

The initial values of other related variables are as follows:  $Q = 50, p = 5, w = 3, r = 0.1, I_1 = 30, I_2 = 50, S_1 = 15, S_2 = 25, K_1 = 30, K_2 = 45, C = 30, T_1 = 10, T_2 = 20, T_3 = 10, L = 20, M = 15, H_1 = 20, H_2 = 20$ . The initial probability  $(x, y, z)$  of the model is set as  $(0.3, 0.3, 0.3)$ . Set the time step  $t$  from 0 to 10, and use the specific update formulas to calculate the distributions of strategies  $x, y$ , and  $z$  at time  $t$ .

**Table 1: Values of  $(x, y, z)$  as  $I_1$  Varies.**

$t$	$(x, y, z)$			
	$I_1 = 30$	$I_1 = 40$	$I_1 = 50$	$I_1 = 60$
0	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)
1	(0.999248, 0.942344, 0.999248)	(0.00350972, 2.37719e-05, 0.985839)	(1.548979e-07, 2.36323e-05, 0.985256)	(2.13235e-10, 2.16919e-05, 0.98503)
2	(0.999979, 0.999935, 0.999979)	(2.37719e-05, 3.43341e-09, 0.999903)	(6.3719e-08, 8.58287e-08, 0.999893)	(-1.86044e-07, 2.24125e-09, 0.999897)
3	(1.00012, 1, 1.00012)	(1.98482e-07, 4.35512e-09, 0.999999)	(-3.86615e-08, 1.04221e-10, 0.999999)	(-1.02654e-06, 1.15751e-13, 0.999999)
4	(0.999843, 1, 0.999843)	(1.41396e-08, 1.02448e-07, 1)	(2.57615e-07, 7.3405e-14, 1)	(8.91094e-08, 6.06353e-18, 1)
5	(1.001, 1, 1.001)	(1.29386e-10, 7.24848e-07, 1)	(-7.32427e-07, 3.65885e-17, 1)	(-5.50584e-0, 3.06989e-22, 1)
6	(0.999749, 1, 0.999749)	(1.05723e-12, -7.04319e-09, 1)	(3.60141e-07, 3.30923e-20, 1)	(-4.70653e-08, 1.55971e-26, 1)
7	(0.999517, 1, 0.999517)	(1.0562e-14, 2.73335e-07, 1)	(-1.36889e-07, 7.04516e-24, 1)	(2.59894e-07, 7.8574e-31, 1)
8	(0.999755, 1, 0.999755)	(9.80701e-17, 6.70298e-07, 1)	(1.02589e-07, 1.43351e-26, 1)	(4.36102e-07, 4.15255e-35, 1)
9	(0.999985, 1, 0.999985)	(7.94956e-19, 5.6242e-08, 1)	(-5.14371e-08, 1.64995e-29, 1)	(9.01826e-08, 2.08257e-39, 1)
10	(0.999964, 1, 0.999964)	(7.3437e-21, 4.5109e-07, 1)	(4.01079e-07, 1.3942e-32, 1)	(7.27235e-08, 1.0913e-43, 1)

**Table 2: Values of  $(x, y, z)$  as  $I_2$  Varies.**

$t$	$(x, y, z)$			
	$I_2 = 50$	$I_2 = 60$	$I_2 = 70$	$I_2 = 80$
0	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)
1	(0.999248, 0.942344, 0.999248)	(0.985753, 0.000314565,	(0.9985299, 6.42667e-09,	(0.985, -1.66662e-07,

		0.985753)	0.985299)	0.985)
2	(0.999979, 0.999935, 0.999979)	(0.99989, 0.000281133, 0.99989)	(0.999836, 2.2304e-07, 0.999836)	(0.999897, -1.17665e-08, 0.999897)
3	(1.00012, 1, 1.00012)	(0.999967, 0.000280966, 0.999967)	(0.999999, 3.93948e-07, 0.999999)	(0.999999, 3.03694e-08, 0.999999)
4	(0.999843, 1, 0.999843)	(0.99974, 0.000281467, 0.99974)	(1, 2.2182e-07, 1)	(1, -3.73307e-07, 1)
5	(1.001, 1, 1.001)	(0.999983, 0.00028095, 0.999983)	(1, 5.03943e-07, 1)	(1, -7.99523e-07, 1)
6	(0.999749, 1, 0.999749)	(1.00011, 0.000280687, 1.00011)	(1, 6.30323e-08, 1)	(1, -3.94536e-08, 1)
7	(0.999517, 1, 0.999517)	(1.00044, 0.000280015, 1.00044)	(1, 5.69427e-07, 1)	(1, 9.48457e-08, 1)
8	(0.999755, 1, 0.999755)	(0.999824, 0.000281437, 0.999824)	(1, -6.06526e-08, 1)	(1, 1.1715e-07, 1)
9	(0.999985, 1, 0.999985)	(0.999963, 0.000281141, 0.999963)	(1, 4.65812e-07, 1)	(1, 1.3636e-08, 1)
10	(0.999964, 1, 0.999964)	(0.999925, 0.000281228, 0.999925)	(1, 1.13096e-07, 1)	(1, 9.38665e-08, 1)

**Table 3: Values of  $(x, y, z)$  as  $C$  Varies.**

$t$	$(x, y, z)$			
	$C = 30$	$C = 40$	$C = 50$	$C = 60$
0	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)
1	(0.999248, 0.942344, 0.999248)	(0.985839, 4.63712e-05, 0.00350972)	(0.985256, 2.36343e-05, 1.54897e-07)	(0.98503, 2.16919e-05, 2.13235e-10)
2	(0.999979, 0.999935, 0.999979)	(0.999903, 3.45341e-09, 2.37719e-05)	(0.999893, 8.58287e-08, 6.6319e-08)	(0.999897, 2.24125e-09, -1.86044e-07)

3	(1.00012, 1, 1.00012)	(0.999999, 4.35512e-09, 1.98482e-07)	(0.999999, 1.04221e-10, -3.86615e-08)	(0.999999, 1.15751e-13, -1.02654e-06)
4	(0.999843, 1, 0.999843)	(1, 1.02448e-07, 1.41396e-08)	(1, 7.3405e-14, 2.57615e-07)	(1, 6.06353e-18, 8.91094e-08)
5	(1.001, 1, 1.001)	(1, 7.24848e-07, 1.29386e-10)	(1, 3.65885e-17, -7.32427e-07)	(1, 3.069353e-22, -5.50584e-07)
6	(0.999749, 1, 0.999749)	(1, -7.04319e-09, 1.05723e-12)	(1, 3.30923e-20, 3.60141e-07)	(1, 1.55971e-26, -4.70653e-08)
7	(0.999517, 1, 0.999517)	(1, 2.73335e-07, 1.0562e-14)	(1, 7.04516e-24, -1.36889e-07)	(1, 7.8574e-31, 2.59894e-07)
8	(0.999755, 1, 0.999755)	(1, 6.70298e-07, 9.80701e-17)	(1, 1.43351e-26, 1.02589e-07)	(1, 4.15255e-35, 4.36102e-07)
9	(0.999985, 1, 0.999985)	(1, 5.6242e-08, 7.94956e-19)	(1, 1.64995e-29, -5.14371e-08)	(1, 2.08257e-39, 9.01826e-08)
10	(0.999964, 1, 0.999964)	(1, 4.5109e-07, 7.3437e-21)	(1, 1.3941e-32, 4.01079e-07)	(1, 1.0913e-43, 7.27235e-08)

**Table 4: Values of  $(x, y, z)$  as  $K_1$  Varies.**

$t$	$(x, y, z)$			
	$K_1 = 10$	$K_1 = 20$	$K_1 = 30$	$K_1 = 40$
0	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)
1	(1.54897e-07, 2.36343e-05, 0.985256)	(0.00350972, 4.63712e-05, 0.985839)	(0.999248, 0.942344, 0.999248)	(1.00006, 0.993105, 0.999925)
2	(6.3719e-08, 8.58287e-08, 0.999893)	(2.37719e-05, 3.45341e-09, 0.999903)	(0.999979, 0.999935, 0.999979)	(1.00002, 1, 1)
3	(-3.86615e-08, 1.04221e-10, 0.999999)	(1.98482e-07, 4.35512e-09, 0.999999)	(1.00012, 1, 1.00012)	(1, 1, 1)
4	(2.57615e-07, 7.3405e-14, 1)	(1.41396e-08, 1.02448e-07, 1)	(0.999843, 1, 0.999843)	(0.999777, 1, 1)
5	(-7.32427e-07,	(1.29386e-10,	(1.001, 1, 1.001)	(1.00007, 1, 1)

	3.65885e-17, 1)	7.24848e-07, 1)		
6	(3.60141e-07, 3.30923e-20, 1)	(1.05723e-12, -7.04319e-09, 1)	(0.999749, 1, 0.999749)	(0.999131, 1, 1)
7	(-1.36889e-07, 7.04516e-24, 1)	(1.0562e-14, 2.73335e-07, 1)	(0.999517, 1, 0.999517)	(1.00062, 1, 1)
8	(1.02589e-07, 1.43351e-26, 1)	(9.80701e-17, 6.70298e-07, 1)	(0.999755, 1, 0.999755)	(1.00035, 1, 1)
9	(-5.14371e-08, 1.64995e-29, 1)	(7.94956e-19, 5.6242e-08, 1)	(0.999985, 1, 0.999985)	(0.999935, 1, 1)
10	(4.01079e-07, 1.3941e-32, 1)	(7.3437e-21, 4.5109e-07, 1)	(0.999964, 1, 0.999964)	(0.999972, 1, 1)

**Table 5: Values of  $(x, y, z)$  as  $K_2$  Varies.**

$t$	$(x, y, z)$			
	$K_2 = 35$	$K_2 = 45$	$K_2 = 55$	$K_2 = 65$
0	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)
1	(0.985753, 0.000314565, 0.985753)	(0.999248, 0.942344, 0.999248)	(1.00002, 1.00014, 1.00002)	(0.999995, 1.00035, 0.999995)
2	(0.99989, 0.000281133, 0.99989)	(0.999979, 0.999935, 0.999979)	(1, 1.00019, 1)	(1, 1.00016, 1)
3	(0.999967, 0.000280966, 0.999967)	(1.00012, 1, 1.00012)	(1, 1.00012, 1)	(1, 1.00064, 1)
4	(0.99974, 0.000281467, 0.99974)	(0.999843, 1, 0.999843)	(1, 1.00006, 1)	(1, 0.999999, 1)
5	(0.999983, 0.00028095, 0.999983)	(1.001, 1, 1.001)	(1, 1.00003, 1)	(1, 0.999876, 1)
6	(1.00011, 0.000280015, 1.00011)	(0.999749, 1, 0.999749)	(1, 1.00005, 1)	(1, 0.999829, 1)
7	(1.00044, 7.04516e-24, 1.00044)	(0.999517, 1, 0.999517)	(1, 1.00004, 1)	(1, 0.999904, 1)
8	(0.999824, 0.000281437, 0.999824)	(0.999755, 1, 0.999755)	(1, 0.999842, 1)	(1, 0.99983, 1)
9	(0.999963, 0.000281141, 0.999963)	(0.999985, 1, 0.999985)	(1, 0.999604, 1)	(1, 0.999462, 1)
10	(0.999925,	(0.999964, 1,	(1, 0.999706, 1)	(1, 0.999766, 1)

	0.000281228, 0.999925)	0.999964)		
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**Table 6: Values of  $(x, y, z)$  as  $T_1$  Varies.**

$t$	$(x, y, z)$			
	$T_1 = 5$	$T_1 = 10$	$T_1 = 15$	$T_1 = 20$
0	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)
1	(0.996511, 0.925109, 0.999233)	(0.999248, 0.942344, 0.999248)	(0.999946, 0.954168, 0.999514)	(0.999864, 0.962271, 0.999564)
2	(1, 1.00002, 1.00001)	(0.999979, 0.999935, 0.999979)	(1.00073, 0.999996, 1)	(1.00069, 0.999998, 1)
3	(1, 1, 0.999708)	(1.00012, 1, 1.00012)	(1.00046, 1, 1)	(0.999591, 1.00064, 1)
4	(1, 1, 1.0008)	(0.999843, 1, 0.999843)	(1.00012, 1, 1)	(1.00073, 1, 1)
5	(1, 1, 0.99972)	(1.001, 1, 1.001)	(0.999947, 1, 1)	(1.00008, 1, 1)
6	(1, 1, 1.00007)	(0.999749, 1, 0.999749)	(0.999947, 1, 1)	(1.00002, 1, 1)
7	(1, 1, 0.999945)	(0.999517, 1, 0.999517)	(1.00012, 1, 1)	(1.00009, 1, 1)
8	(1, 1, 1.00003)	(0.999755, 1, 0.999755)	(0.99989, 1, 1)	(0.999957, 1, 1)
9	(1, 1, 0.999882)	(0.999985, 1, 0.999985)	(0.999847, 1, 1)	(0.999873, 1, 1)
10	(1, 1, 0.999949)	(0.999964, 1, 0.999964)	(0.999883, 1, 1)	(0.999836, 1, 1)

**Table 7: Values of  $(x, y, z)$  as  $T_2$  Varies.**

$t$	$(x, y, z)$			
	$T_2 = 10$	$T_2 = 20$	$T_2 = 30$	$T_2 = 40$
0	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)
1	(0.988457, 0.0135119, 0.988457)	(0.999248, 0.942344, 0.999248)	(0.999948, 0.999964, 0.999948)	(0.999968, 0.99975, 0.999968)
2	(0.999932, 0.0129303, 0.999932)	(0.999979, 0.999935, 0.999979)	(1, 1.00071, 1)	(1, 1, 1)
3	(1.00005, 0.0129246, 1.00005)	(1.00012, 1, 1.00012)	(1, 0.999957, 1)	(1, 1.00017, 1)
4	(0.999987, 0.0129277, 0.999987)	(0.999843, 1, 0.999843)	(1, 1.00063, 1)	(1, 1.00078, 1)

5	(1, 0.012927, 1)	(1.001, 1, 1.001)	(1, 0.999946, 1)	(1, 0.999819, 1)
6	(0.999979, 0.0129281, 0.999979)	(0.999749, 1, 0.999749)	(1, 1.00053, 1)	(1, 1.00002, 1)
7	(1.00001, 0.0129264, 1.00001)	(0.999517, 1, 0.999517)	(1, 0.999932, 1)	(1, 1.00012, 1)
8	(0.999999, 0.0129271, 0.999999)	(0.999755, 1, 0.999755)	(1, 1.00043, 1)	(1, 1.00084, 1)
9	(1.00017, 0.012919, 1.00017)	(0.999985, 1, 0.999985)	(1, 0.999919, 1)	(1, 1, 1)
10	(0.999868, 0.0129338, 0.999868)	(0.999964, 1, 0.999964)	(1, 0.999947, 1)	(1, 0.999948, 1)

**Table 8: Values of  $(x, y, z)$  as  $T_3$  Varies.**

$t$	$(x, y, z)$			
	$T_3 = 5$	$T_3 = 10$	$T_3 = 15$	$T_3 = 20$
0	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)
1	(0.999233, 0.925109, 0.996511)	(0.999248, 0.942344, 0.999248)	(0.999514, 0.954168, 0.999946)	(0.999564, 0.962271, 0.999864)
2	(1.00001, 1.00002, 1)	(0.999979, 0.999935, 0.999979)	(1, 0.999996, 1.00073)	(1, 0.999998, 1.00069)
3	(0.999708, 1, 1)	(1.00012, 1, 1.00012)	(1, 1, 1.00046)	(1, 1, 0.999591)
4	(1.0008, 1, 1)	(0.999843, 1, 0.999843)	(1, 1, 1.00012)	(1, 1, 1.00073)
5	(0.99972, 1, 1)	(1.001, 1, 1.001)	(1, 1, 0.999947)	(1, 1, 1.00008)
6	(1.00007, 1, 1)	(0.999749, 1, 0.999749)	(1, 1, 0.999947)	(1, 1, 1.00002)
7	(0.999945, 1, 1)	(0.999517, 1, 0.999517)	(1, 1, 1.00012)	(1, 1, 1.00009)
8	(1.00003, 1, 1)	(0.999755, 1, 0.999755)	(1, 1, 0.99989)	(1, 1, 0.999957)
9	(0.999882, 1, 1)	(0.999985, 1, 0.999985)	(1, 1, 0.999847)	(1, 1, 0.999873)
10	(0.999949, 1, 1)	(0.999964, 1, 0.999964)	(1, 1, 0.999883)	(1, 1, 0.999836)

**Table 9: Values of  $(x, y, z)$  as  $H_1$  Varies.**

$t$	$(x, y, z)$			
	$H_1 = 5$	$H_1 = 10$	$H_1 = 15$	$H_1 = 20$
0	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)

1	(2.724e-05, 2.724e-05, 0.985463)	(4.63712e-05, 4.63712e-05, 0.985839)	(0.363866, 0.00453573, 0.987036)	(0.999248, 0.942344, 0.999248)
2	(-1.95325e-07, -1.95325e-07, 0.999991)	(3.43341e-09, 3.43341e-09, 0.999903)	(0.36746, 0.000309219, 0.999908)	(0.999979, 0.999935, 0.999979)
3	(2.59018e-08, 2.59018e-08, 0.999999)	(4.35512e-09, 4.35512e-09, 0.999999)	(0.367712, 2.19702e-05, 0.999999)	(1.00012, 1, 1.00012)
4	(2.37367e-07, 2.37367e-07, 1)	(1.02448e-07, 1.02448e-07, 1)	(0.36773, 1.53818e-06, 1)	(0.999843, 1, 0.999843)
5	(-7.01307e-07, -7.01307e-07, 1)	(7.24848e-07, 7.24848e-07, 1)	(0.367731, 1.79334e-07, 0.999999)	(1.001, 1, 1.001)
6	(-1.79387e-07, -1.7937e-07, 1)	(-7.04319e-09, -7.04319e-09, 1)	(0.367731, 5.37269e-08, 0.999992)	(0.999749, 1, 0.999749)
7	(-5.41783e-08, -5.41783e-08, 1)	(2.73335e-07, 2.73335e-07, 1)	(0.367732, 1.60252e-08, 0.999884)	(0.999517, 1, 0.999517)
8	(-4.26736e-07, -4.26736e-07, 1)	(6.70298e-07, 6.70298e-07, 1)	(0.367732, 1.38595e-09, 1.00058)	(0.999755, 1, 0.999755)
9	(-1.09201e-07, -1.09201e-07, 1)	(5.6242e-08, 5.6242e-08, 1)	(0.367732, 1.15445e-11, 1.00017)	(0.999985, 1, 0.999985)
10	(5.36774e-07, 5.36774e-07, 1)	(4.5109e-07, 4.5109e-07, 1)	(0.367732, 1.15445e-11, 0.999883)	(0.999964, 1, 0.999964)

**Table 10: Values of  $(x, y, z)$  as  $H_2$  Varies.**

$t$	$(x, y, z)$			
	$H_2 = 5$	$H_2 = 10$	$H_2 = 15$	$H_2 = 20$
0	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)
1	(0.985513, 1.95737e-06, 0.985513)	(0.985753, 0.000314565, 0.985753)	(0.988089, 0.0539861, 0.988089)	(0.999248, 0.942344, 0.999248)
2	(0.999908, 1.51358e-08, 0.999908)	(0.99989, 0.000281133, 0.99989)	(0.999732, 0.887058, 0.999732)	(0.999979, 0.999935, 0.999979)
3	(0.999932, 0.999932, 1)	(0.999967, 0.999967, 1)	(0.999929, 0.999134, 0.999929)	(1.00012, 1, 1.00012)

	1.03024e-08, 0.999932)	0.000280966, 0.999967)	0.999929)	1.00012)
4	(0.99895, 1.13427e-07, 0.99895)	(0.99974, 0.000281467, 0.99974)	(0.999954, 0.999994, 0.999954)	(0.999843, 1, 0.999843)
5	(0.999934, 7.34369e-09, 0.999934)	(0.999983, 0.00028095, 0.999983)	(0.999929, 1, 0.999929)	(1.001, 1, 1.001)
6	(1.00051, -3.83232e-08, 1.00051)	(1.00011, 0.000280687, 1.00011)	(1.00013, 1, 1.00013)	(0.999749, 1, 0.999749)
7	(1.00002, 2.11895e-09, 1.00002)	(1.00044, 0.000280015, 1.00044)	(0.999867, 1, 0.999867)	(0.999517, 1, 0.999517)
8	(1.00013, -9.20283e-09, 1.00013)	(0.999824, 0.000281437, 0.999824)	(1.00095, 1, 1.00095)	(0.999755, 1, 0.999755)
9	(1.00051, -2.76798e-08, 1.00051)	(0.999963, 0.000281141, 0.999963)	(1.00014, 1, 1.00014)	(0.999985, 1, 0.999985)
10	(0.999203, 3.06176e-08, 0.999203)	(0.999925, 0.000281228, 0.999925)	(0.999899, 1, 0.999899)	(0.999964, 1, 0.999964)

**Table 11: Values of  $(x, y, z)$  as  $S_1$  Varies.**

$t$	$(x, y, z)$			
	$S_1 = 15$	$S_1 = 20$	$S_1 = 30$	$S_1 = 40$
0	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)
1	(0.999248, 0.942344, 0.999248)	(0.363866, 0.00453573, 0.987036)	(2.33336e-05, 2.724e-05, 0.985463)	(1.03428e-09, 2.22787e-05, 0.985123)
2	(0.999979, 0.999935, 0.999979)	(0.36746, 0.000309219, 0.999908)	(-1.67311e-07, -1.95325e-07, 0.99991)	(3.22443e-08, 2.80107e-08, 0.999985)
3	(1.00012, 1, 1.00012)	(0.367712, 2.19702e-05, 0.999967)	(2.21866e-08, 2.59018e-08, 0.999999)	(-2.0076e-07, 2.00278e-12, 1.00012)
4	(0.999843, 1, 0.999843)	(0.36773, 1.53818e-06, 1)	(2.03313e-07, 2.37367e-07, 1)	(-7.65576e-08, 1.31895e-16,



				0.999999)
5	(1.001, 1, 1.001)	(0.367731, 1.79334e-07, 0.999999)	(-6.00663e-07, -7.01307e-07, 1)	(7.55578e-08, 8.6636e-21, 1)
6	(0.999749, 1, 0.999749)	(0.367731, 5.37269e-08, 0.999992)	(-1.53641e-07, -1.79387e-07, 1)	(1.94541e-07, 5.66959e-25, 1)
7	(0.999517, 1, 0.999517)	(0.367732, 1.60252e-08, 0.999884)	(-4.63999e-08, -5.41783e-08, 1)	(2.44802e-07, 3.70683e-29, 1)
8	(0.999755, 1, 0.999755)	(0.367732, 1.38595e-09, 1.00058)	(-3.65435e-07, -4.26736e-07, 1)	(2.51341e-07, 2.43415e-33, 1)
9	(0.999985, 1, 0.999985)	(0.367732, 1.36757e-10, 1.00017)	(-9.35147e-08, -1.09201e-07, 1)	(2.7351e-07, 1.62117e-37, 1)
10	(0.999964, 1, 0.999964)	(0.367732, 1.15445e-11, 0.999883)	(4.59648e-07, 5.36774e-07, 1)	(3.09581e-07, 1.09322e-41, 1)

**Table 12: Values of  $(x, y, z)$  as  $S_2$  Varies.**

$t$	$(x, y, z)$			
	$S_2 = 25$	$S_2 = 30$	$S_2 = 35$	$S_2 = 40$
0	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)
1	(0.999248, 0.942344, 0.999248)	(0.988089, 0.0539861, 0.988089)	(0.985753, 0.000314565, 0.985753)	(0.985513, 1.95737e-06, 0.999248)
2	(0.999979, 0.999935, 0.999979)	(0.999732, 0.887058, 0.999732)	(0.99989, 0.000281133, 0.99989)	(0.999908, 1.51358e-08, 0.999979)
3	(1.00012, 1, 1.00012)	(0.999929, 0.999134, 0.999929)	(0.999967, 0.000280966, 0.999967)	(0.999932, 1.13427e-07, 1.00012)
4	(0.999843, 1, 0.999843)	(0.999954, 0.999994, 0.999954)	(0.99974, 0.000281467, 0.99974)	(0.99895, 1.13427e-07, 0.999843)
5	(1.001, 1, 1.001)	(0.999929, 1, 0.999929)	(0.999983, 0.00028095, 0.999983)	(0.999934, 7.34369e-09, 1.001)
6	(0.999749, 1, 0.999749)	(1.00013, 1, 1.00013)	(1.00011, 0.000280687,	(1.00051, -3.83232e-08,

			1.00011)	0.999749)
7	(0.999517, 1, 0.999517)	(0.999867, 1, 0.999867)	(1.00044, 0.000280015, 1.00044)	(1.00002, 2.11895e-09, 0.999517)
8	(0.999755, 1, 0.999755)	(1.00095, 1, 1.00095)	(0.999824, 0.000281437, 0.999824)	(1.00013, -9.20283e-09, 0.999755)
9	(0.999985, 1, 0.999985)	(1.00014, 1, 1.00014)	(0.999963, 0.000281141, 0.999963)	(1.00051, -2.76798e-08, 0.999985)
10	(0.999964, 1, 0.999964)	(0.999899, 1, 0.999899)	(0.999925, 0.000281228, 0.999925)	(0.999203, 3.061776e-08, 0.999964)

**Table 13: Values of  $(x, y, z)$  as  $L$  Varies.**

$t$	$(x, y, z)$			
	$L = 5$	$L = 10$	$L = 15$	$L = 20$
0	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)
1	(0.985463, 2.724e-05, 2.33336e-05)	(0.985839, 4.63712e-05, 0.00350972)	(0.987036, 0.00453573, 0.363866)	(0.999248, 0.942344, 0.999248)
2	(0.99991, -1.95325e-07, -1.673111e-07)	(0.999903, 3.45341e-09, 2.37719e-05)	(0.999908, 0.000309219, 0.36746)	(0.999979, 0.999935, 0.999979)
3	(0.999999, 2.59018e-07, 2.21866e-08)	(0.999999, 4.35512e-09, 1.98482e-07)	(0.999999, 2.19702e-05, 0.367712)	(1.00012, 1, 1.00012)
4	(1, 2.37367e-07, 2.03313e-07)	(1, 1.02448e-07, 1.41396e-08)	(1, 1.53818e-06, 0.36773)	(0.999843, 1, 0.999843)
5	(1, -7.01307e-07, -6.00663e-07)	(1, 7.24844e-07, 1.29386e-10)	(0.999999, 1.79334e-07, 0.367731)	(1.001, 1, 1.001)
6	(1, -1.79387e-07, -1.53641e-07)	(1, -7.044319e-09, 1.05723e-12)	(0.999992, 5.37269e-08, 0.367731)	(0.999749, 1, 0.999749)
7	(1, -5.41783e-08, -4.63999e-08)	(1, 2.73335e-07, 1.0562e-14)	(0.999884, 1.60252e-08, 0.367732)	(0.999517, 1, 0.999517)

8	(1, -4.26736e-07, -3.65436e-07)	(1, 6.70298e-07, 9.80701e-17)	(1.00058, 1.38595e-09, 0.367732)	(0.999755, 1, 0.999755)
9	(1, -1.09201e-07, -9.35147e-08)	(1, 5.6242e-08, 7.94956e-19)	(1.00017, 1.36757e-10, 0.367732)	(0.999985, 1, 0.999985)
10	(1, 5.36774e-07, 4.59648e-07)	(1, 4.5109e-07, 7.3437e-21)	(0.999883, 1.15445e-11, 0.367732)	(0.999964, 1, 0.999964)

**Table 14: Values of  $(x, y, z)$  as  $M$  Varies.**

$t$	$(x, y, z)$			
	$M = 5$	$M = 10$	$M = 15$	$M = 20$
0	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)	(0.3, 0.3, 0.3)
1	(0.985839, 4.63712e-05, 0.00350972)	(0.987036, 0.00453573, 0.363866)	(0.999248, 0.942344, 0.999248)	(0.99984, 0.987675, 0.999984)
2	(0.999903, 3.45341e-09, 2.37719e-05)	(0.999908, 0.000309219, 0.36746)	(0.999979, 0.999935, 0.999979)	(1, 0.999998, 1.00027)
3	(0.999999, 4.35512e-09, 1.98482e-07)	(0.999999, 2.19702e-05, 0.367712)	(1.00012, 1, 1.00012)	(1, 1, 0.999917)
4	(0.999999, 1.02448e-07, 1.41396e-08)	(1, 1.53818e-06, 0.36773)	(0.999843, 1, 0.999843)	(1, 1, 1.00012)
5	(1, 7.24848e-07, -1.29386e-10)	(0.999999, 1.79334e-07, 0.367731)	(1.001, 1, 1.001)	(1, 1, 0.99994)
6	(1, -7.04319e-09, 1.05723e-12)	(0.999992, 5.37269e-08, 0.367731)	(0.999749, 1, 0.999749)	(1, 1, 1.0001)
7	(1, 2.73335e-07, 1.0562e-14)	(0.999884, 1.60252e-08, 0.367732)	(0.999517, 1, 0.999517)	(1, 1, 0.999993)
8	(1, 6.70298e-07, 9.80701e-17)	(1.00058, 1.38595e-09, 0.367732)	(0.999755, 1, 0.999755)	(1, 1, 1.00007)
9	(1, 5.6242e-08,	(1.00017,	(0.999985, 1,	(1, 1, 1.00003)

	7.94956e-19)	1.36757e-10, 0.367732)	0.999985)	
10	(1, 4.5109e-07, 7.3437e-21)	(0.999883, 1.15445e-11, 0.367732)	(0.999964, 1, 0.999964)	(1, 1, 0.999981)

Note:  $(x, y, z)$  denote the probabilities of members adopting the strategies (empower, empower, AS), respectively.