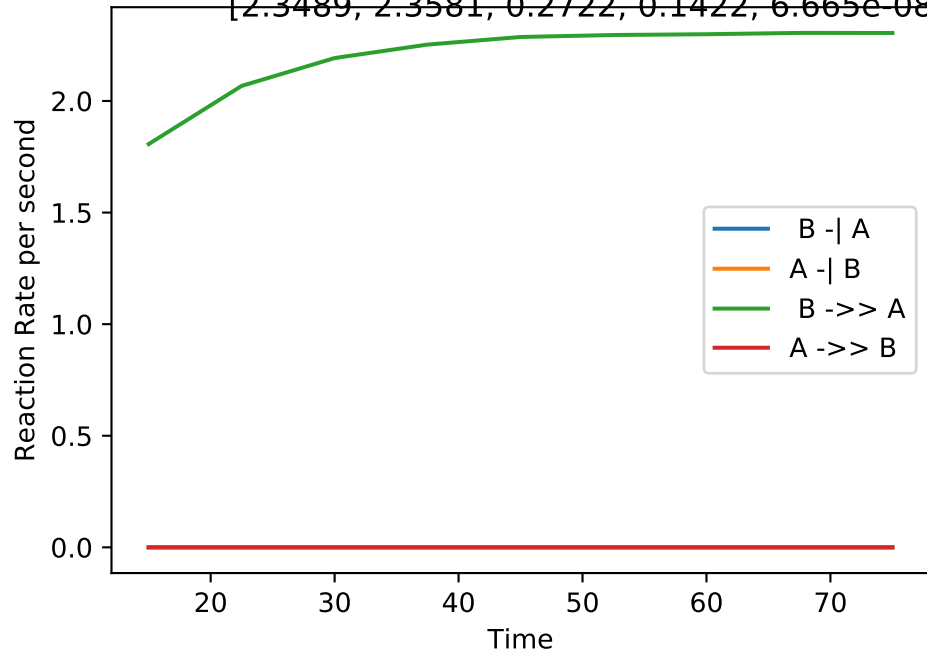
No_up | MB-LLS No_up(#297):

[2.4203, 2.2620, 0.2420, 0.1210, 1.79e-09, 8.786e-09, 0.0465, 0.1321, 0.0634, 0.0000]



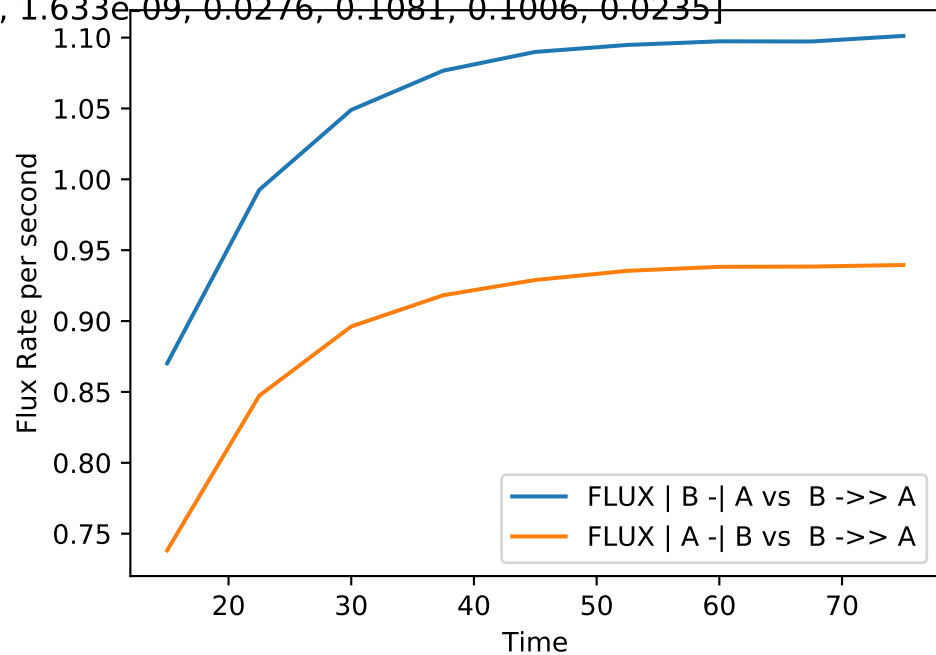
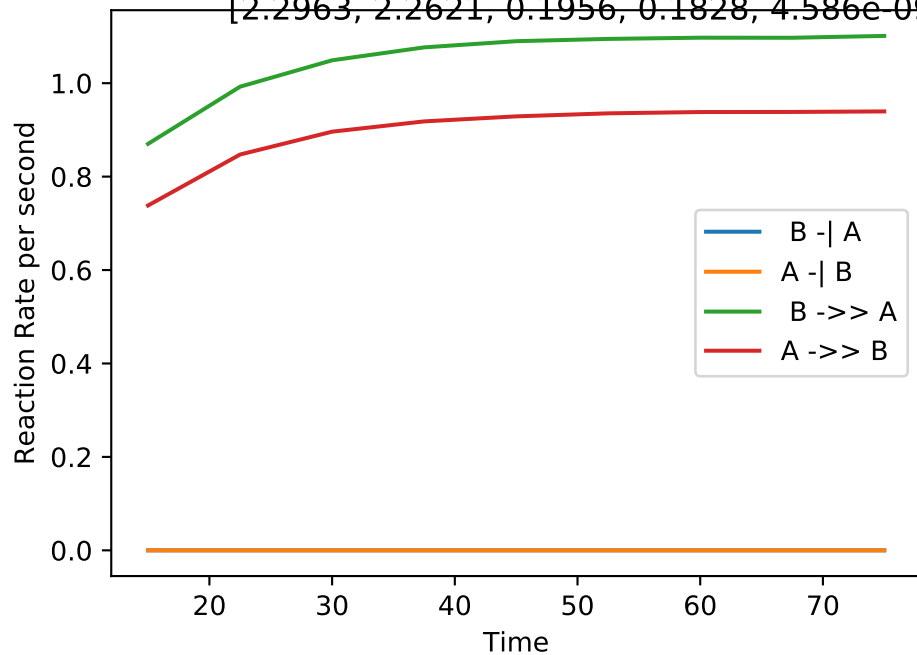
No_up | MB-LLS No_up(#298):

[2.3489, 2.3581, 0.2722, 0.1422, 6.665e-08, 1.068e-08, 0.0576, 0.1525, 0.0813, 0.0000]



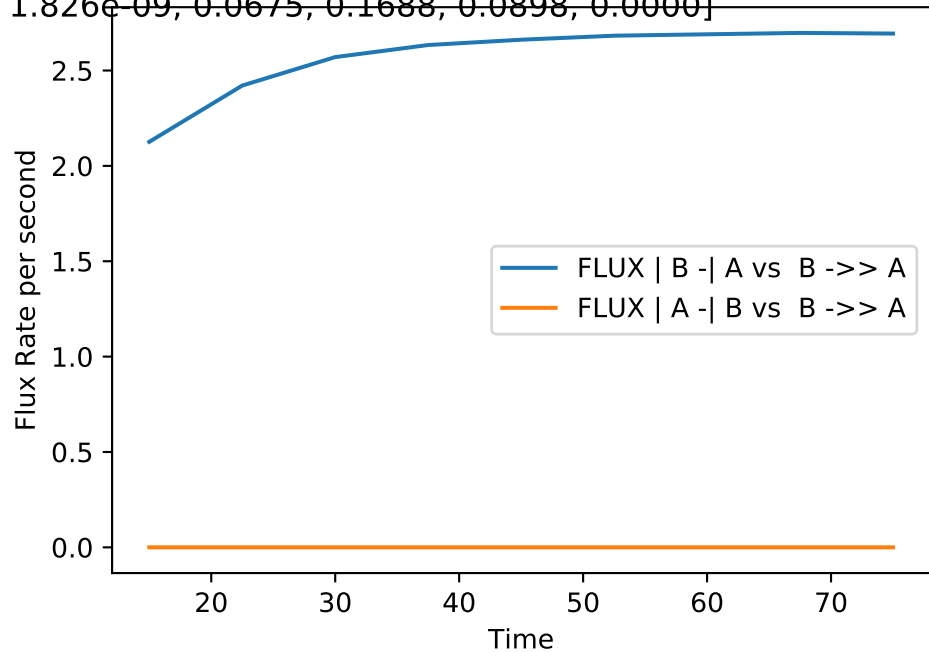
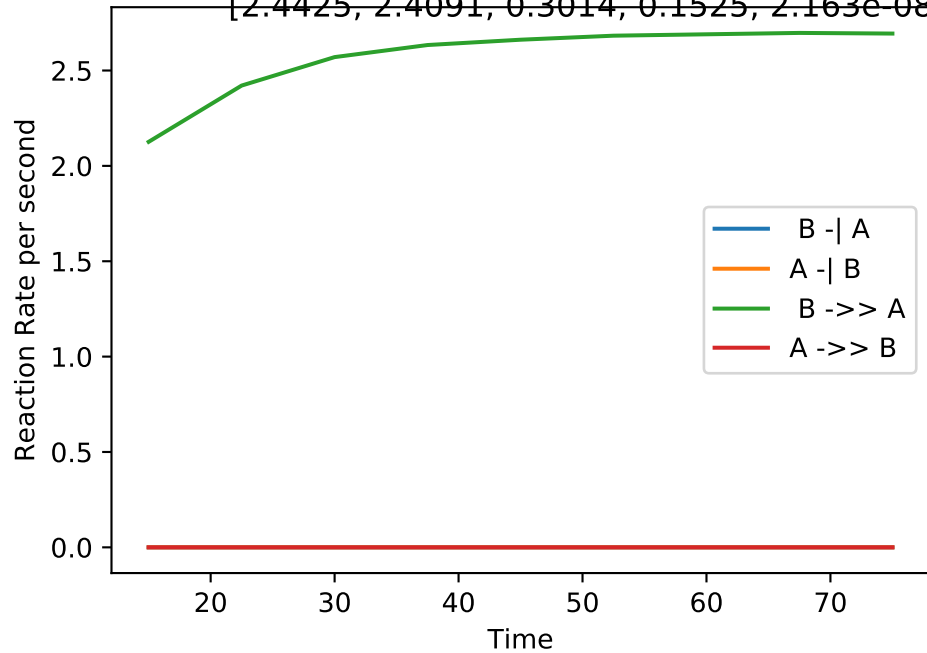
No_up | MB-LLS No_up(#299):

[2.2963, 2.2621, 0.1956, 0.1828, 4.586e-09, 1.633e-09, 0.0276, 0.1081, 0.1006, 0.0235]



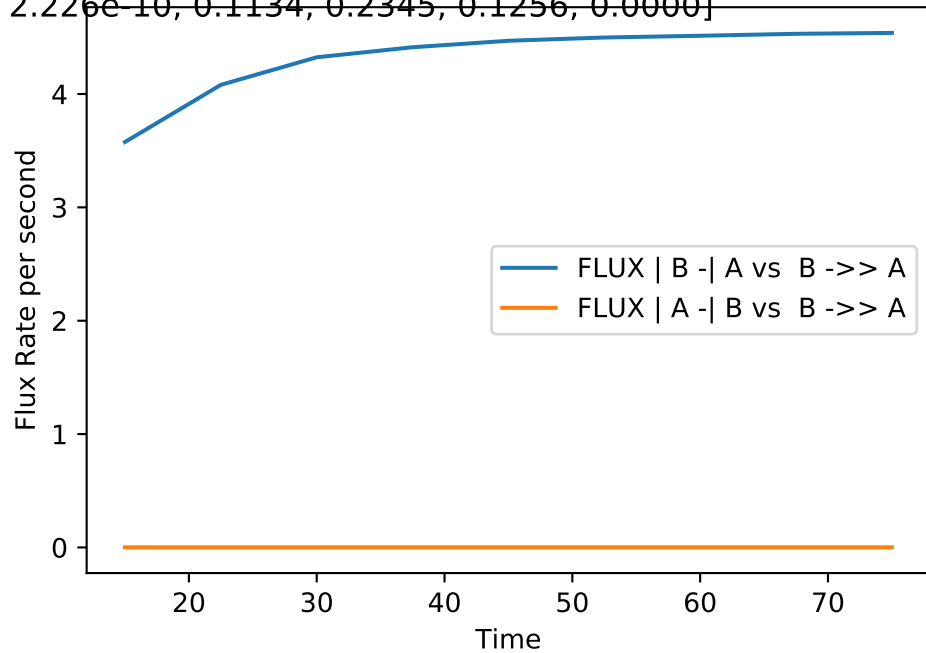
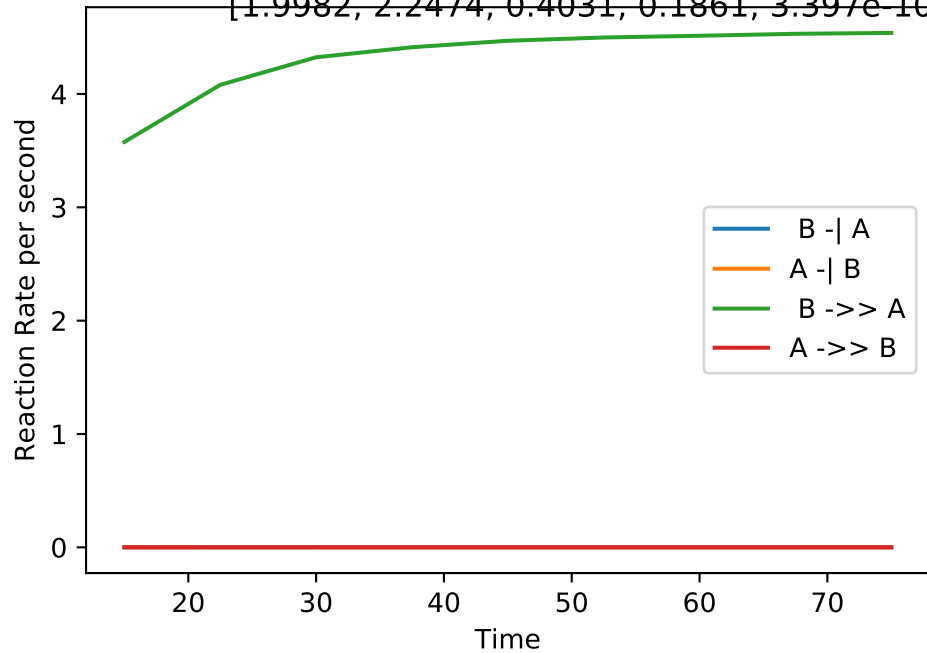
No_up | MB-LLS No_up(#300):

[2.4425, 2.4091, 0.3014, 0.1525, 2.163e-08, 1.826e-09, 0.0675, 0.1688, 0.0898, 0.0000]



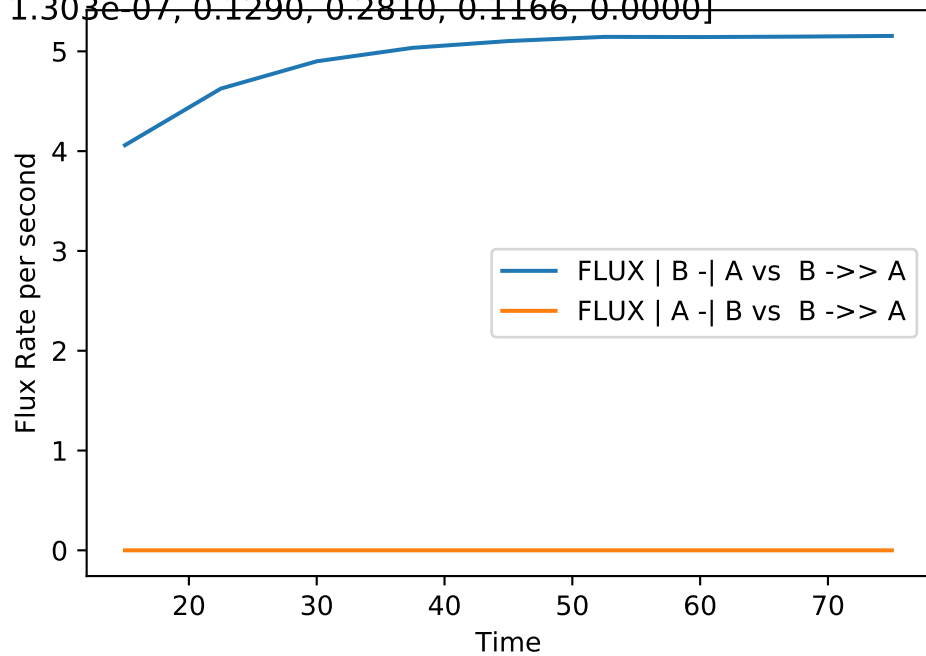
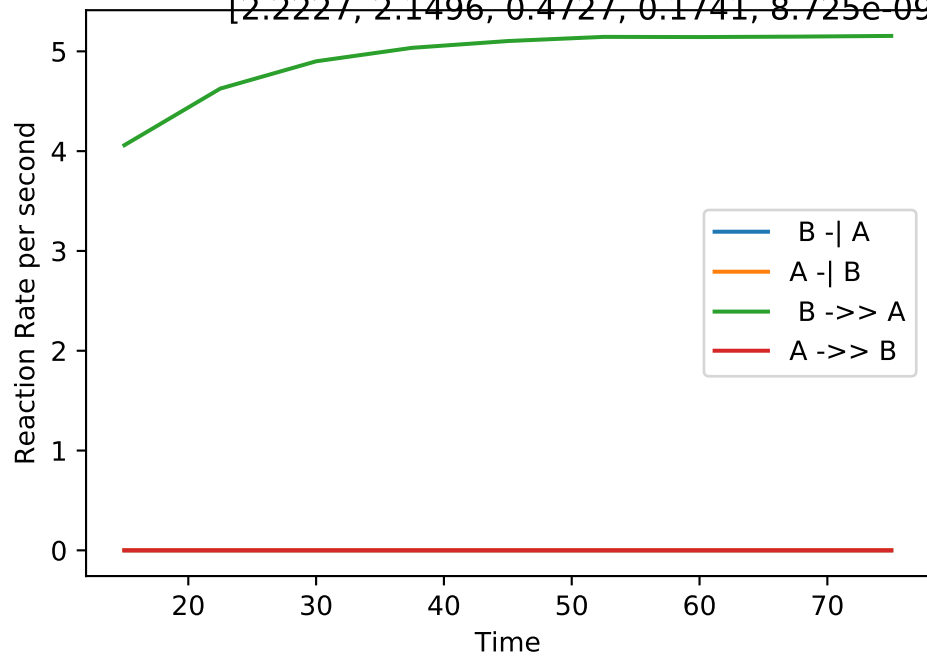
No_up | MB-LLS No_up(#301):

[1.9982, 2.2474, 0.4031, 0.1861, 3.397e-10, 2.226e-10, 0.1134, 0.2345, 0.1256, 0.0000]



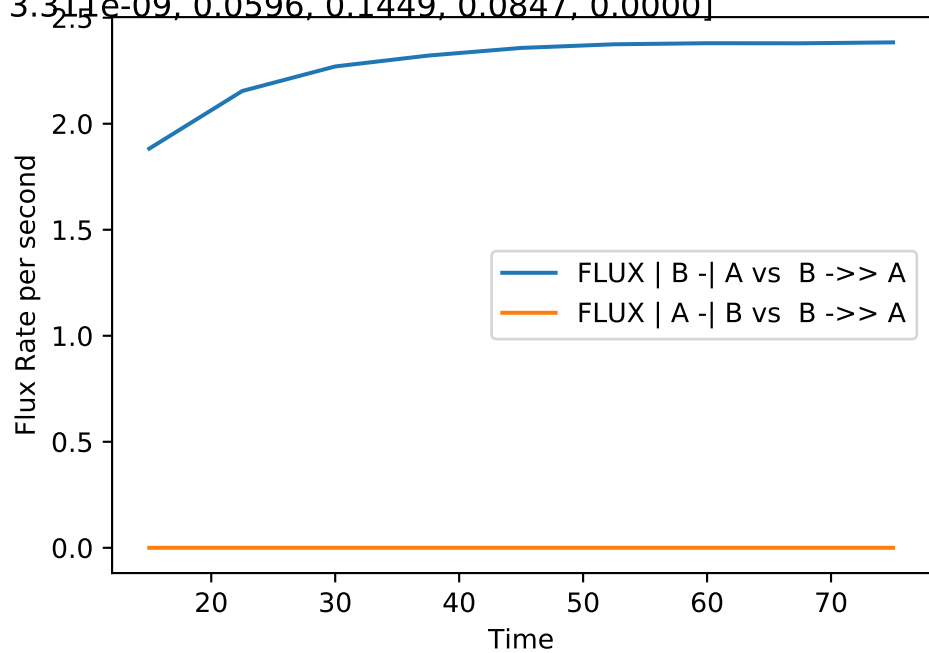
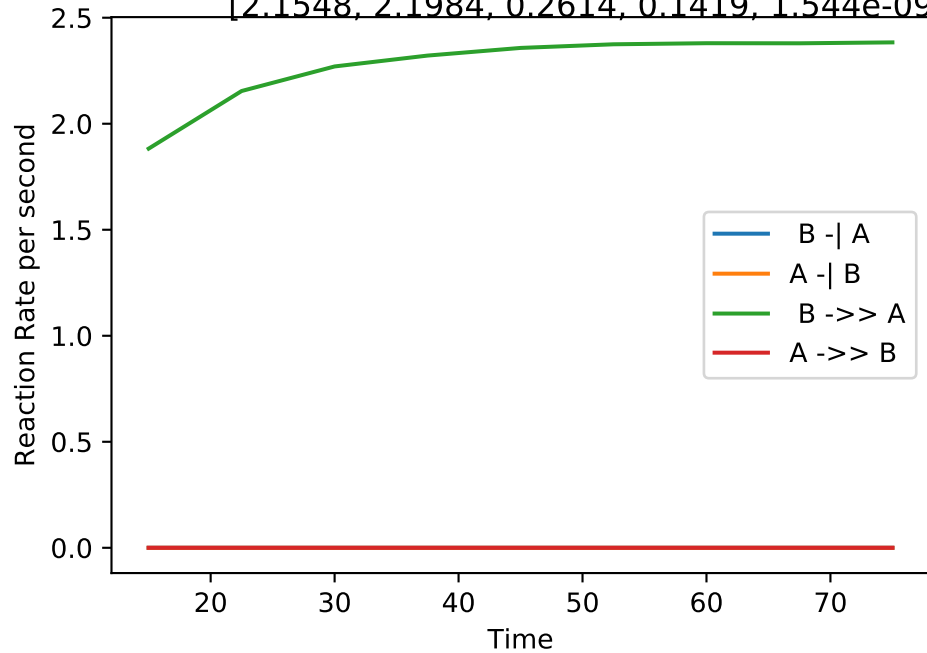
No_up | MB-LLS No_up(#302):

[2.2227, 2.1496, 0.4727, 0.1741, 8.725e-09, 1.303e-07, 0.1290, 0.2810, 0.1166, 0.0000]



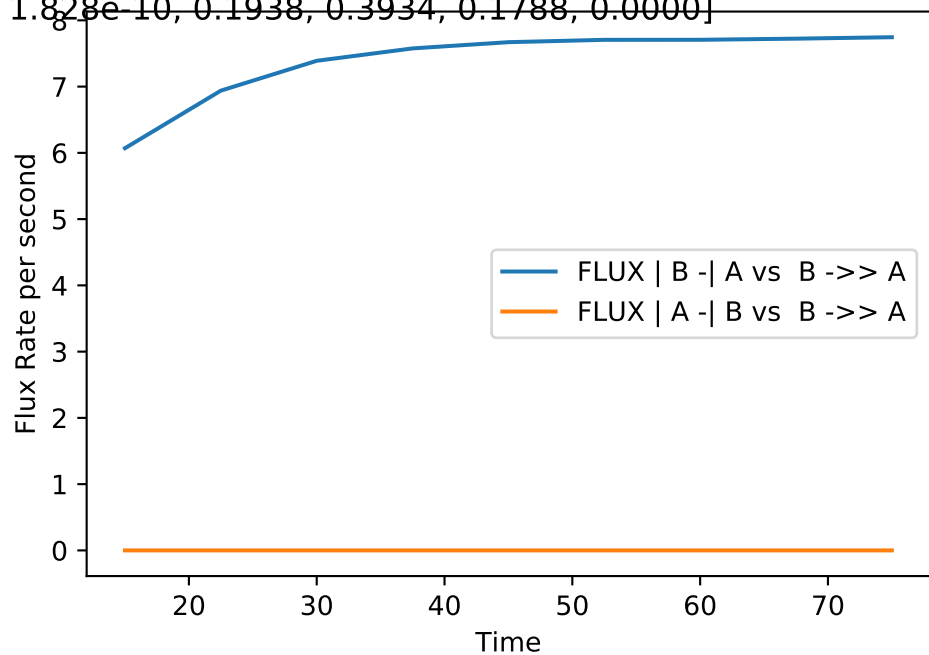
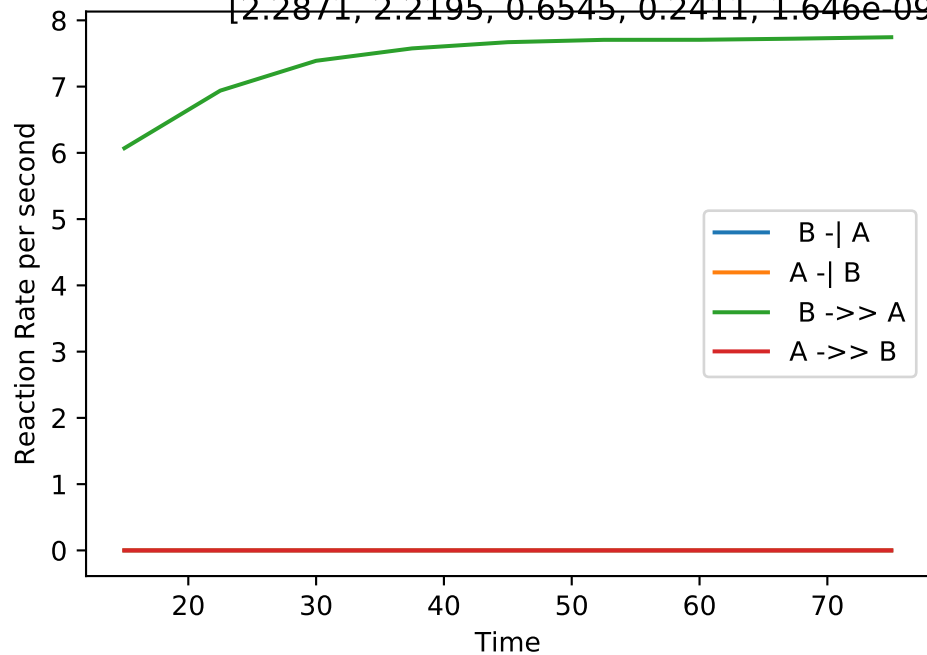
No_up | MB-LLS No_up(#303):

[2.1548, 2.1984, 0.2614, 0.1419, 1.544e-09, 3.311e-09, 0.0596, 0.1449, 0.0847, 0.0000]



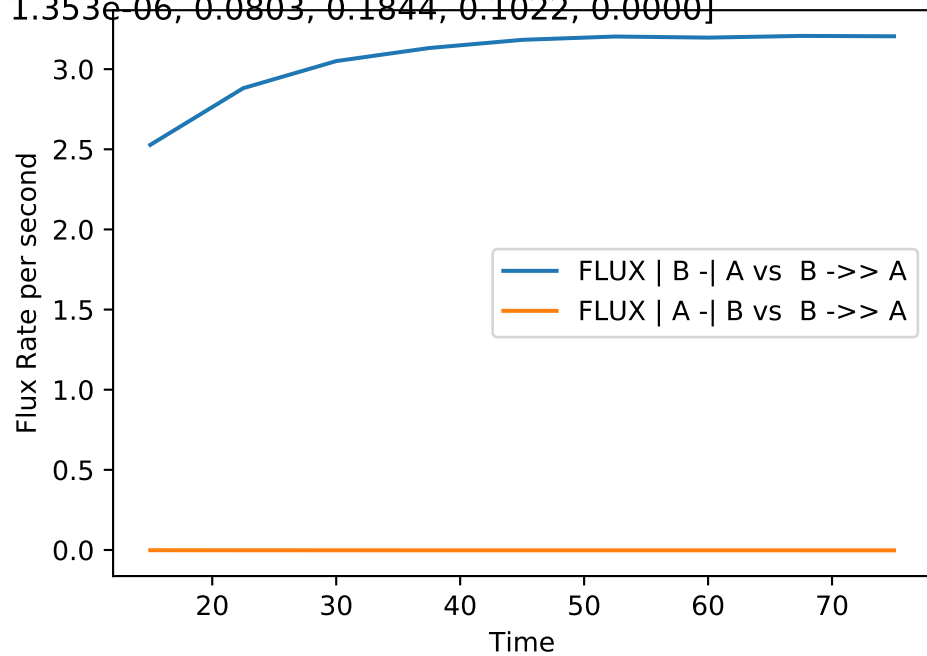
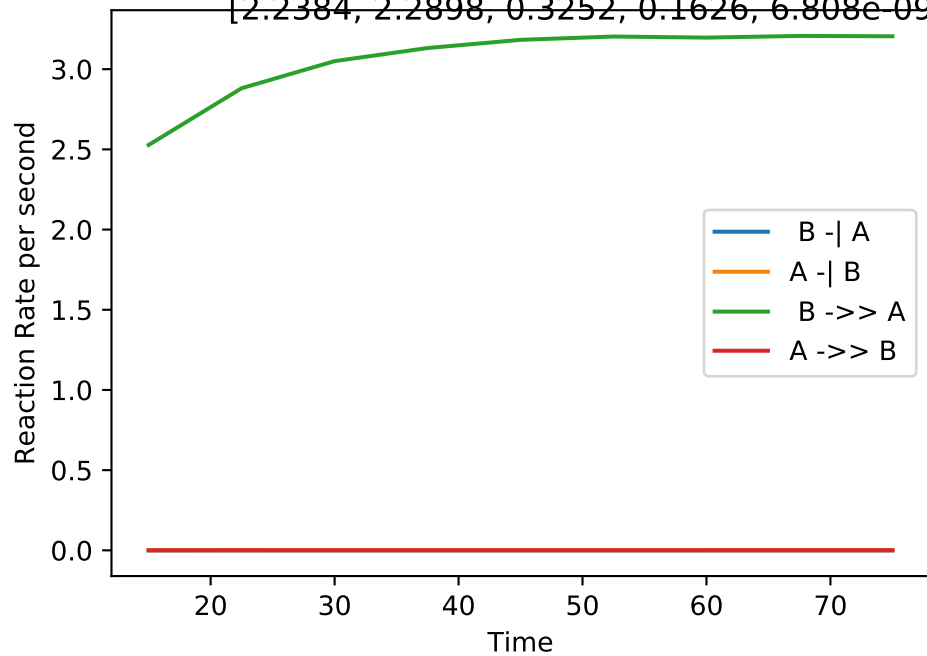
No_up | MB-LLS No_up(#304):

[2.2871, 2.2195, 0.6545, 0.2411, 1.646e-09, 1.828e-10, 0.1938, 0.3934, 0.1788, 0.0000]



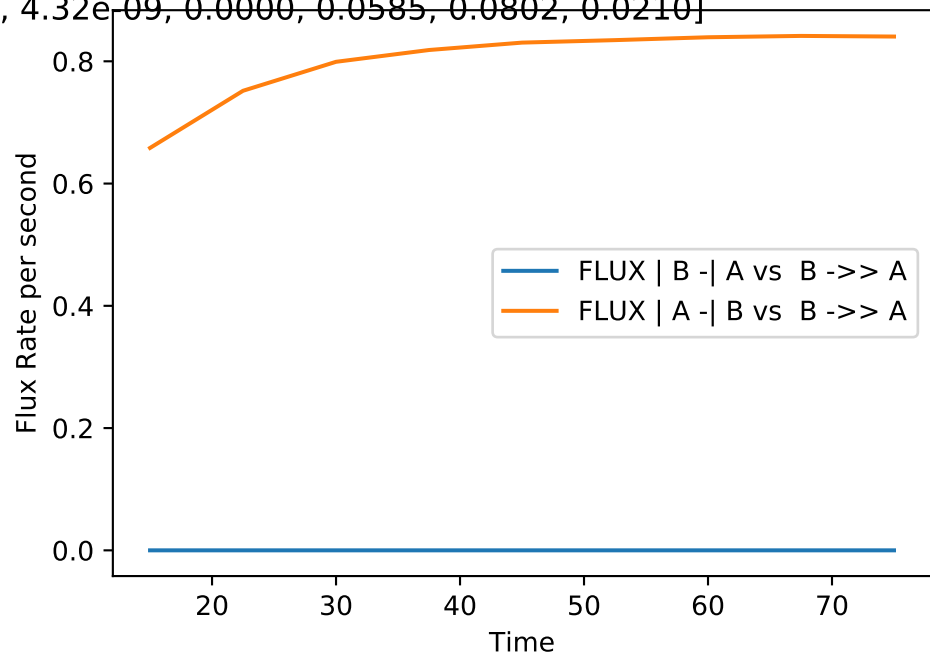
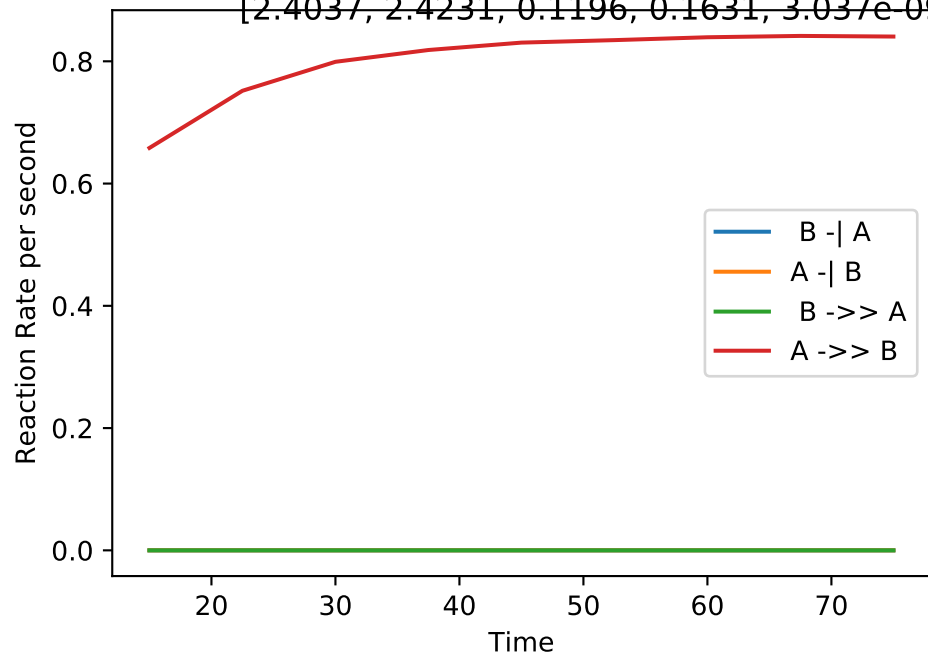
No_up | MB-LLS No_up(#305):

[2.2384, 2.2898, 0.3252, 0.1626, 6.808e-09, 1.353e-06, 0.0803, 0.1844, 0.1022, 0.0000]



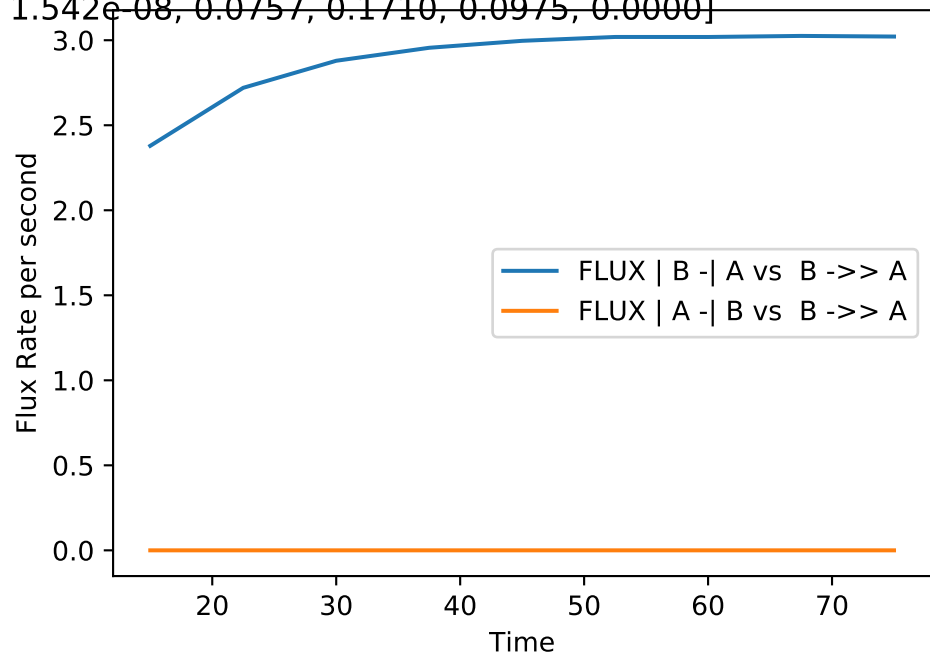
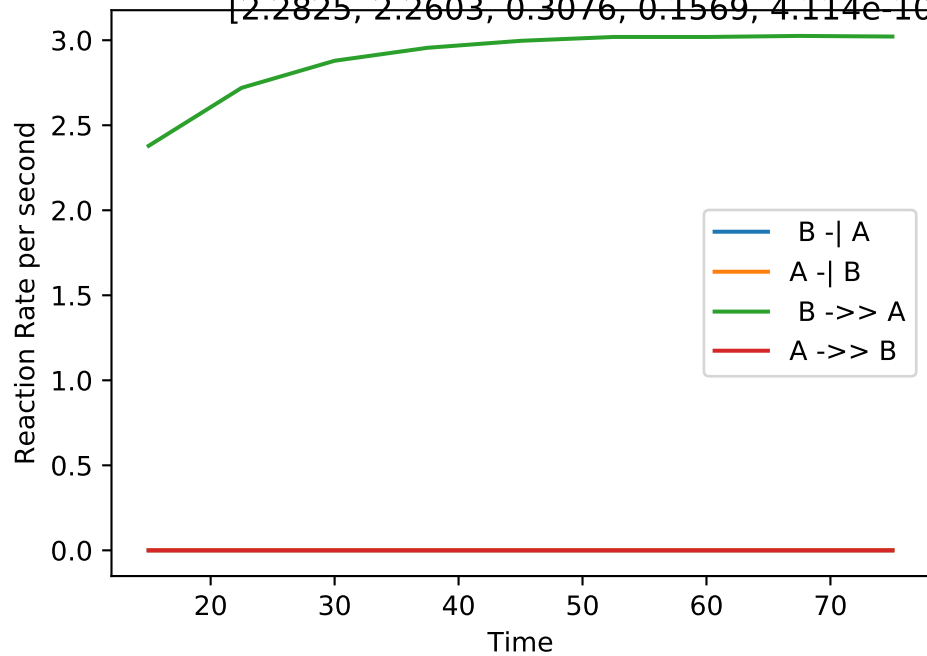
No_up | MB-LLS No_up(#306):

[2.4037, 2.4231, 0.1196, 0.1631, 3.037e-09, 4.32e-09, 0.0000, 0.0585, 0.0802, 0.0210]



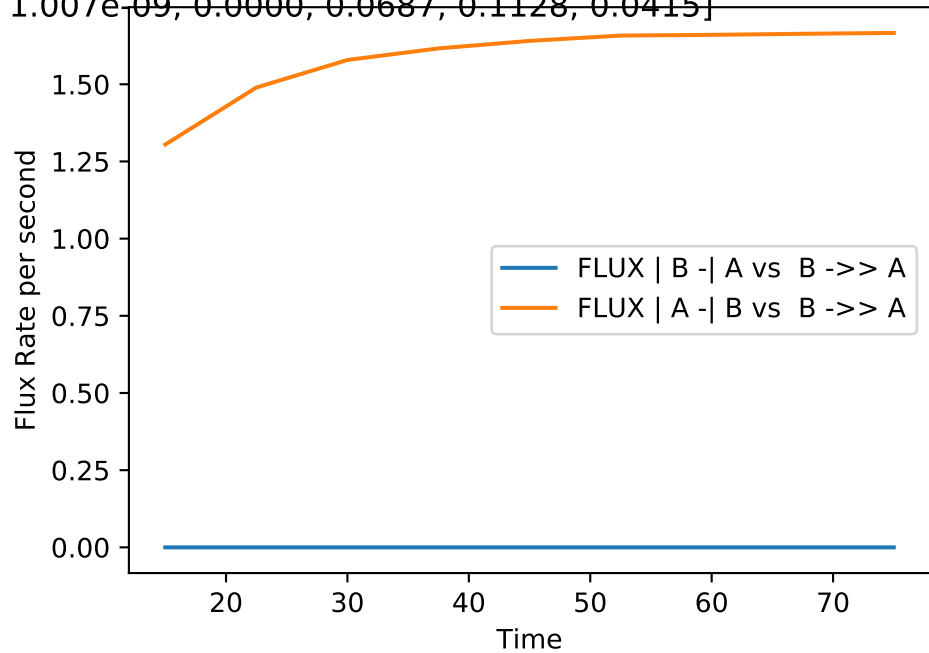
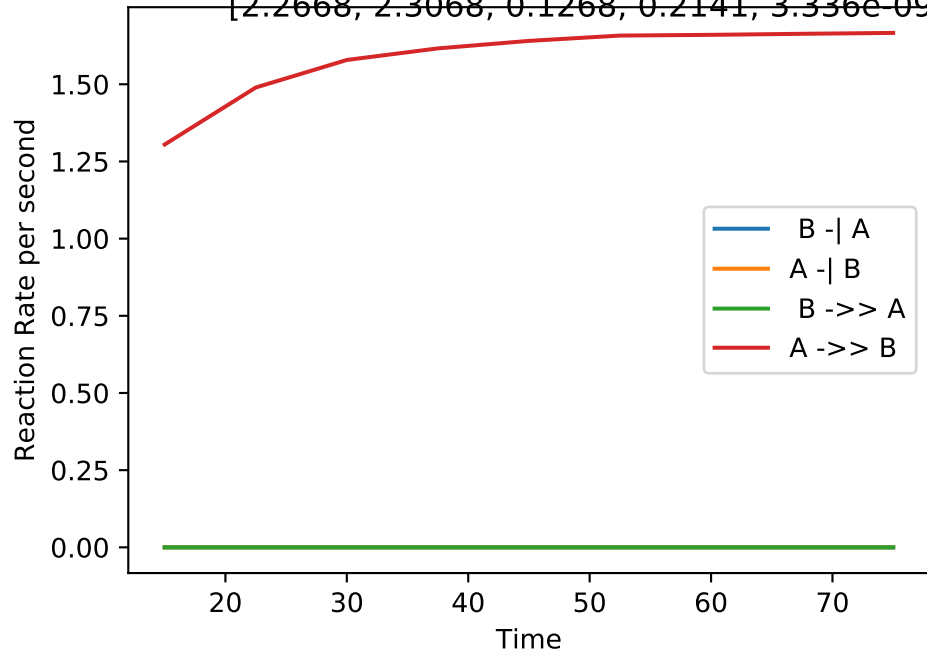
No_up | MB-LLS No_up(#307):

[2.2825, 2.2603, 0.3076, 0.1569, 4.114e-10, 1.542e-08, 0.0757, 0.1710, 0.0975, 0.0000]



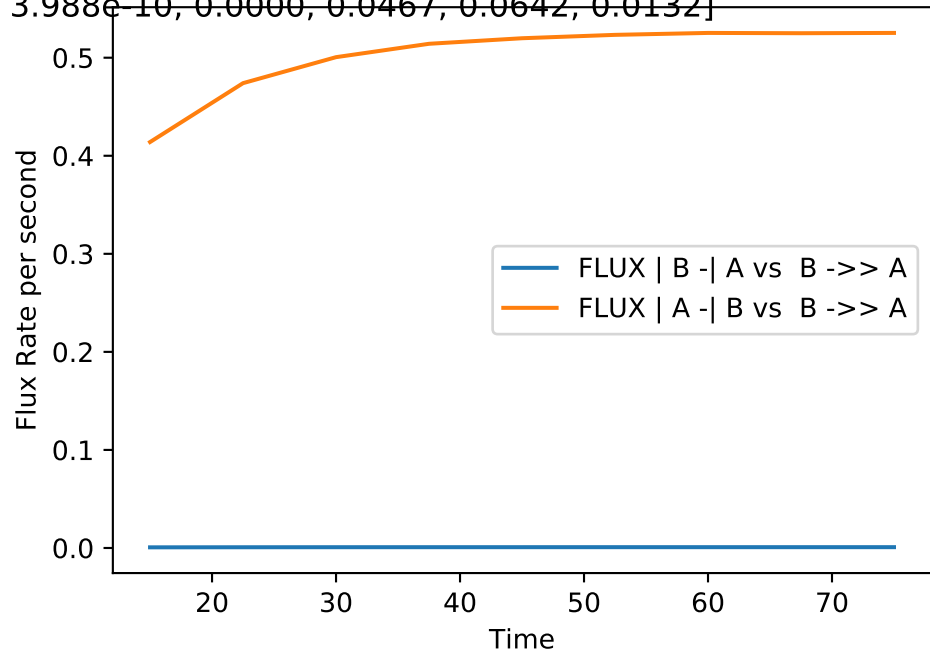
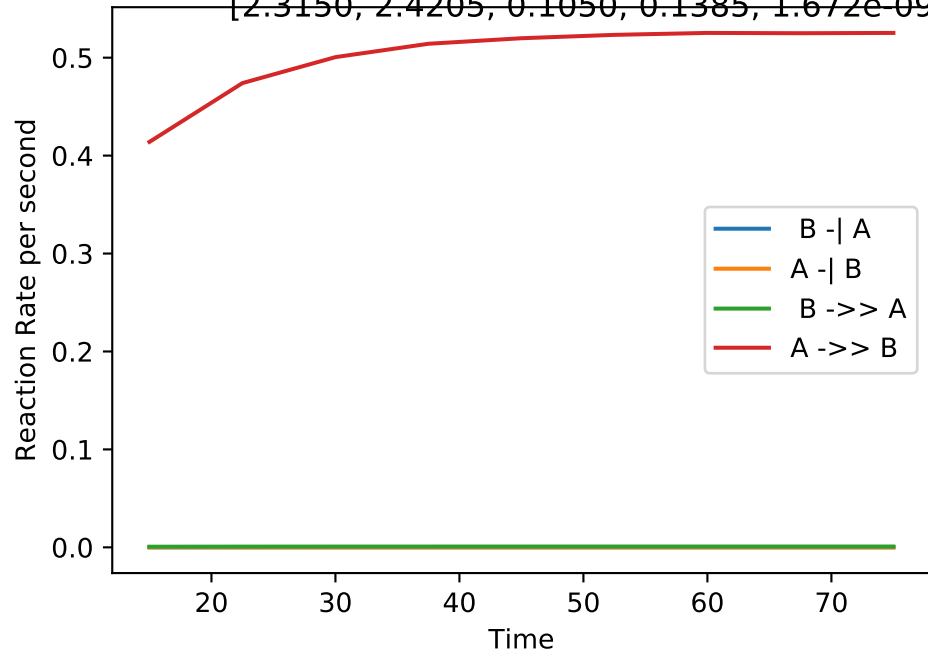
No_up | MB-LLS No_up(#308):

[2.2668, 2.3068, 0.1268, 0.2141, 3.336e-09, 1.007e-09, 0.0000, 0.0687, 0.1128, 0.0415]



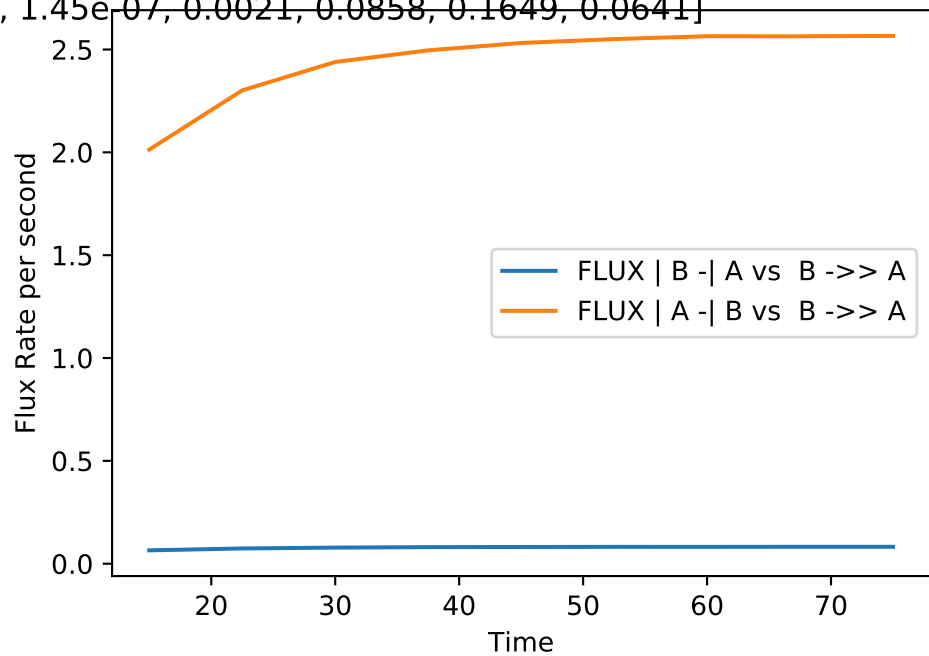
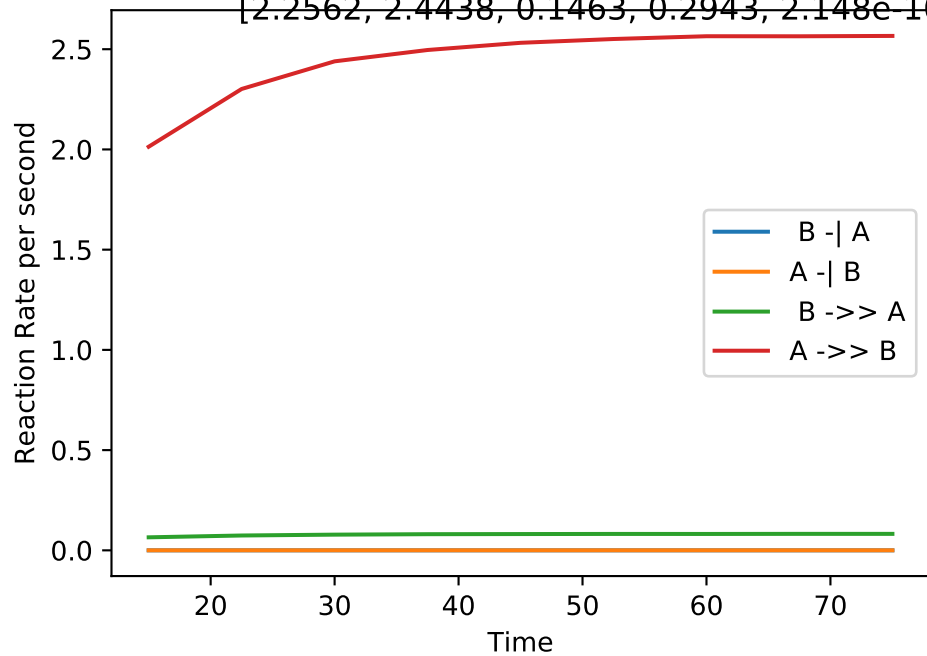
No_up | MB-LLS No_up(#309):

[2.3150, 2.4205, 0.1050, 0.1385, 1.672e-09, 3.988e-10, 0.0000, 0.0467, 0.0642, 0.0132]



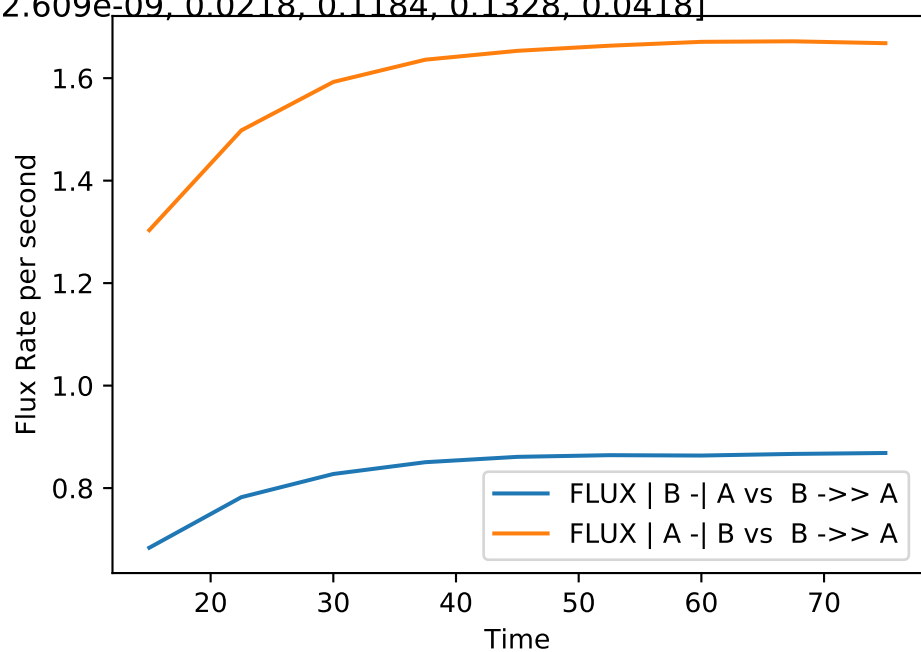
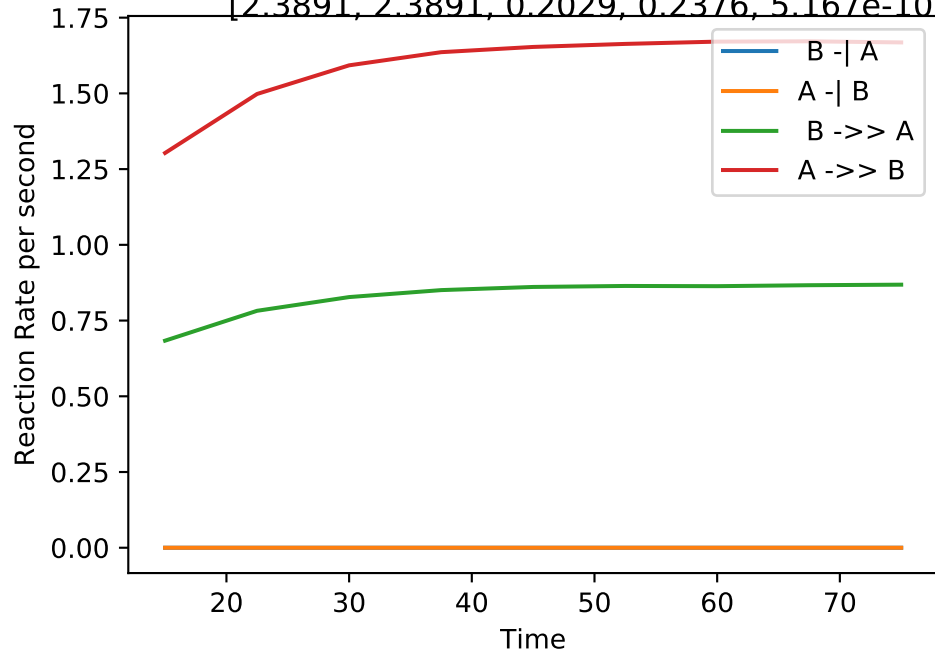
No_up | MB-LLS No_up(#310):

[2.2562, 2.4438, 0.1463, 0.2943, 2.148e-10, 1.45e-07, 0.0021, 0.0858, 0.1649, 0.0641]



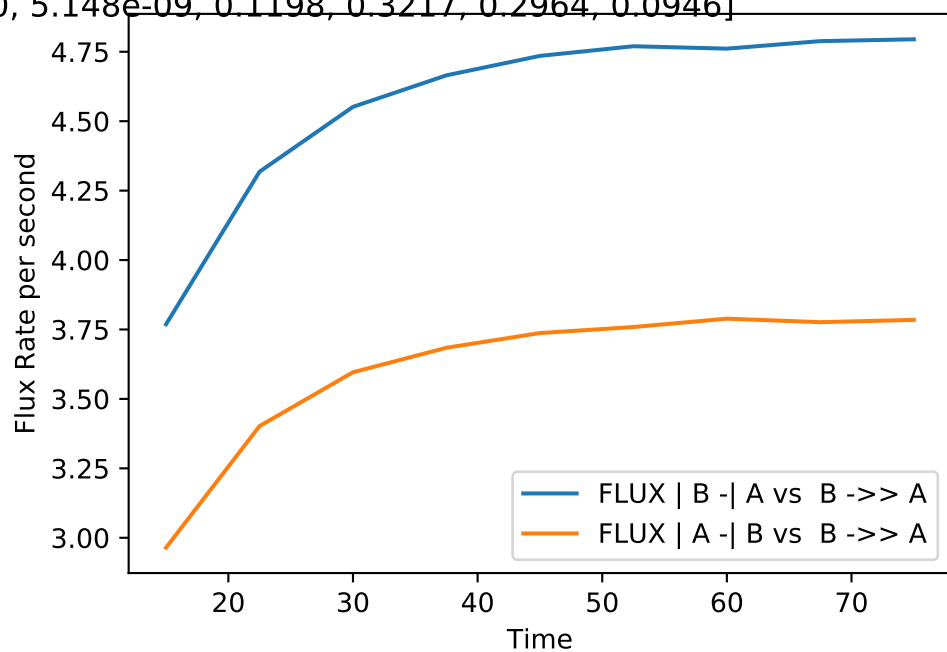
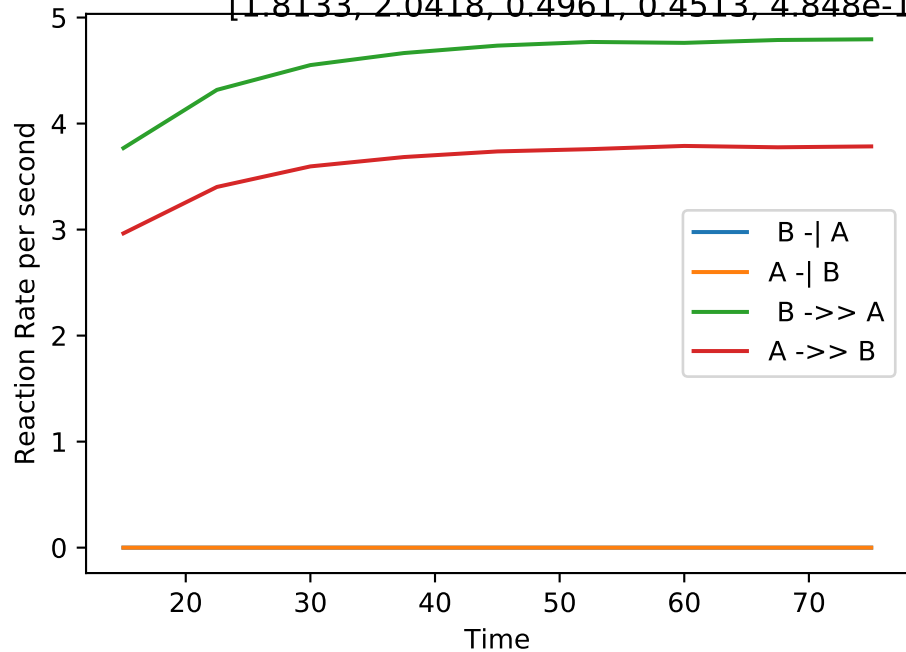
No_up | MB-LLS No_up(#311):

[2.3891, 2.3891, 0.2029, 0.2376, 5.167e-10, 2.609e-09, 0.0218, 0.1184, 0.1328, 0.0418]



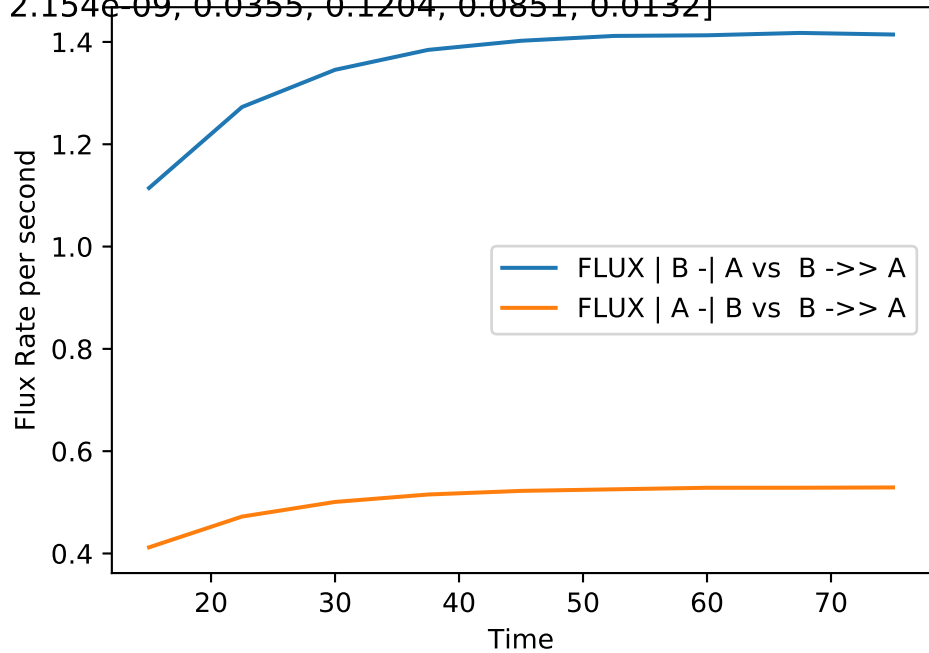
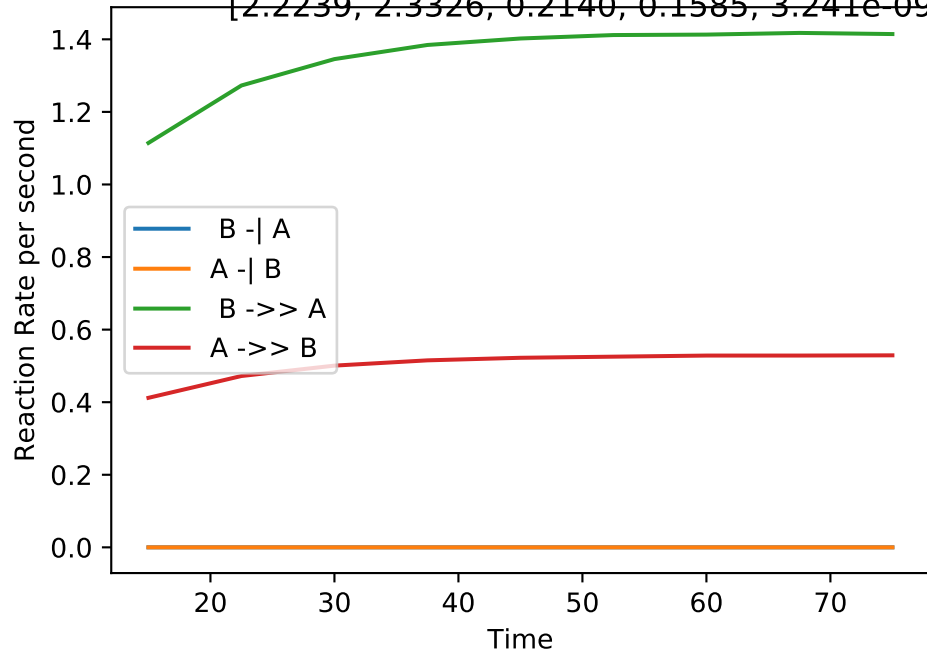
No_up | MB-LLS No_up(#312):

[1.8133, 2.0418, 0.4961, 0.4513, 4.848e-10, 5.148e-09, 0.1198, 0.3217, 0.2964, 0.0946]



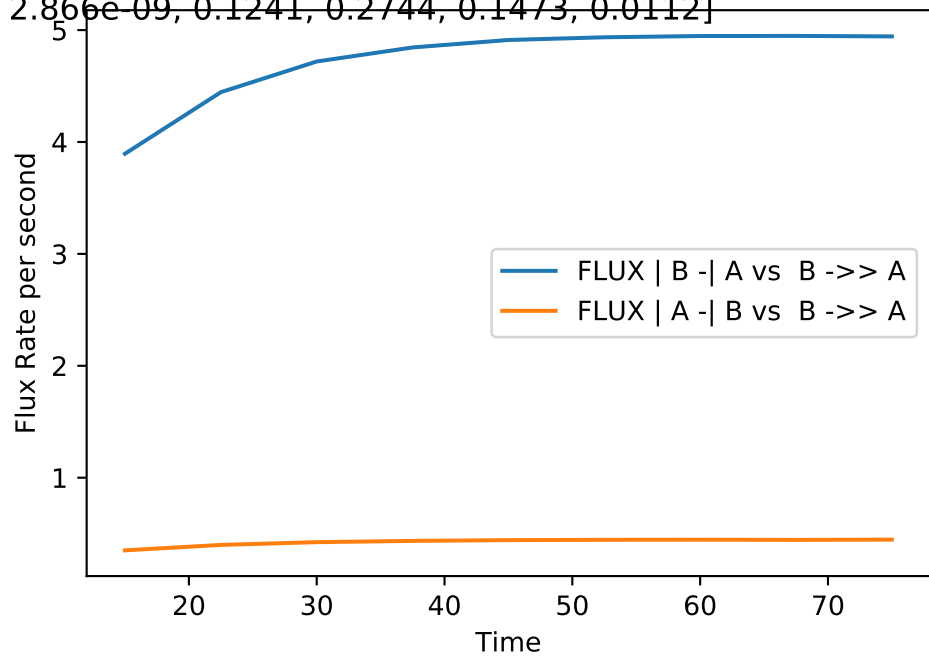
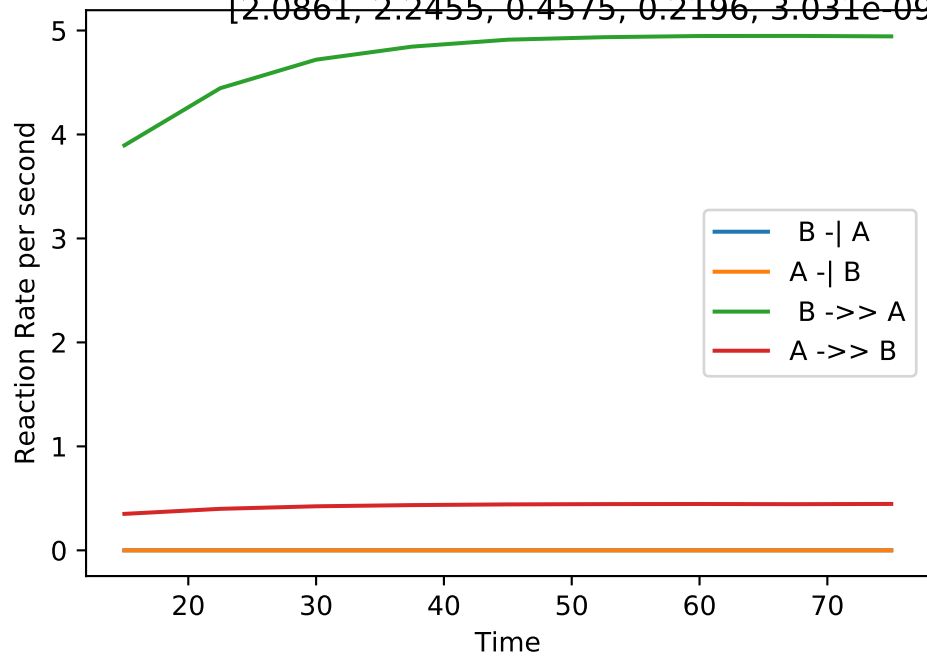
No_up | MB-LLS No_up(#313):

[2.2239, 2.3326, 0.2140, 0.1585, 3.241e-09, 2.154e-09, 0.0355, 0.1204, 0.0851, 0.0132]



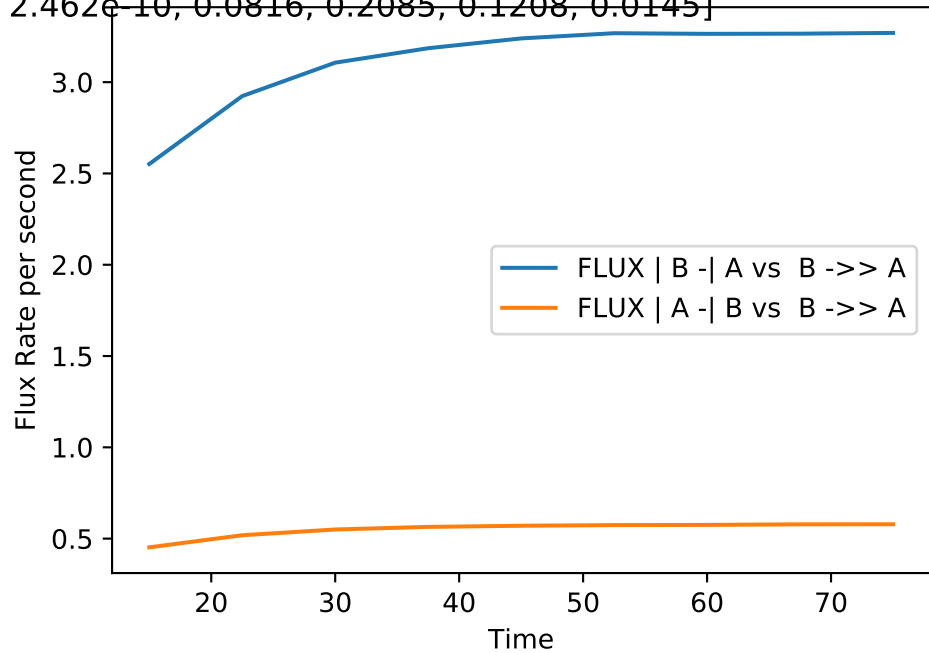
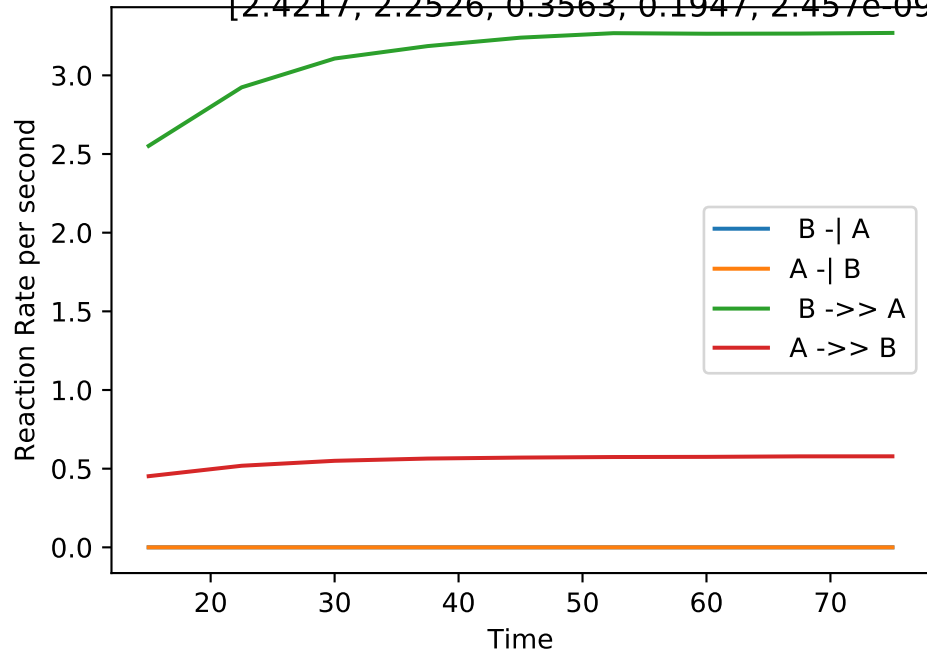
No_up | MB-LLS No_up(#314):

[2.0861, 2.2455, 0.4575, 0.2196, 3.031e-09, 2.866e-09, 0.1241, 0.2744, 0.1473, 0.0112]



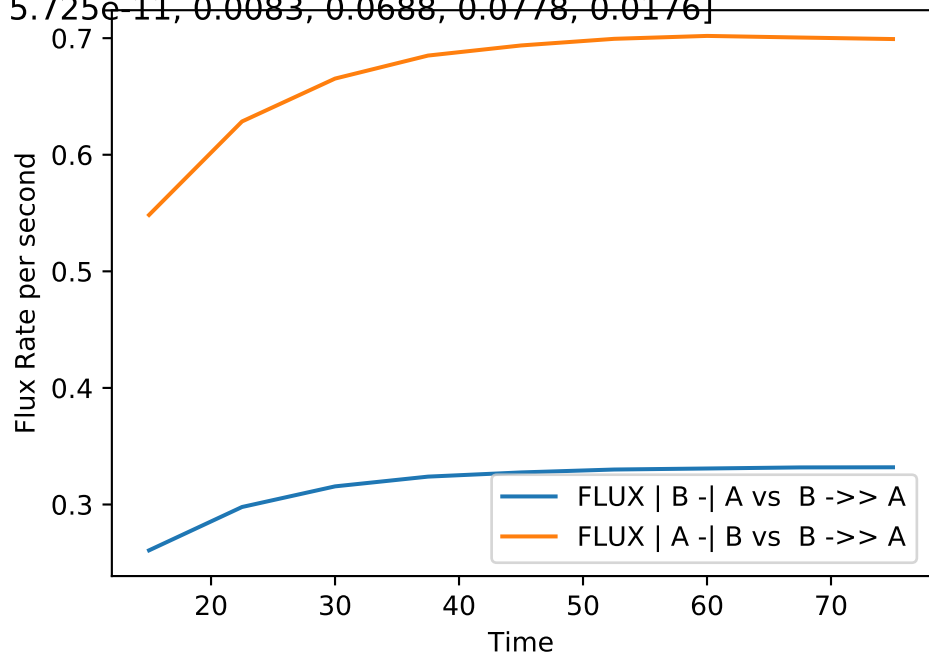
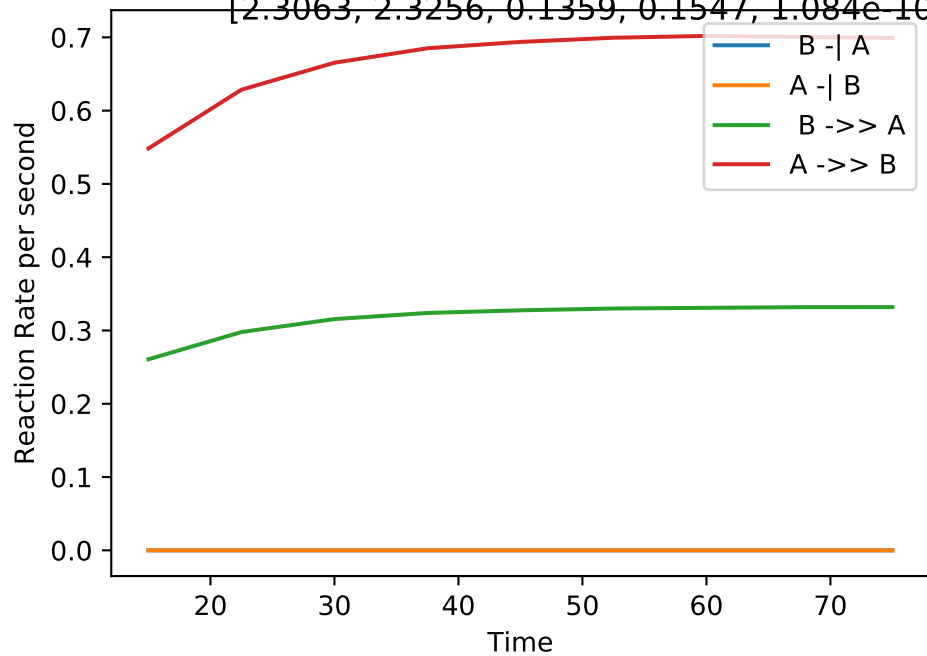
No_up | MB-LLS No_up(#315):

[2.4217, 2.2526, 0.3563, 0.1947, 2.457e-09, 2.462e-10, 0.0816, 0.2085, 0.1208, 0.0145]



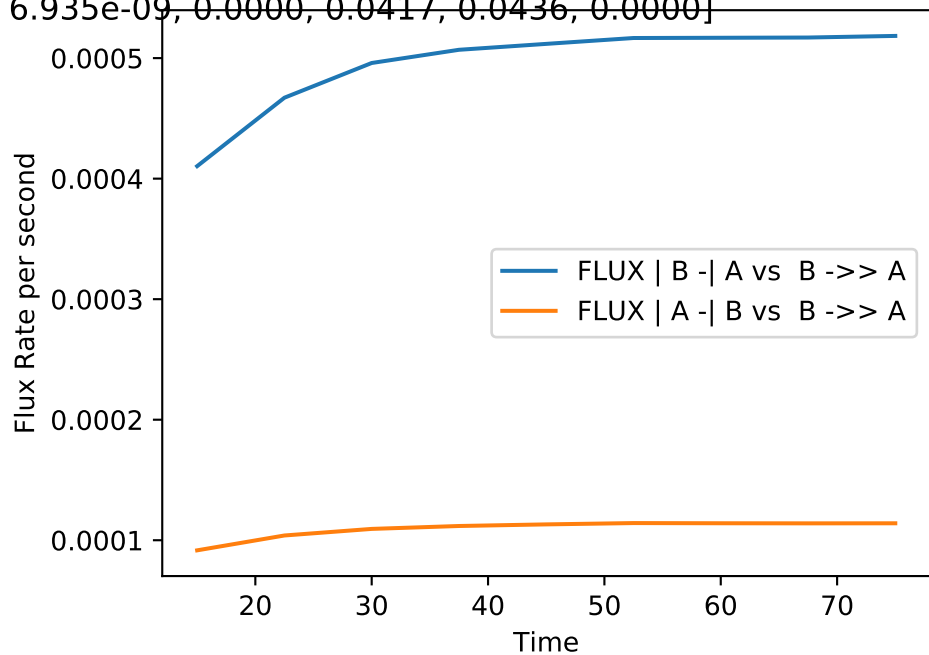
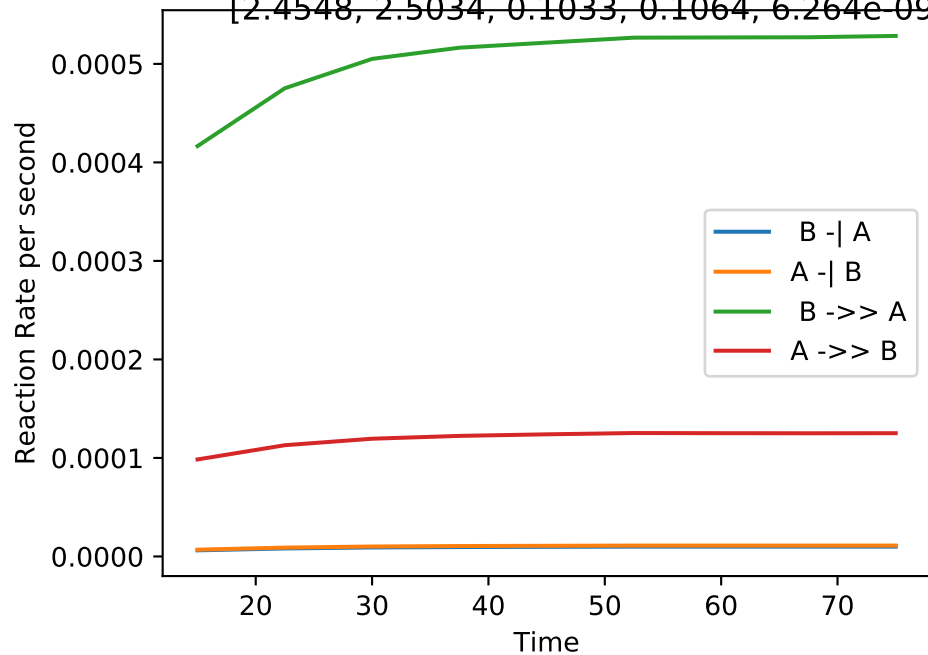
No_up | MB-LLS No_up(#316):

[2.3063, 2.3256, 0.1359, 0.1547, 1.084e-10, 5.725e-11, 0.0083, 0.0688, 0.0778, 0.0176]



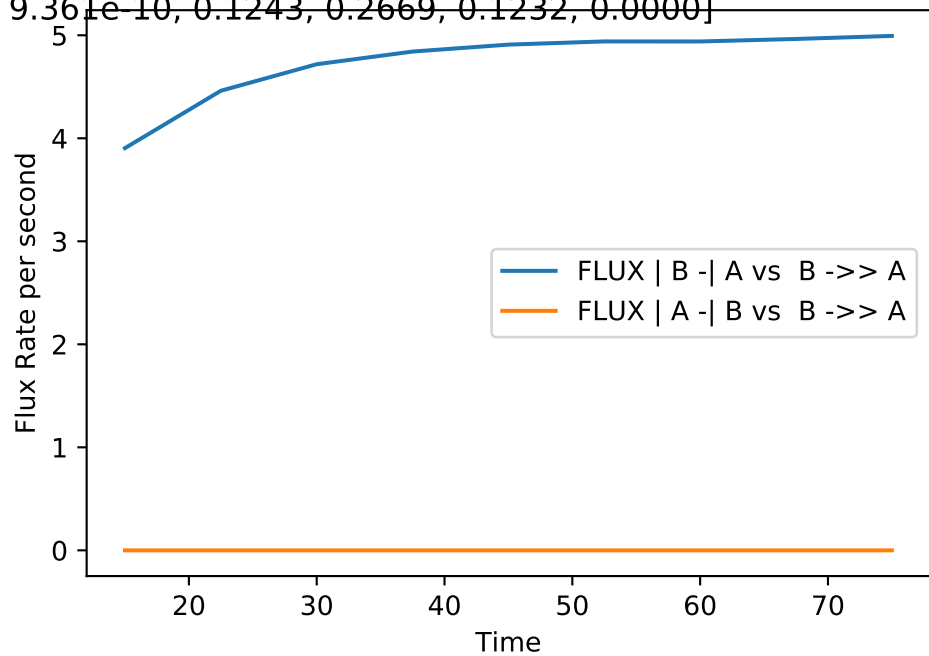
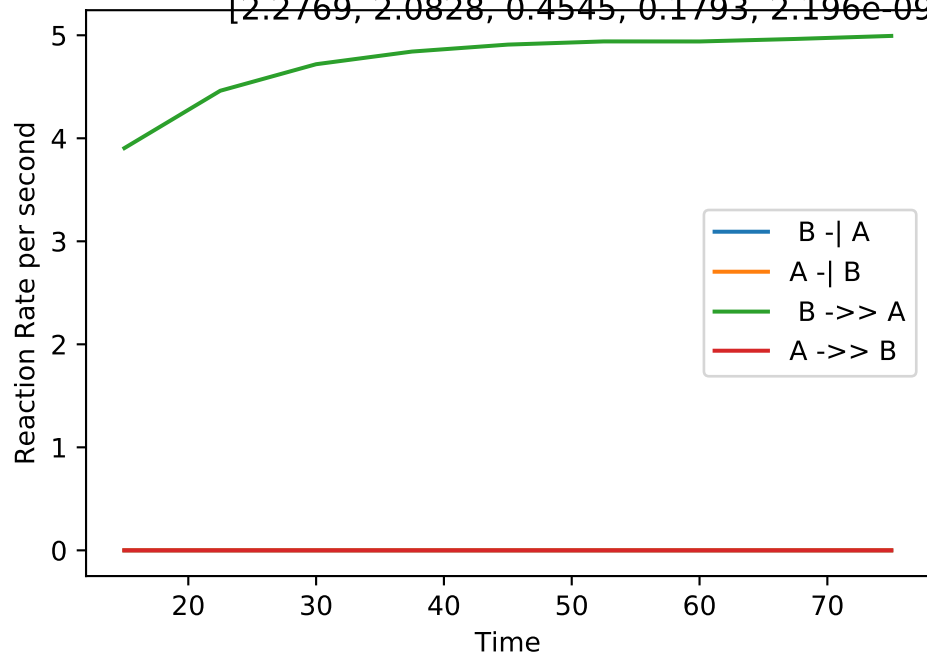
No_up | MB-LLS No_up(#317):

[2.4548, 2.5034, 0.1033, 0.1064, 6.264e-09, 6.935e-09, 0.0000, 0.0417, 0.0436, 0.0000]



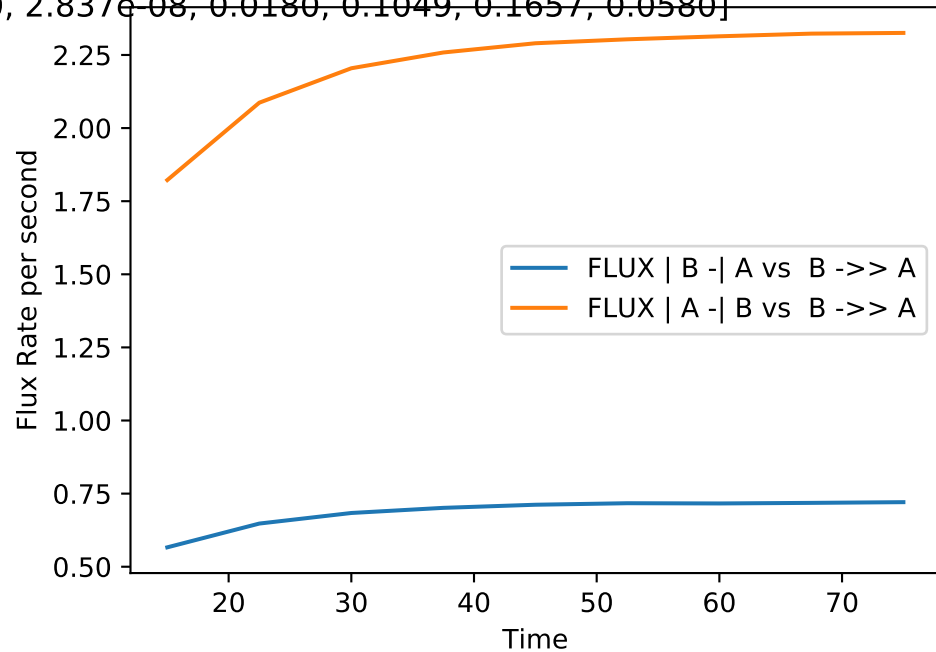
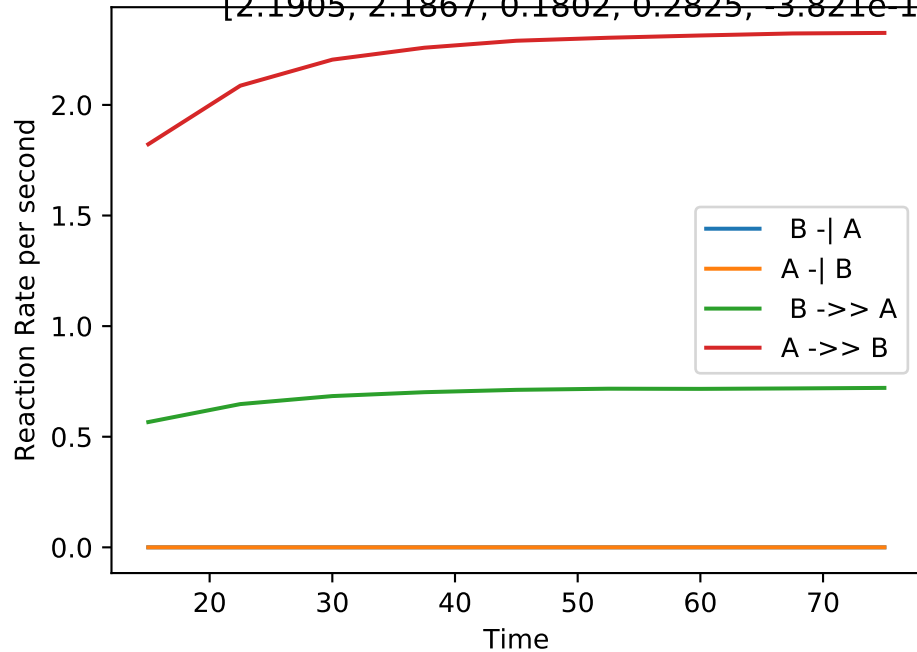
No_up | MB-LLS No_up(#318):

[2.2769, 2.0828, 0.4545, 0.1793, 2.196e-09, 9.361e-10, 0.1243, 0.2669, 0.1232, 0.0000]



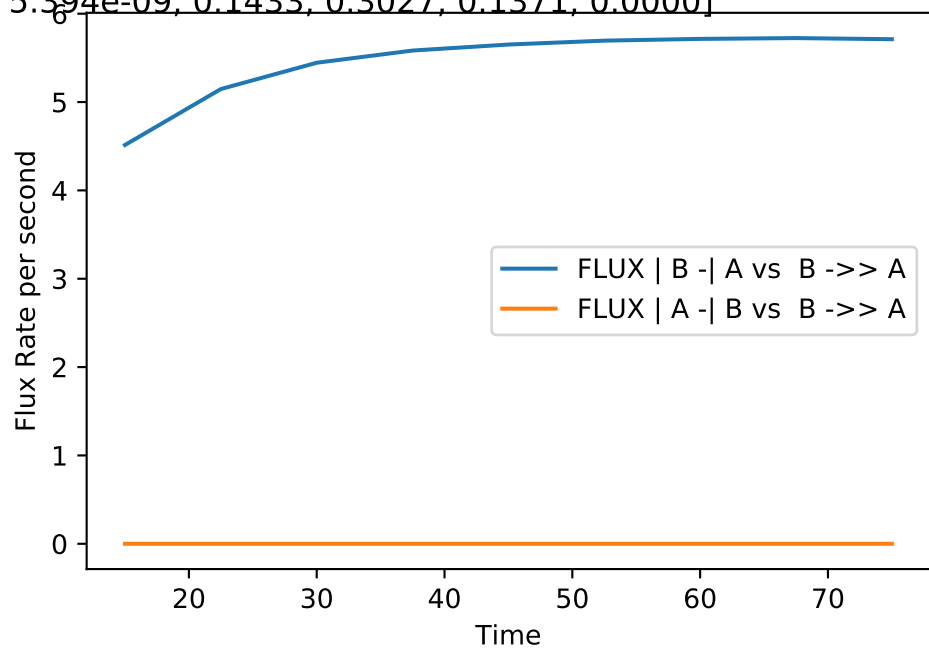
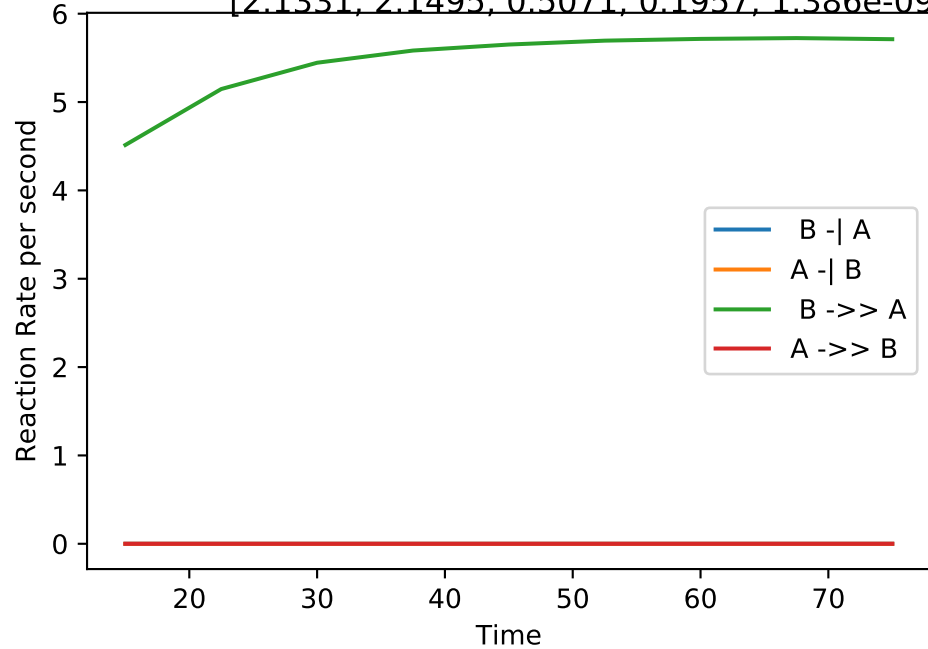
No_up | MB-LLS No_up(#319):

[2.1905, 2.1867, 0.1802, 0.2825, -3.821e-10, 2.837e-08, 0.0180, 0.1049, 0.1657, 0.0580]



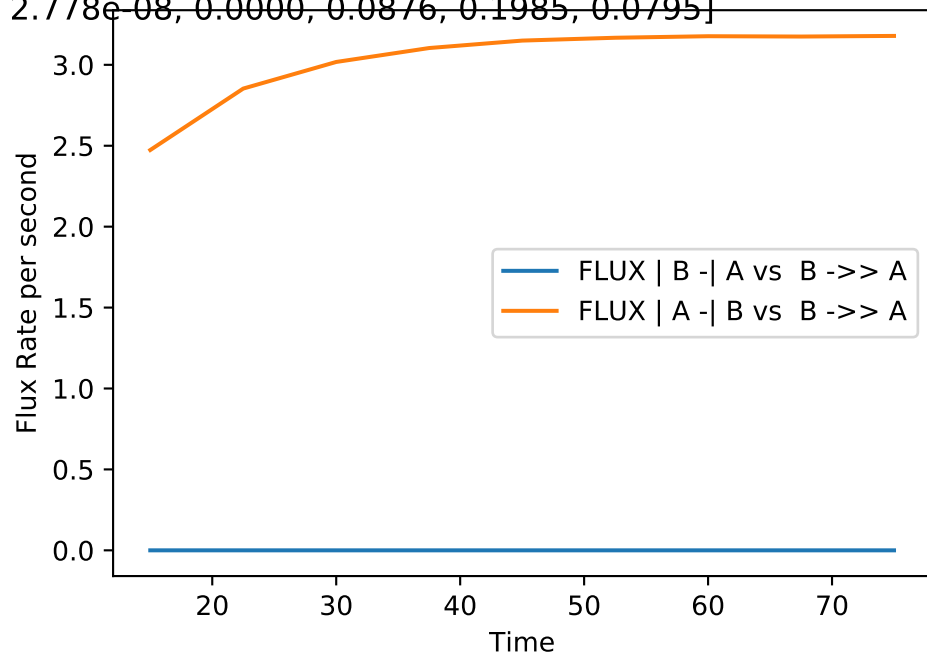
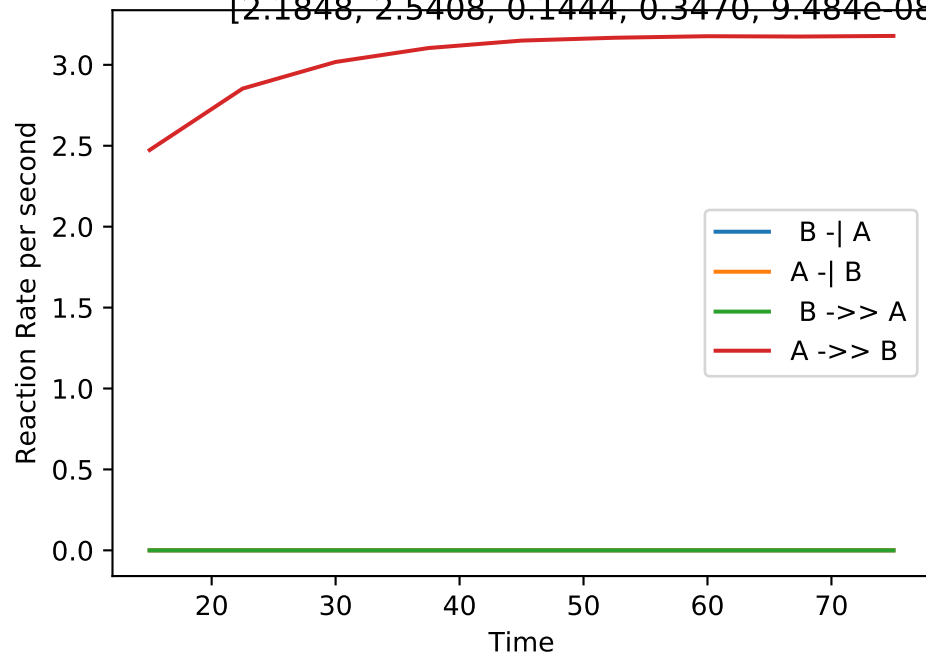
No_up | MB-LLS No_up(#320):

[2.1331, 2.1495, 0.5071, 0.1957, 1.386e-09, 5.394e-09, 0.1433, 0.3027, 0.1371, 0.0000]



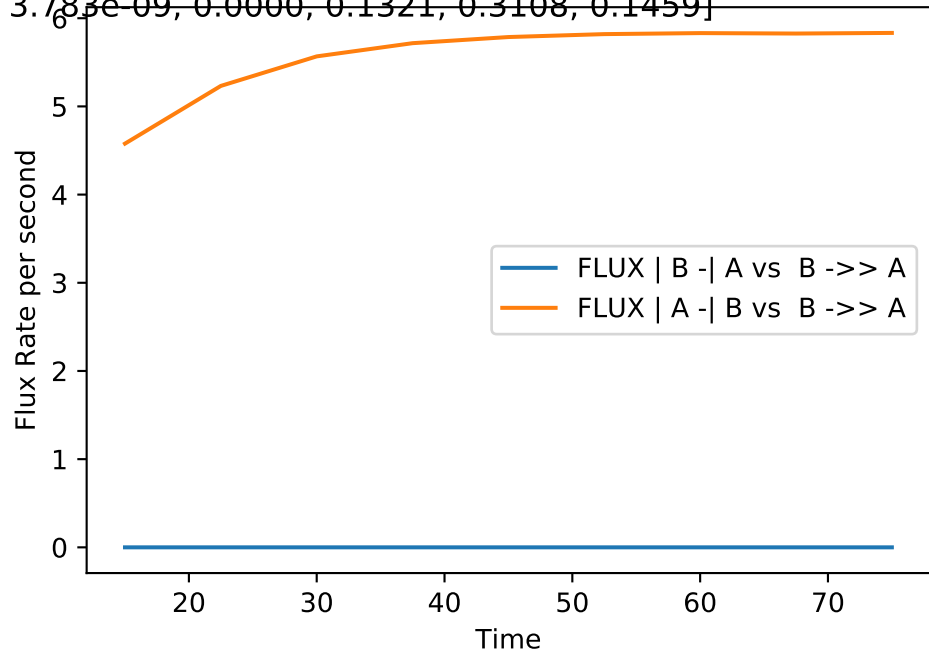
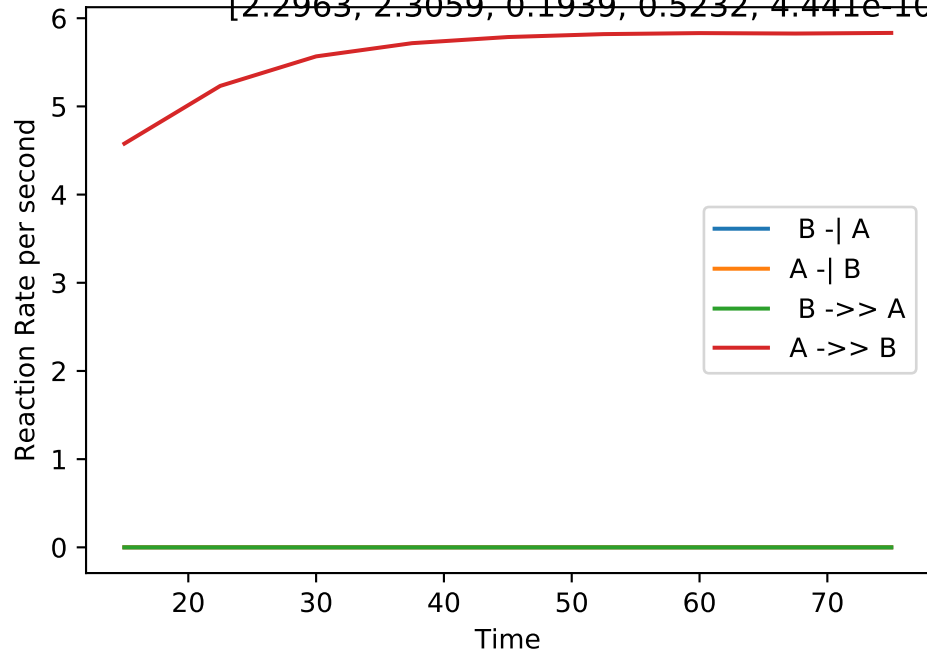
No_up | MB-LLS No_up(#321):

[2.1848, 2.5408, 0.1444, 0.3470, 9.484e-08, 2.778e-08, 0.0000, 0.0876, 0.1985, 0.0795]



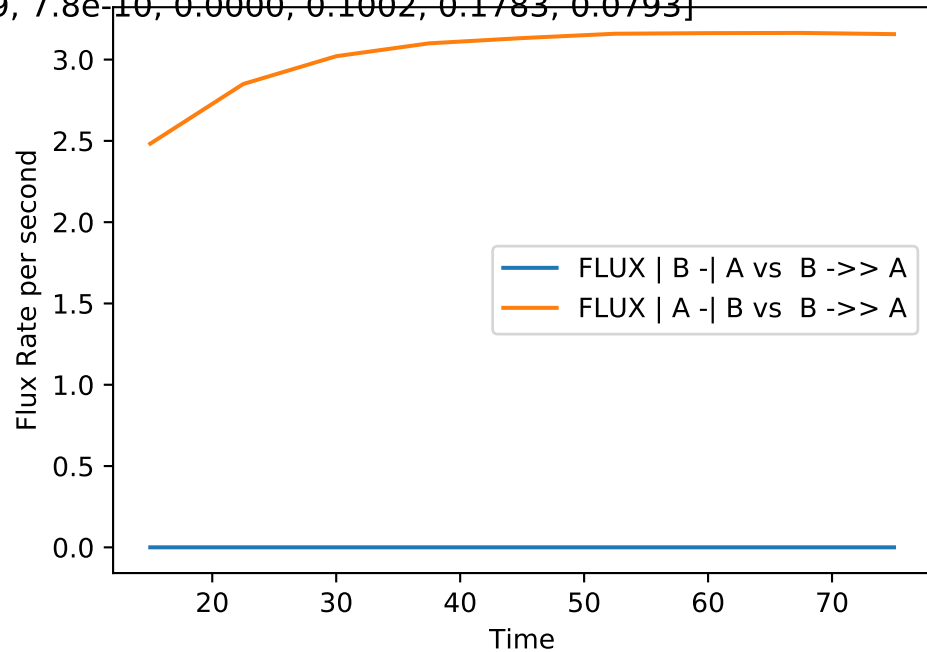
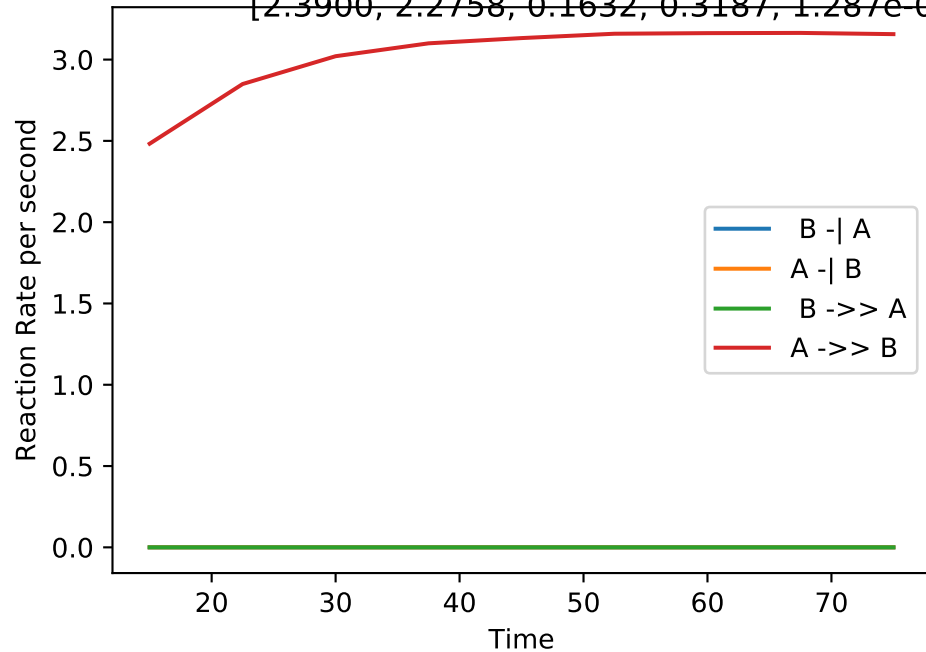
No_up | MB-LLS No_up(#322):

[2.2963, 2.3059, 0.1939, 0.5232, 4.441e-10, 3.783e-09, 0.0000, 0.1321, 0.3108, 0.1459]



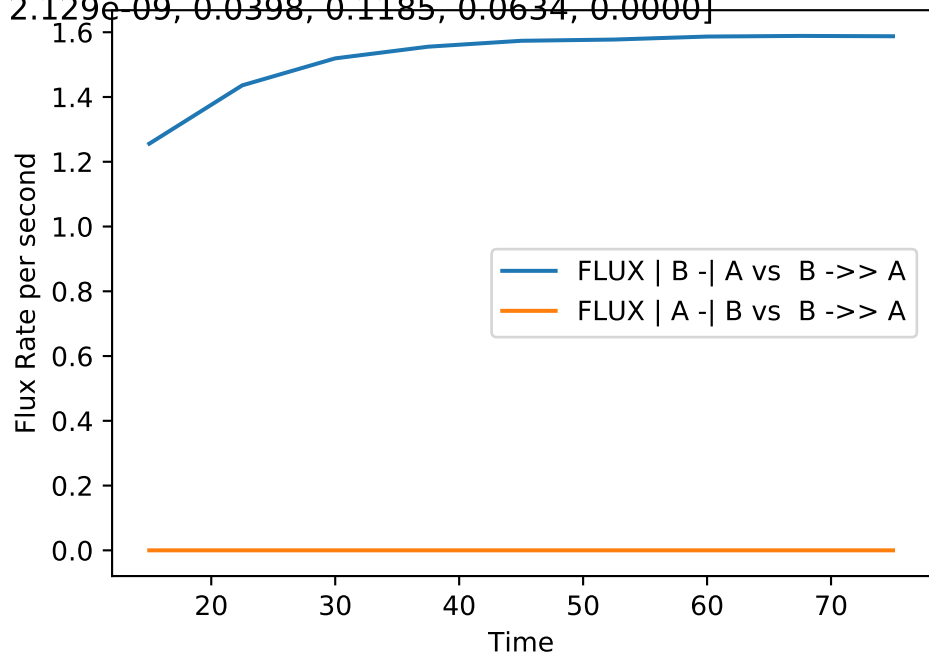
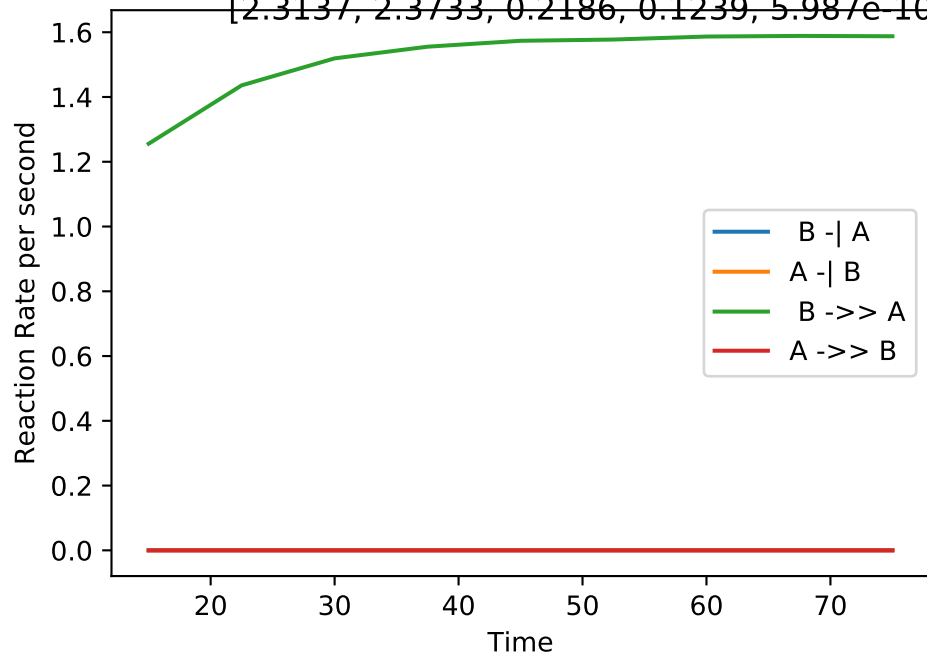
No_up | MB-LLS No_up(#323):

[2.3900, 2.2758, 0.1632, 0.3187, 1.287e-09, 7.8e-10, 0.0000, 0.1002, 0.1783, 0.0793]



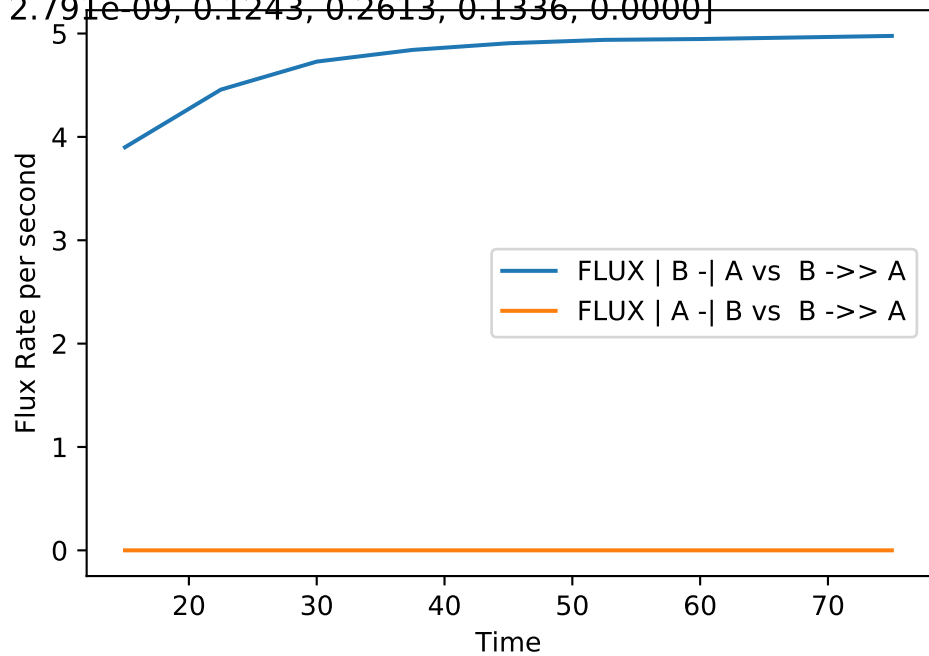
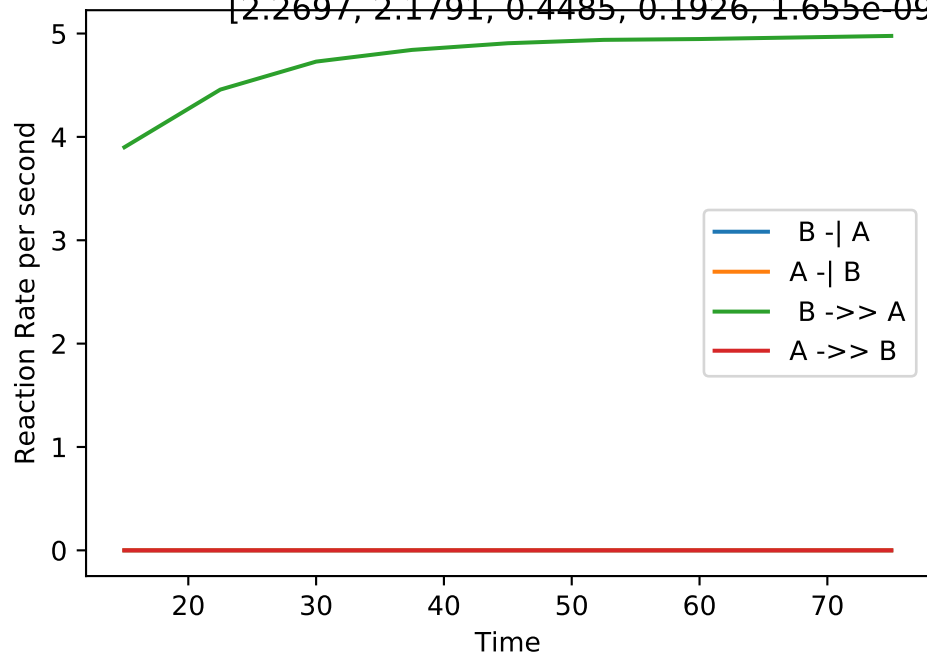
No_up | MB-LLS No_up(#324):

[2.3137, 2.3733, 0.2186, 0.1239, 5.987e-10, 2.129e-09, 0.0398, 0.1185, 0.0634, 0.0000]



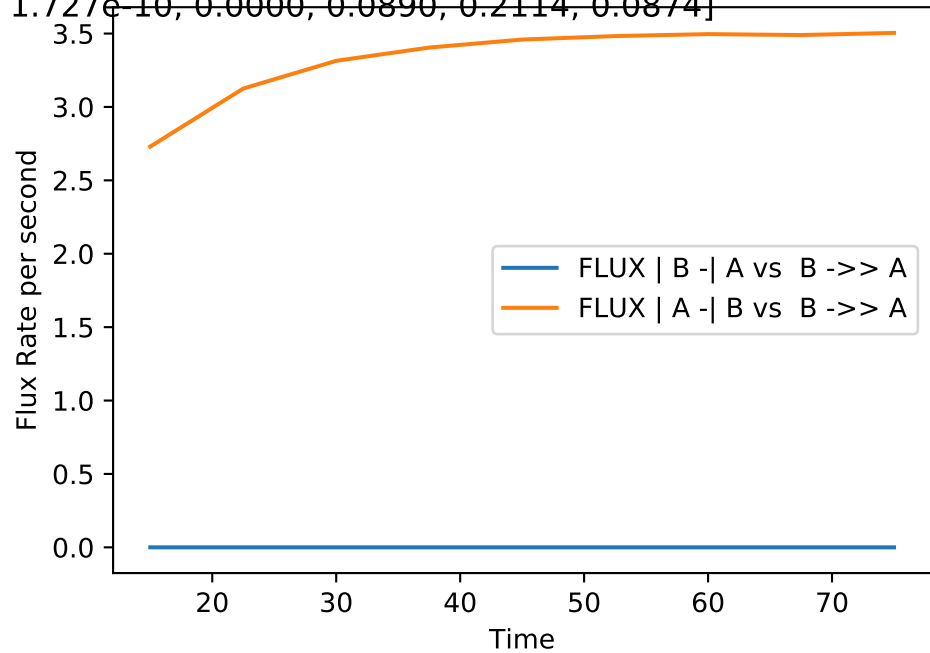
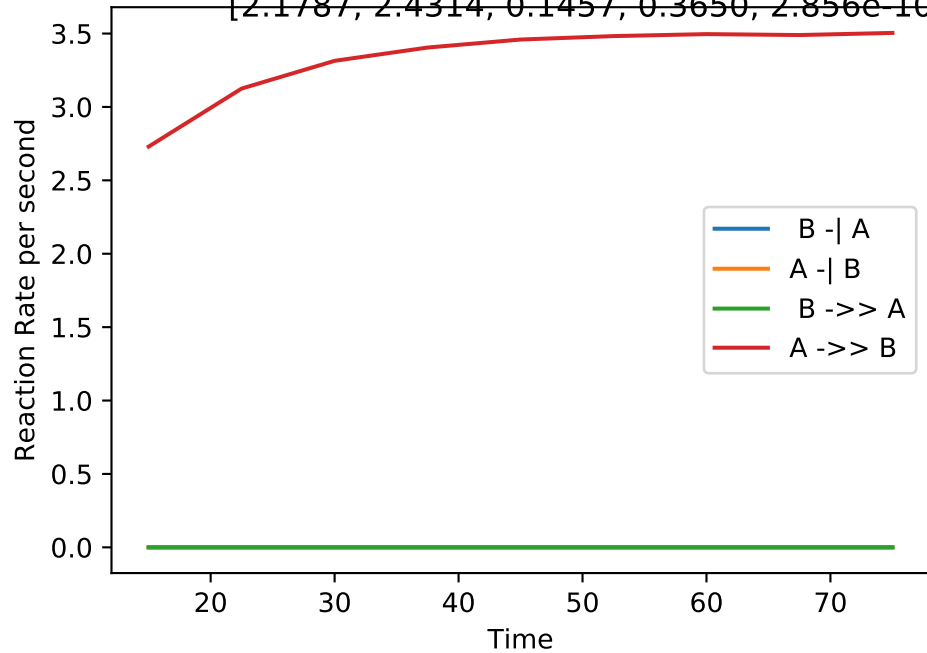
No_up | MB-LLS No_up(#325):

[2.2697, 2.1791, 0.4485, 0.1926, 1.655e-09, 2.791e-09, 0.1243, 0.2613, 0.1336, 0.0000]



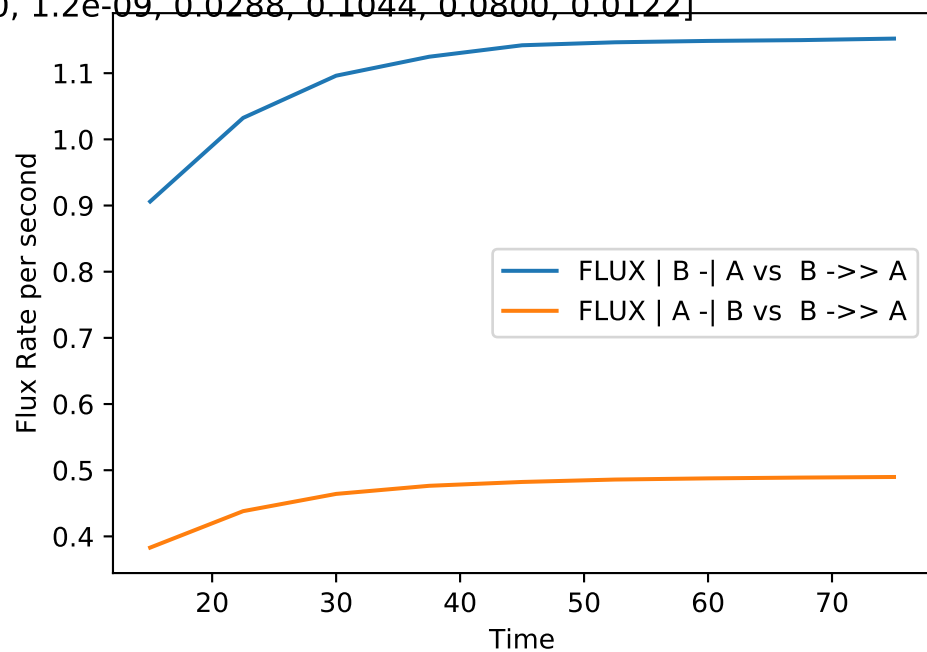
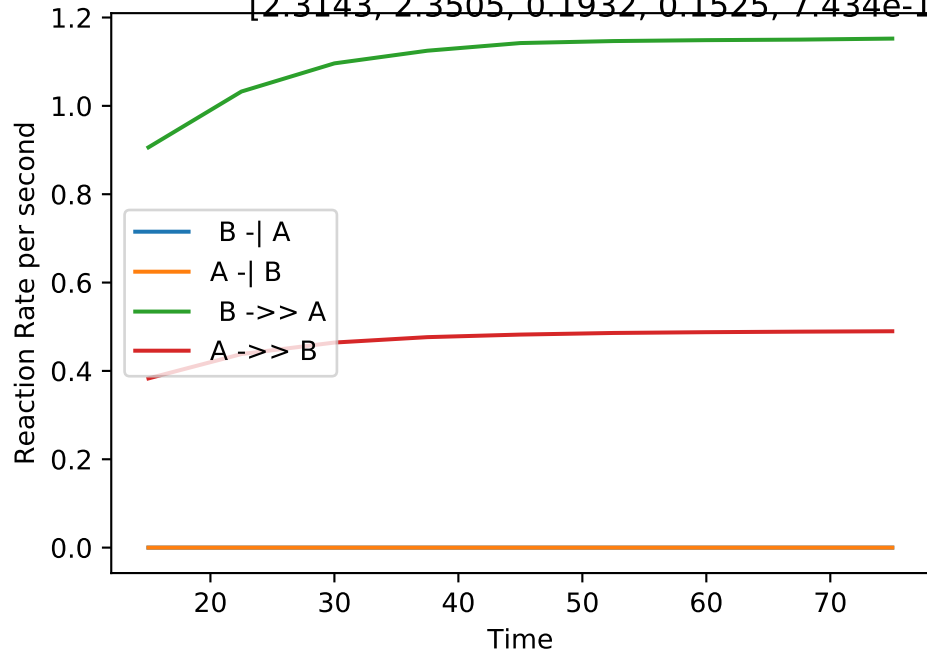
No_up | MB-LLS No_up(#326):

[2.1787, 2.4314, 0.1457, 0.3650, 2.856e-10, 1.727e-10, 0.0000, 0.0890, 0.2114, 0.0874]



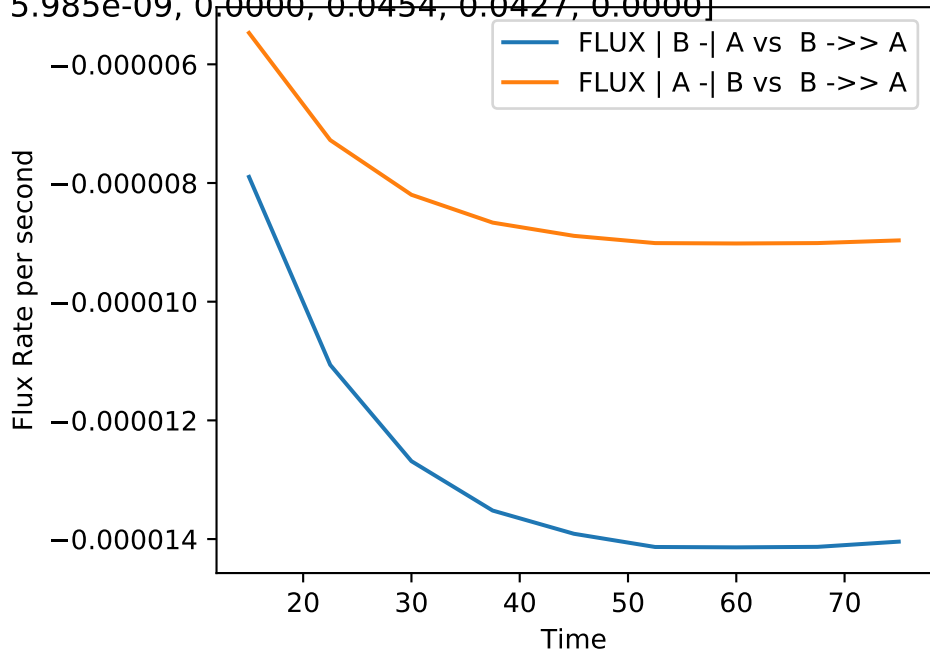
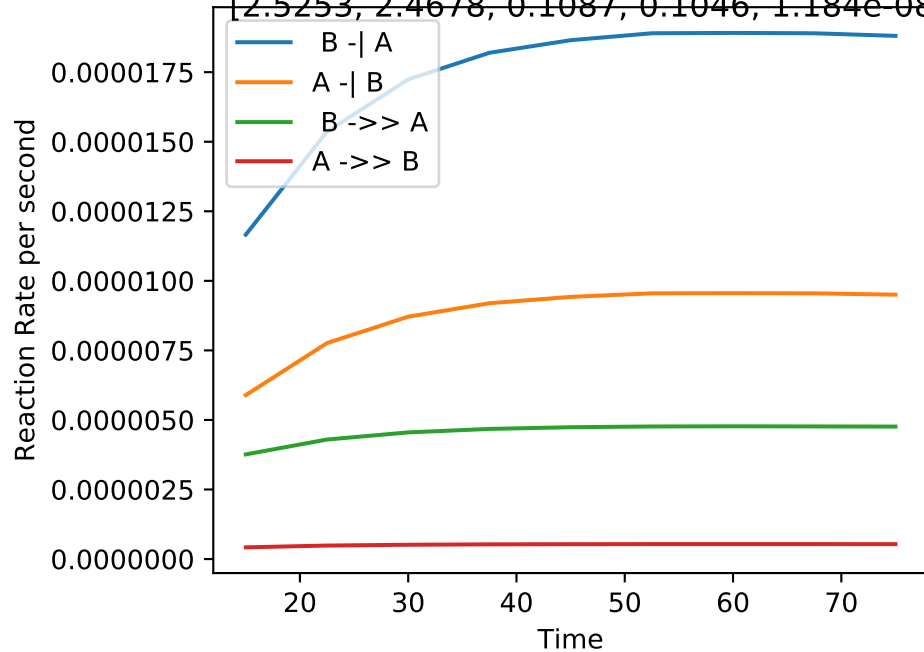
No_up | MB-LLS No_up(#327):

[2.3143, 2.3505, 0.1932, 0.1525, 7.434e-10, 1.2e-09, 0.0288, 0.1044, 0.0800, 0.0122]



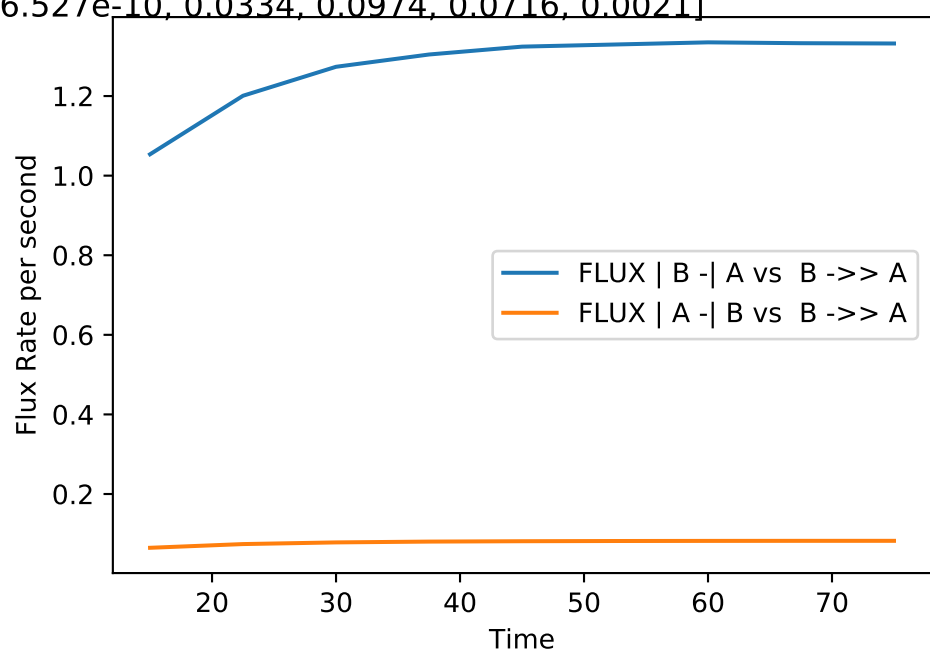
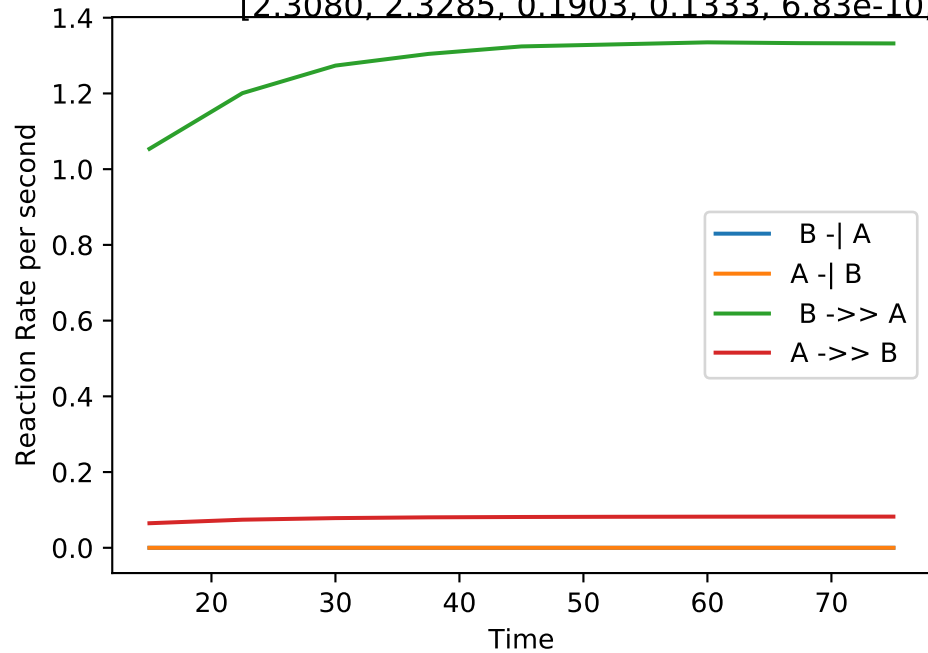
No_up | MB-LLS No_up(#328):

[2.5253, 2.4678, 0.1087, 0.1046, 1.184e-08, 5.985e-09, 0.0000, 0.0454, 0.0427, 0.0000]



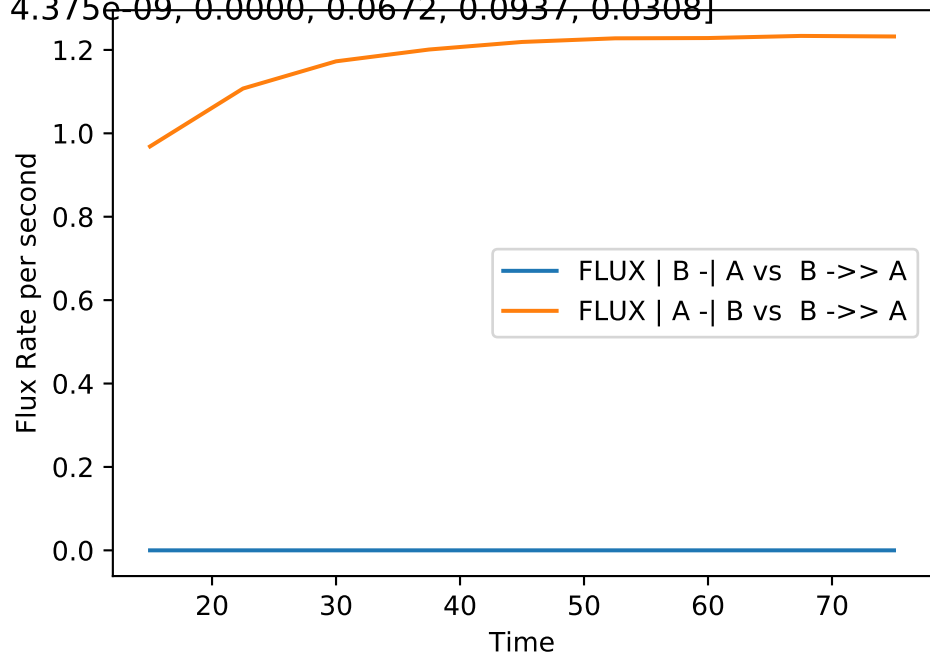
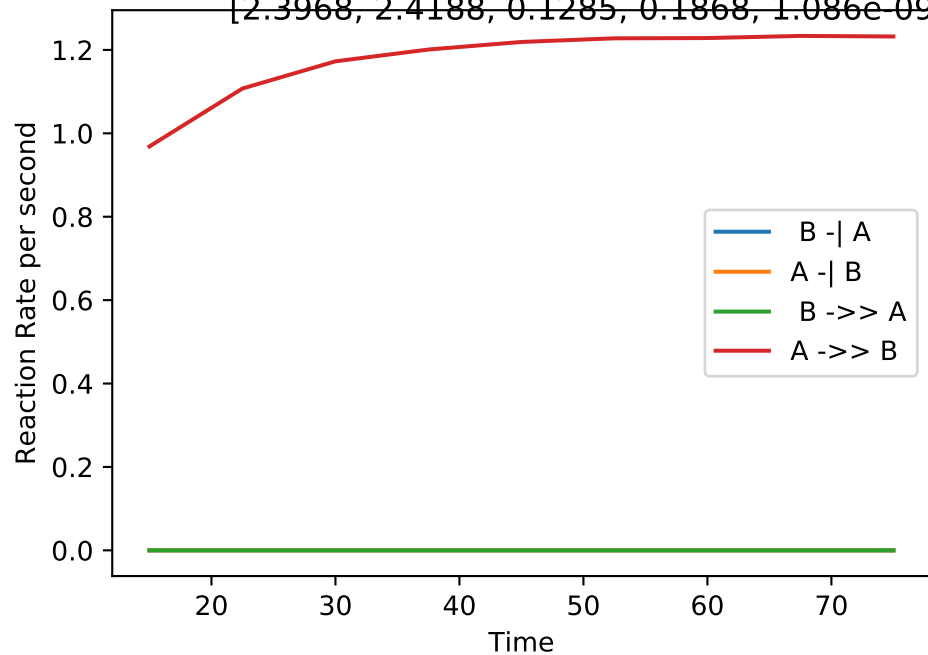
No_up | MB-LLS No_up(#329):

[2.3080, 2.3285, 0.1903, 0.1333, 6.83e-10, 6.527e-10, 0.0334, 0.0974, 0.0716, 0.0021]



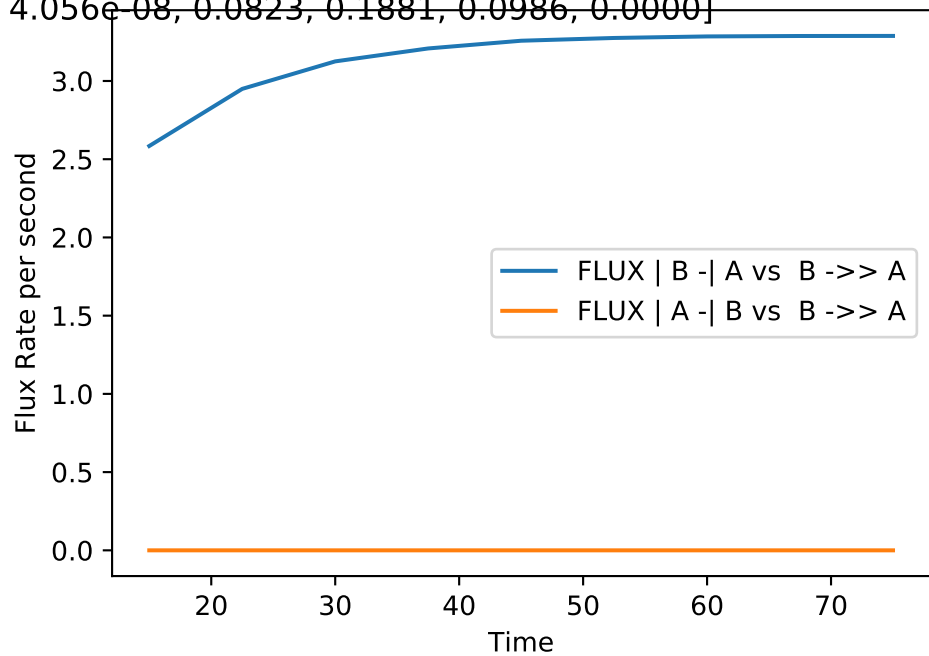
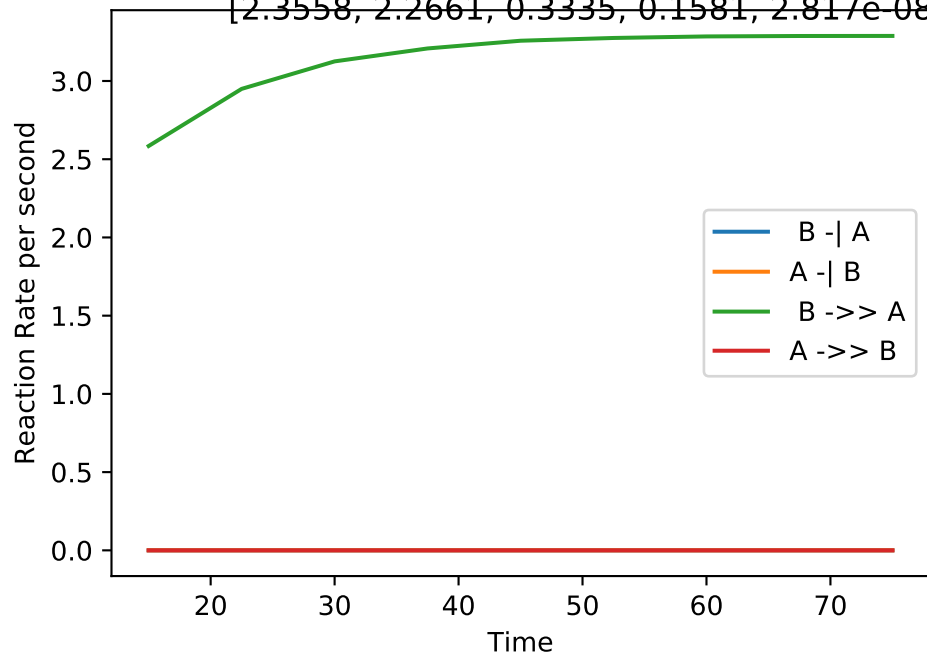
No_up | MB-LLS No_up(#330):

[2.3968, 2.4188, 0.1285, 0.1868, 1.086e-09, 4.375e-09, 0.0000, 0.0672, 0.0937, 0.0308]



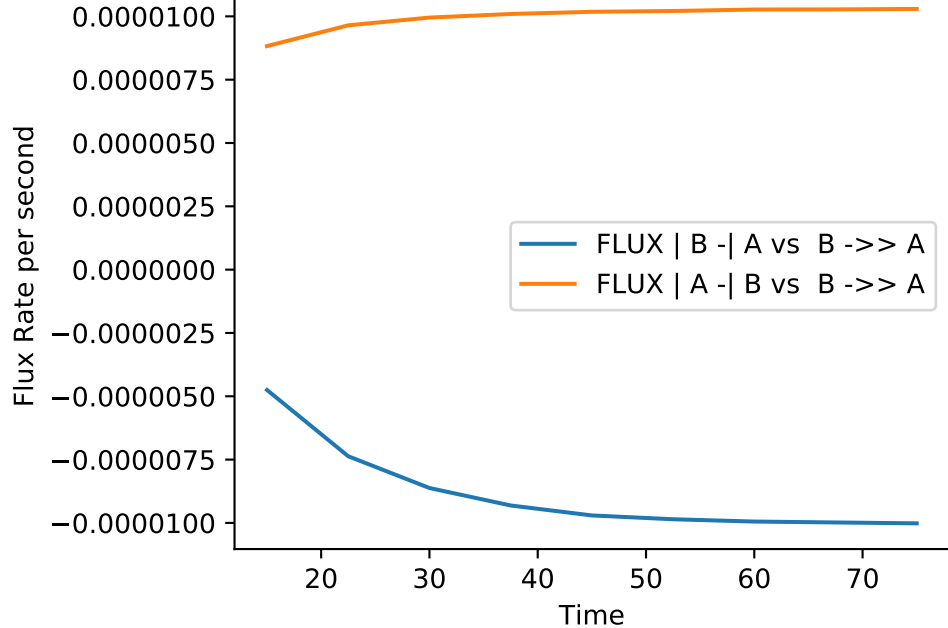
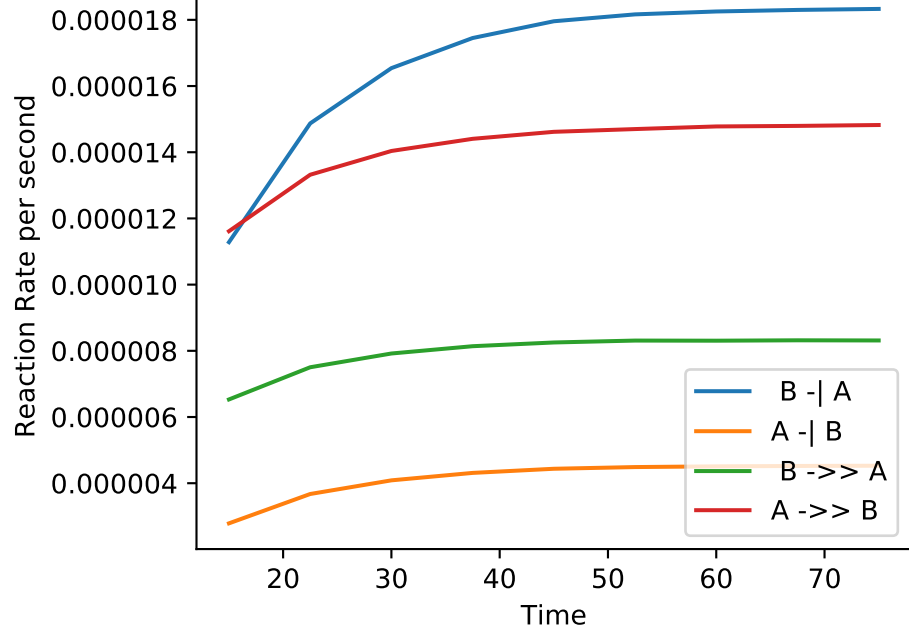
No_up | MB-LLS No_up(#331):

[2.3558, 2.2661, 0.3335, 0.1581, 2.817e-08, 4.056e-08, 0.0823, 0.1881, 0.0986, 0.0000]



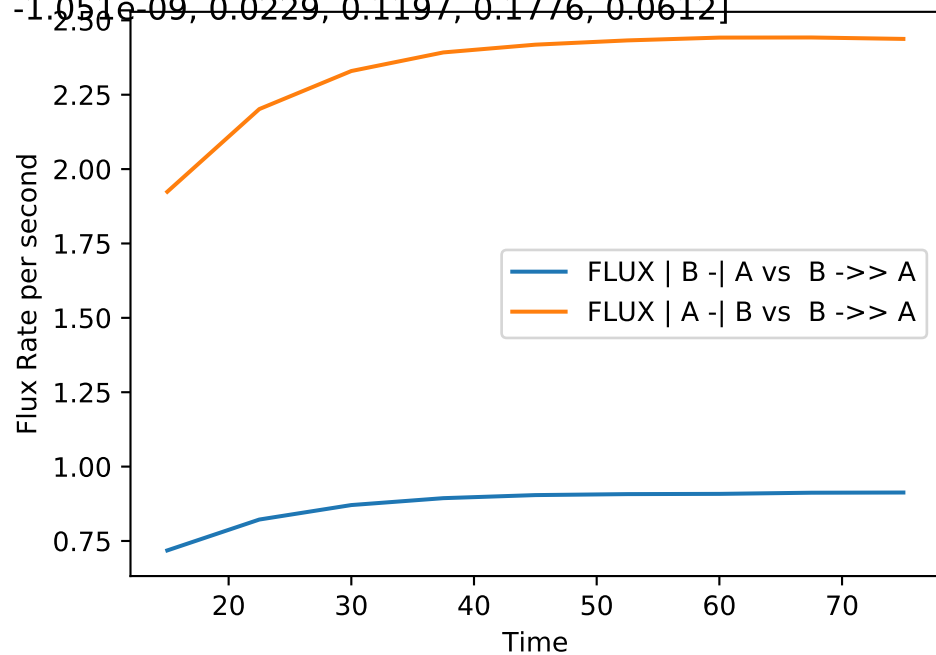
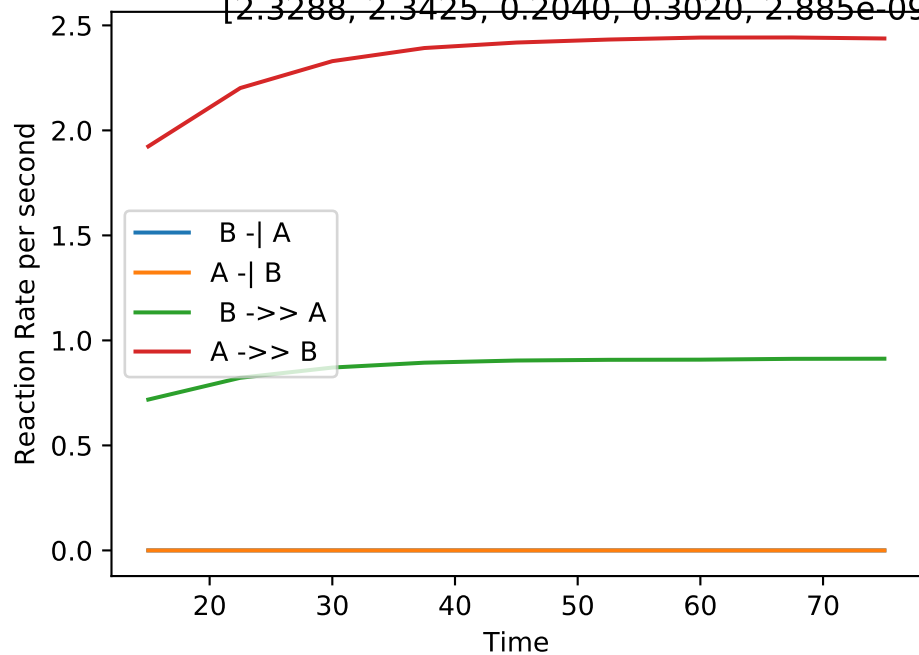
No_up | MB-LLS No_up(#332):

[2.2242, 2.3879, 0.0926, 0.1021, 1.146e-08, 2.832e-09, 0.0000, 0.0371, 0.0422, 0.0000]



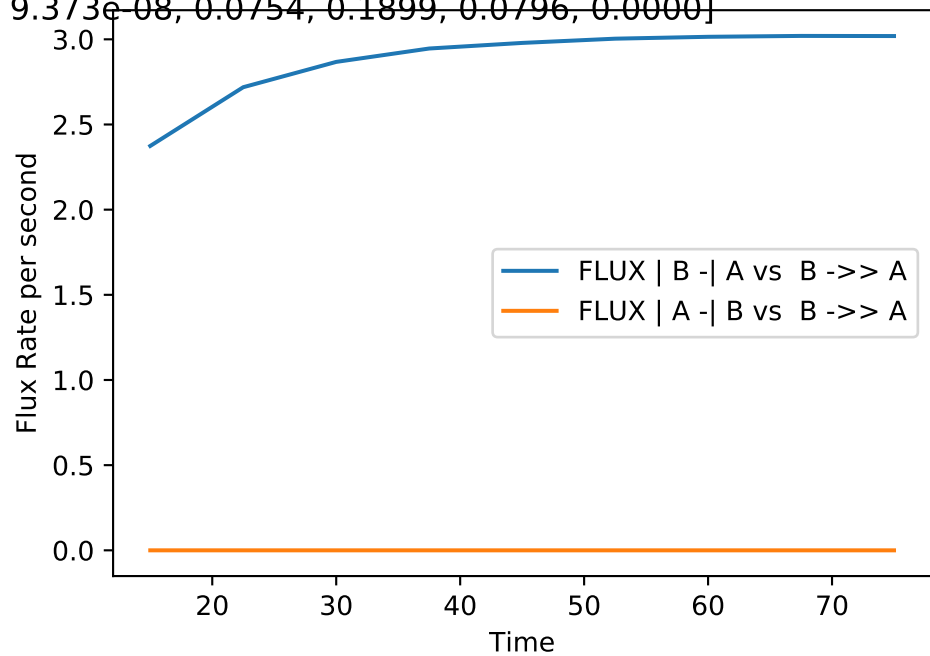
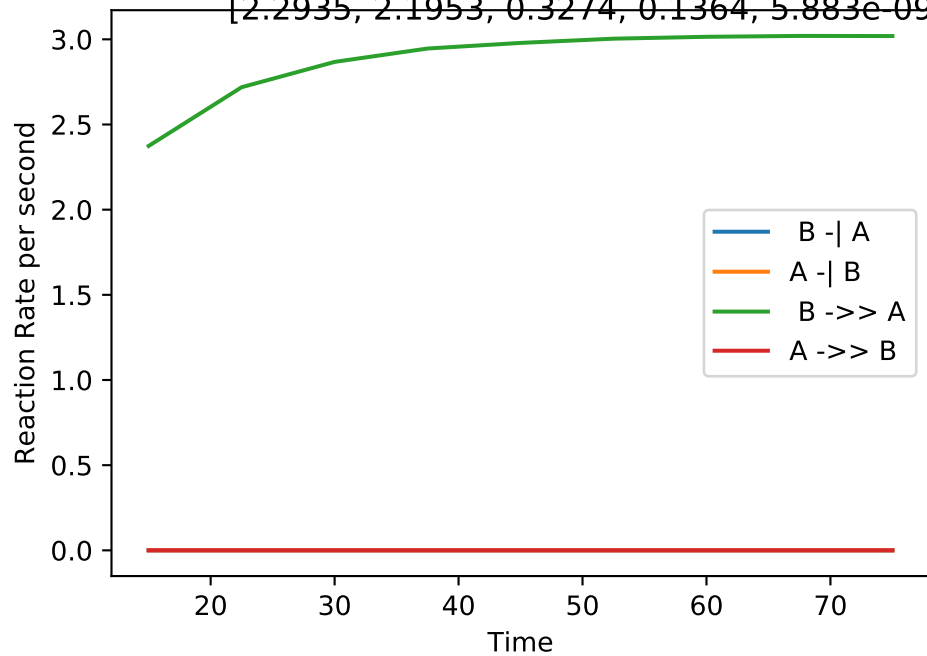
No_up | MB-LLS No_up(#333):

[2.3288, 2.3425, 0.2040, 0.3020, 2.885e-09, -1.051e-09, 0.0229, 0.1197, 0.1776, 0.0612]



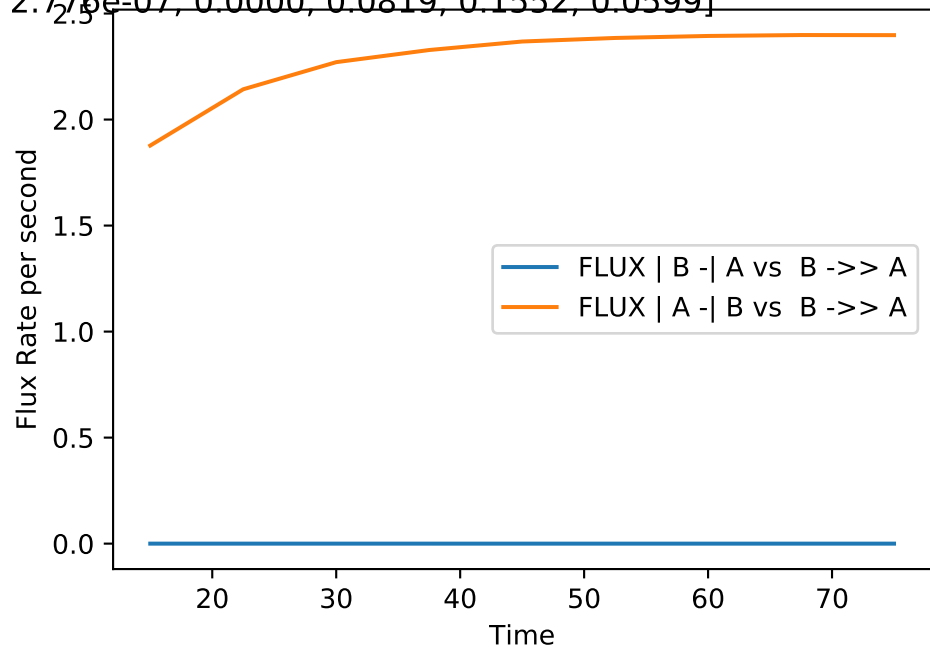
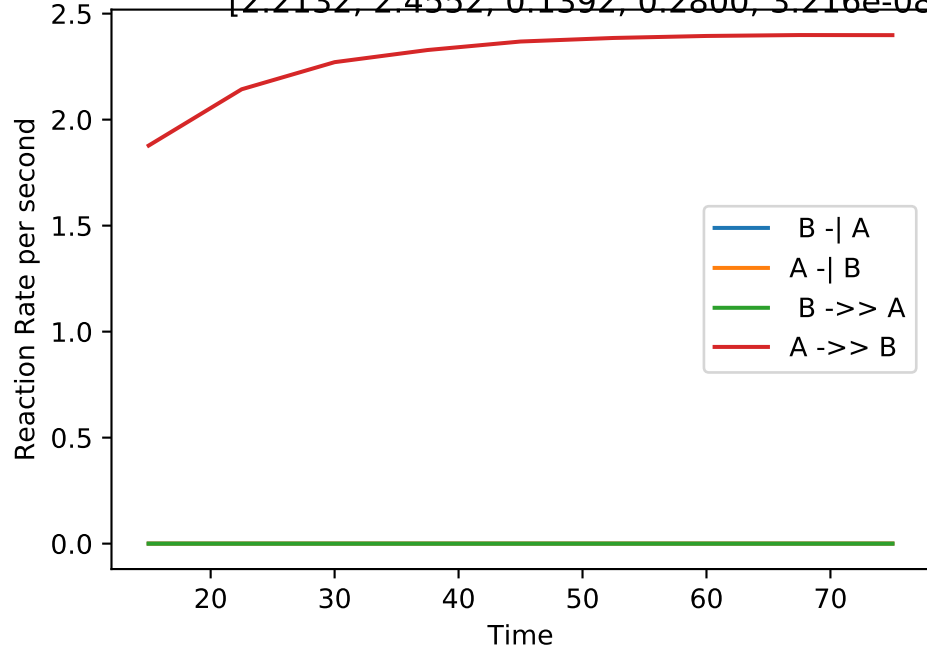
No_up | MB-LLS No_up(#334):

[2.2935, 2.1953, 0.3274, 0.1364, 5.883e-09, 9.373e-08, 0.0754, 0.1899, 0.0796, 0.0000]



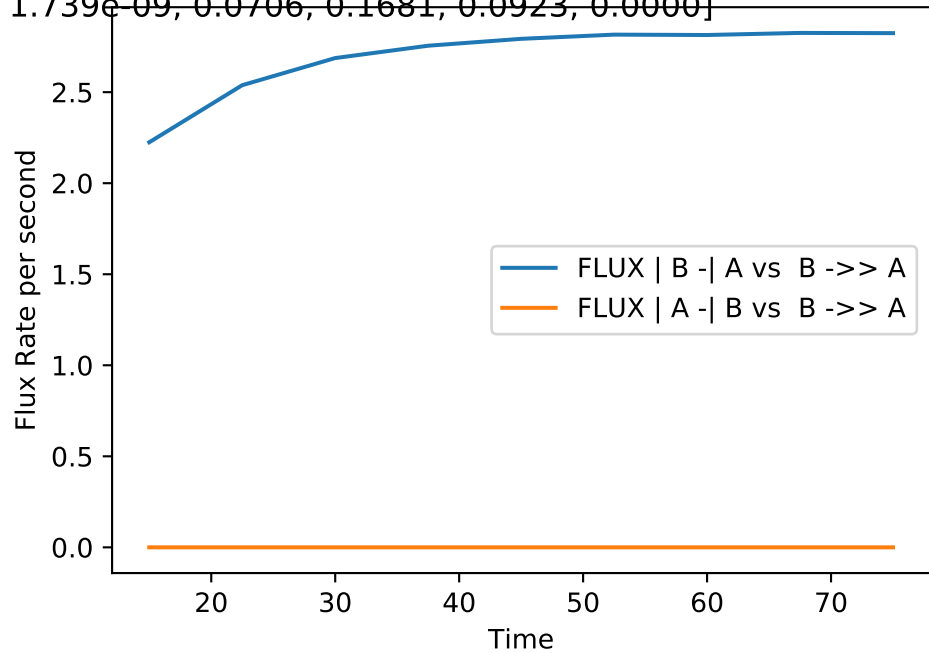
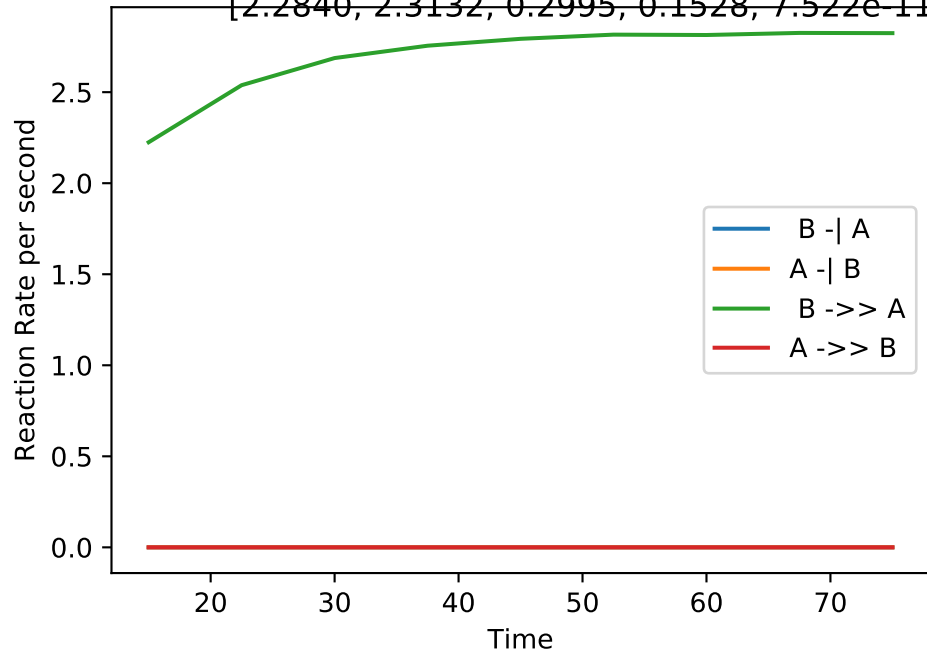
No_up | MB-LLS No_up(#335):

[2.2132, 2.4552, 0.1392, 0.2800, 3.216e-08, 2.776e-07, 0.0000, 0.0819, 0.1552, 0.0599]



No_up | MB-LLS No_up(#336):

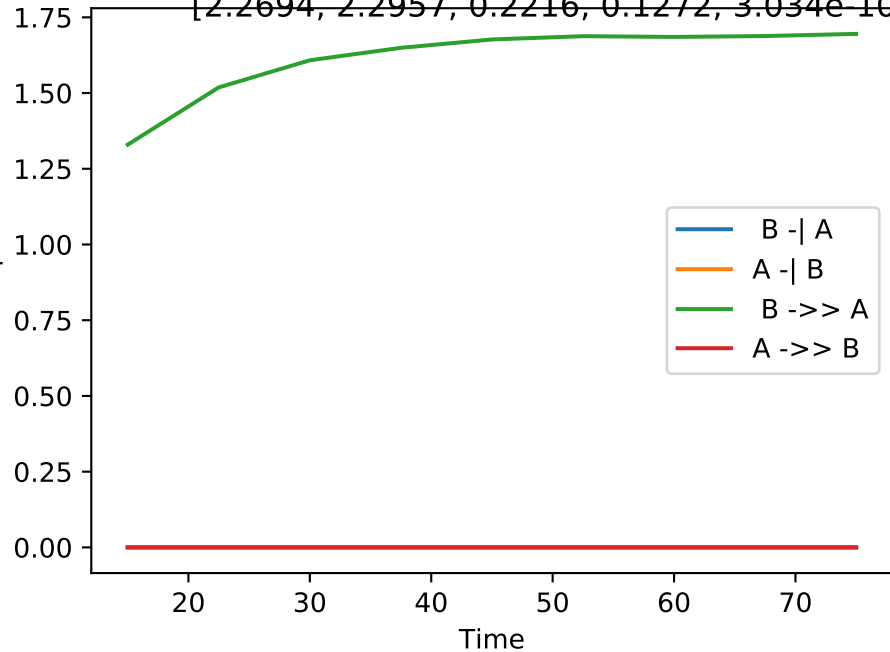
[2.2840, 2.3132, 0.2995, 0.1528, 7.522e-11, 1.739e-09, 0.0706, 0.1681, 0.0923, 0.0000]



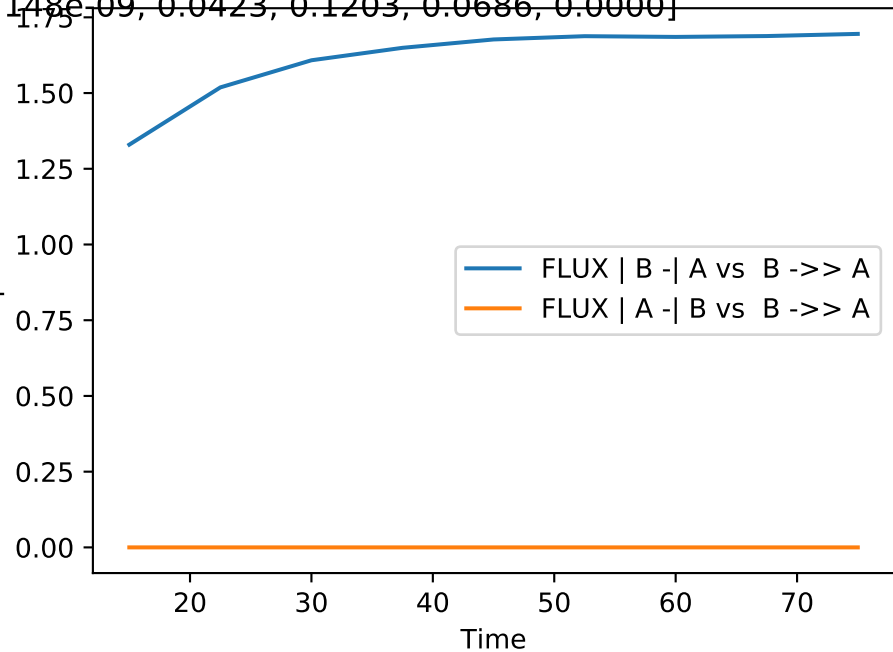
No_up | MB-LLS No_up(#337):

[2.2694, 2.2957, 0.2216, 0.1272, 3.034e-10, 1.148e-09, 0.0423, 0.1203, 0.0686, 0.0000]

Reaction Rate per second

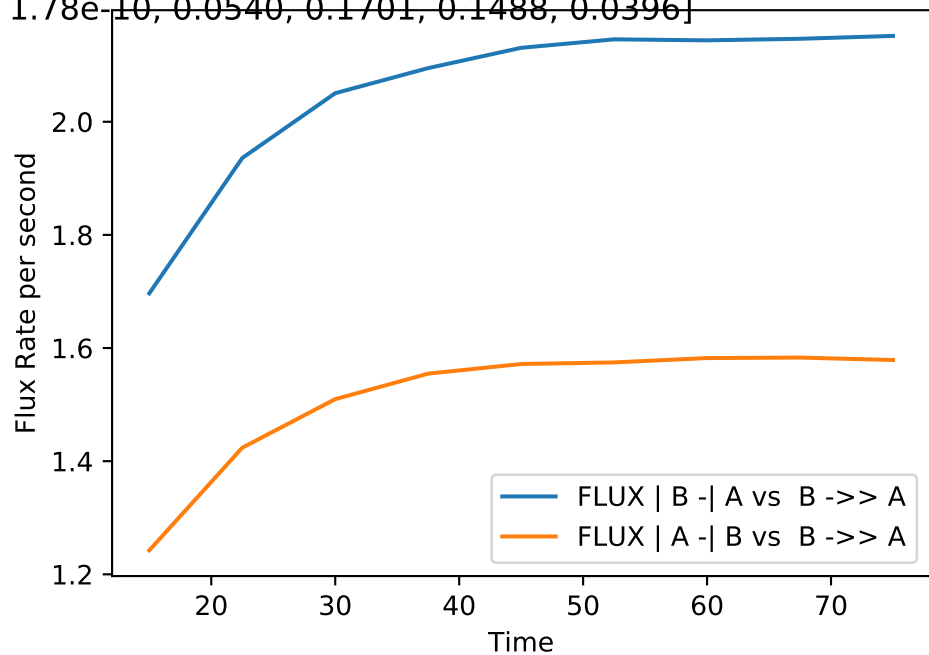
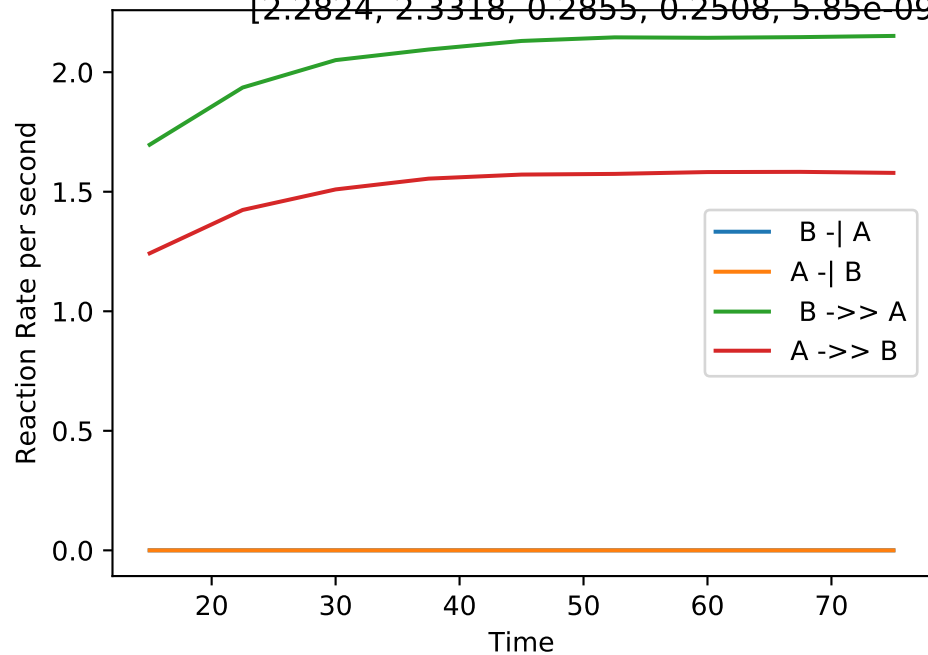


Flux Rate per second



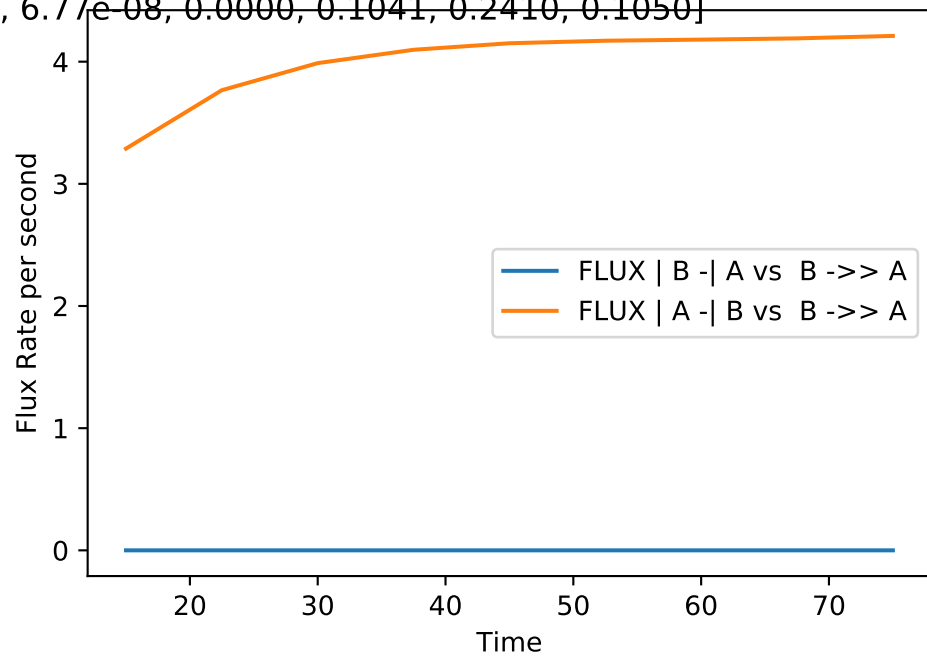
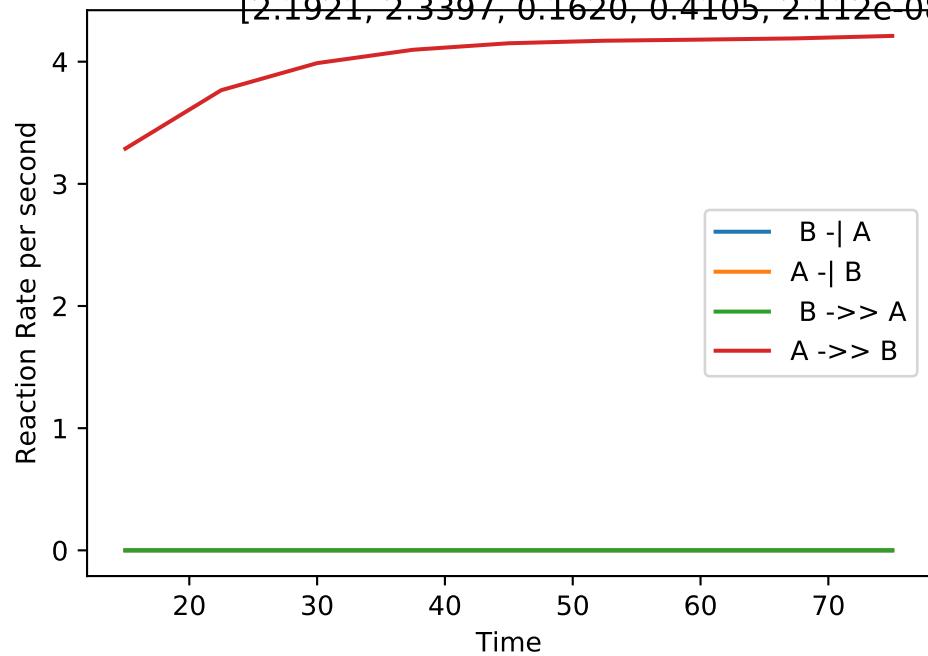
No_up | MB-LLS No_up(#338):

[2.2824, 2.3318, 0.2855, 0.2508, 5.85e-09, 1.78e-10, 0.0540, 0.1701, 0.1488, 0.0396]



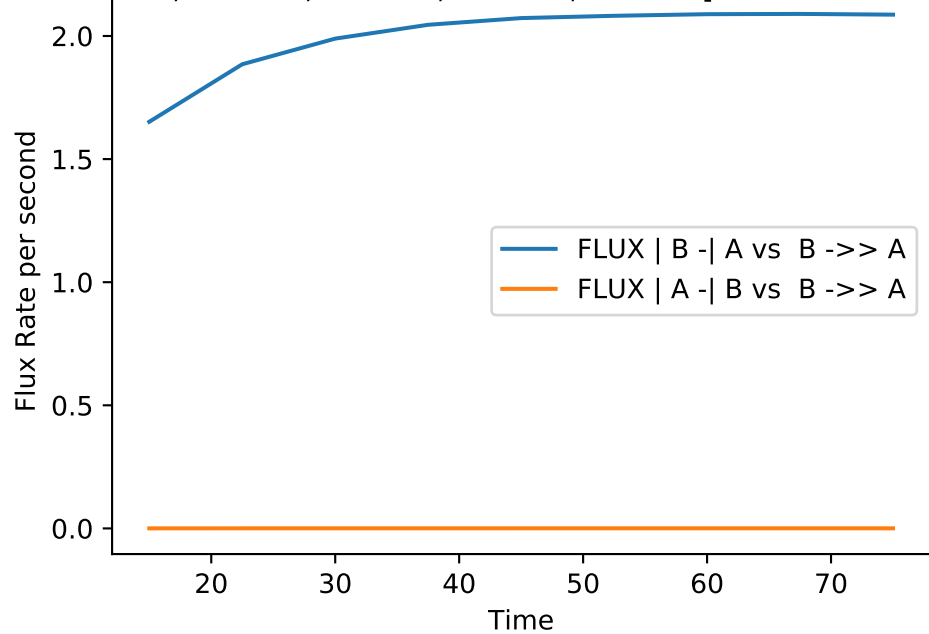
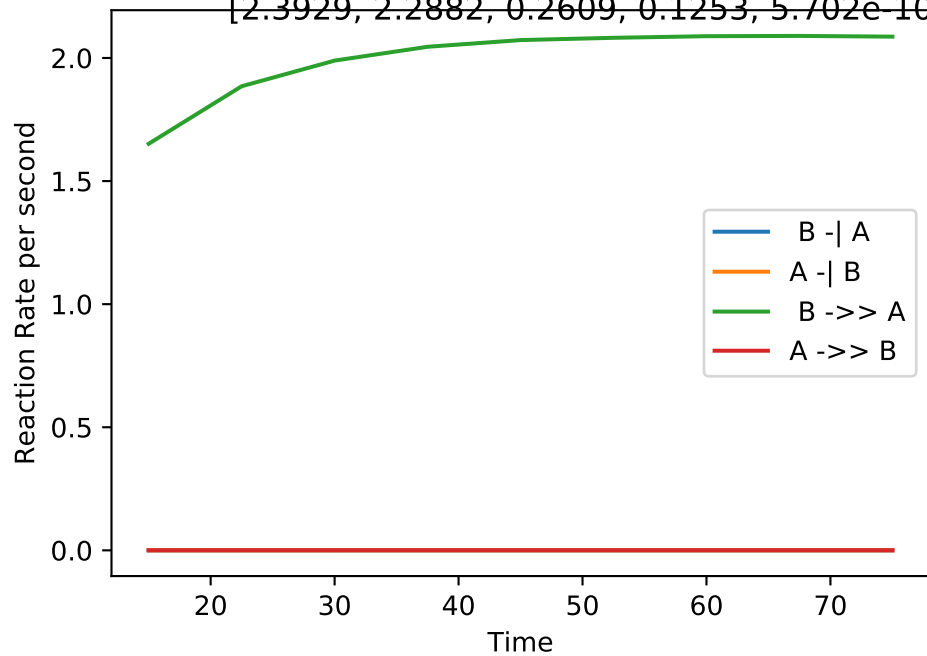
No_up | MB-LLS No_up(#339):

[2.1921, 2.3397, 0.1620, 0.4105, 2.112e-08, 6.77e-08, 0.0000, 0.1041, 0.2410, 0.1050]



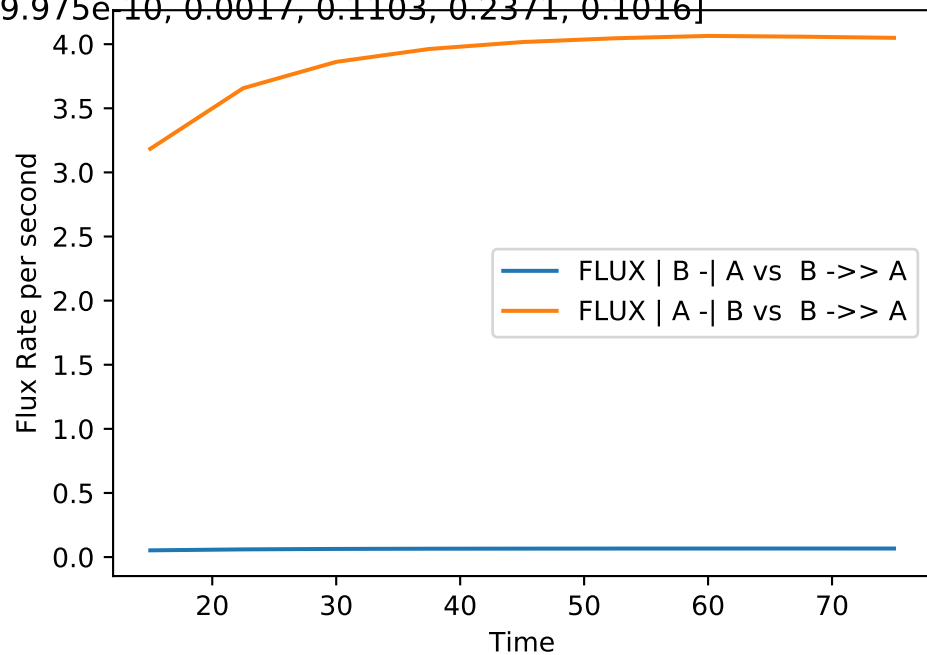
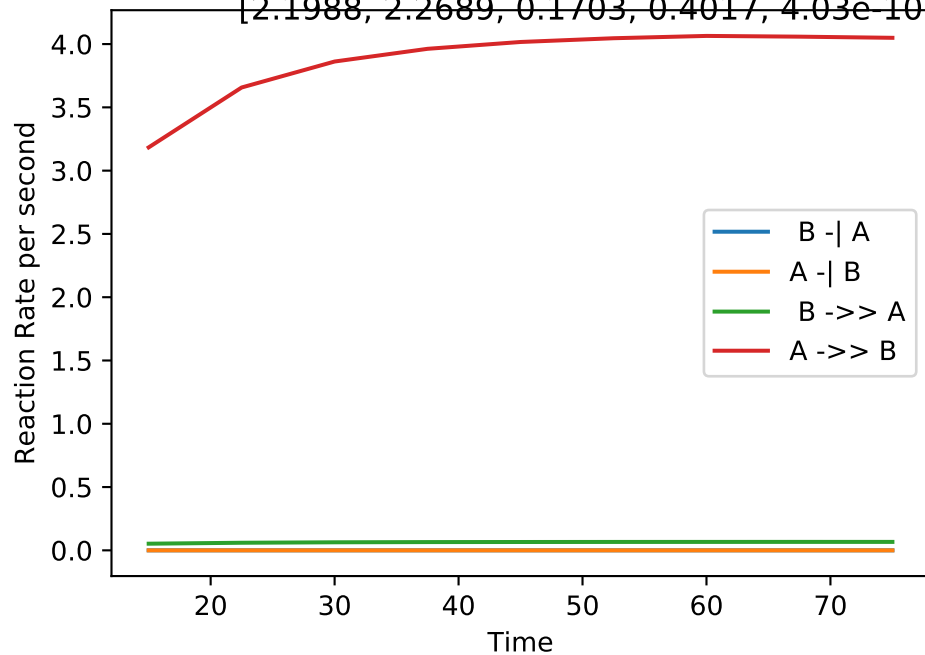
No_up | MB-LLS No_up(#340):

[2.3929, 2.2882, 0.2609, 0.1253, 5.702e-10, 7.674e-09, 0.0523, 0.1452, 0.0666, 0.0000]



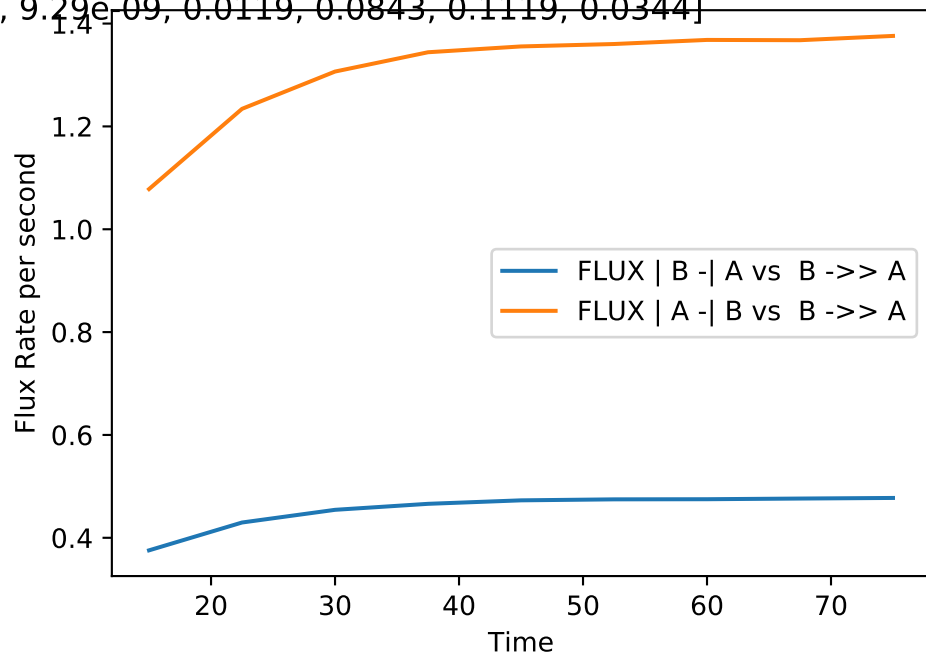
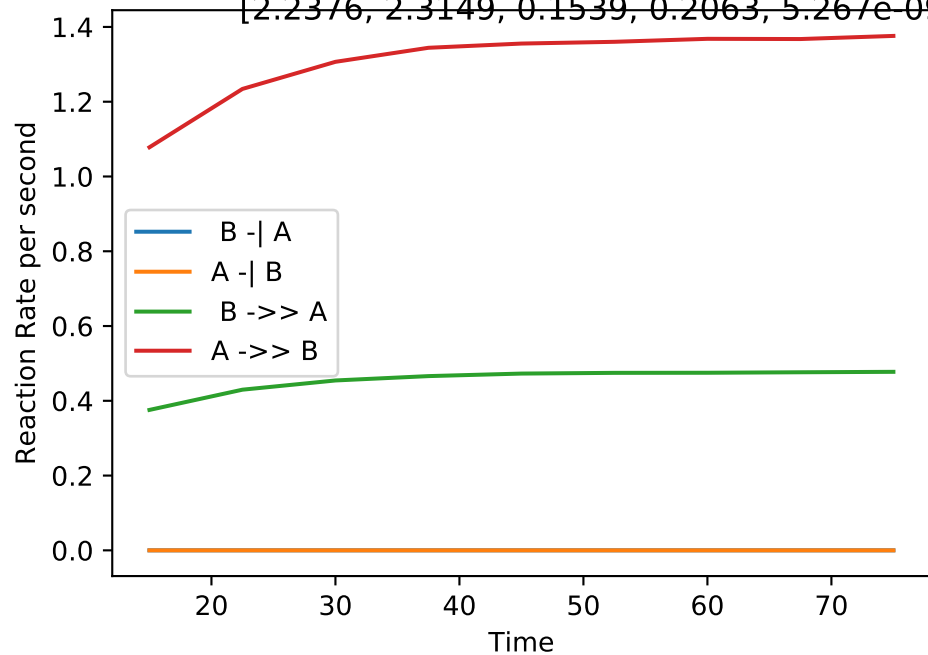
No_up | MB-LLS No_up(#341):

[2.1988, 2.2689, 0.1703, 0.4017, 4.03e-10, 9.975e-10, 0.0017, 0.1103, 0.2371, 0.1016]



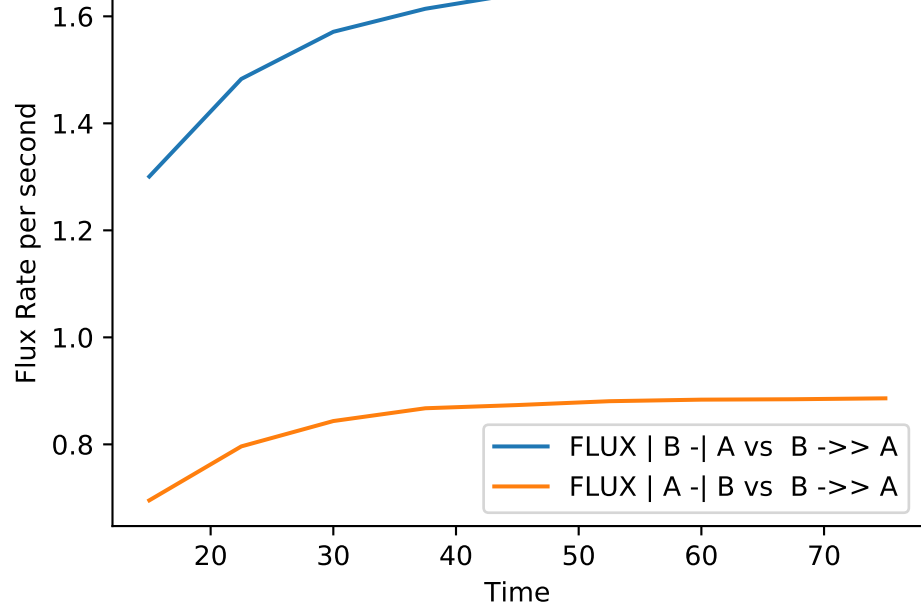
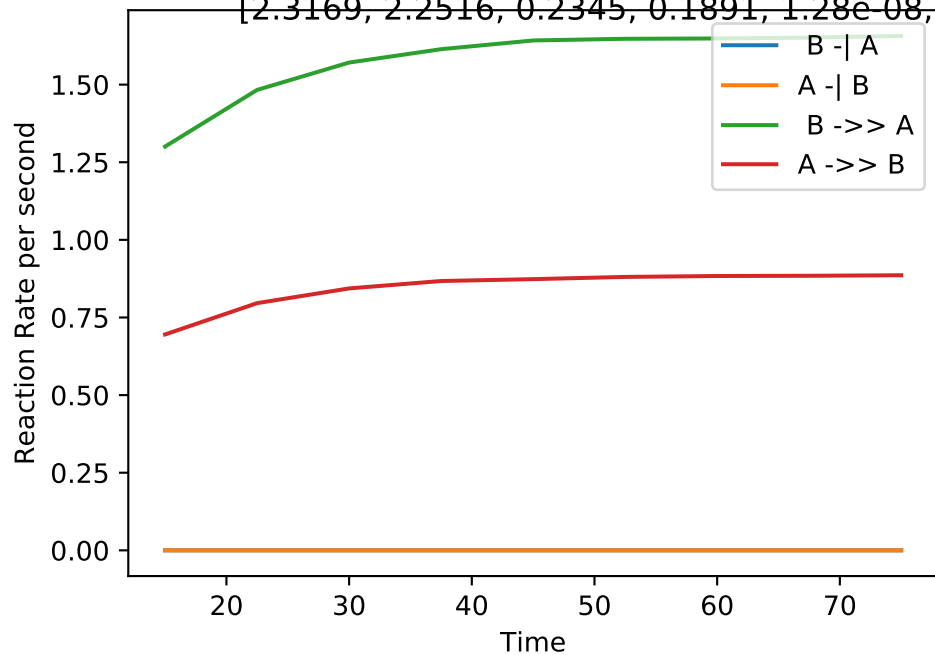
No_up | MB-LLS No_up(#342):

[2.2376, 2.3149, 0.1539, 0.2063, 5.267e-09, 9.29e-09, 0.0119, 0.0843, 0.1119, 0.0344]



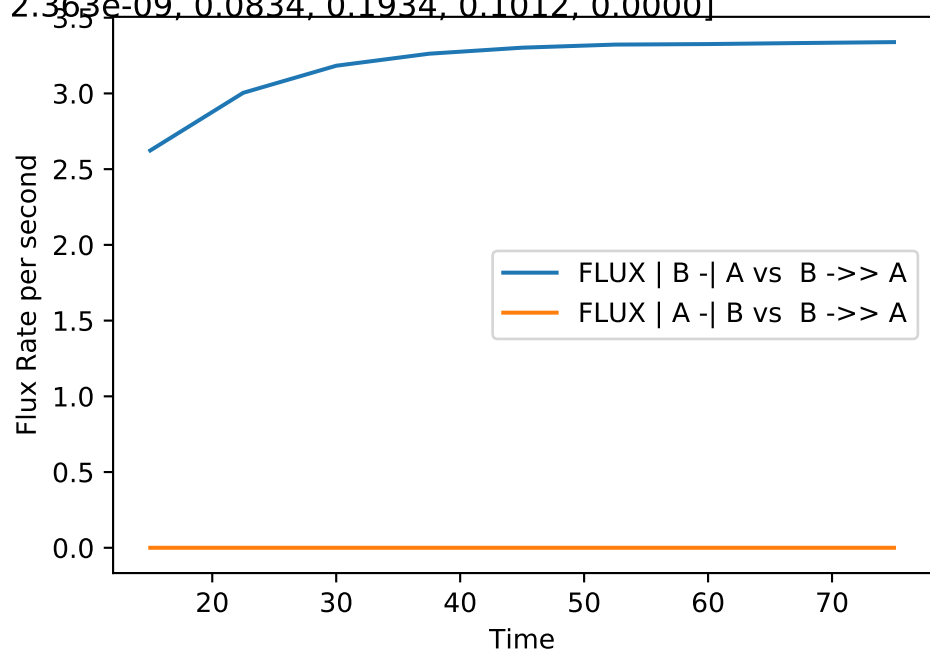
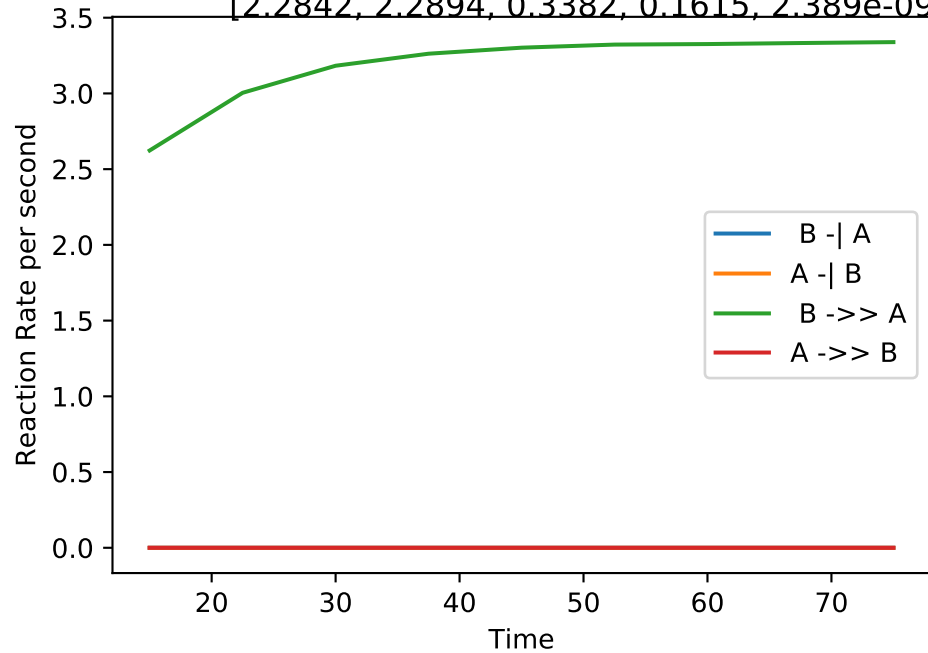
No_up | MB-LLS No_up(#343):

[2.3169, 2.2516, 0.2345, 0.1891, 1.28e-08, 4.771e-09, 0.0414, 0.1323, 0.1081, 0.0221]



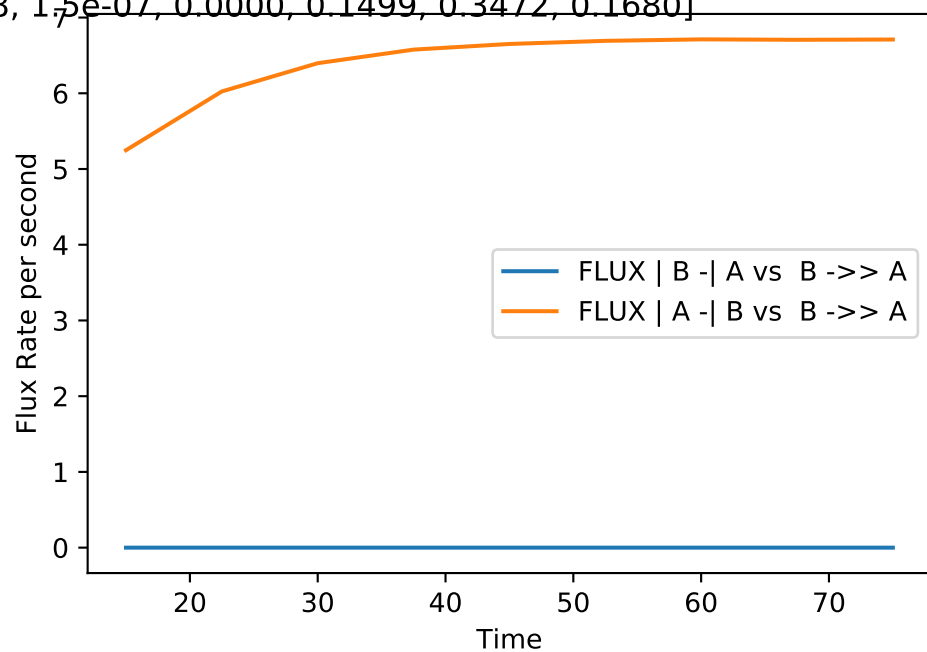
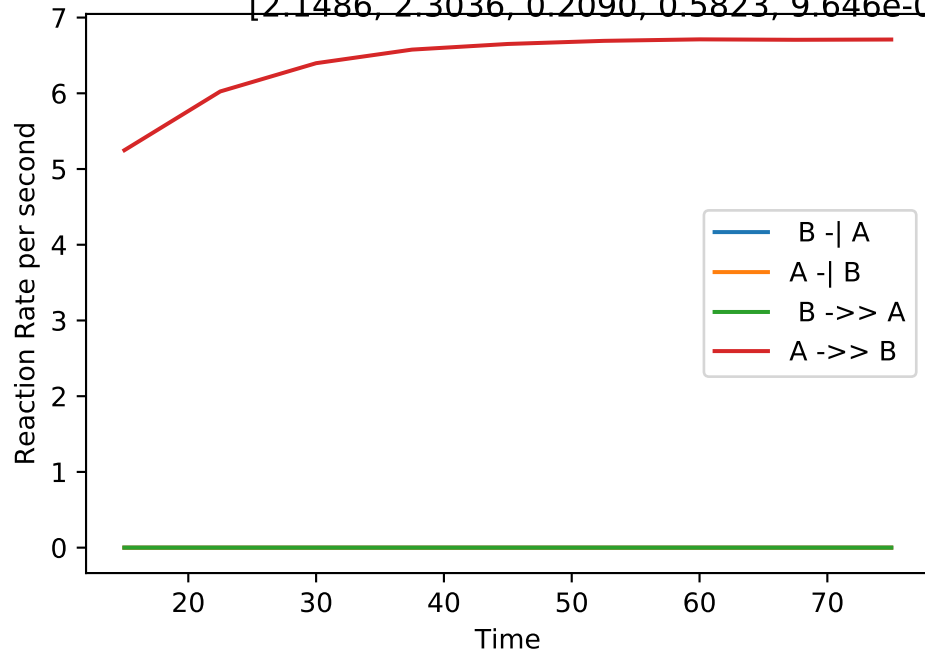
No_up | MB-LLS No_up(#344):

[2.2842, 2.2894, 0.3382, 0.1615, 2.389e-09, 2.363e-09, 0.0834, 0.1934, 0.1012, 0.0000]



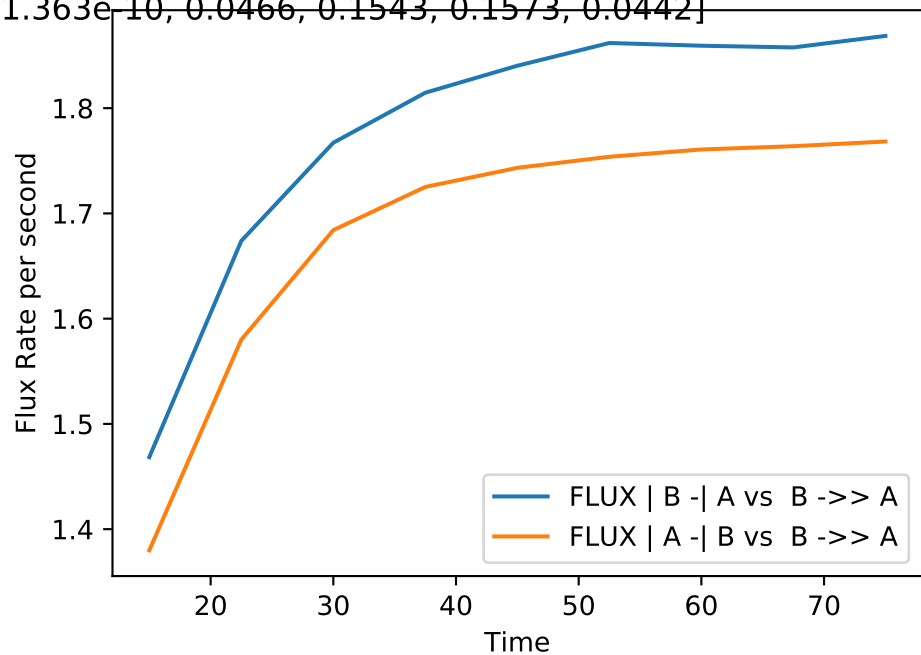
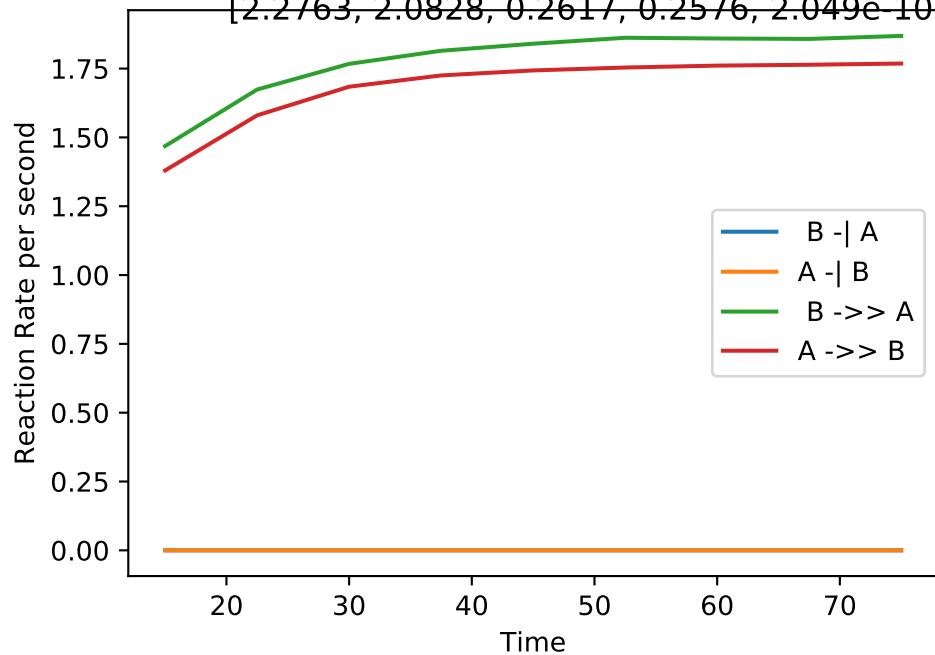
No_up | MB-LLS No_up(#345):

[2.1486, 2.3036, 0.2090, 0.5823, 9.646e-08, 1.5e-07, 0.0000, 0.1499, 0.3472, 0.1680]



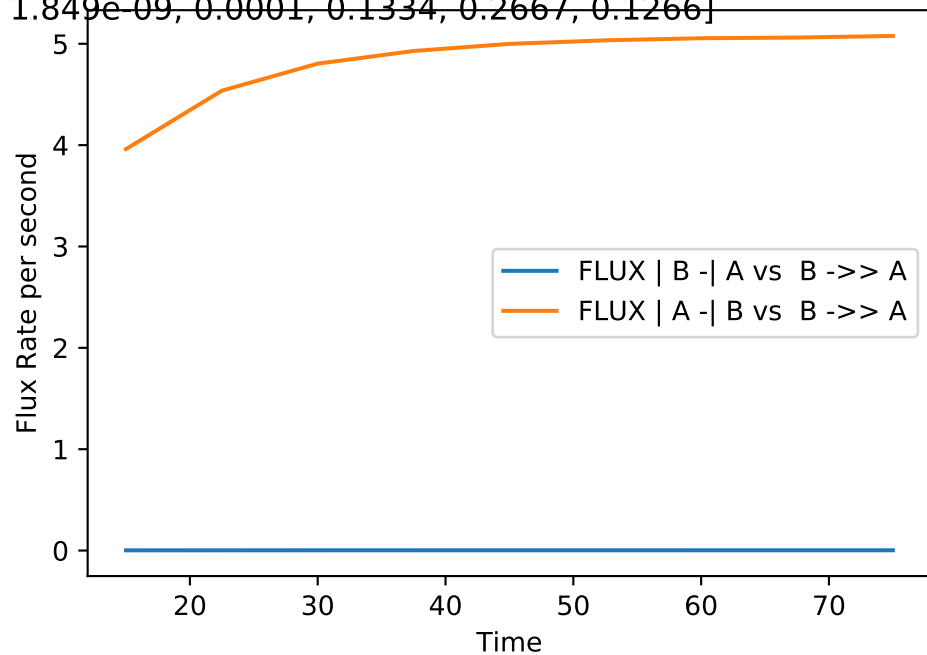
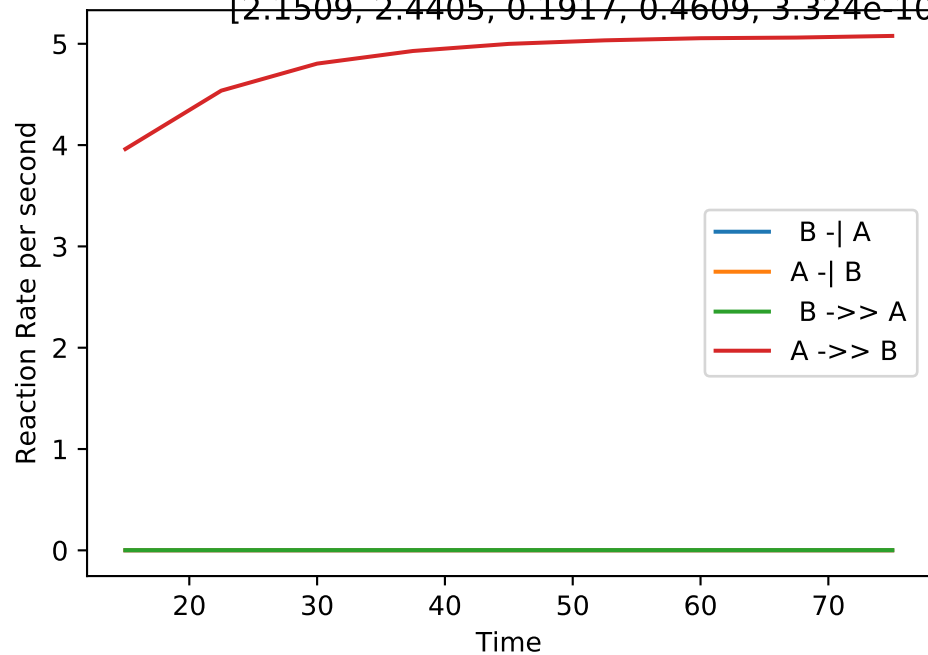
No_up | MB-LLS No_up(#346):

[2.2763, 2.0828, 0.2617, 0.2576, 2.049e-10, 1.363e-10, 0.0466, 0.1543, 0.1573, 0.0442]



No_up | MB-LLS No_up(#347):

[2.1509, 2.4405, 0.1917, 0.4609, 3.324e-10, 1.849e-09, 0.0001, 0.1334, 0.2667, 0.1266]



No_up | MB-LLS No_up(#348):

[2.3833, 1.8817, 0.2667, 0.0990, 5.774e-09, 0.0003876, 0.0632, 0.1409, 0.0654, 0.0000]

Reaction Rate per second

2.5
2.0
1.5
1.0
0.5
0.0

20

30

40

50

60

70

Time



Flux Rate per second

2.5
2.0
1.5
1.0
0.5
0.0
-0.5

20

30

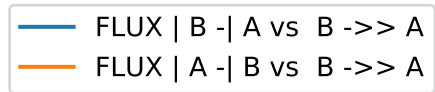
40

50

60

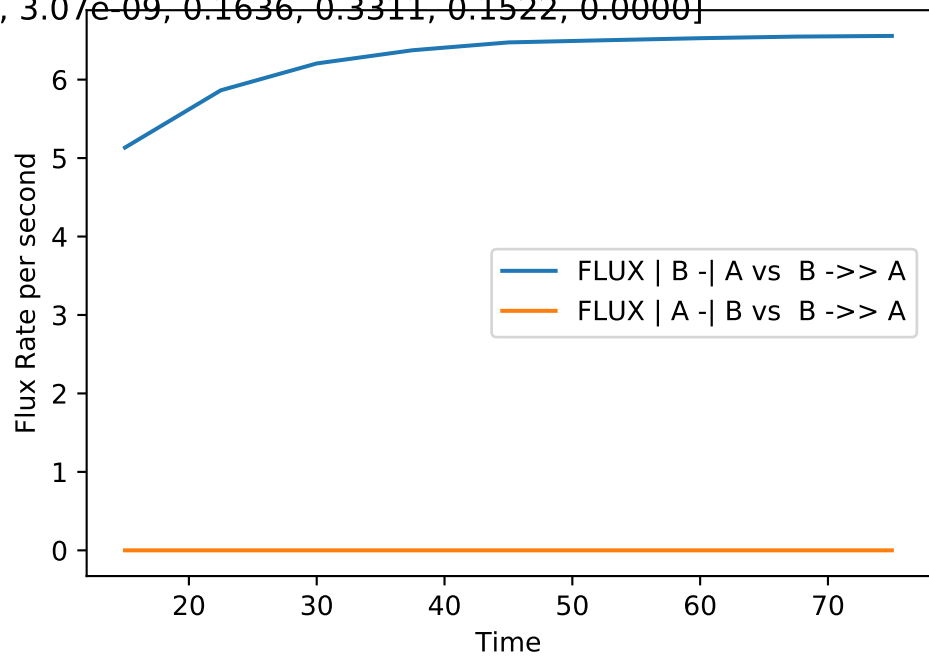
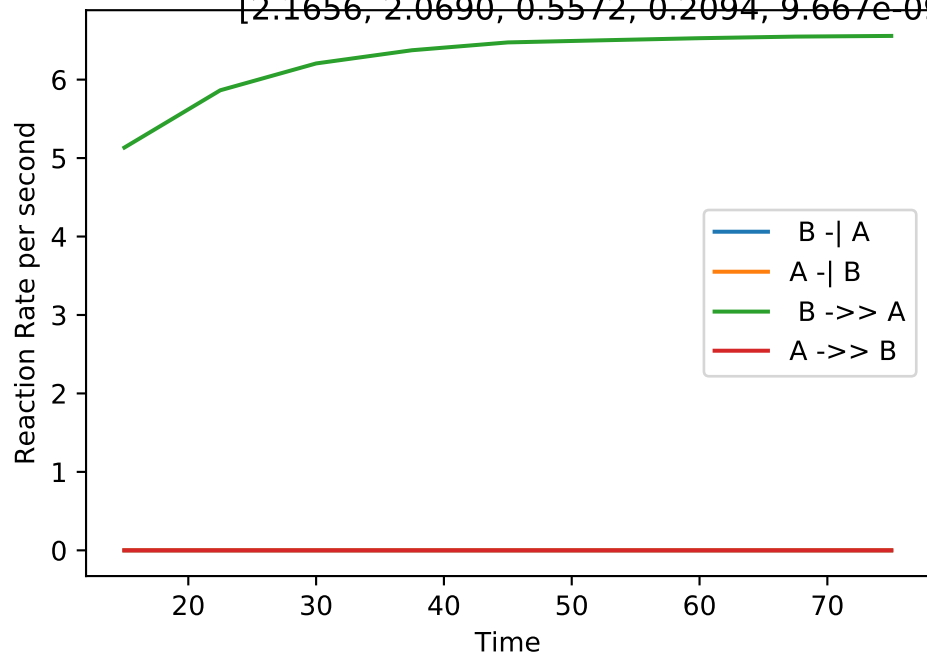
70

Time



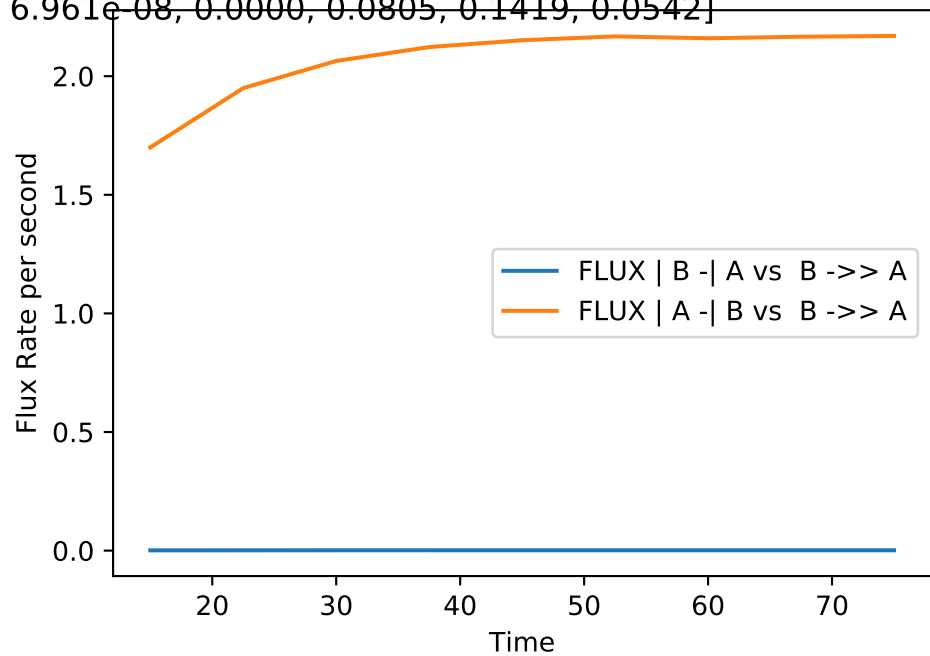
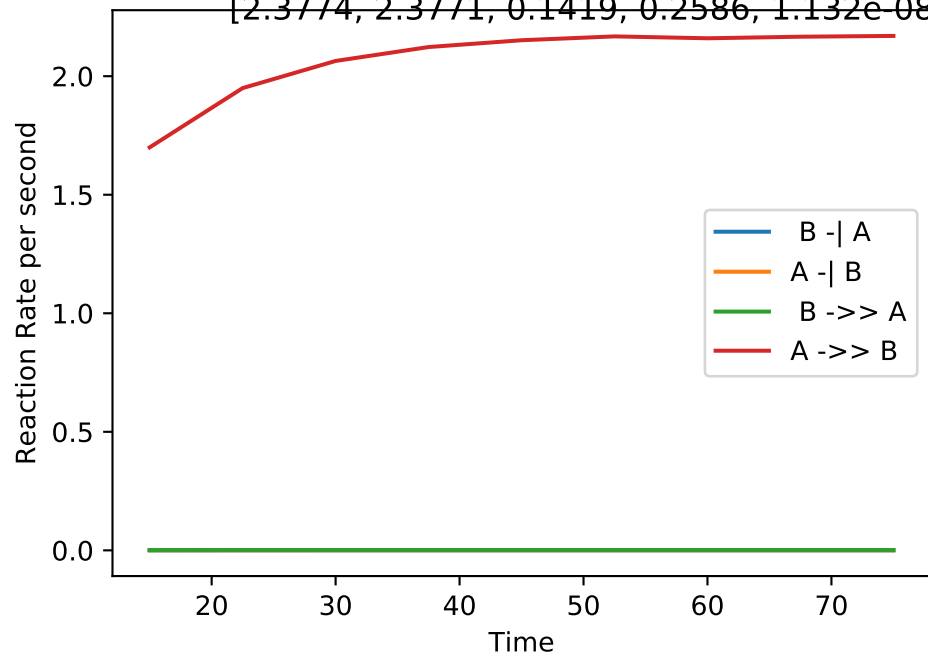
No_up | MB-LLS No_up(#349):

[2.1656, 2.0690, 0.5572, 0.2094, 9.667e-09, 3.07e-09, 0.1636, 0.3311, 0.1522, 0.0000]



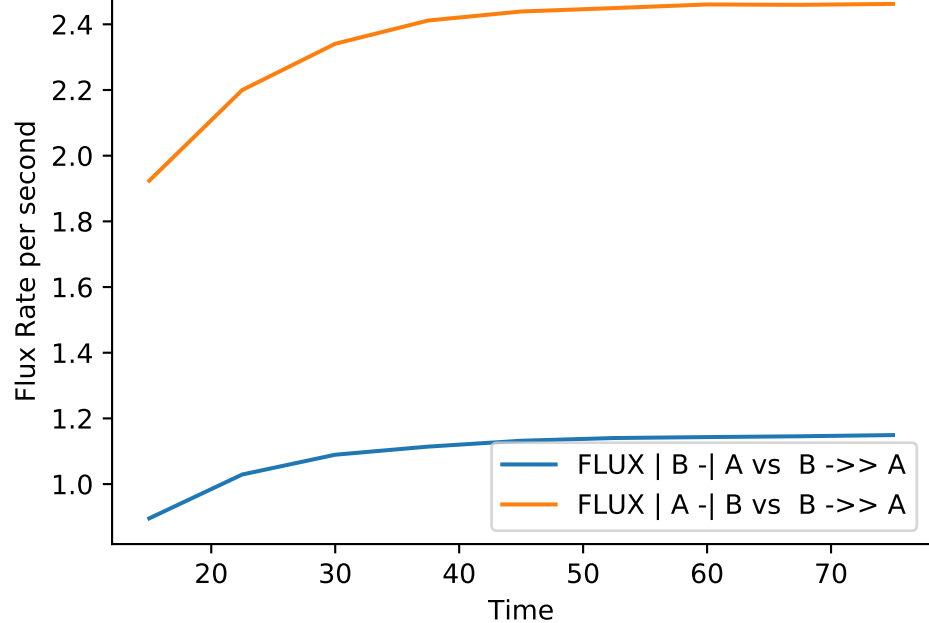
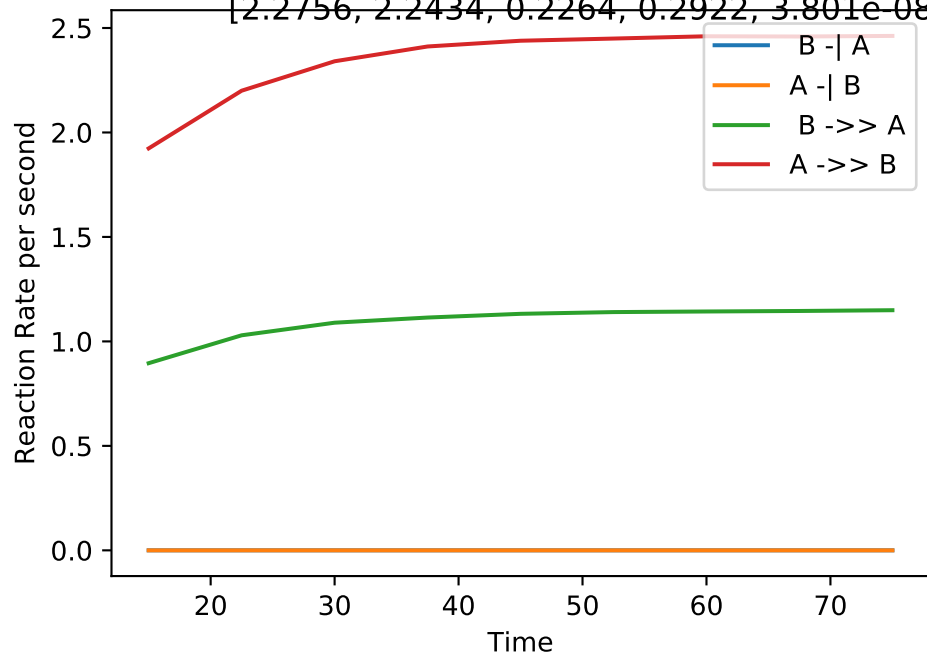
No_up | MB-LLS No_up(#350):

[2.3774, 2.3771, 0.1419, 0.2586, 1.132e-08, 6.961e-08, 0.0000, 0.0805, 0.1419, 0.0542]



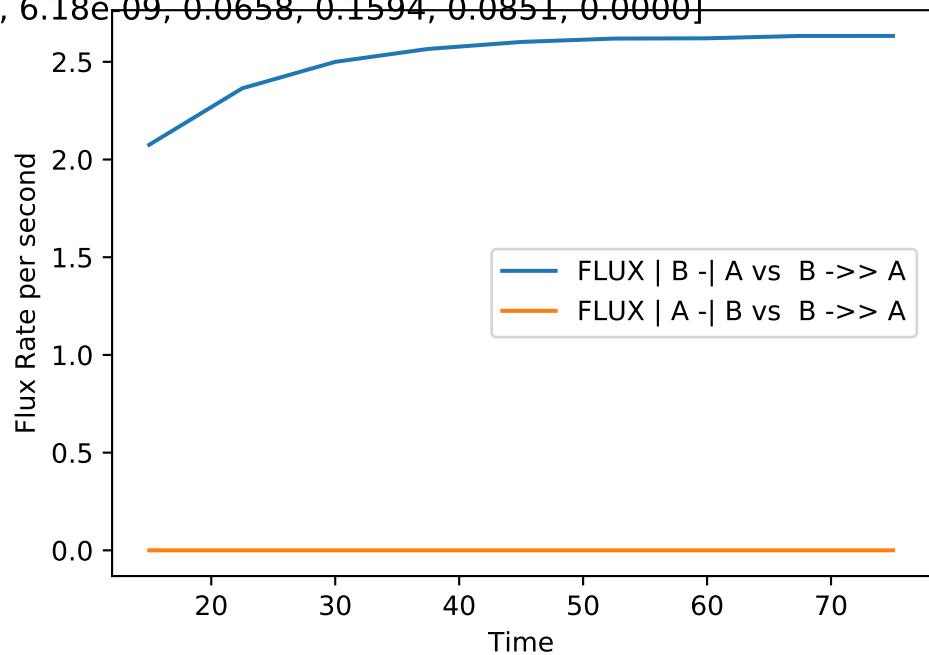
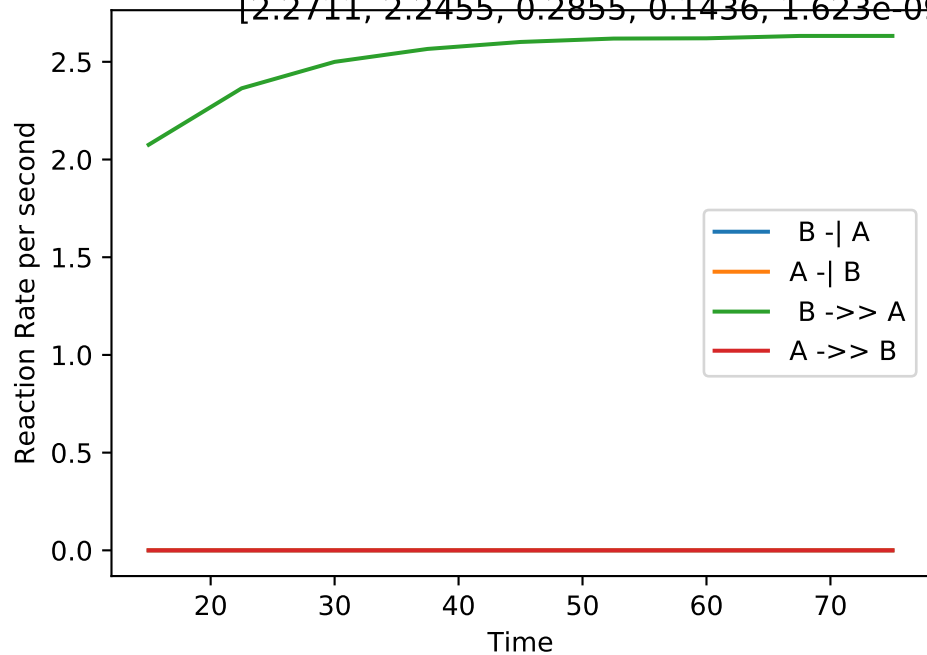
No_up | MB-LLS No_up(#351):

[2.2756, 2.2434, 0.2264, 0.2922, 3.801e-08, 4.063e-09, 0.0286, 0.1373, 0.1707, 0.0616]



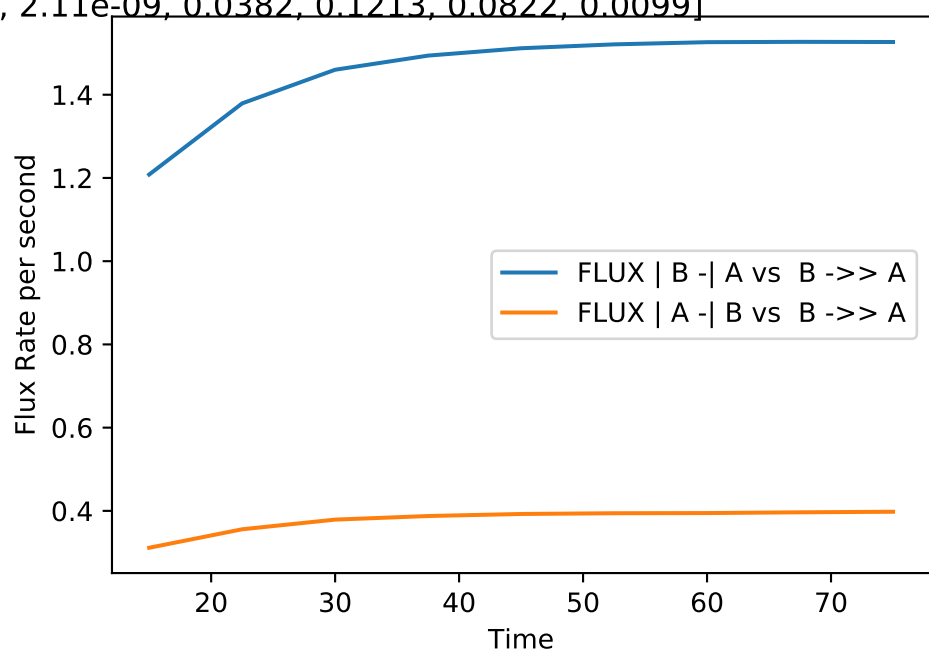
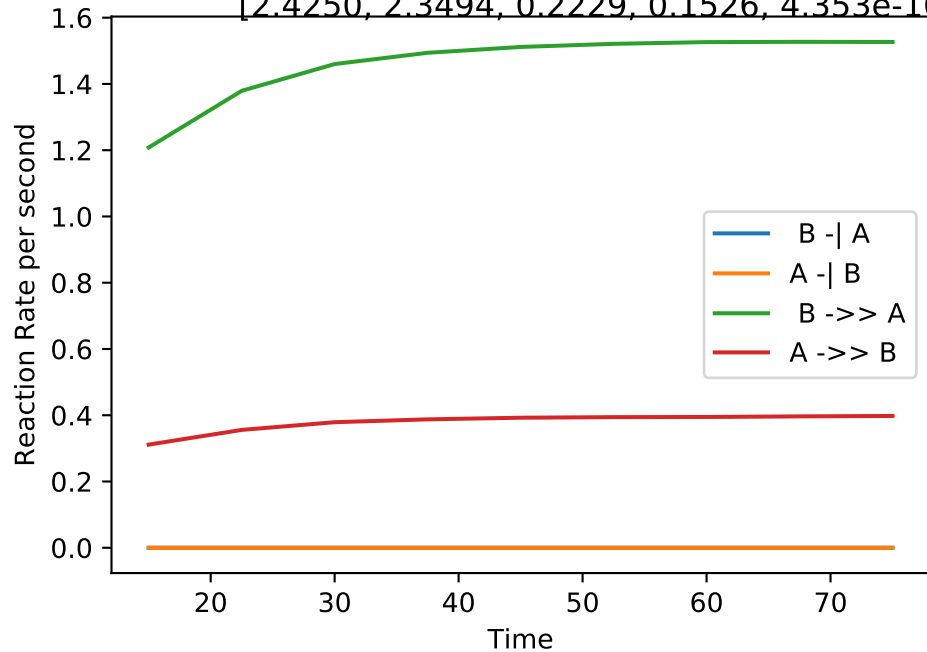
No_up | MB-LLS No_up(#352):

[2.2711, 2.2455, 0.2855, 0.1436, 1.623e-09, 6.18e-09, 0.0658, 0.1594, 0.0851, 0.0000]



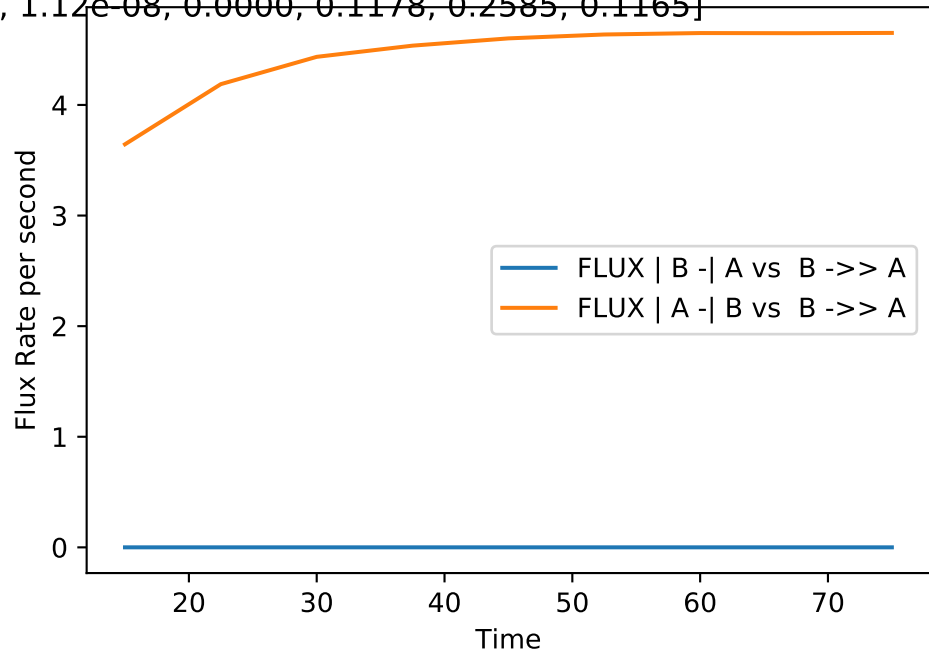
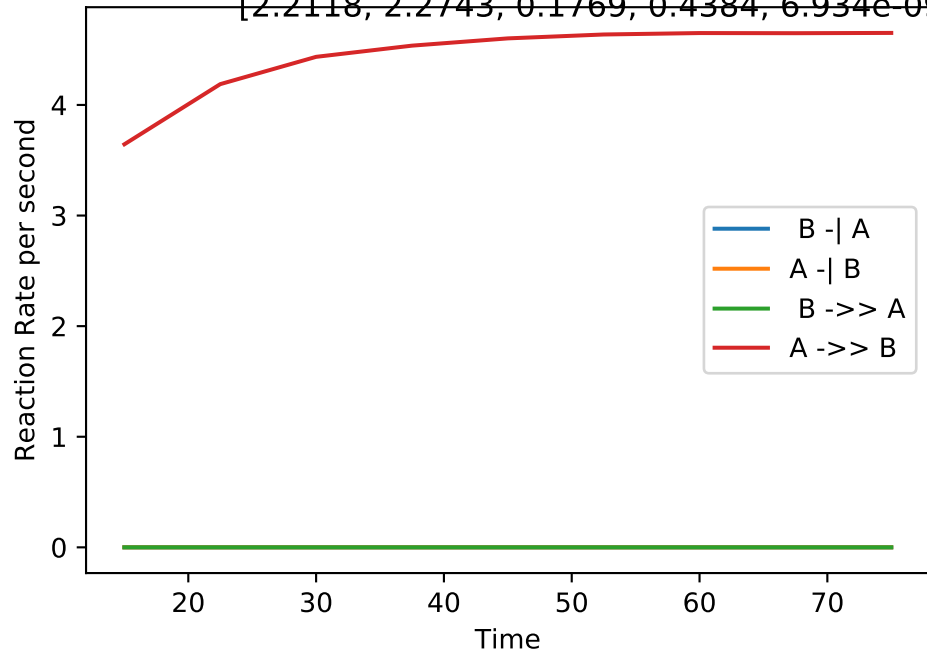
No_up | MB-LLS No_up(#353):

[2.4250, 2.3494, 0.2229, 0.1526, 4.353e-10, 2.11e-09, 0.0382, 0.1213, 0.0822, 0.0099]



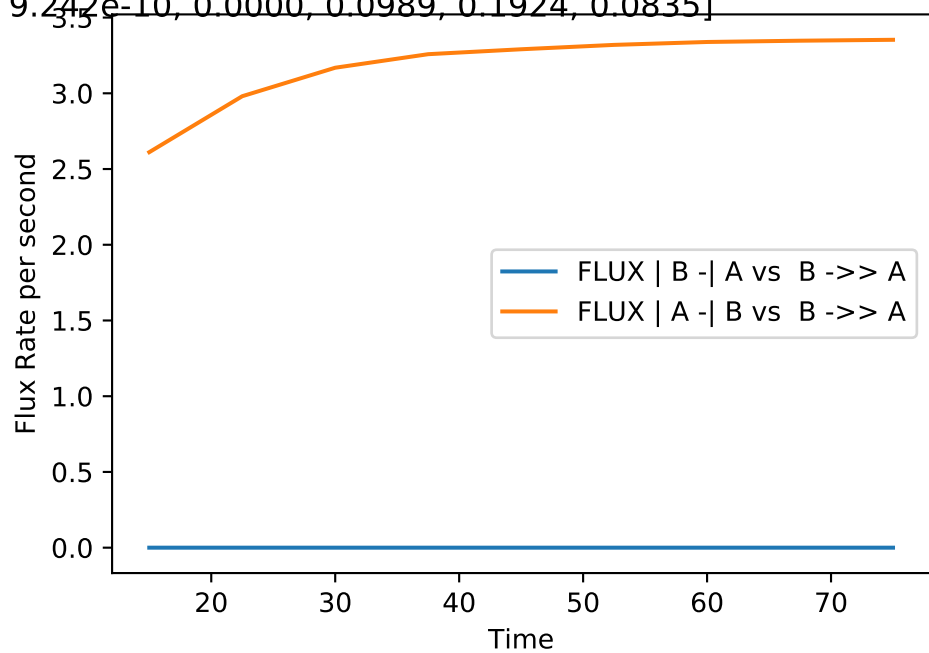
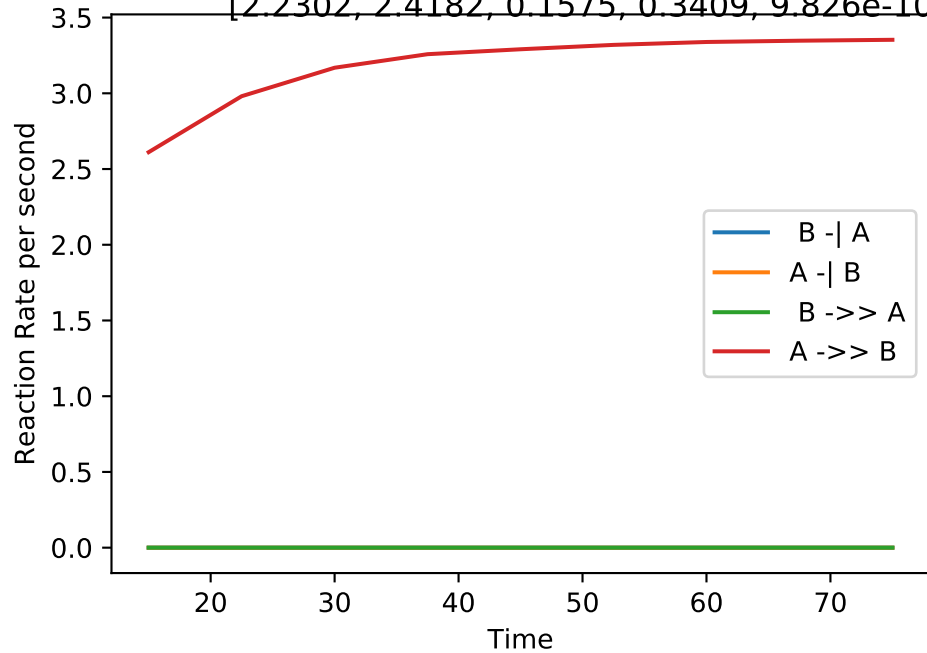
No_up | MB-LLS No_up(#354):

[2.2118, 2.2743, 0.1769, 0.4384, 6.934e-09, 1.12e-08, 0.0000, 0.1178, 0.2585, 0.1165]



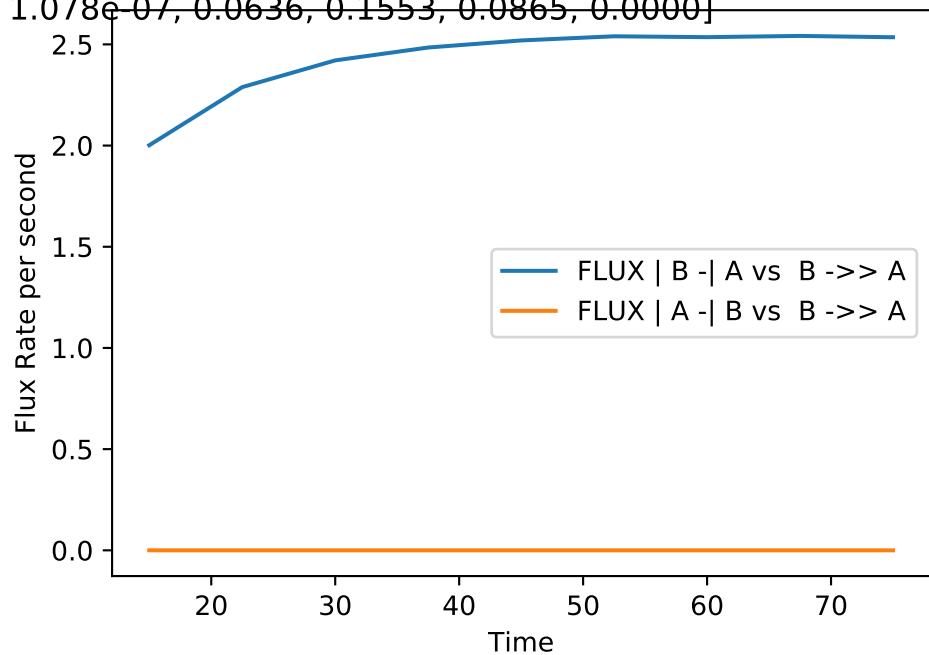
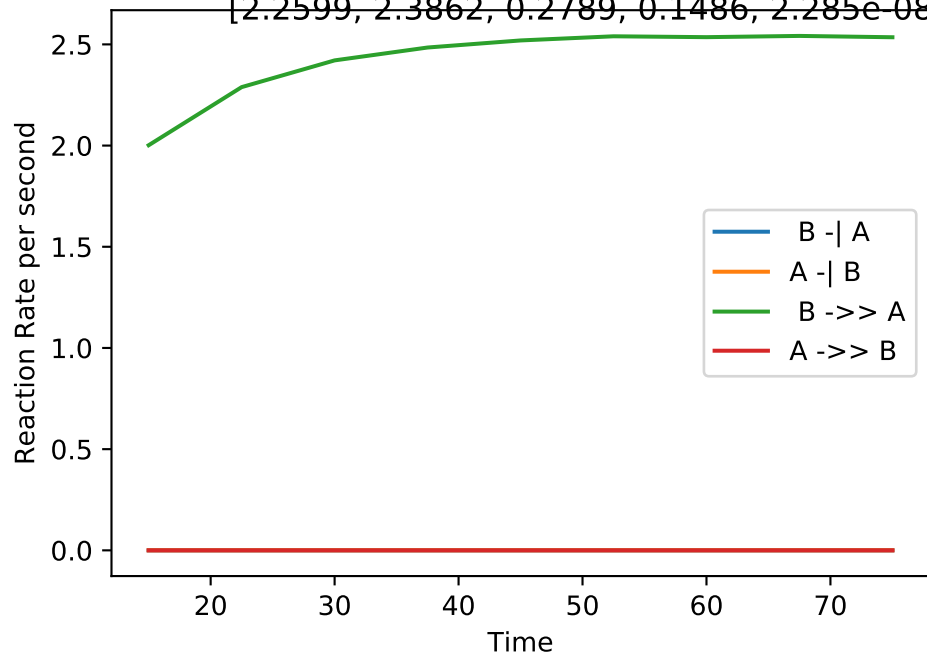
No_up | MB-LLS No_up(#355):

[2.2302, 2.4182, 0.1575, 0.3409, 9.826e-10, 9.242e-10, 0.0000, 0.0989, 0.1924, 0.0835]



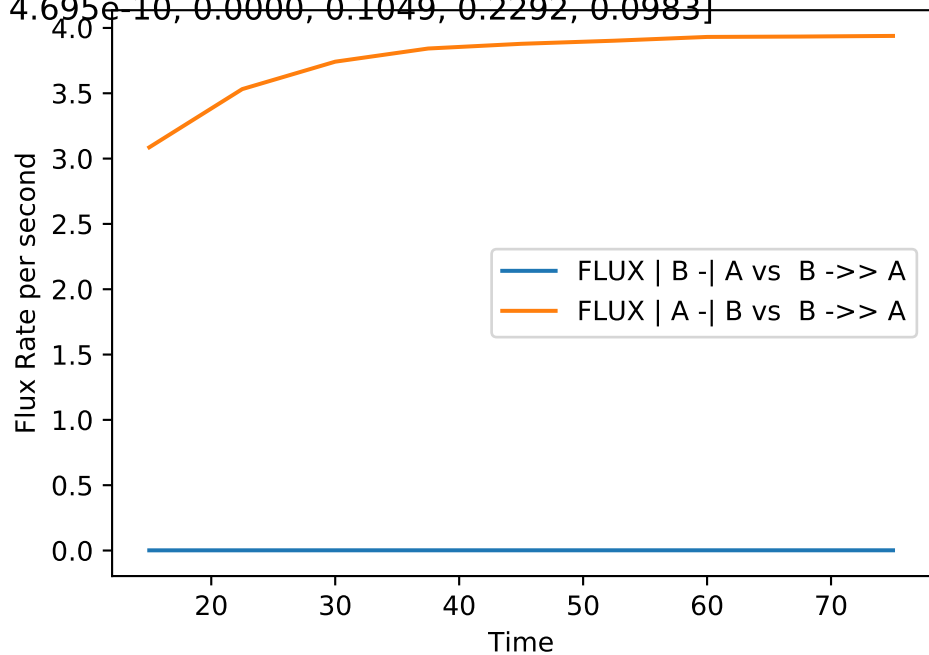
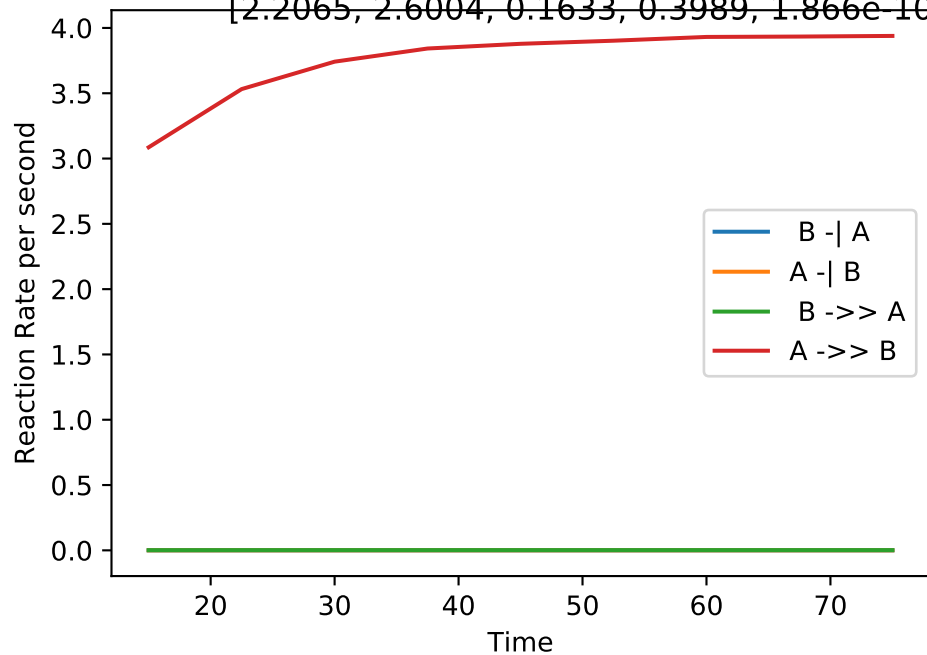
No_up | MB-LLS No_up(#356):

[2.2599, 2.3862, 0.2789, 0.1486, 2.285e-08, 1.078e-07, 0.0636, 0.1553, 0.0865, 0.0000]



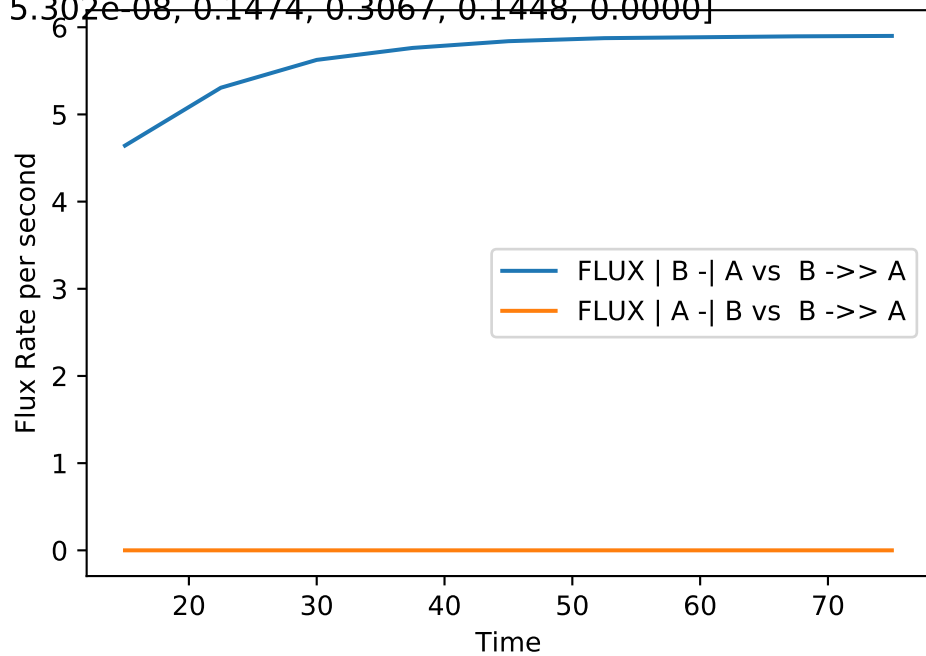
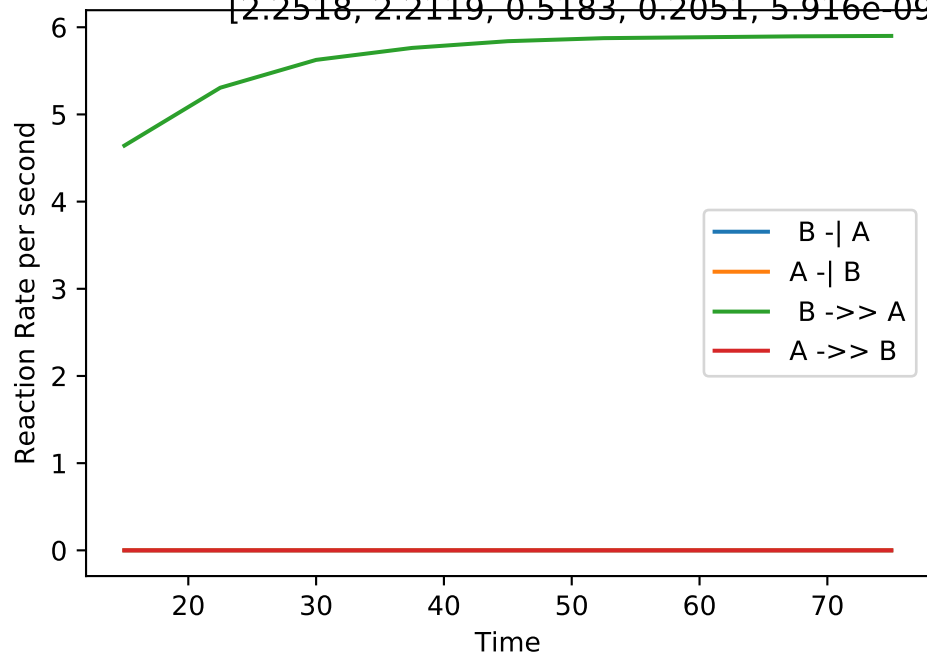
No_up | MB-LLS No_up(#357):

[2.2065, 2.6004, 0.1633, 0.3989, 1.866e-10, 4.695e-10, 0.0000, 0.1049, 0.2292, 0.0983]



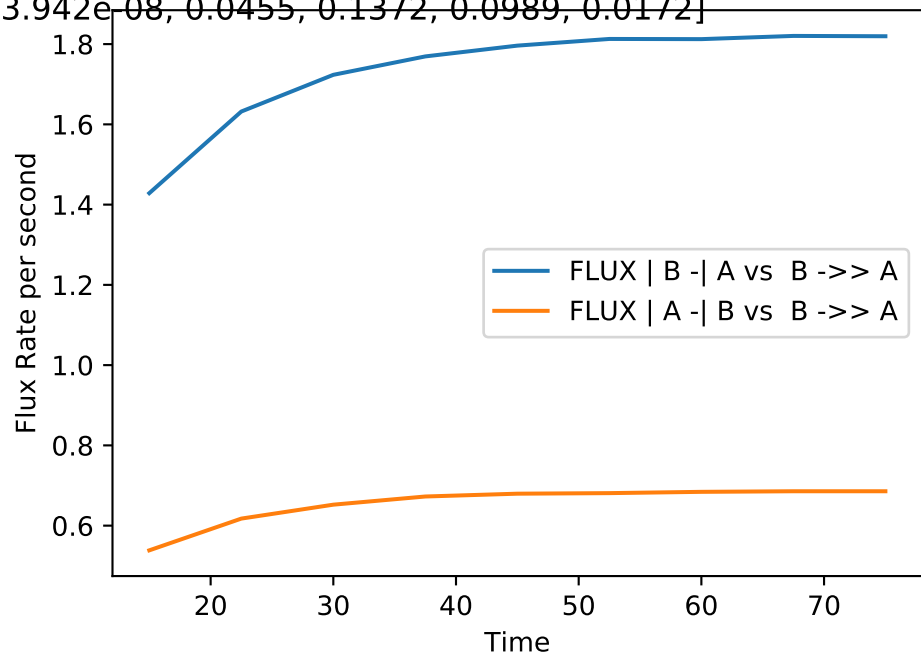
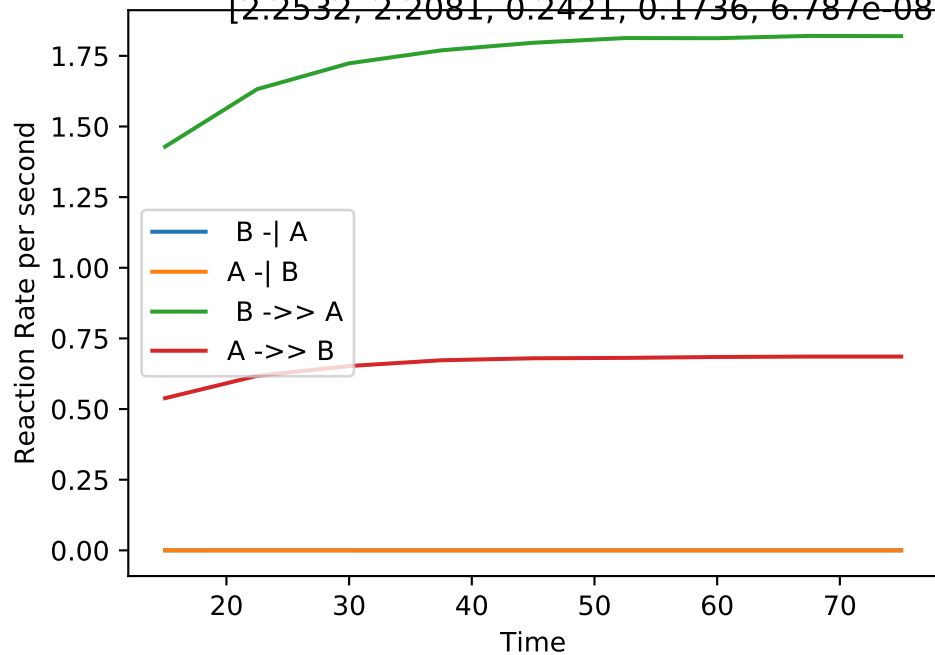
No_up | MB-LLS No_up(#358):

[2.2518, 2.2119, 0.5183, 0.2051, 5.916e-09, 5.302e-08, 0.1474, 0.3067, 0.1448, 0.0000]



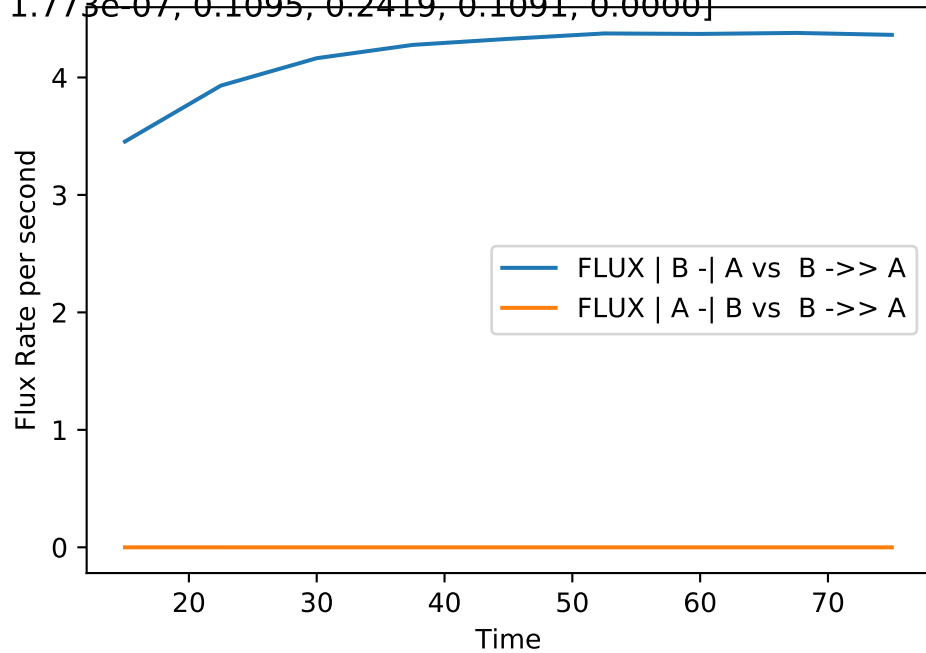
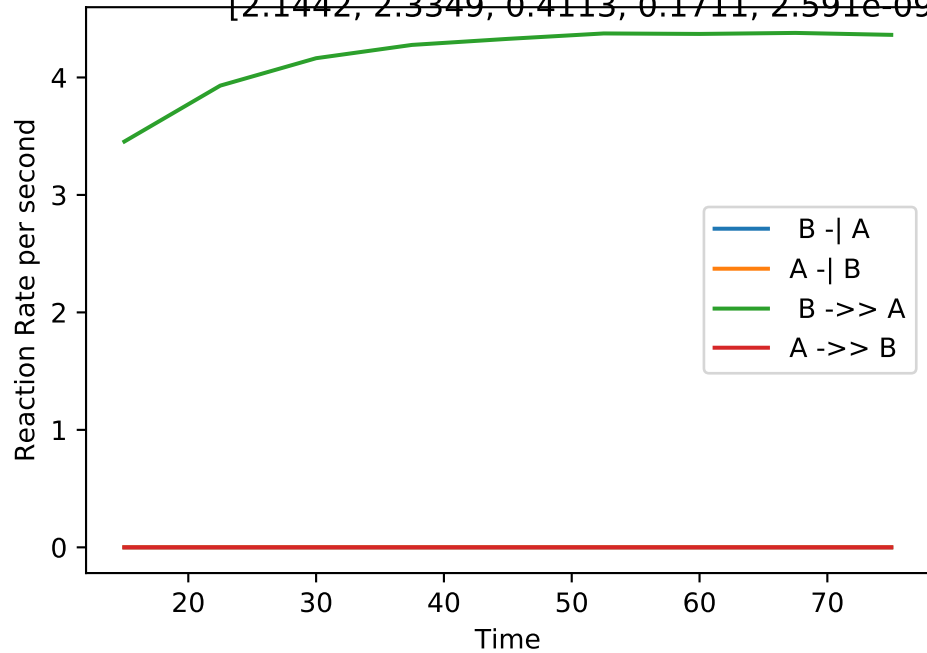
No_up | MB-LLS No_up(#359):

[2.2532, 2.2081, 0.2421, 0.1736, 6.787e-08, 3.942e-08, 0.0455, 0.1372, 0.0989, 0.0172]



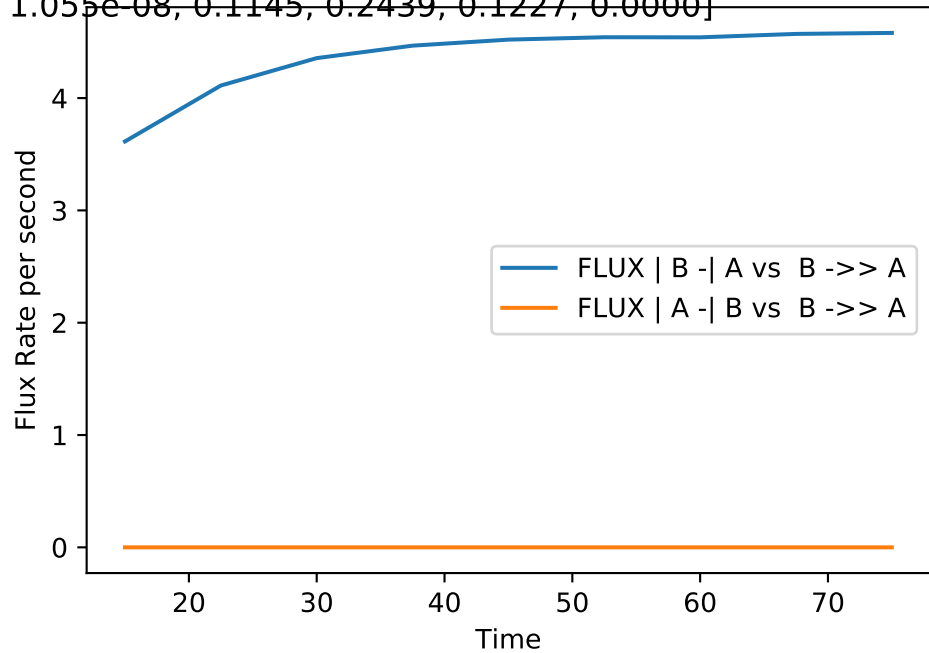
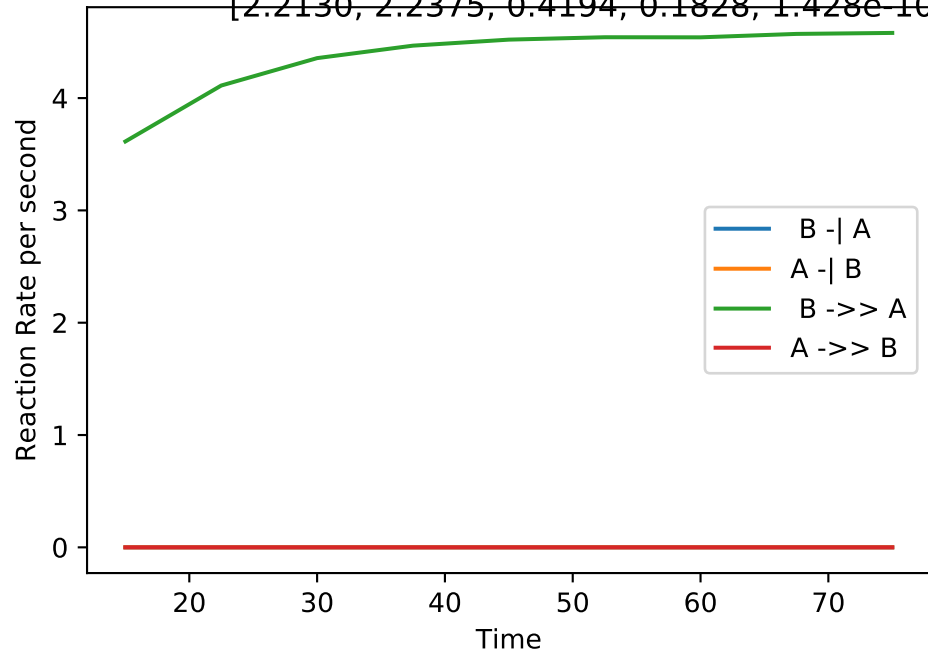
No_up | MB-LLS No_up(#360):

[2.1442, 2.3349, 0.4113, 0.1711, 2.591e-09, 1.773e-07, 0.1095, 0.2419, 0.1091, 0.0000]



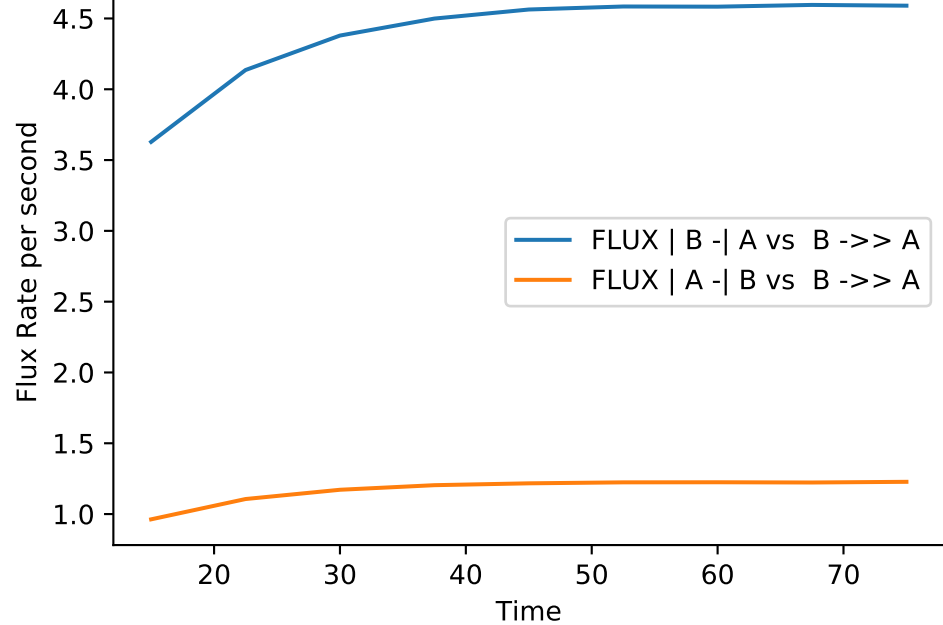
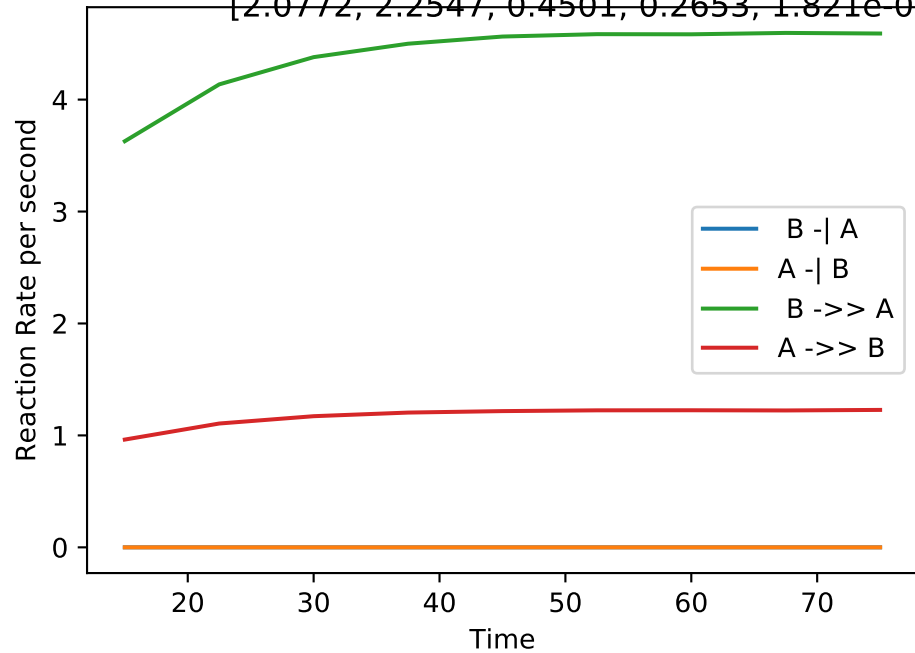
No_up | MB-LLS No_up(#361):

[2.2130, 2.2375, 0.4194, 0.1828, 1.428e-10, 1.055e-08, 0.1145, 0.2439, 0.1227, 0.0000]



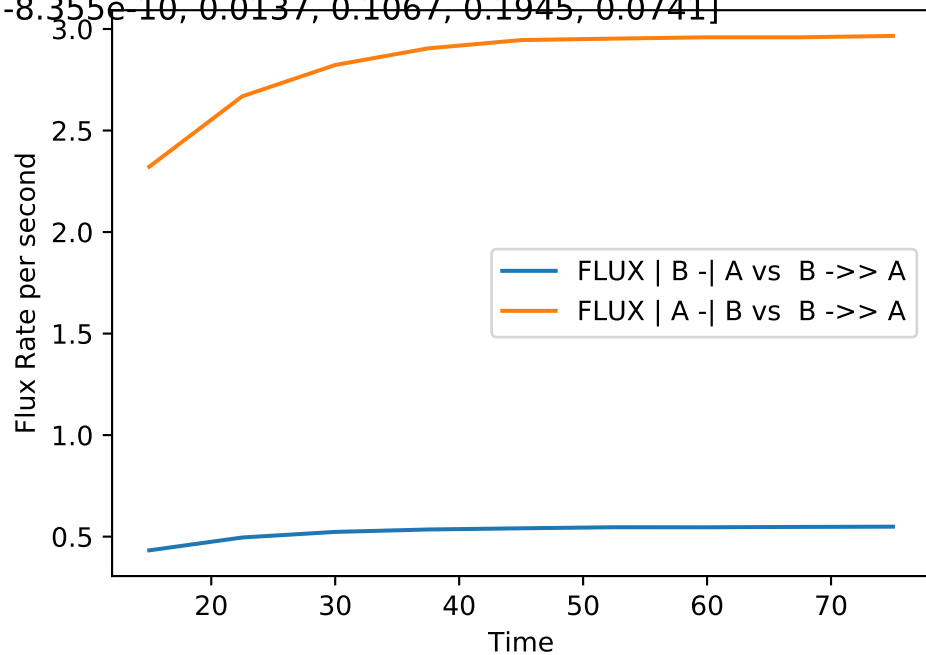
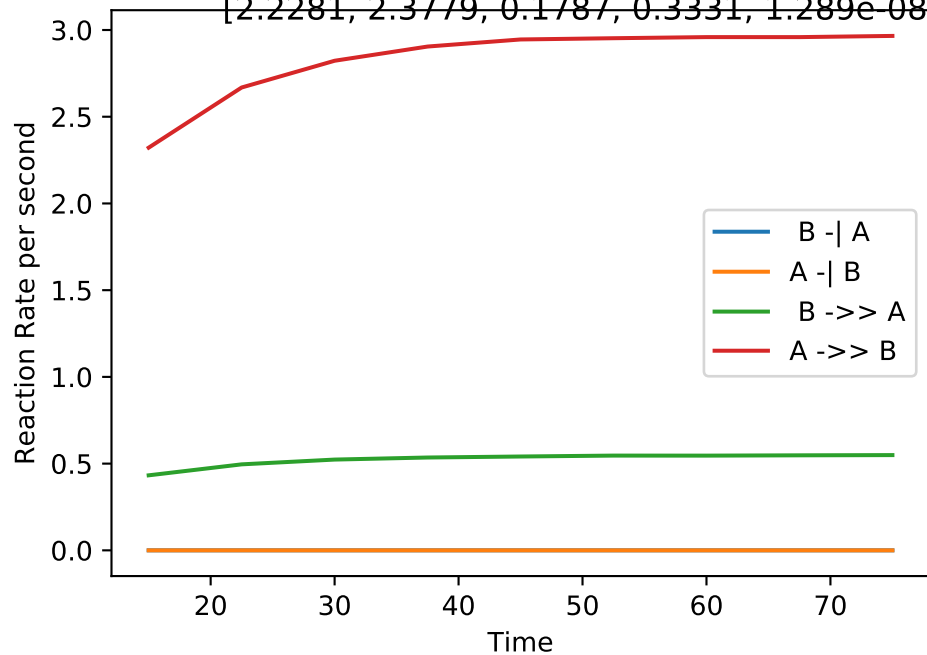
No_up | MB-LLS No_up(#362):

[2.0772, 2.2547, 0.4501, 0.2653, 1.821e-08, 1.685e-09, 0.1152, 0.2755, 0.1726, 0.0308]



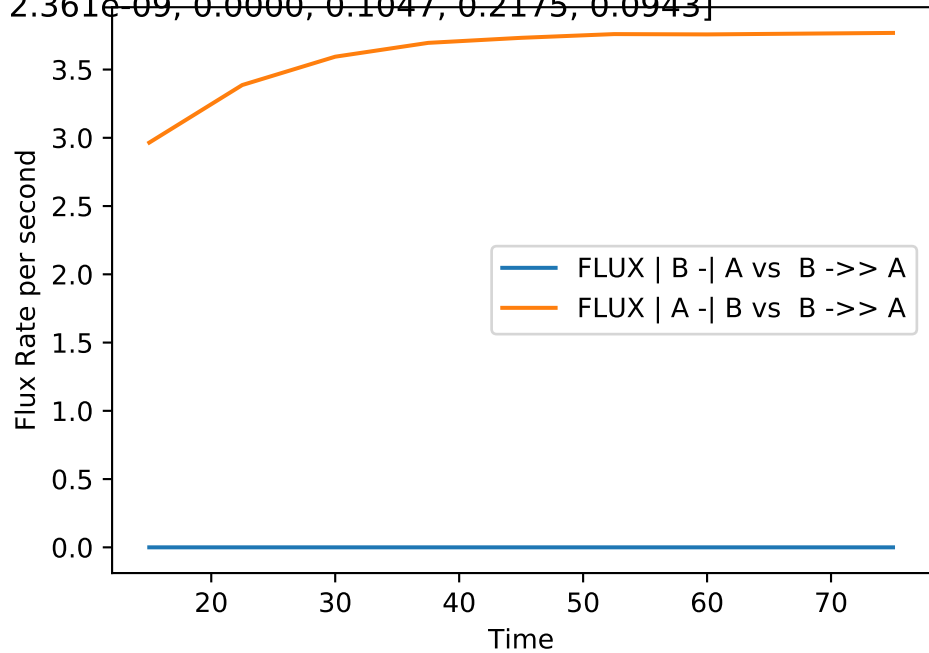
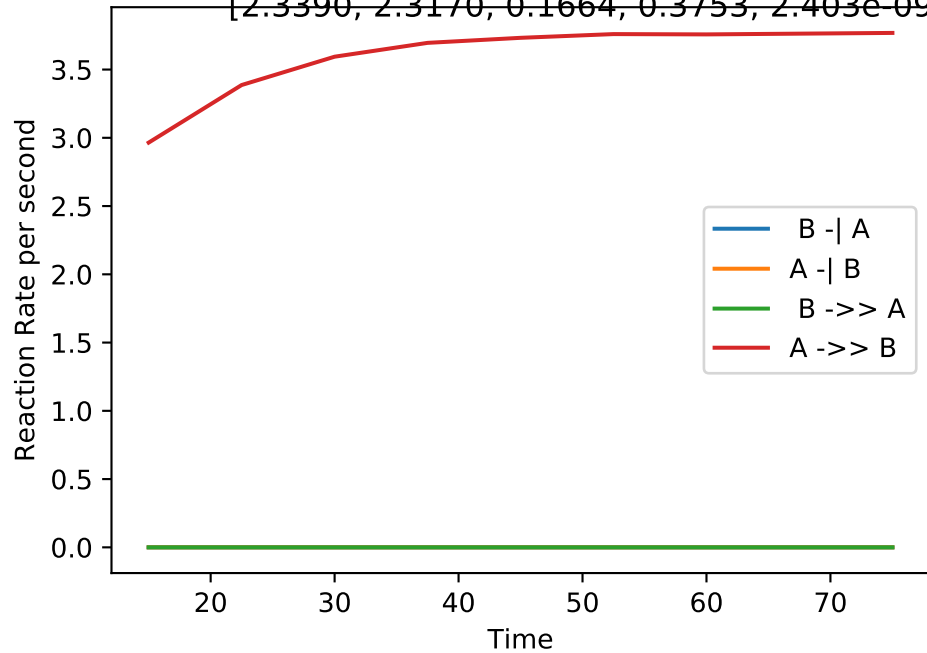
No_up | MB-LLS No_up(#363):

[2.2281, 2.3779, 0.1787, 0.3331, 1.289e-08, -8.355e-10, 0.0137, 0.1067, 0.1945, 0.0741]



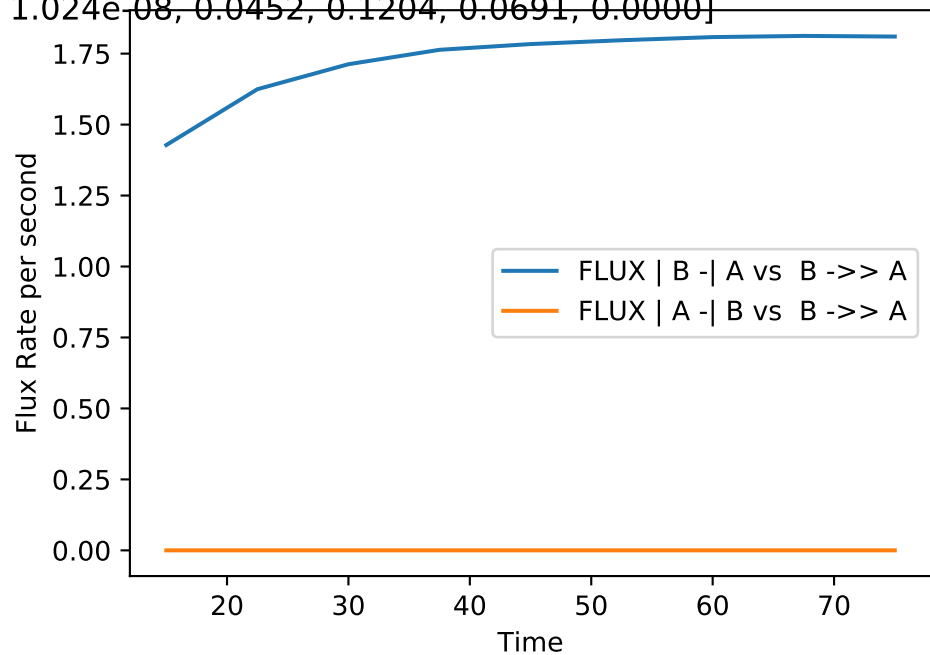
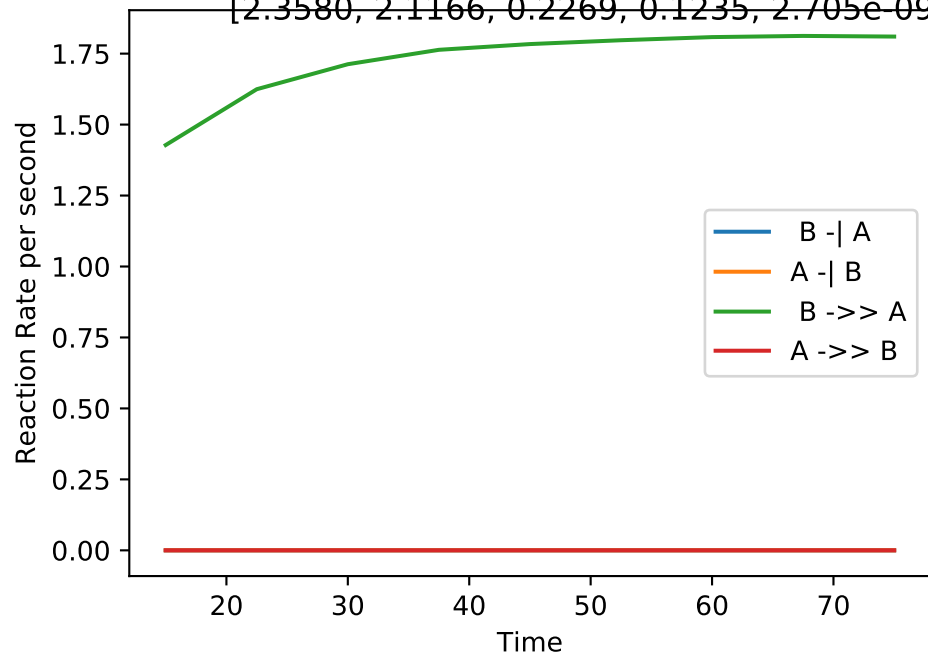
No_up | MB-LLS No_up(#364):

[2.3390, 2.3170, 0.1664, 0.3753, 2.403e-09, 2.361e-09, 0.0000, 0.1047, 0.2175, 0.0943]



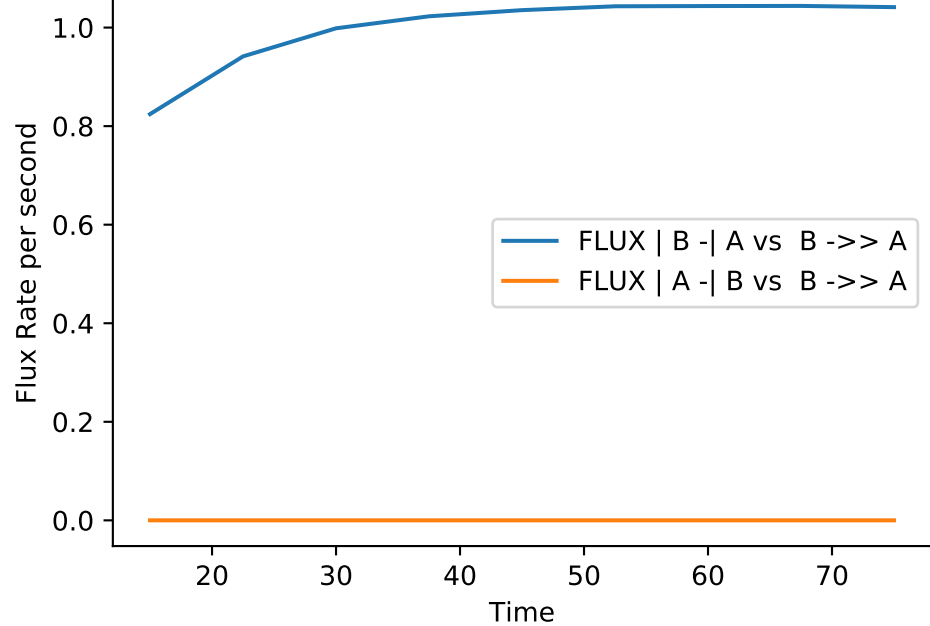
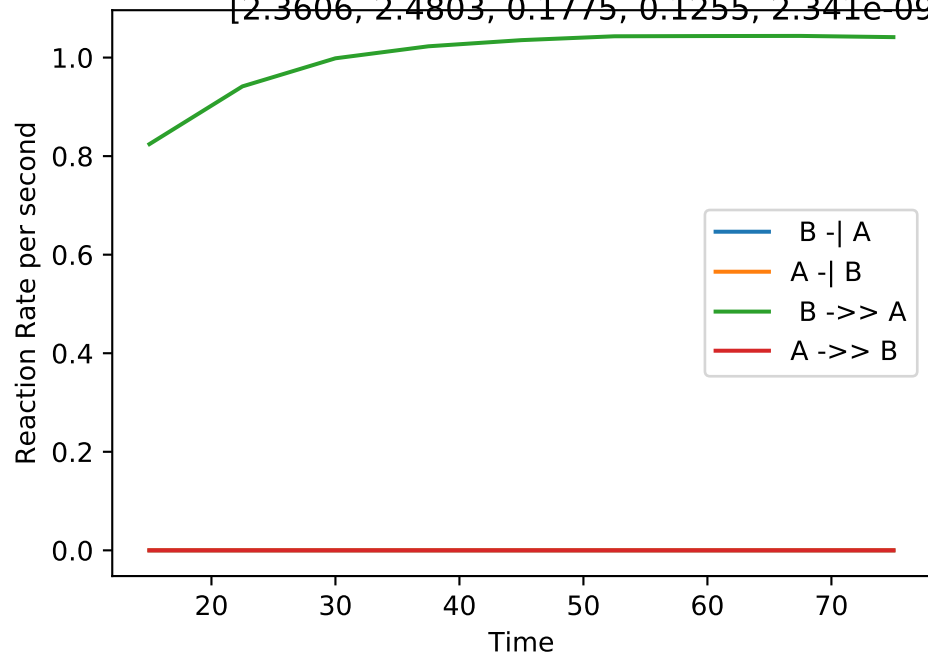
No_up | MB-LLS No_up(#365):

[2.3580, 2.1166, 0.2269, 0.1235, 2.705e-09, 1.024e-08, 0.0452, 0.1204, 0.0691, 0.0000]



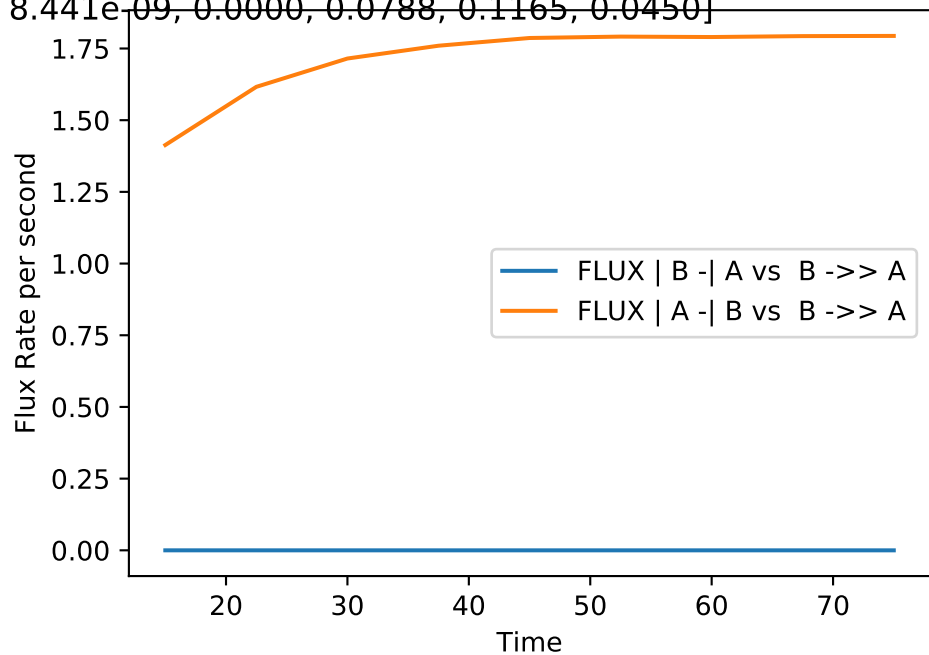
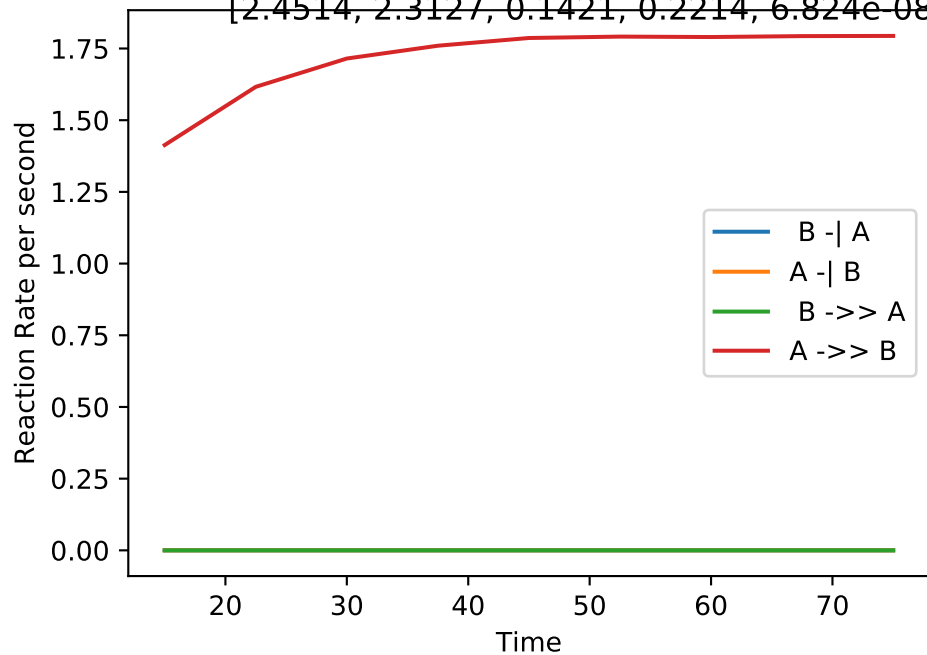
No_up | MB-LLS No_up(#366):

[2.3606, 2.4803, 0.1775, 0.1255, 2.341e-09, 7.879e-09, 0.0262, 0.0908, 0.0623, 0.0000]



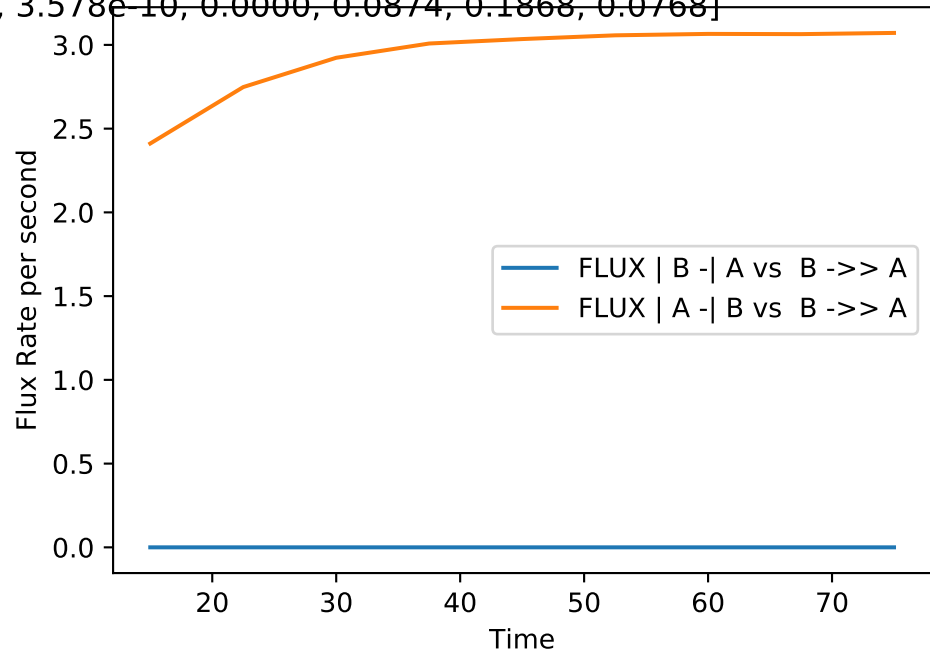
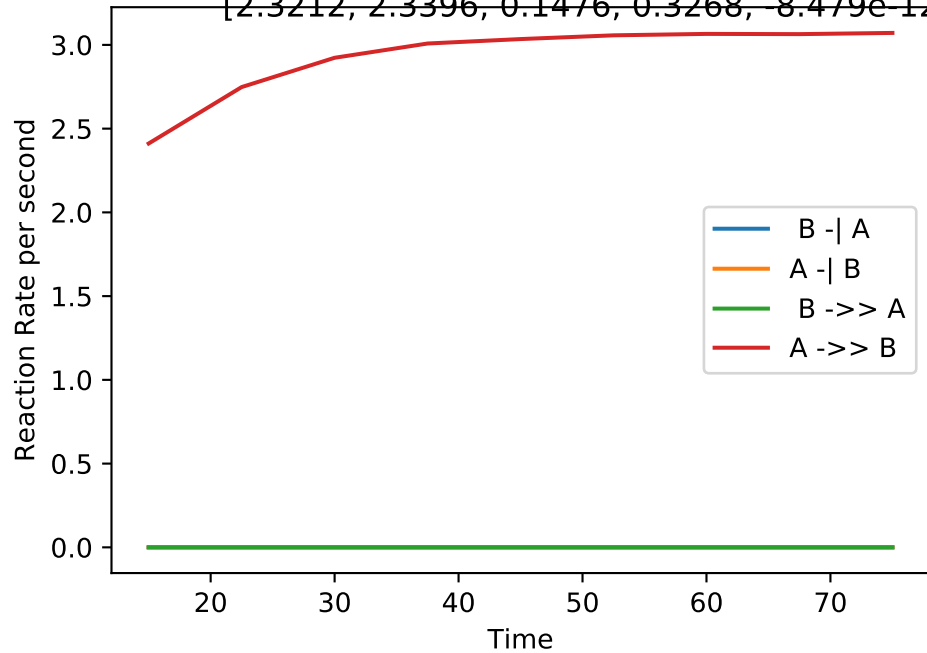
No_up | MB-LLS No_up(#367):

[2.4514, 2.3127, 0.1421, 0.2214, 6.824e-08, 8.441e-09, 0.0000, 0.0788, 0.1165, 0.0450]



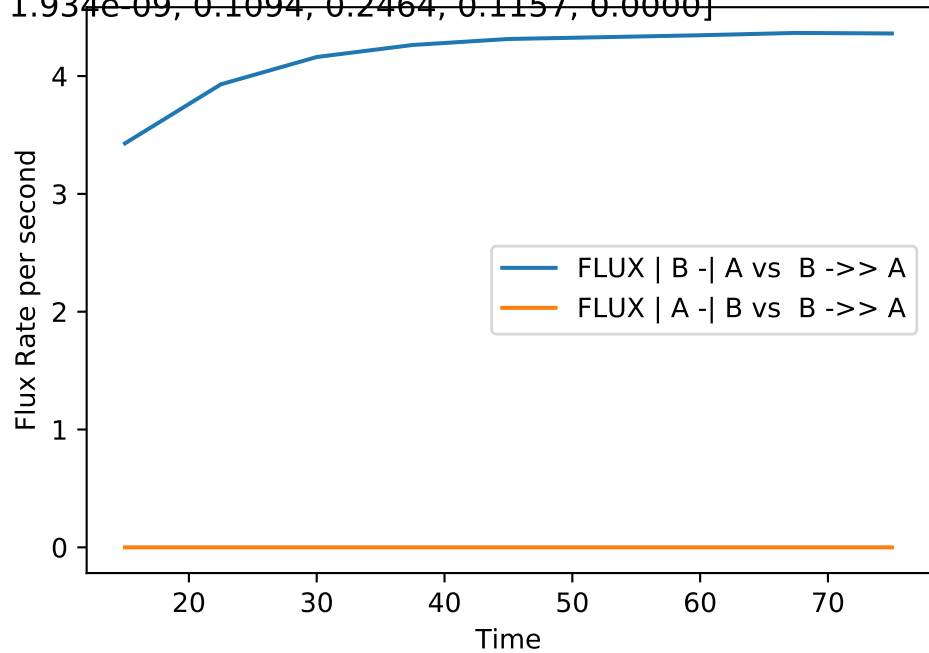
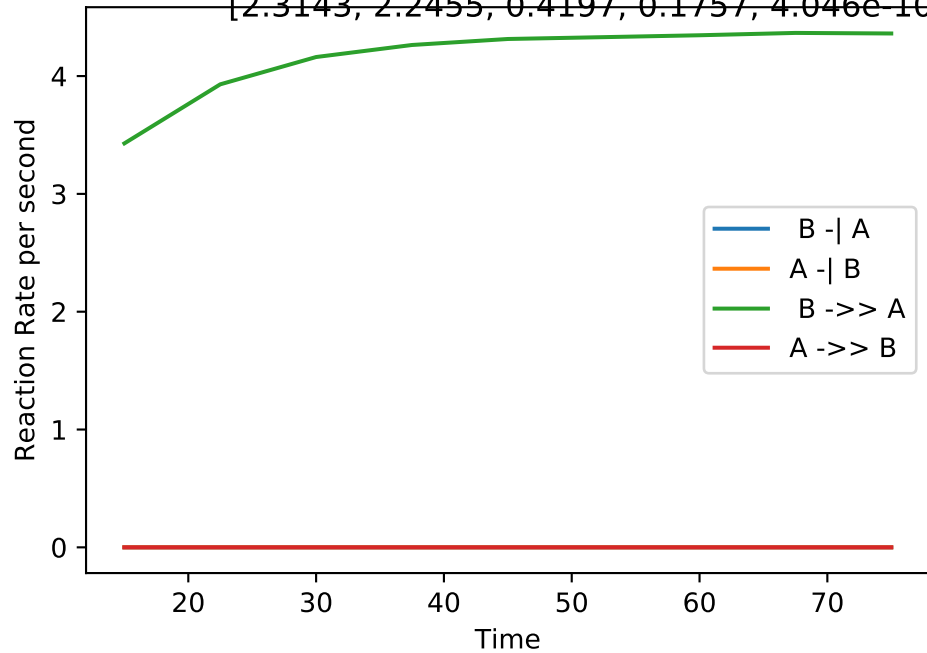
No_up | MB-LLS No_up(#368):

[2.3212, 2.3396, 0.1476, 0.3268, -8.479e-12, 3.578e-10, 0.0000, 0.0874, 0.1868, 0.0768]



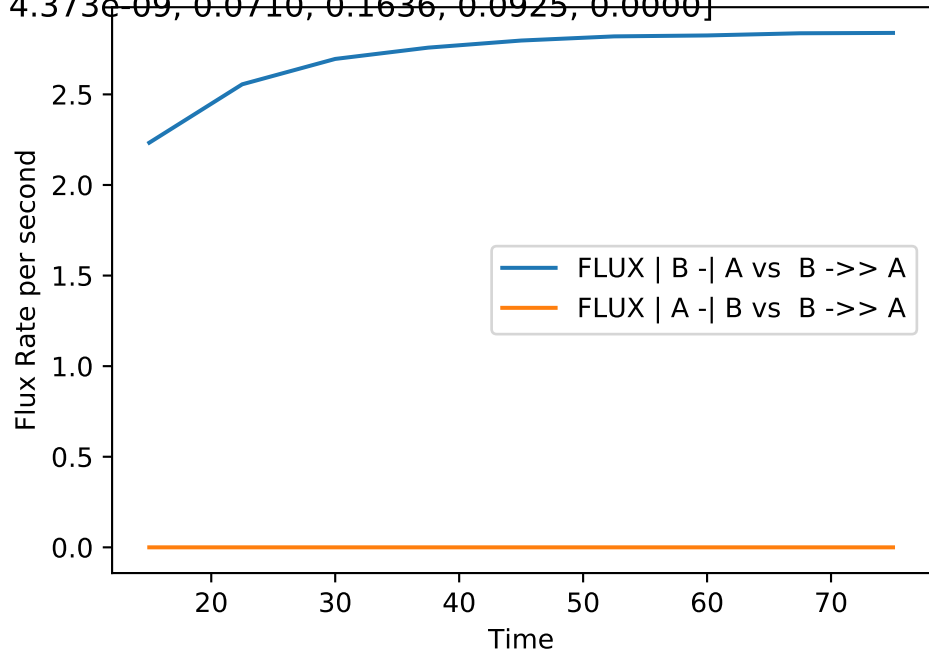
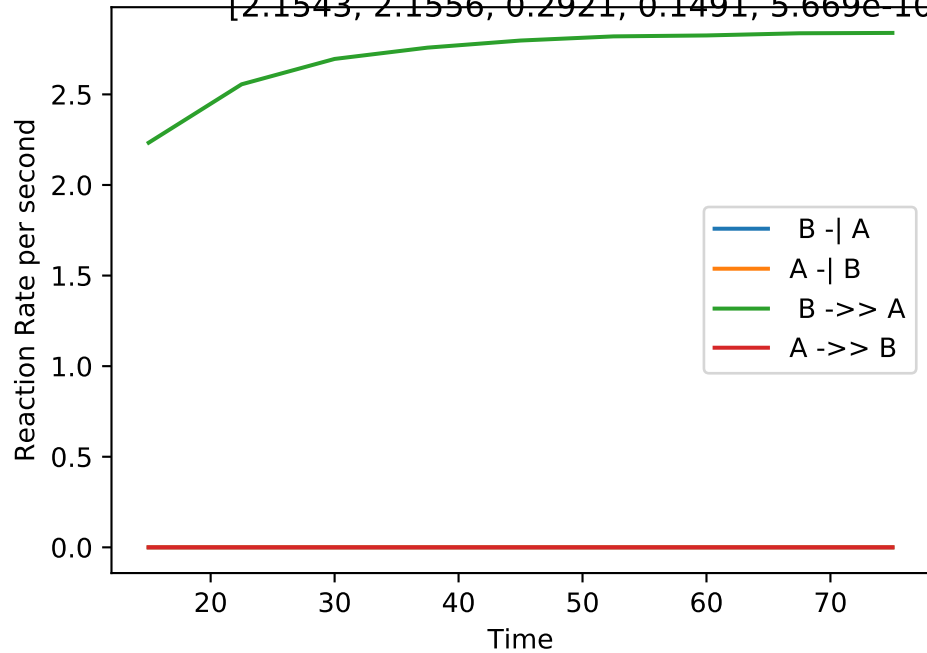
No_up | MB-LLS No_up(#369):

[2.3143, 2.2455, 0.4197, 0.1757, 4.046e-10, 1.934e-09, 0.1094, 0.2464, 0.1157, 0.0000]



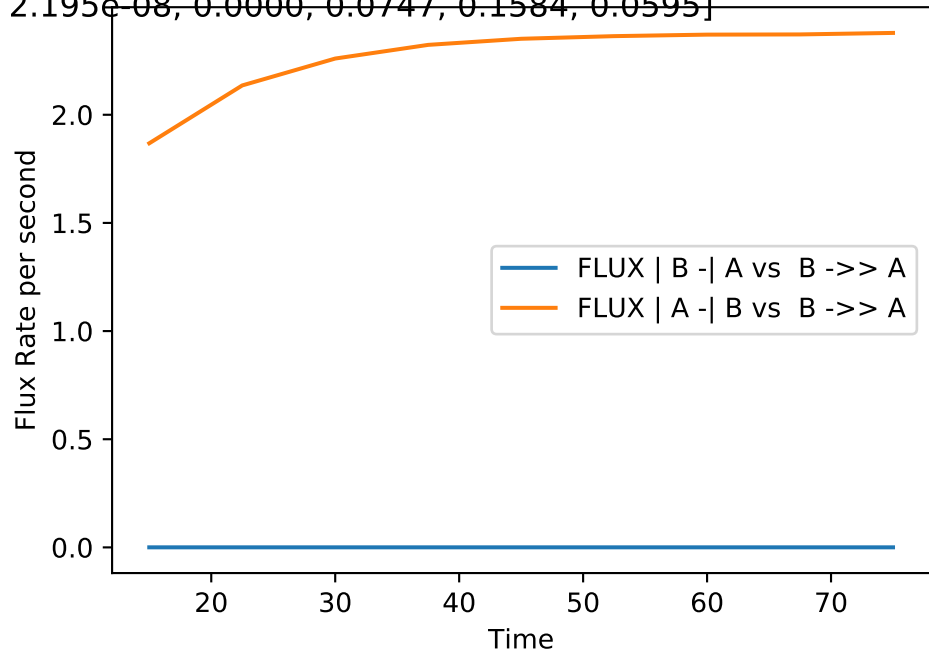
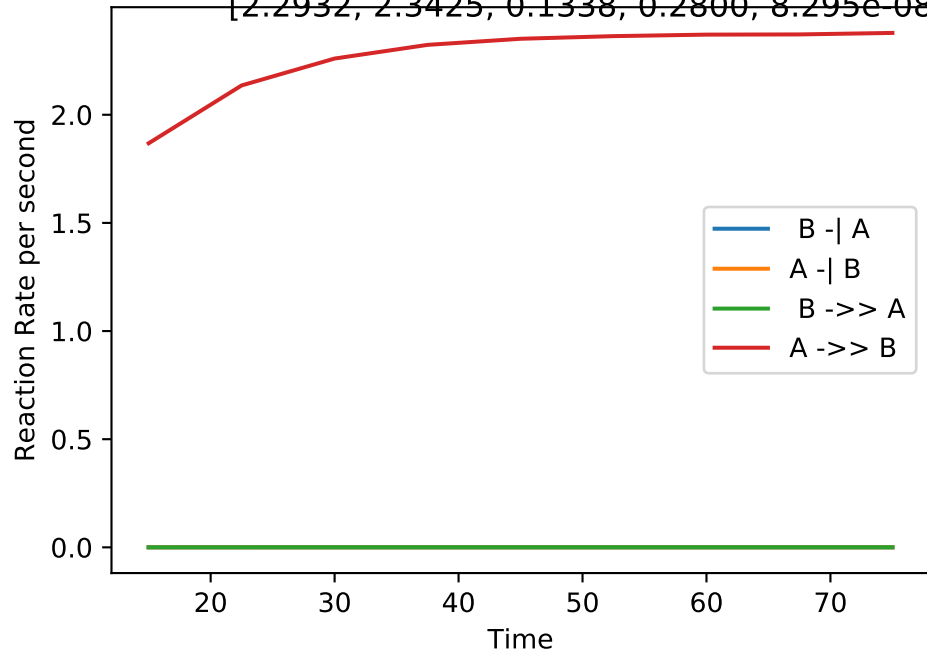
No_up | MB-LLS No_up(#370):

[2.1543, 2.1556, 0.2921, 0.1491, 5.669e-10, 4.373e-09, 0.0710, 0.1636, 0.0925, 0.0000]



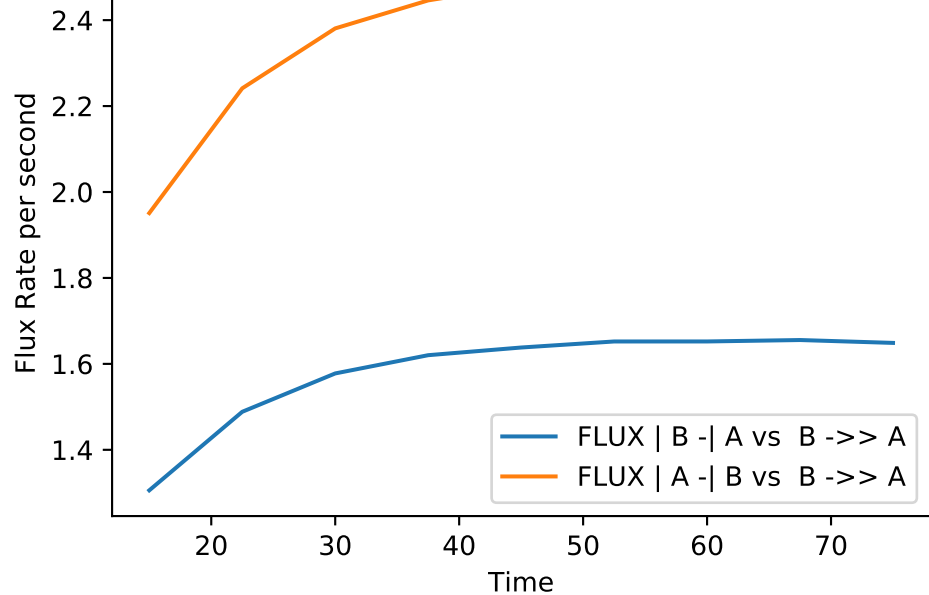
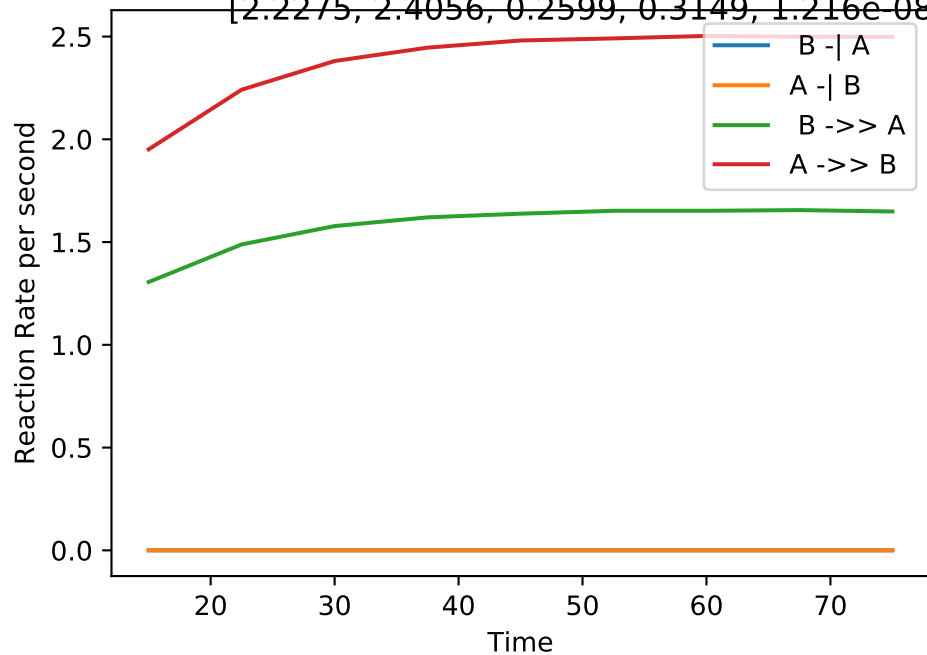
No_up | MB-LLS No_up(#371):

[2.2932, 2.3425, 0.1338, 0.2800, 8.295e-08, 2.195e-08, 0.0000, 0.0747, 0.1584, 0.0595]



No_up | MB-LLS No_up(#372):

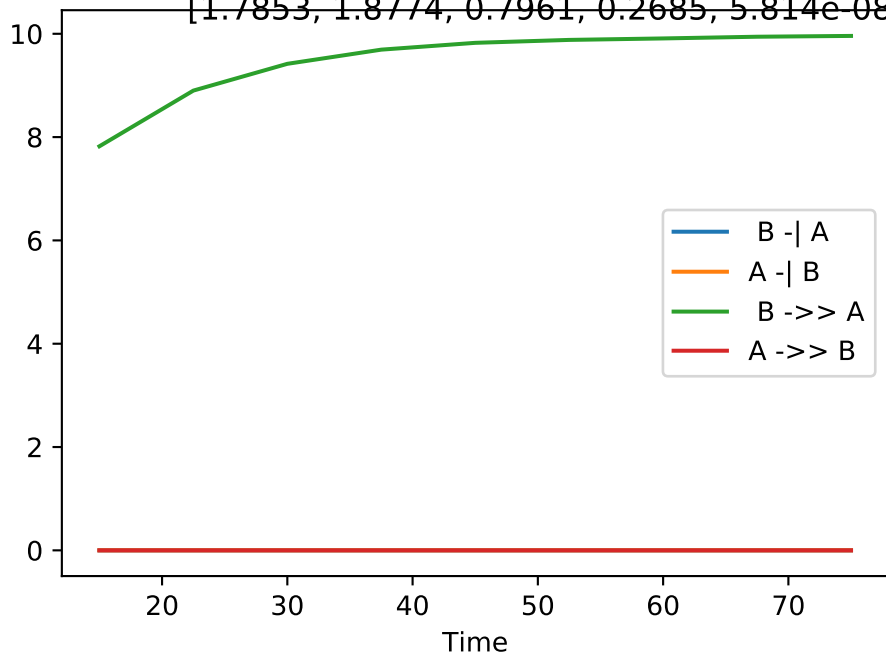
[2.2275, 2.4056, 0.2599, 0.3149, 1.216e-08, 8.919e-08, 0.0415, 0.1584, 0.1867, 0.0626]



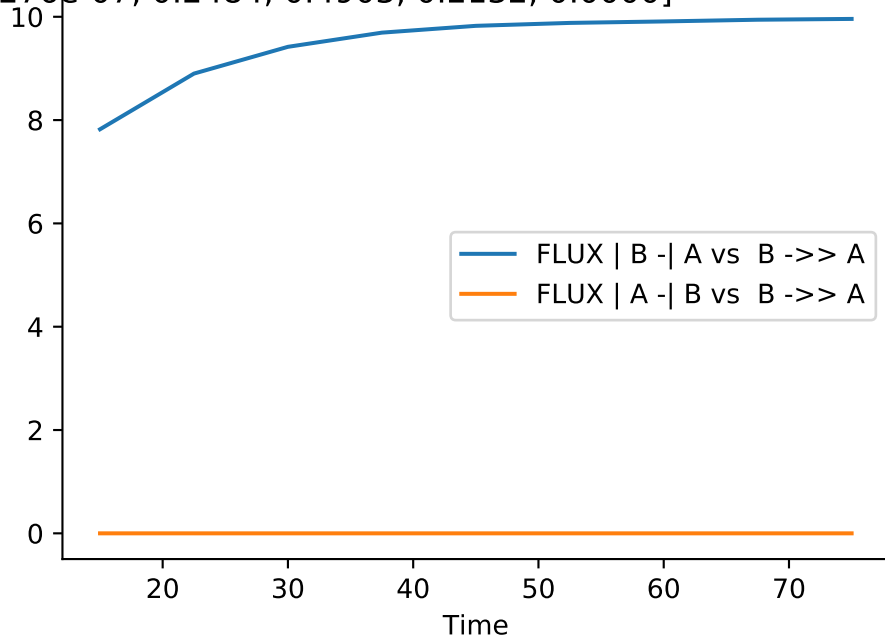
No_up | MB-LLS No_up(#373):

[1.7853, 1.8774, 0.7961, 0.2685, 5.814e-08, 1.276e-07, 0.2484, 0.4903, 0.2132, 0.0000]

Reaction Rate per second

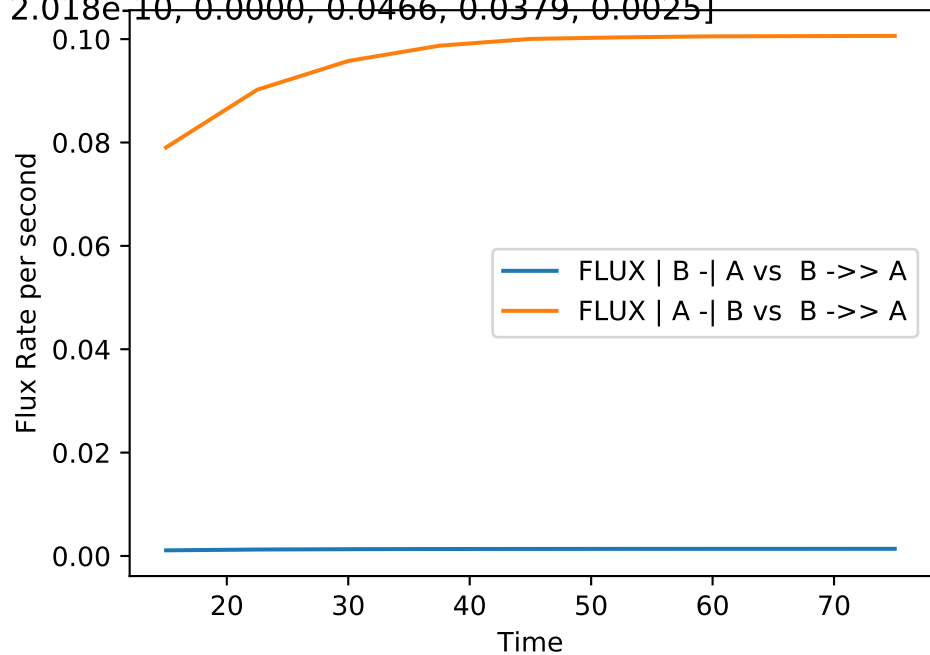
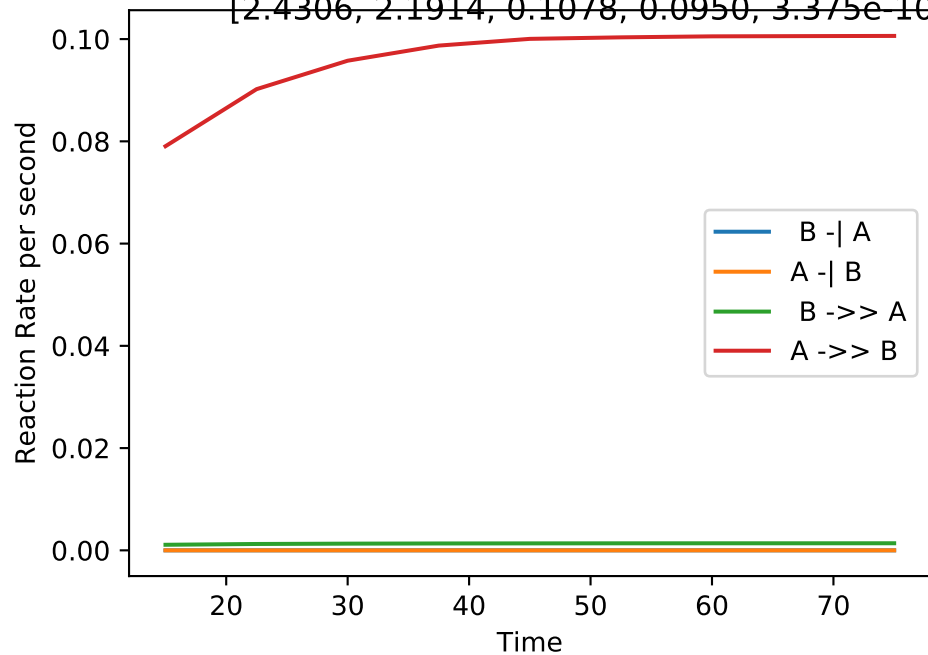


Flux Rate per second



No_up | MB-LLS No_up(#374):

[2.4306, 2.1914, 0.1078, 0.0950, 3.375e-10, 2.018e-10, 0.0000, 0.0466, 0.0379, 0.0025]



No_up | MB-LLS No_up(#375):

[2.4178, 2.2930, 0.1087, 0.1142, 6.119e-08, 4.703e-08, 0.0000, 0.0478, 0.0498, 0.0067]

Reaction Rate per second

0.25
0.20
0.15
0.10
0.05
0.00

20

30

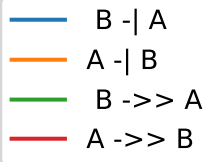
40

50

60

70

Time



Flux Rate per second

0.25
0.20
0.15
0.10
0.05
0.00

20

30

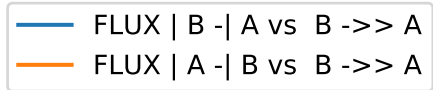
40

50

60

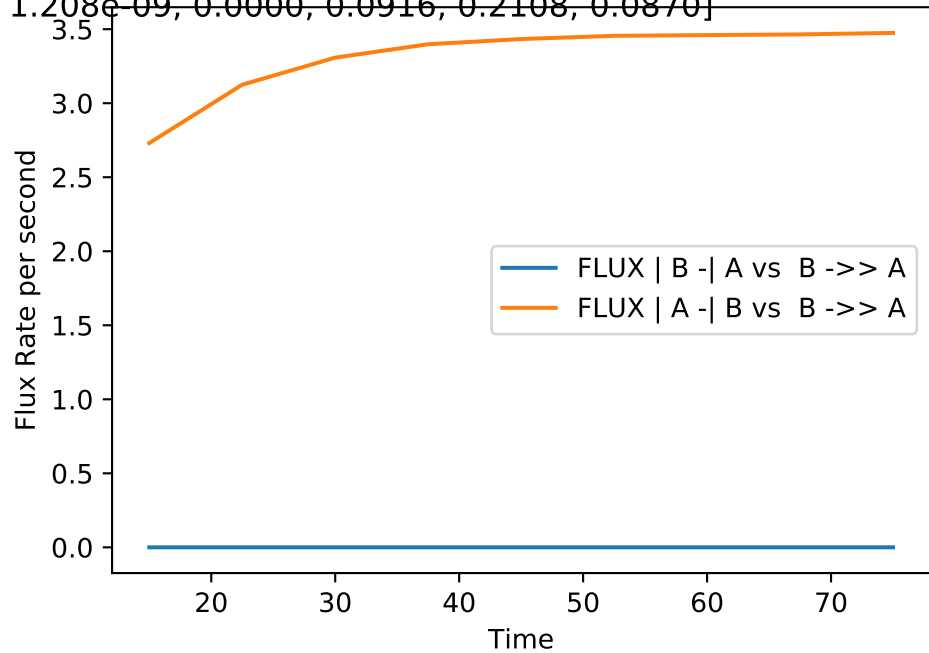
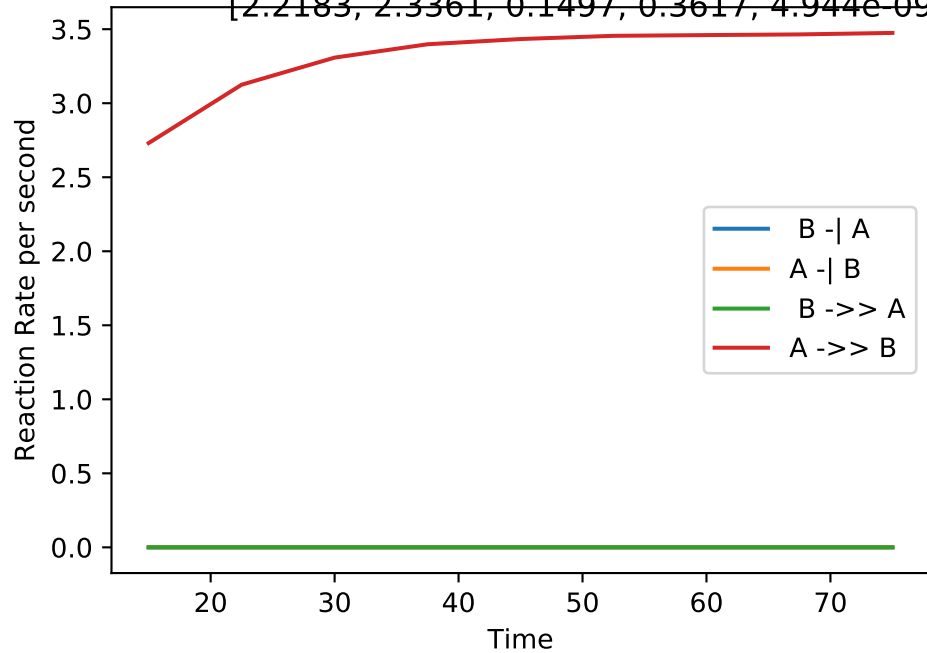
70

Time



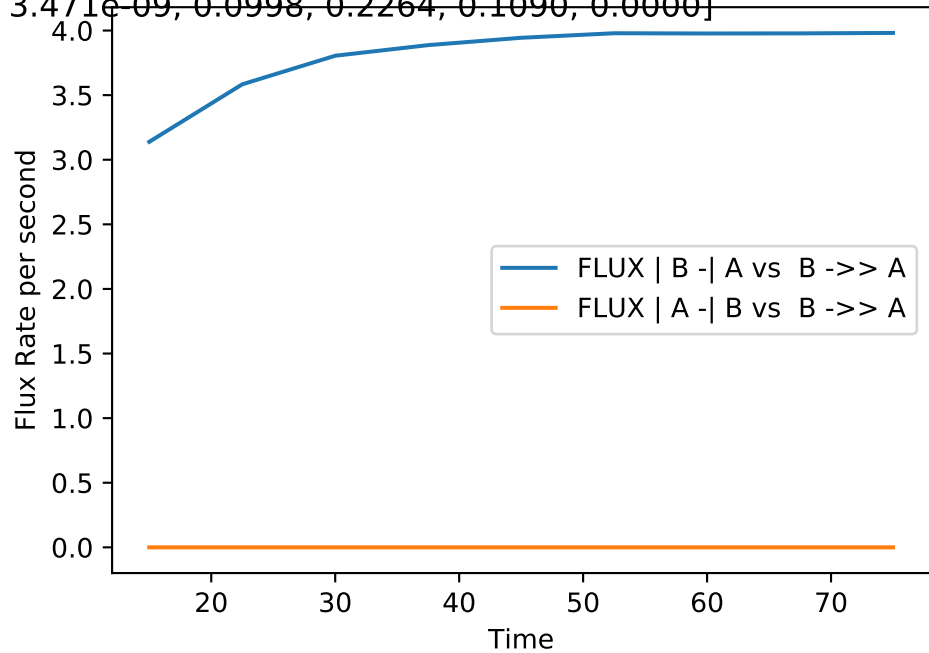
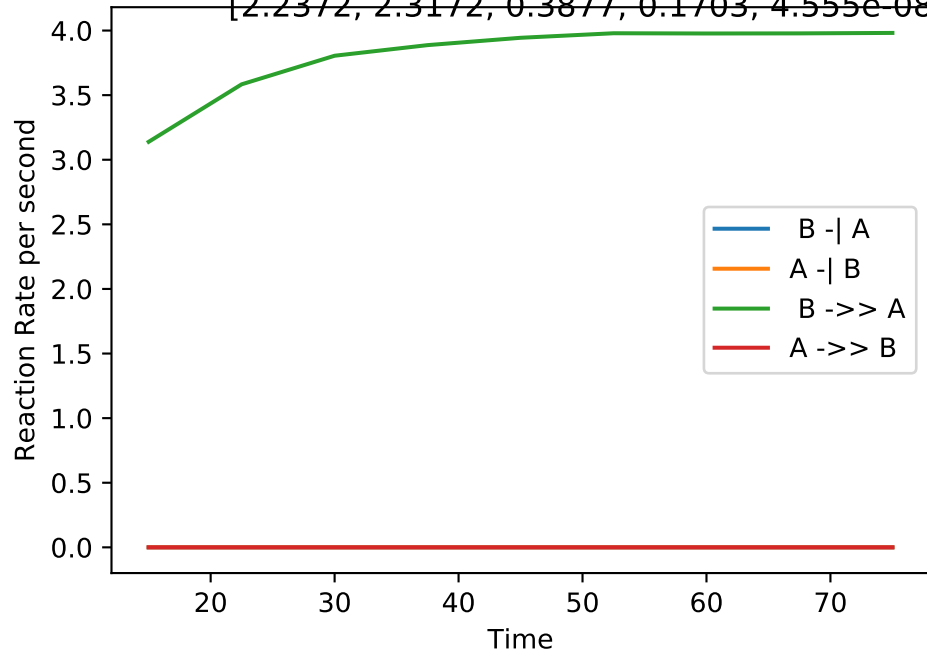
No_up | MB-LLS No_up(#376):

[2.2183, 2.3361, 0.1497, 0.3617, 4.944e-09, 1.208e-09, 0.0000, 0.0916, 0.2108, 0.0870]



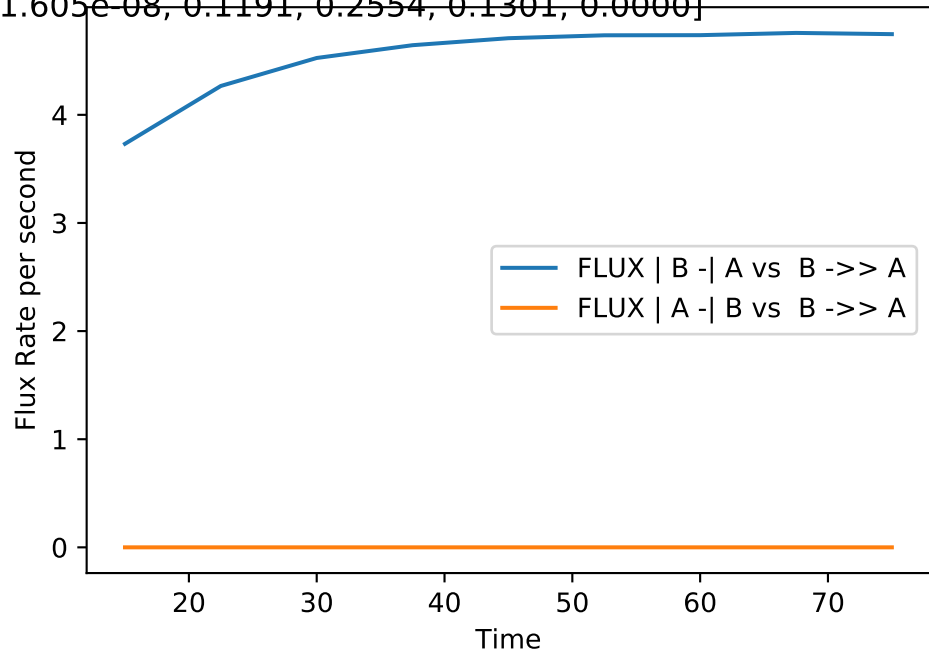
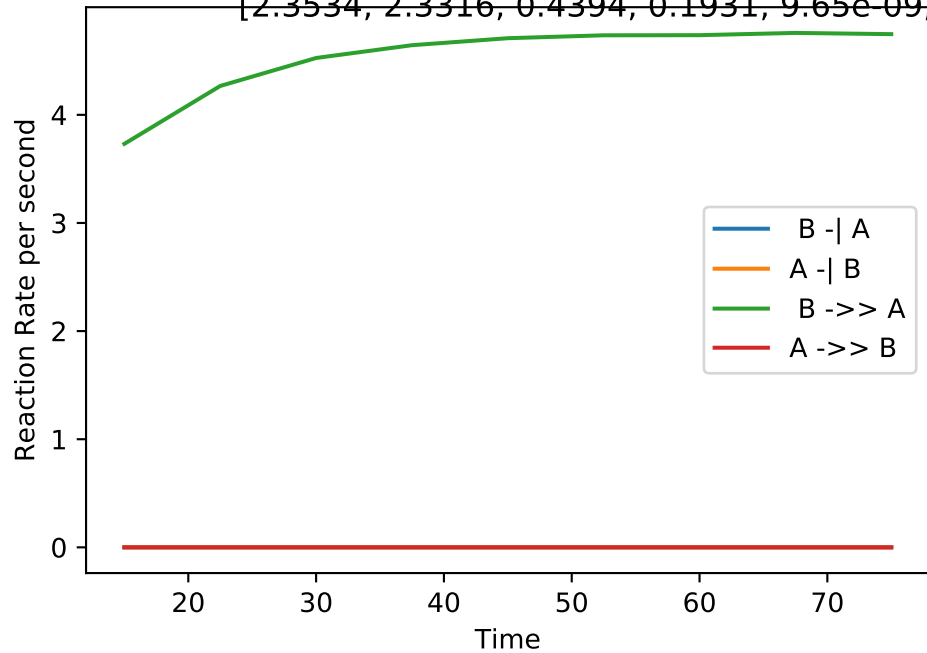
No_up | MB-LLS No_up(#377):

[2.2372, 2.3172, 0.3877, 0.1703, 4.555e-08, 3.471e-09, 0.0998, 0.2264, 0.1090, 0.0000]



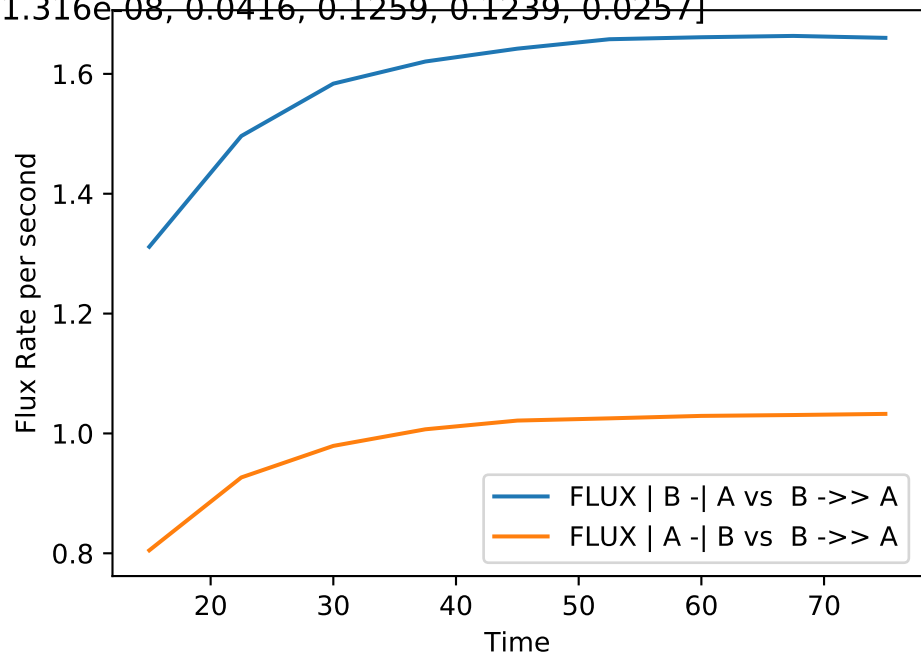
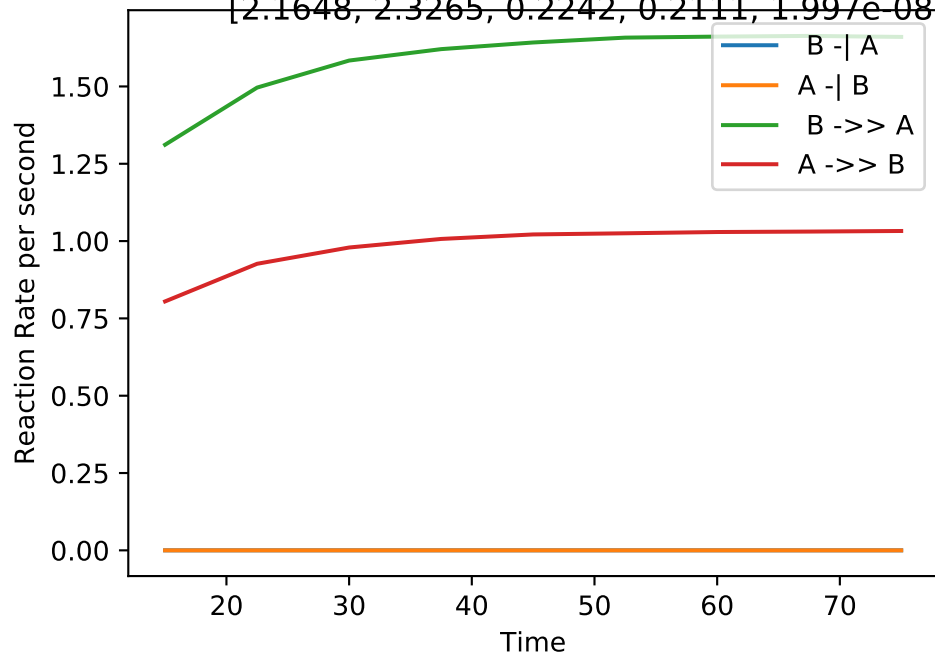
No_up | MB-LLS No_up(#378):

[2.3534, 2.3316, 0.4394, 0.1931, 9.65e-09, 1.605e-08, 0.1191, 0.2554, 0.1301, 0.0000]



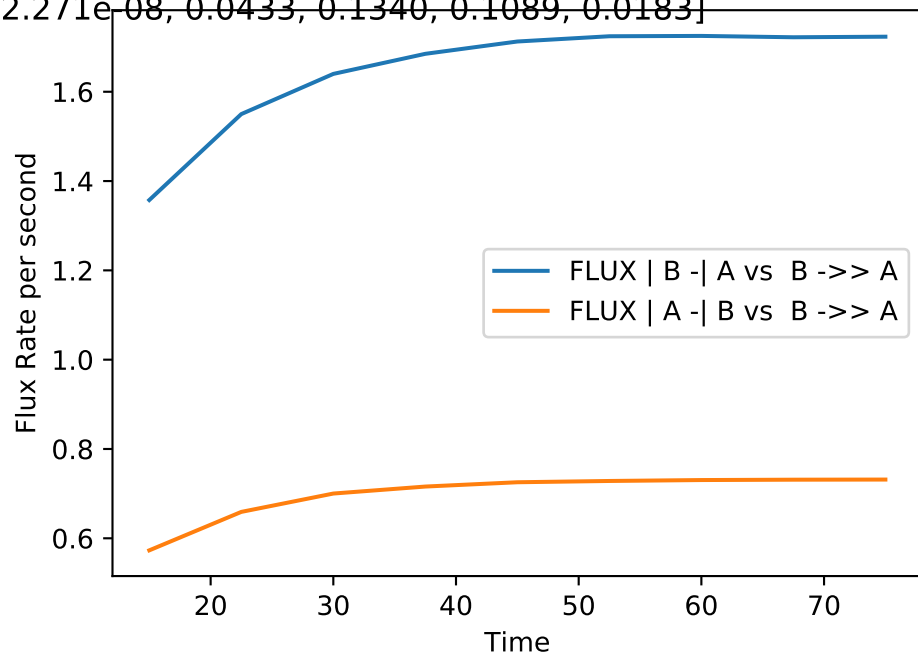
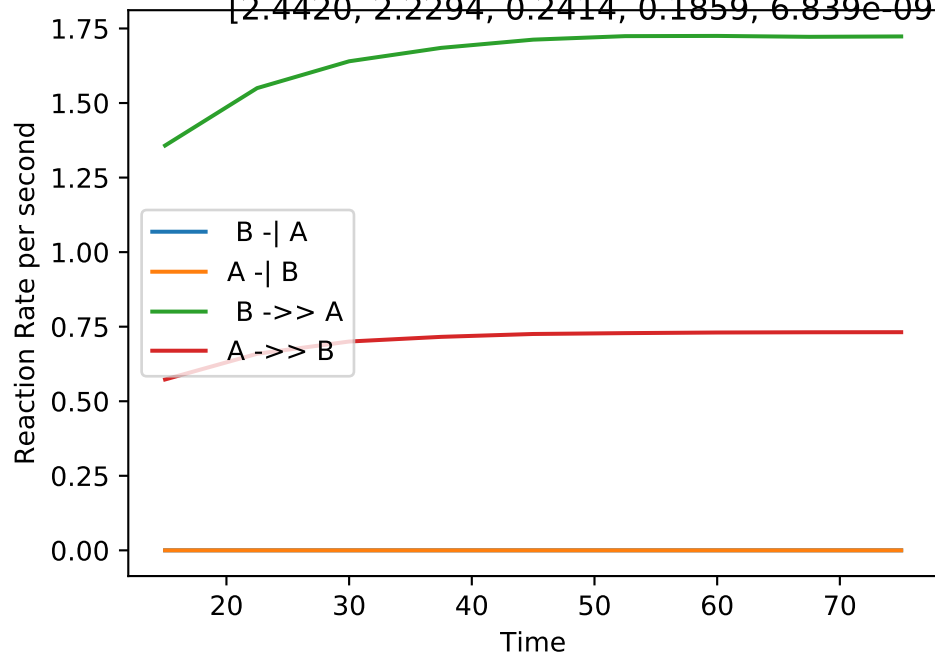
No_up | MB-LLS No_up(#379):

[2.1648, 2.3265, 0.2242, 0.2111, 1.997e-08, 1.316e-08, 0.0416, 0.1259, 0.1239, 0.0257]



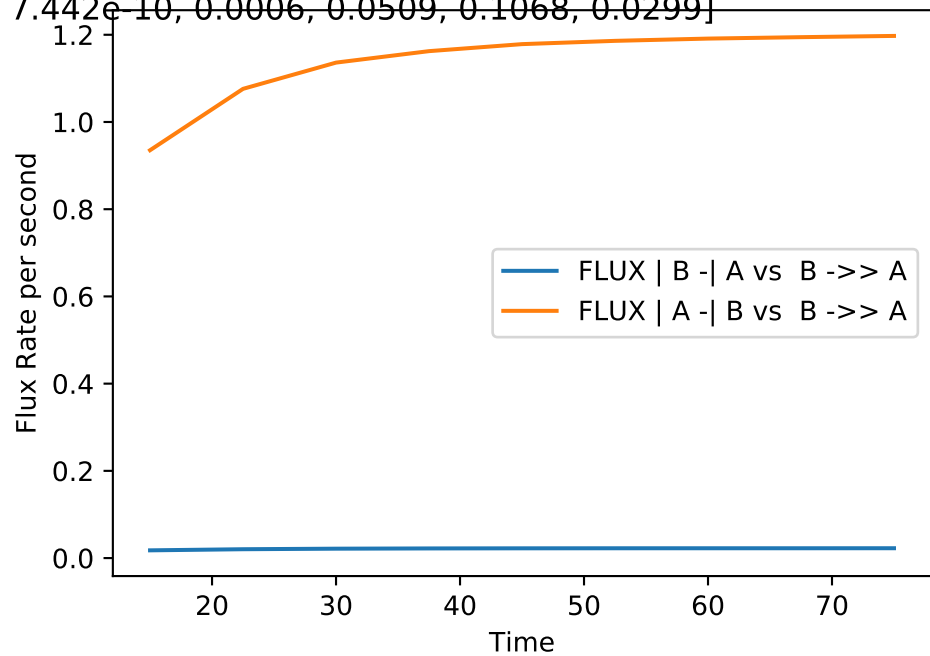
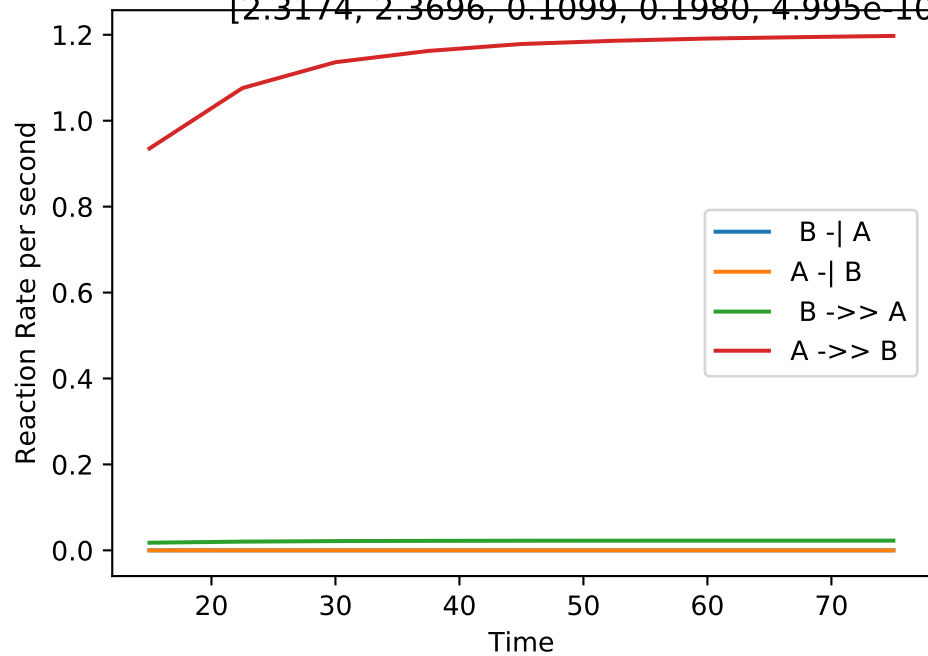
No_up | MB-LLS No_up(#380):

[2.4420, 2.2294, 0.2414, 0.1859, 6.839e-09, 2.271e-08, 0.0433, 0.1340, 0.1089, 0.0183]



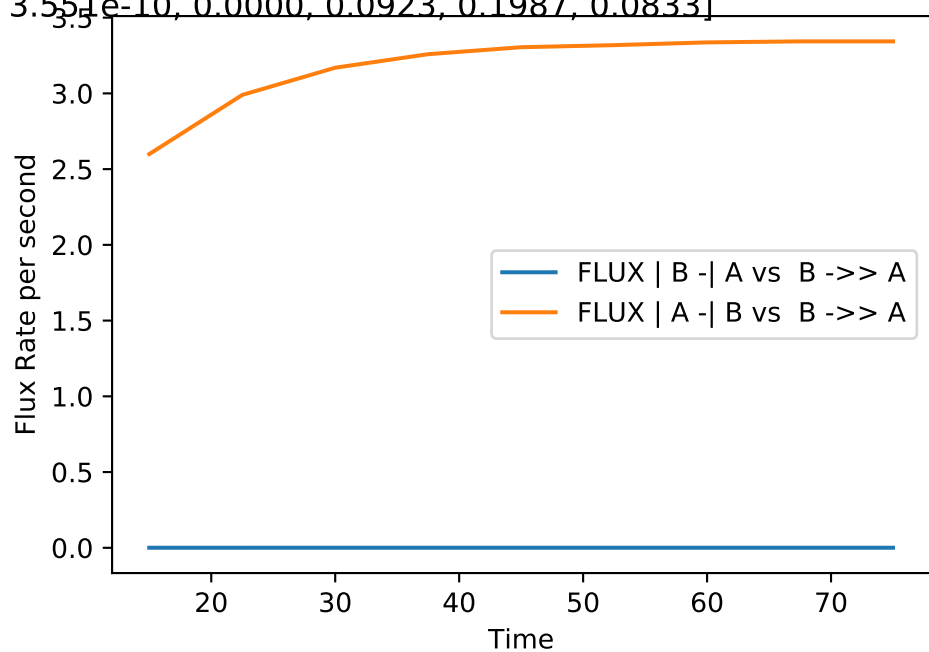
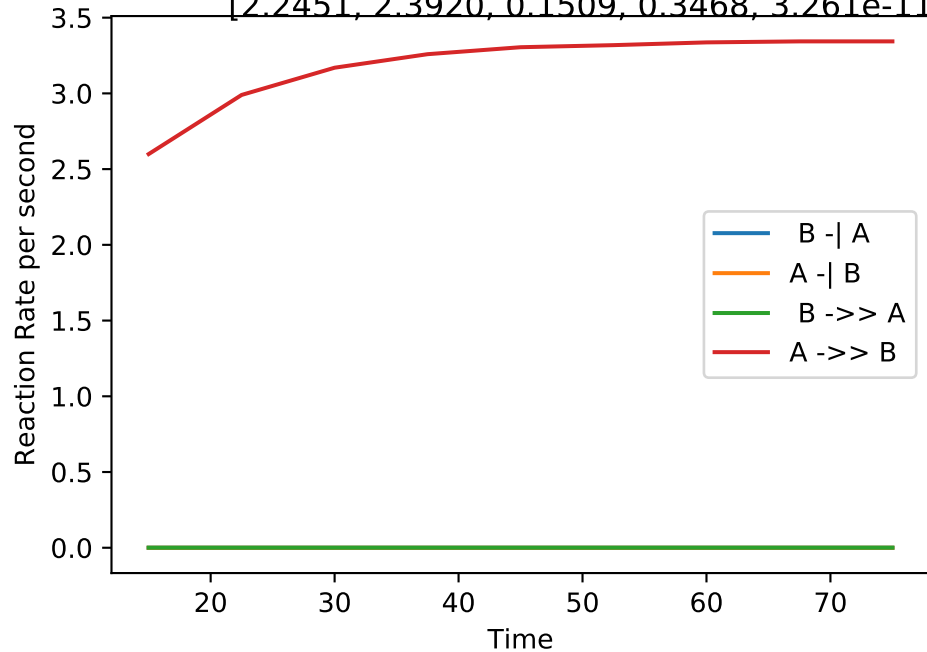
No_up | MB-LLS No_up(#381):

[2.3174, 2.3696, 0.1099, 0.1980, 4.995e-10, 7.442e-10, 0.0006, 0.0509, 0.1068, 0.0299]



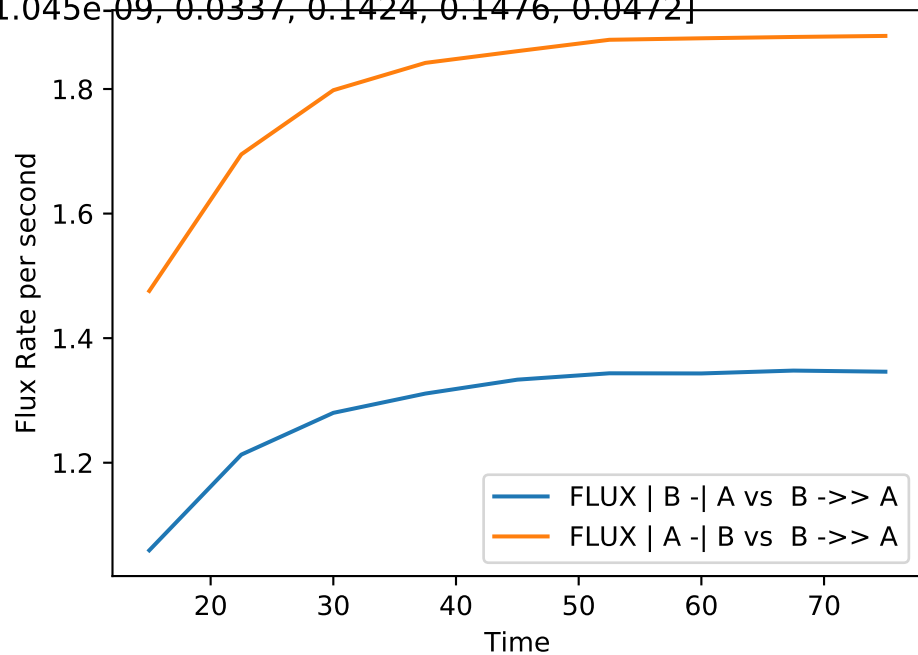
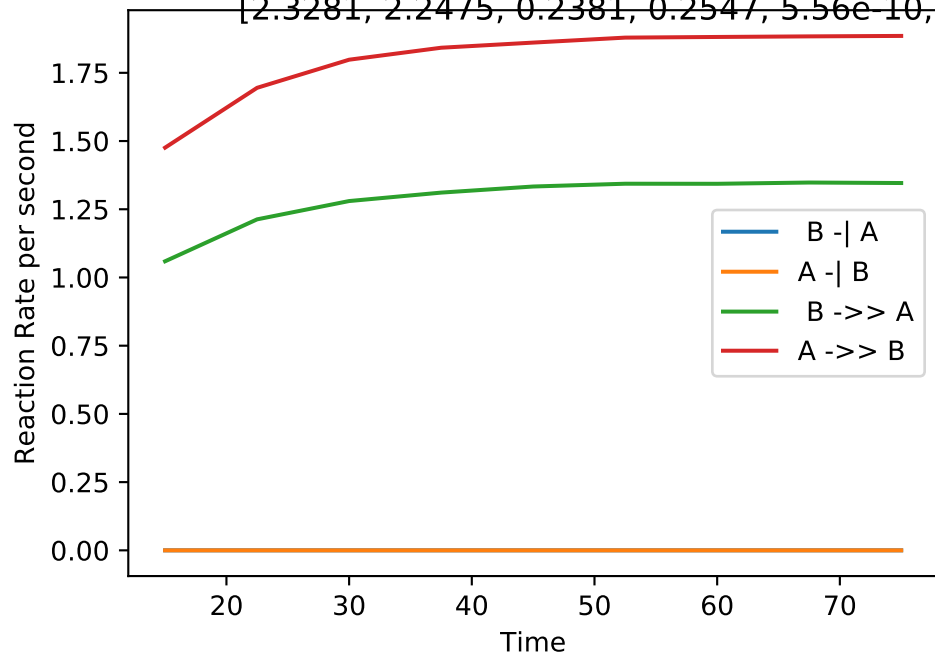
No_up | MB-LLS No_up(#382):

[2.2451, 2.3920, 0.1509, 0.3468, 3.261e-11, 3.551e-10, 0.0000, 0.0923, 0.1987, 0.0833]



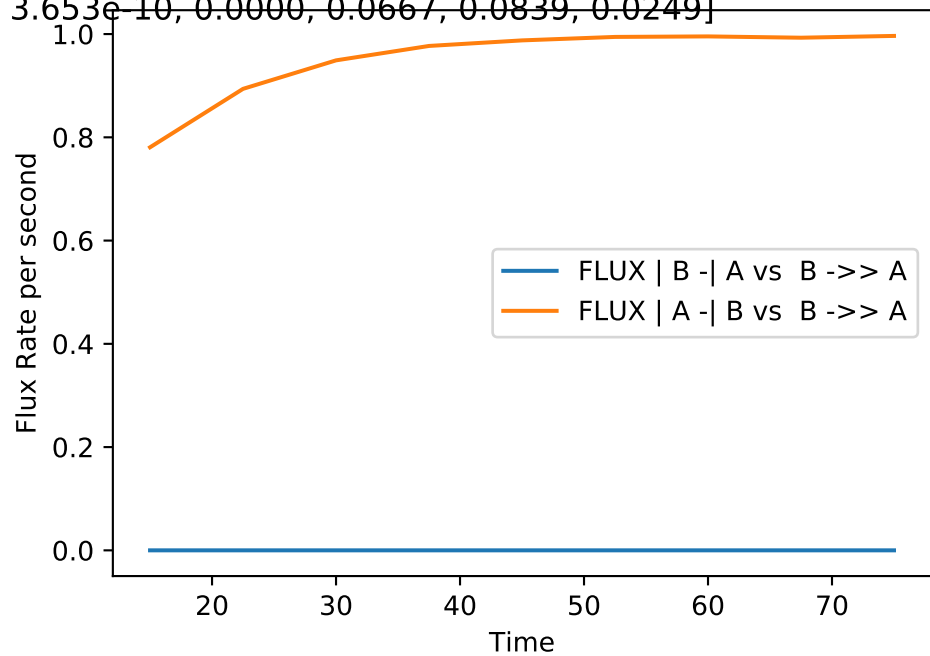
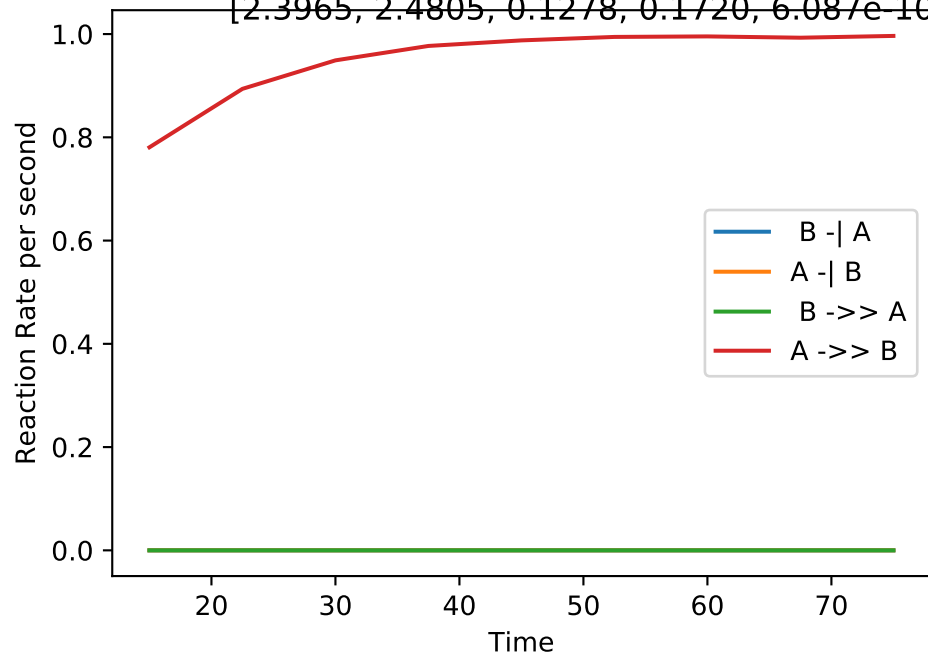
No_up | MB-LLS No_up(#383):

[2.3281, 2.2475, 0.2381, 0.2547, 5.56e-10, 1.045e-09, 0.0337, 0.1424, 0.1476, 0.0472]



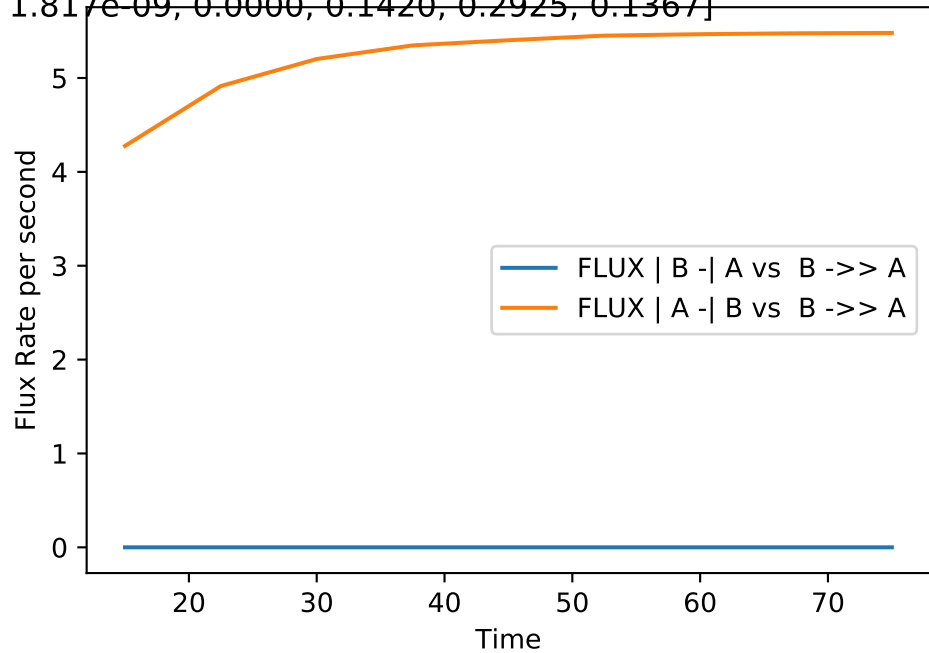
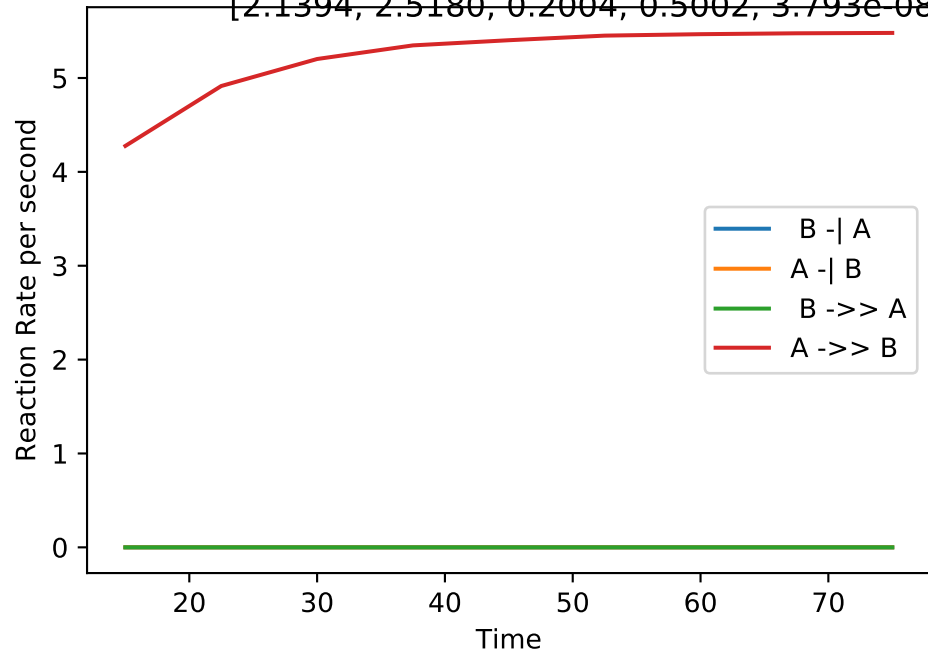
No_up | MB-LLS No_up(#384):

[2.3965, 2.4805, 0.1278, 0.1720, 6.087e-10, 3.653e-10, 0.0000, 0.0667, 0.0839, 0.0249]



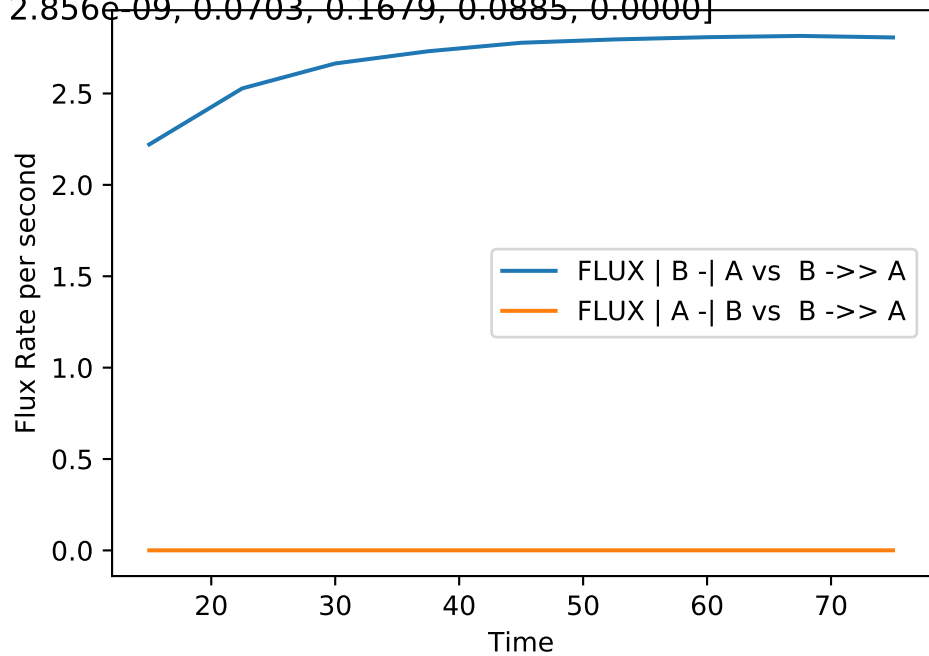
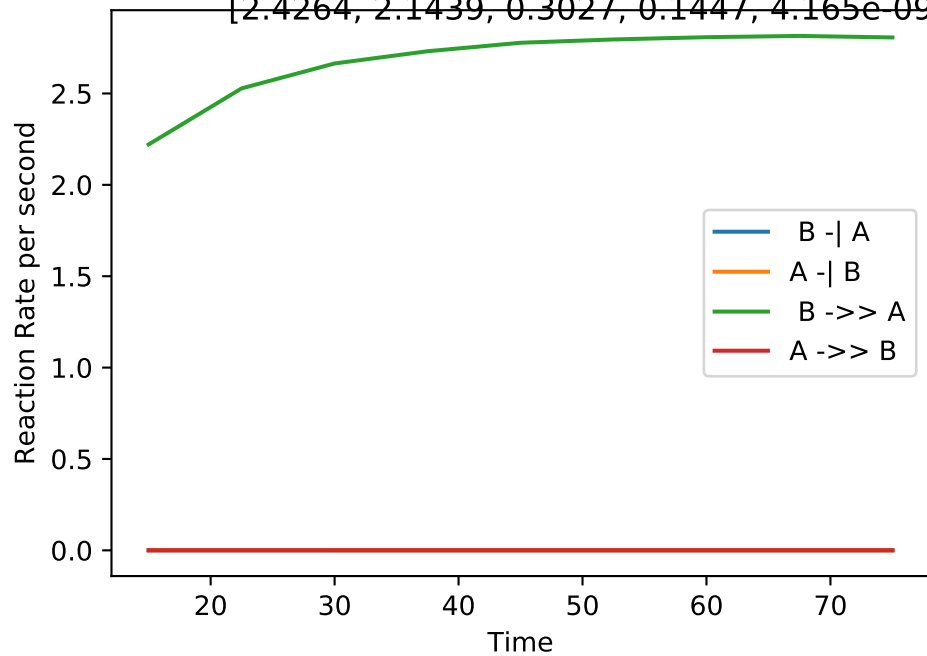
No_up | MB-LLS No_up(#385):

[2.1394, 2.5180, 0.2004, 0.5002, 3.793e-08, 1.817e-09, 0.0000, 0.1420, 0.2925, 0.1367]



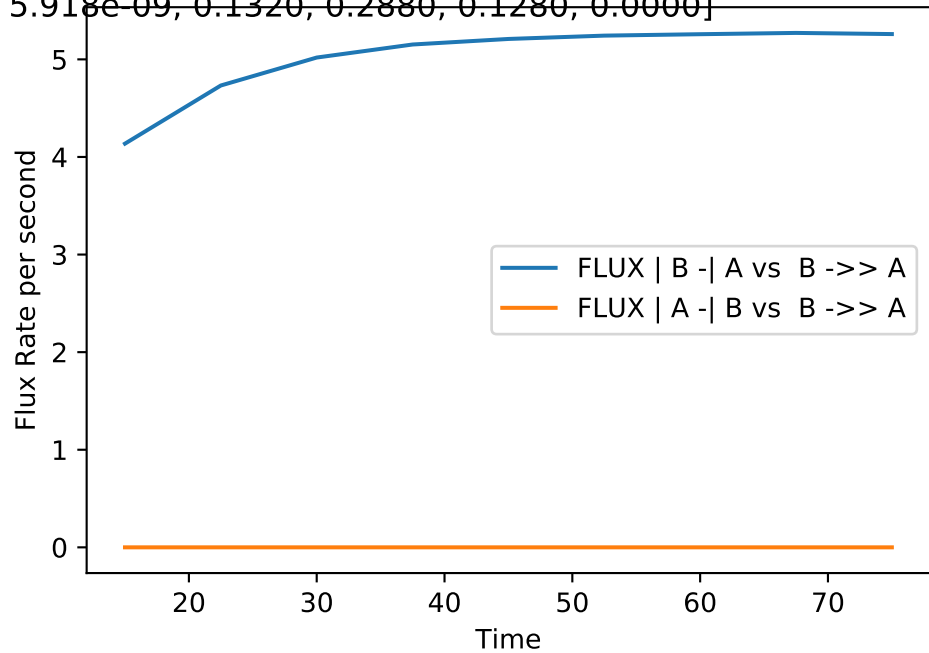
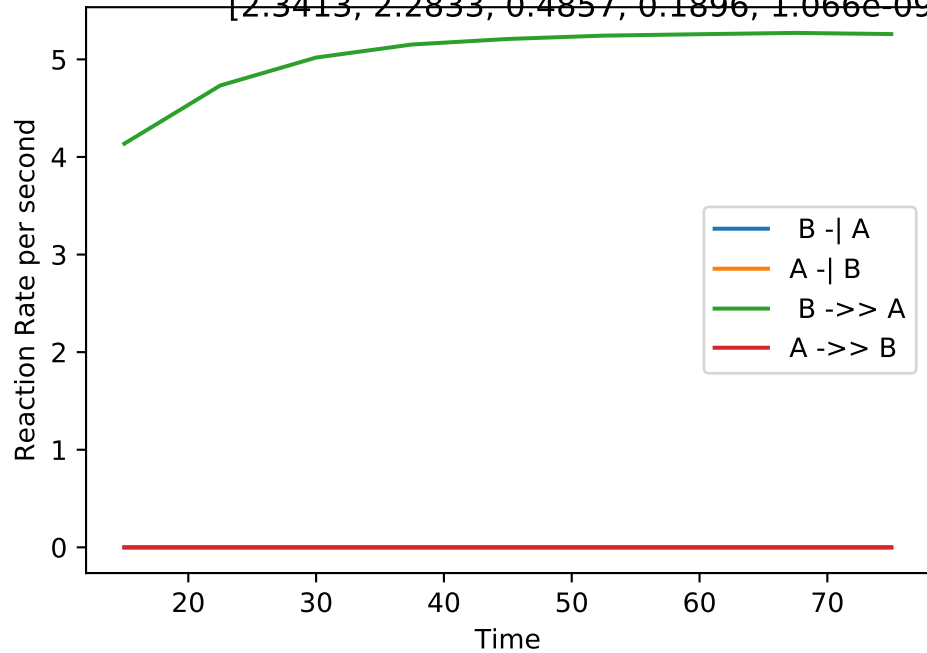
No_up | MB-LLS No_up(#386):

[2.4264, 2.1439, 0.3027, 0.1447, 4.165e-09, 2.856e-09, 0.0703, 0.1679, 0.0885, 0.0000]



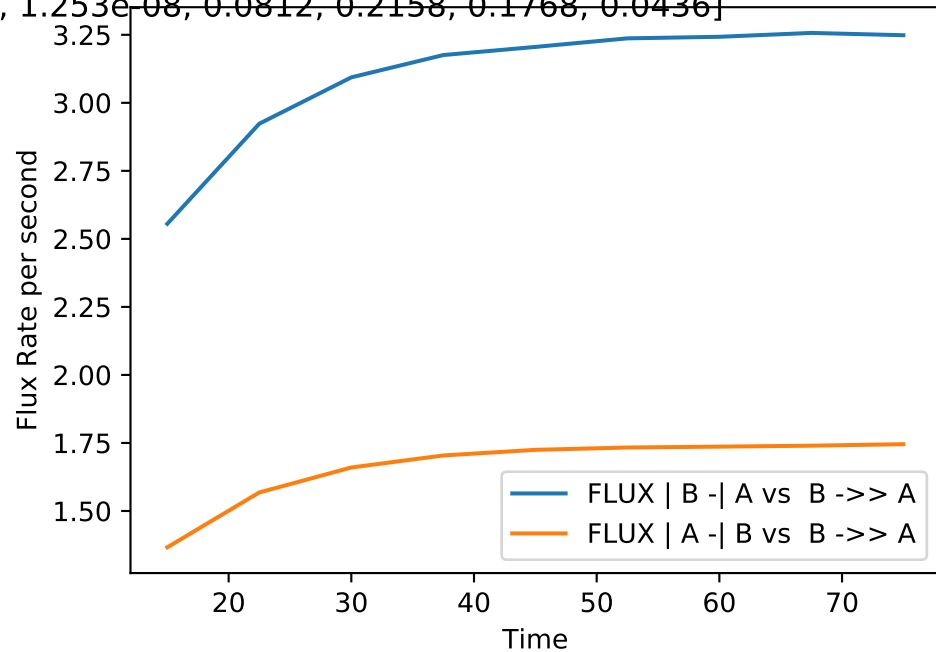
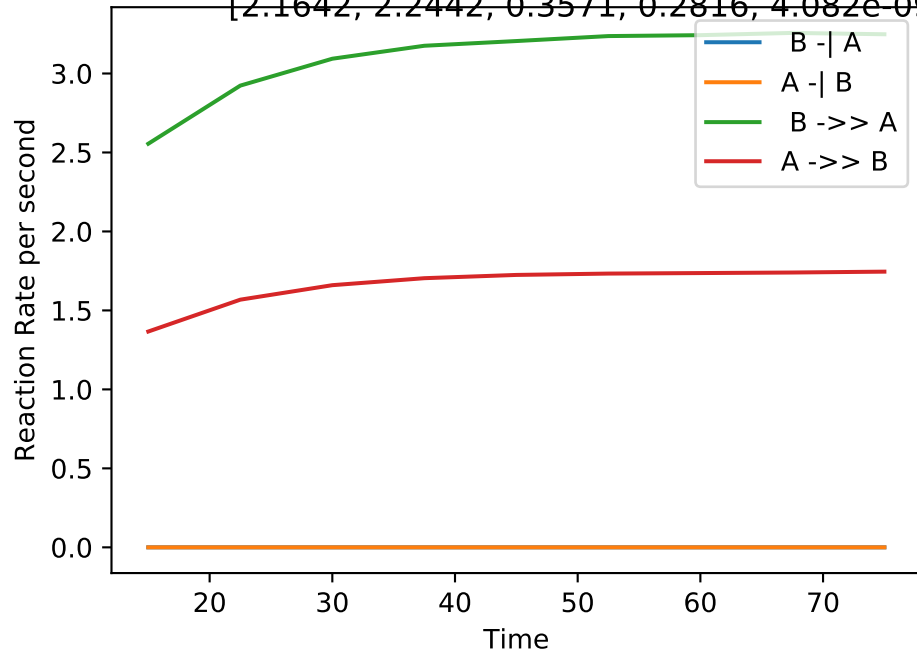
No_up | MB-LLS No_up(#387):

[2.3413, 2.2833, 0.4857, 0.1896, 1.066e-09, 5.918e-09, 0.1320, 0.2880, 0.1280, 0.0000]



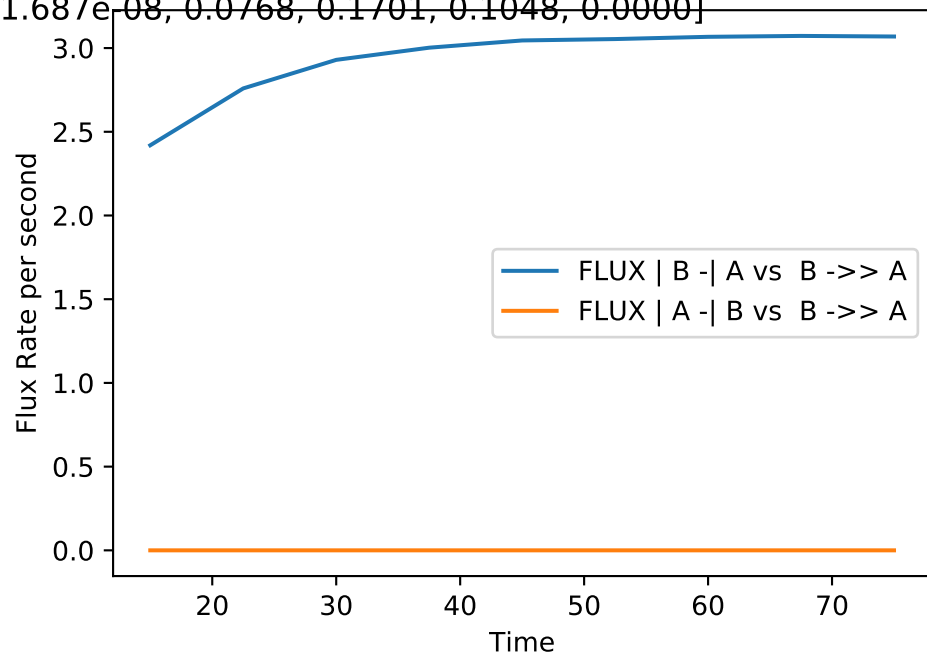
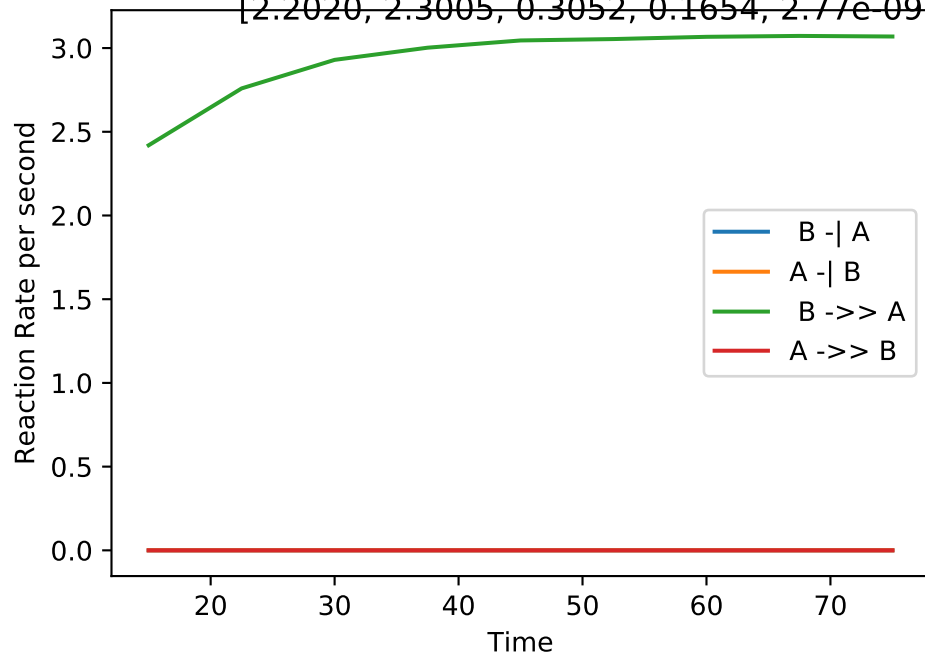
No_up | MB-LLS No_up(#388):

[2.1642, 2.2442, 0.3571, 0.2816, 4.082e-09, 1.253e-08, 0.0812, 0.2158, 0.1768, 0.0436]



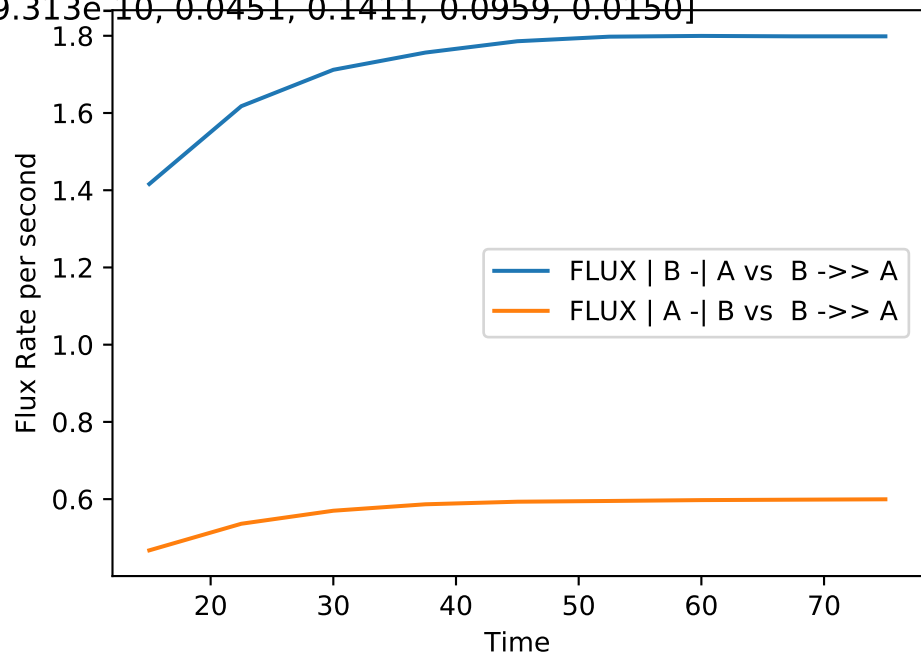
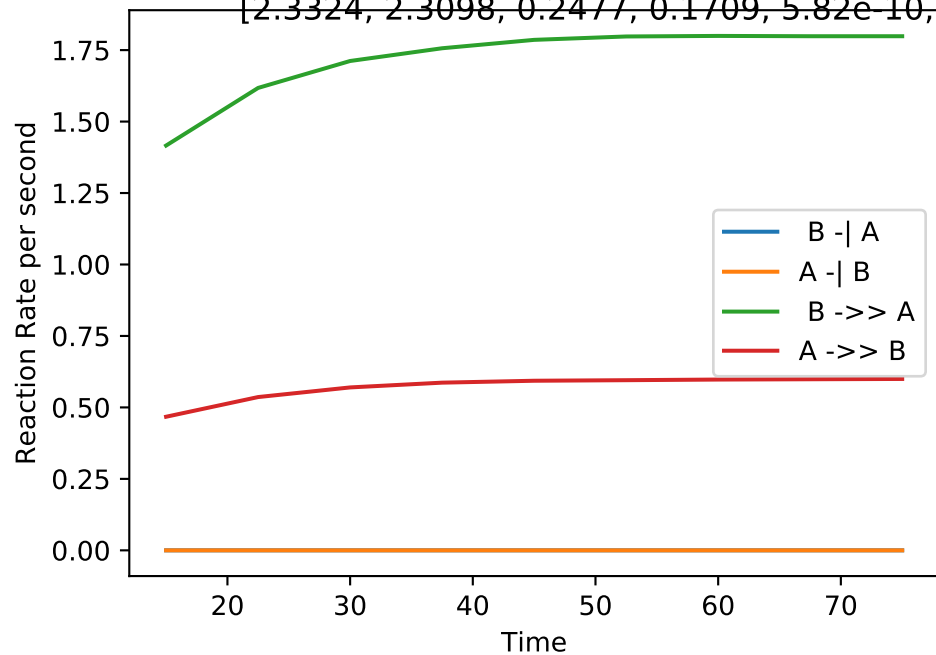
No_up | MB-LLS No_up(#389):

[2.2020, 2.3005, 0.3052, 0.1654, 2.77e-09, 1.687e-08, 0.0768, 0.1701, 0.1048, 0.0000]



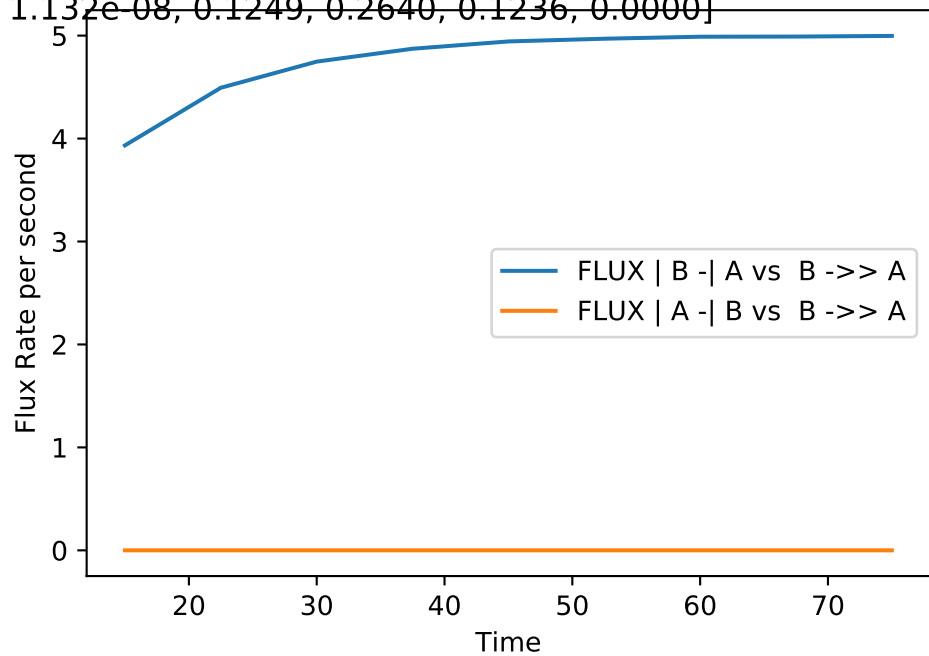
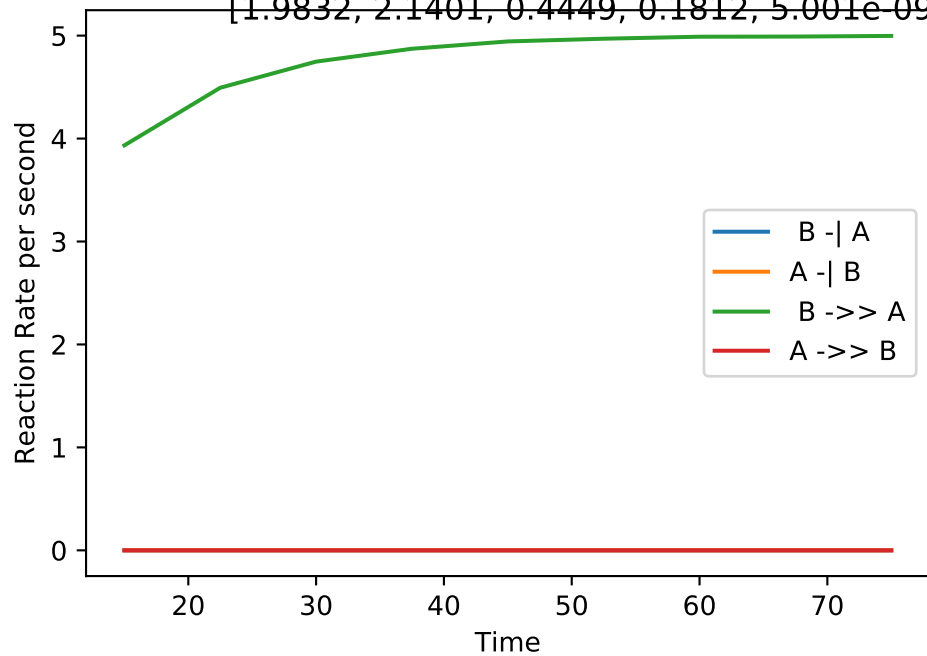
No_up | MB-LLS No_up(#390):

[2.3324, 2.3098, 0.2477, 0.1709, 5.82e-10, 9.313e-10, 0.0451, 0.1411, 0.0959, 0.0150]



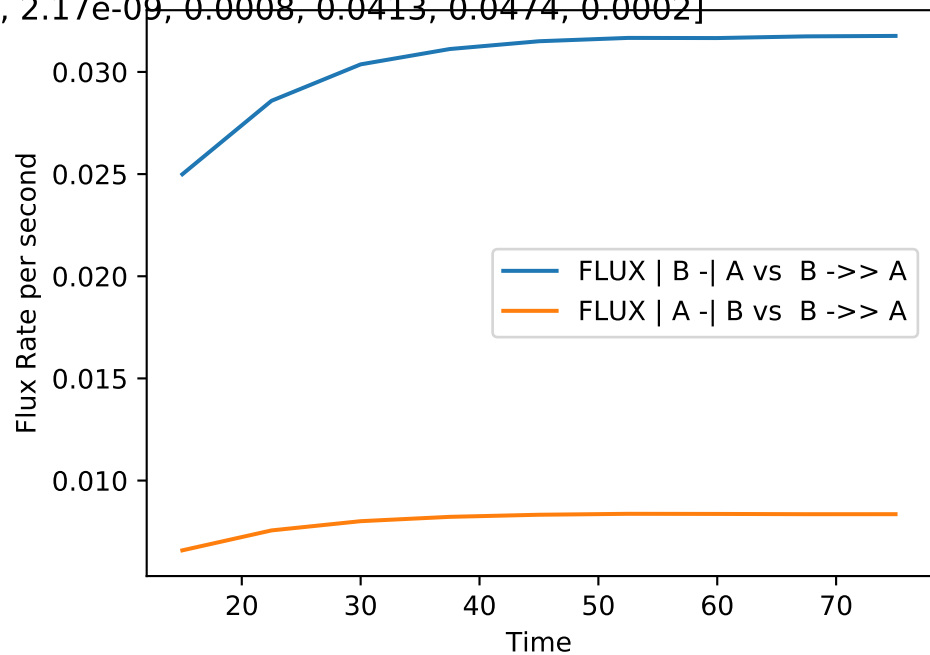
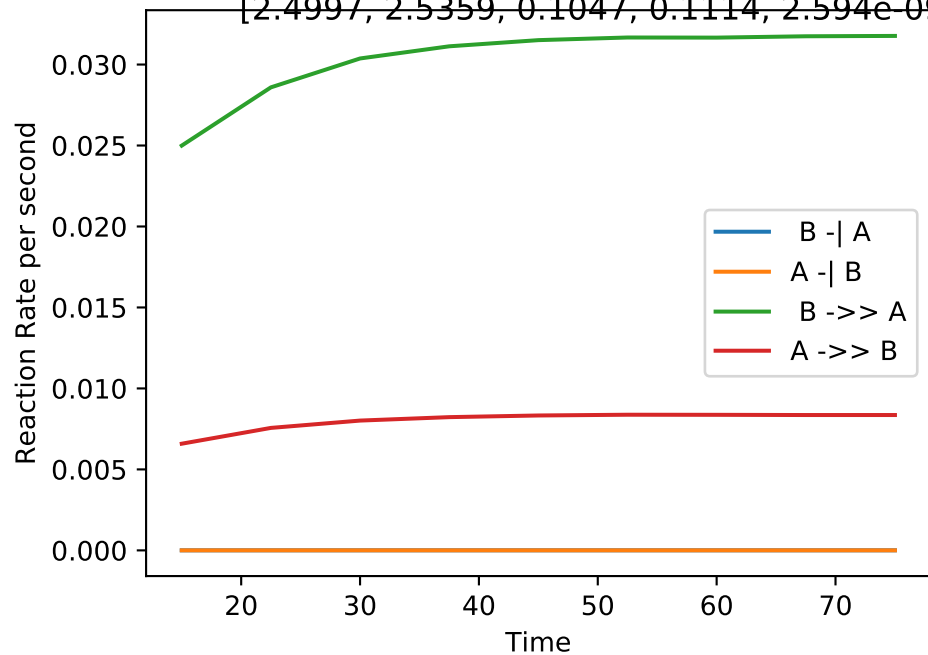
No_up | MB-LLS No_up(#391):

[1.9832, 2.1401, 0.4449, 0.1812, 5.001e-09, 1.132e-08, 0.1249, 0.2640, 0.1236, 0.0000]



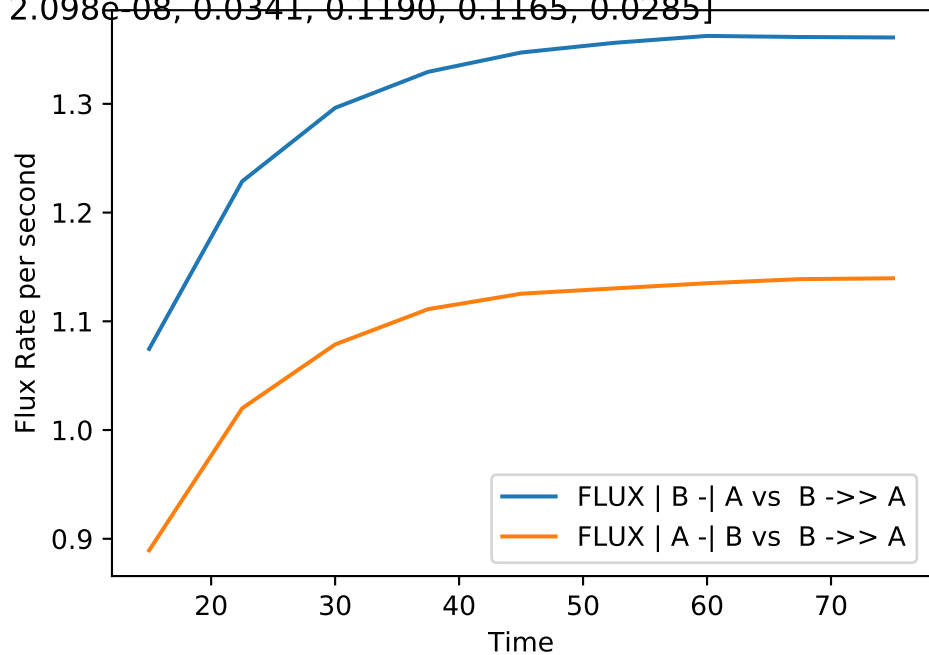
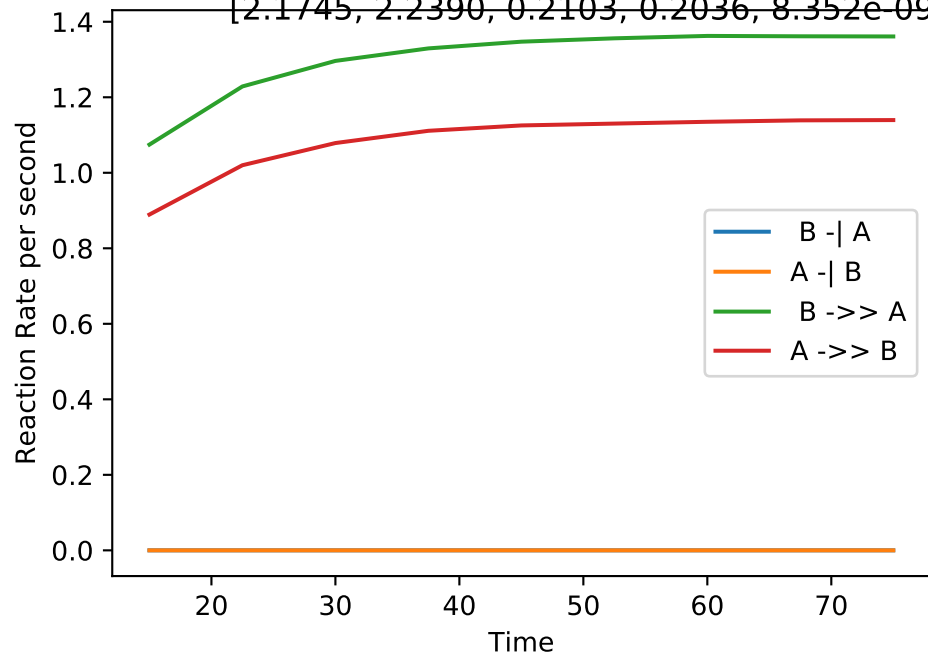
No_up | MB-LLS No_up(#392):

[2.4997, 2.5359, 0.1047, 0.1114, 2.594e-09, 2.17e-09, 0.0008, 0.0413, 0.0474, 0.0002]



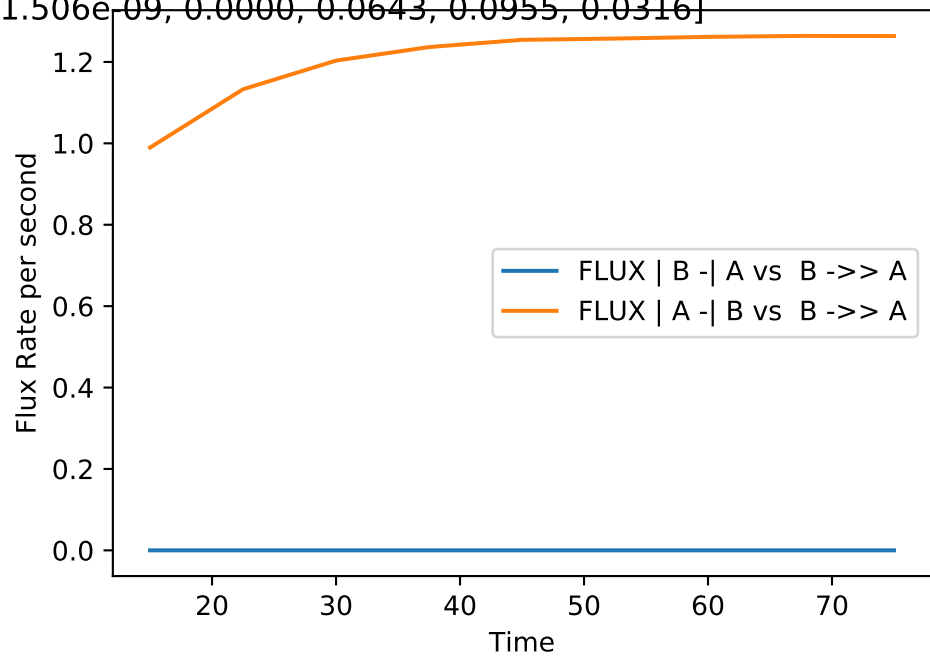
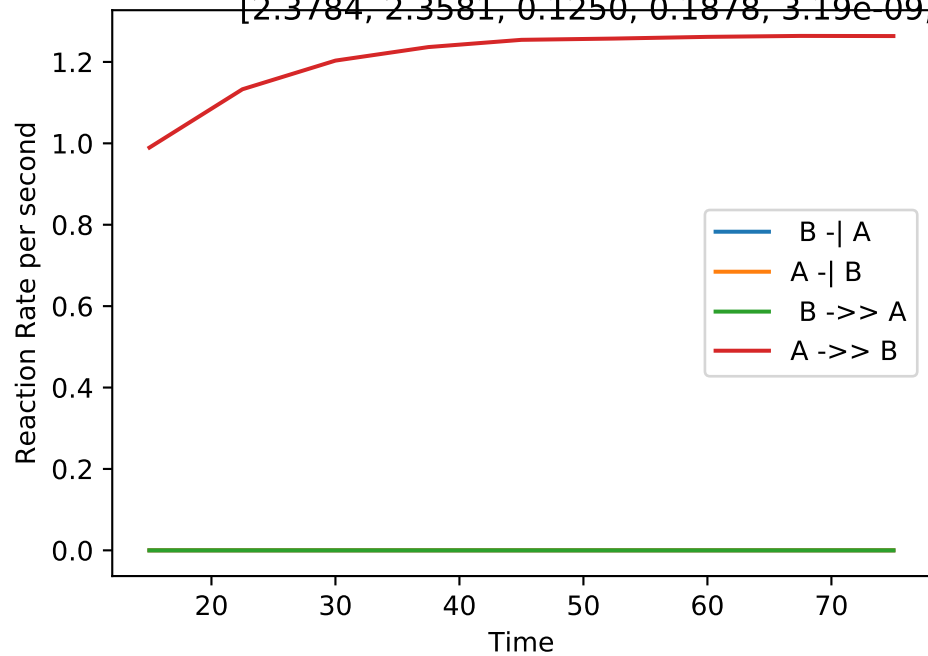
No_up | MB-LLS No_up(#393):

[2.1745, 2.2390, 0.2103, 0.2036, 8.352e-09, 2.098e-08, 0.0341, 0.1190, 0.1165, 0.0285]



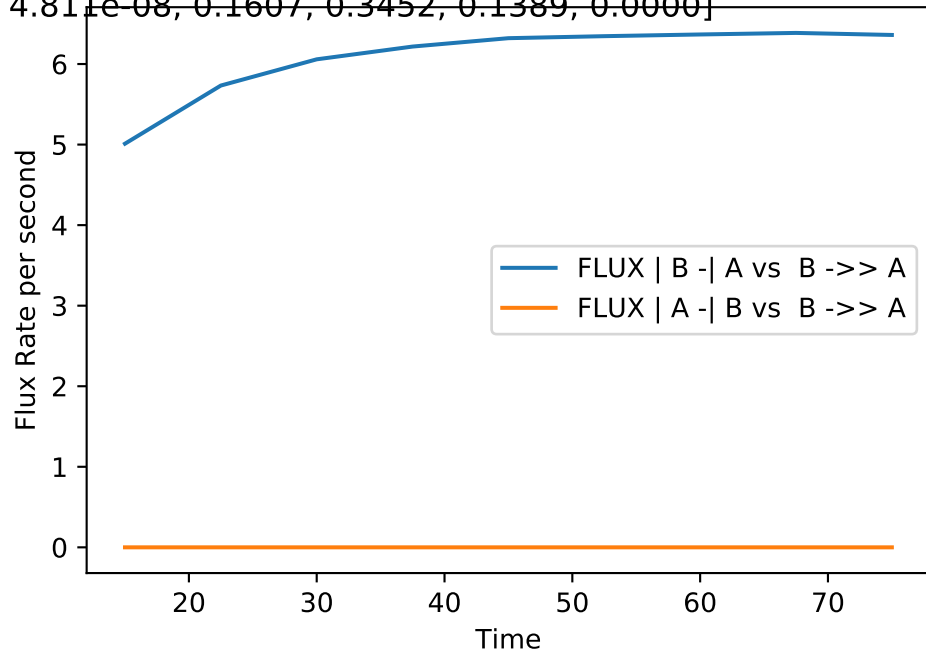
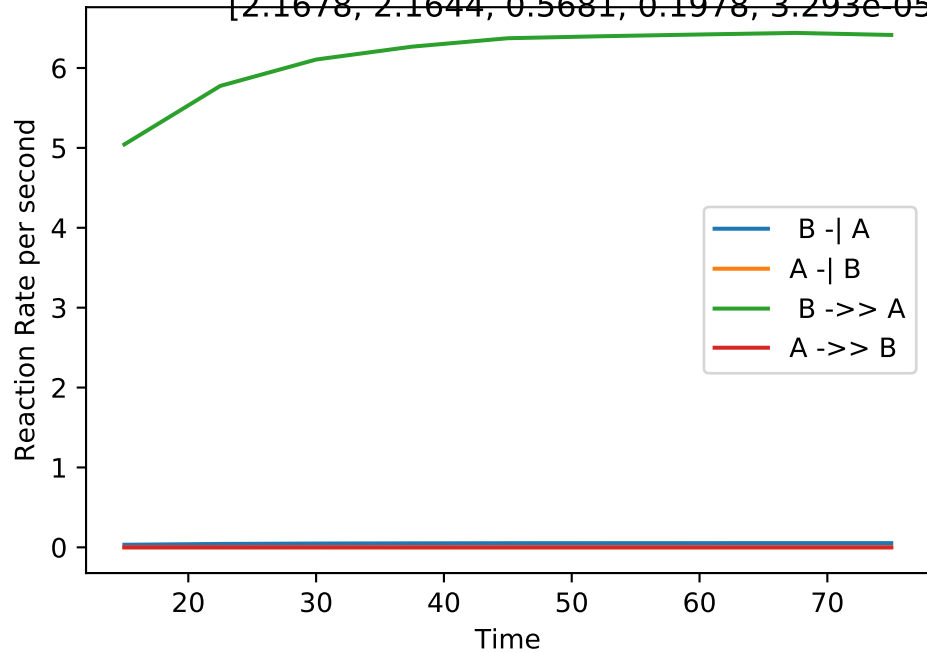
No_up | MB-LLS No_up(#394):

[2.3784, 2.3581, 0.1250, 0.1878, 3.19e-09, 1.506e-09, 0.0000, 0.0643, 0.0955, 0.0316]



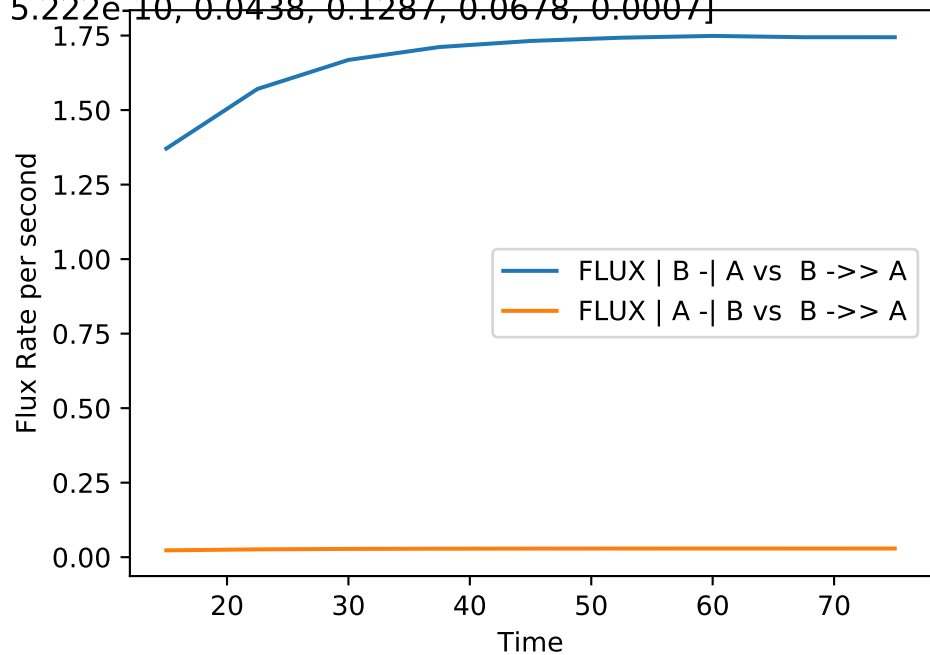
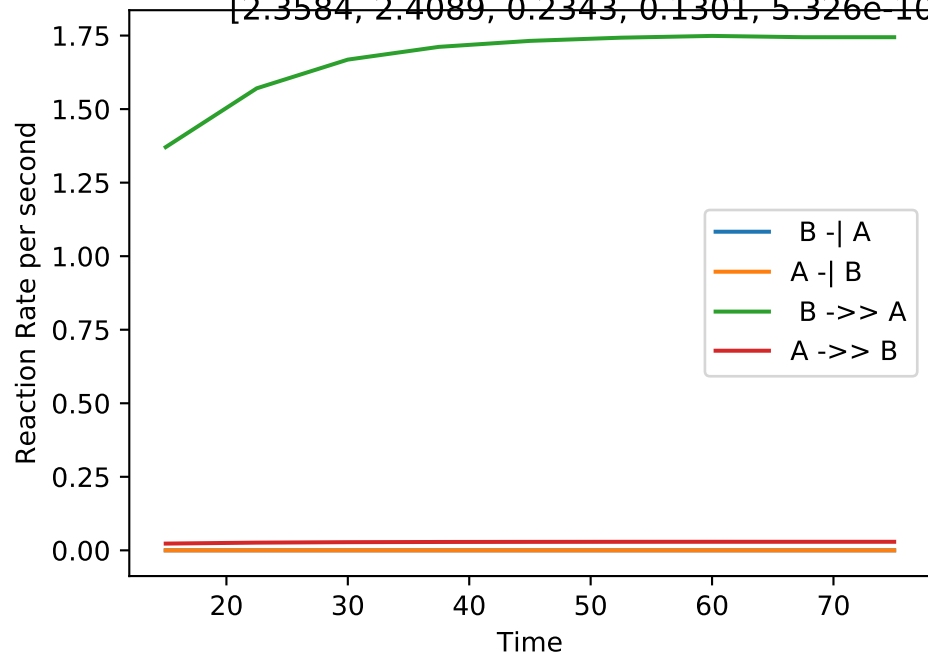
No_up | MB-LLS No_up(#395):

[2.1678, 2.1644, 0.5681, 0.1978, 3.293e-05, 4.811e-08, 0.1607, 0.3452, 0.1389, 0.0000]



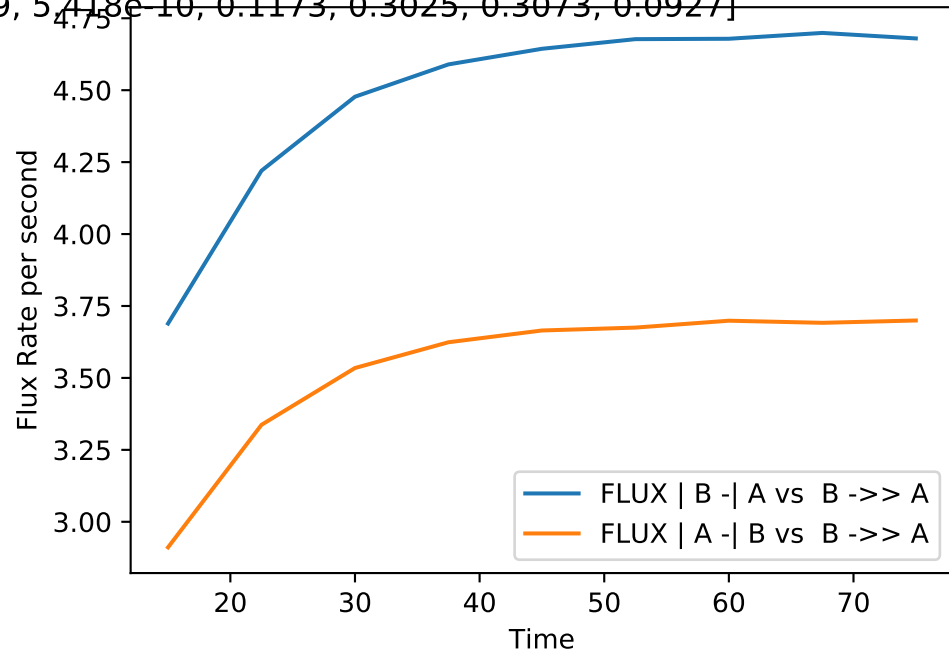
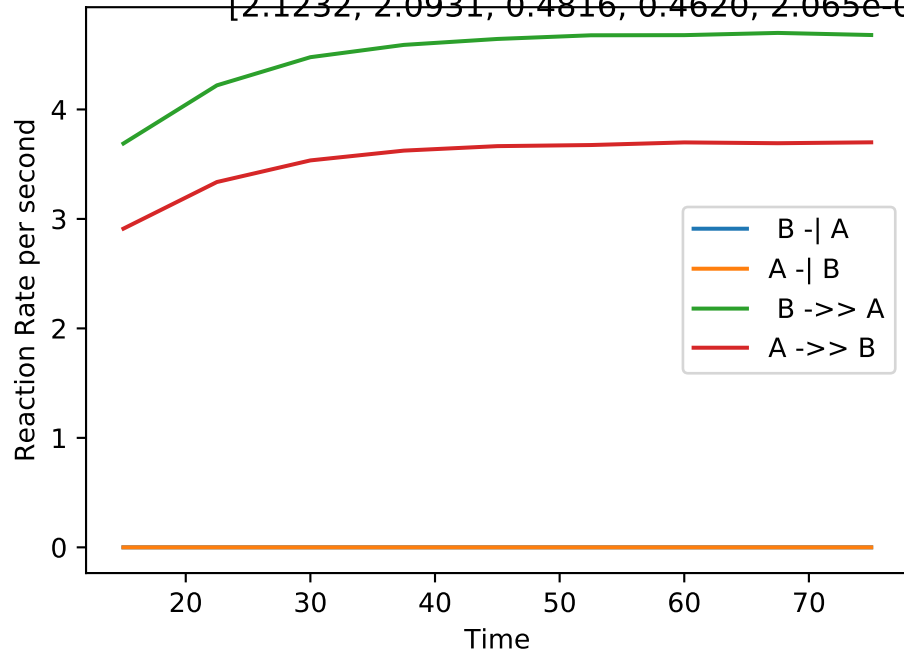
No_up | MB-LLS No_up(#396):

[2.3584, 2.4089, 0.2343, 0.1301, 5.326e-10, 5.222e-10, 0.0438, 0.1287, 0.0678, 0.0007]



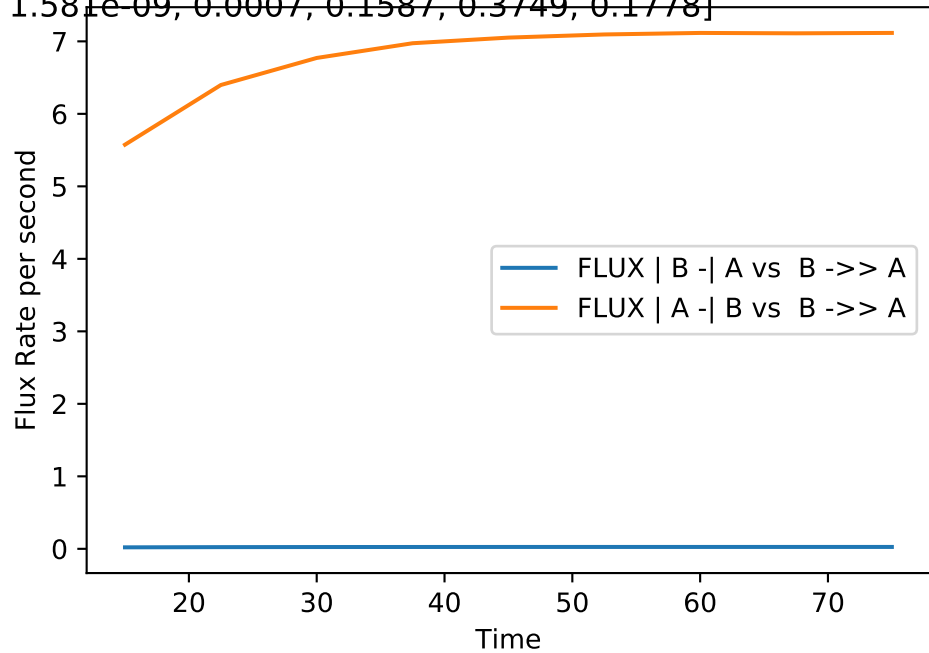
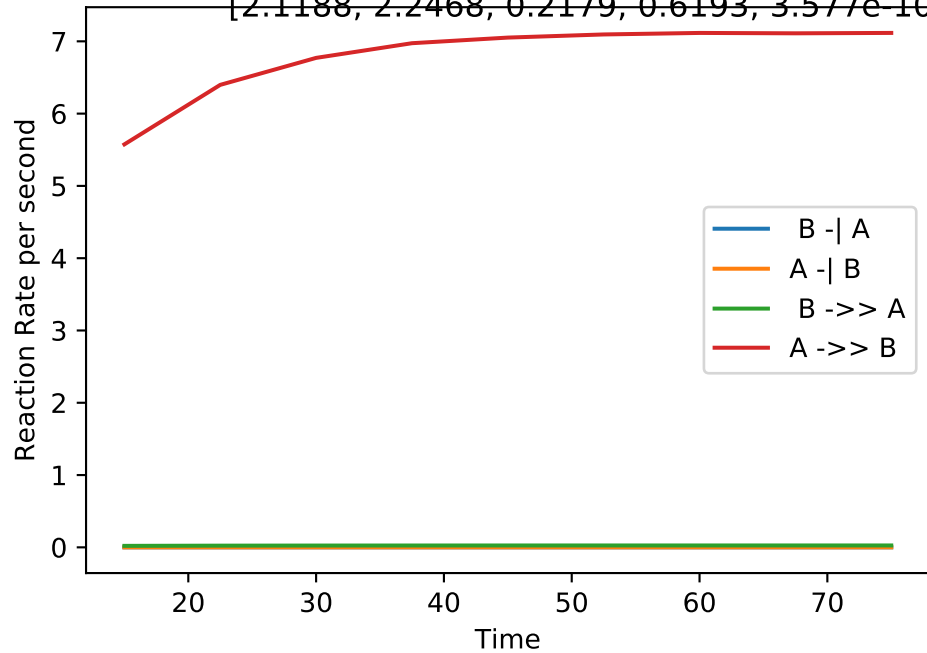
No_up | MB-LLS No_up(#397):

[2.1232, 2.0931, 0.4816, 0.4620, 2.065e-09, 5.418e-10, 0.1173, 0.3025, 0.3073, 0.0927]



No_up | MB-LLS No_up(#398):

[2.1188, 2.2468, 0.2179, 0.6193, 3.577e-10, 1.581e-09, 0.0007, 0.1587, 0.3749, 0.1778]



No_up | MB-LLS No_up(#399):

[2.2126, 2.1966, 0.3333, 0.3064, 5.11e-09, 9.542e-09, 0.0714, 0.2012, 0.1916, 0.0542]

