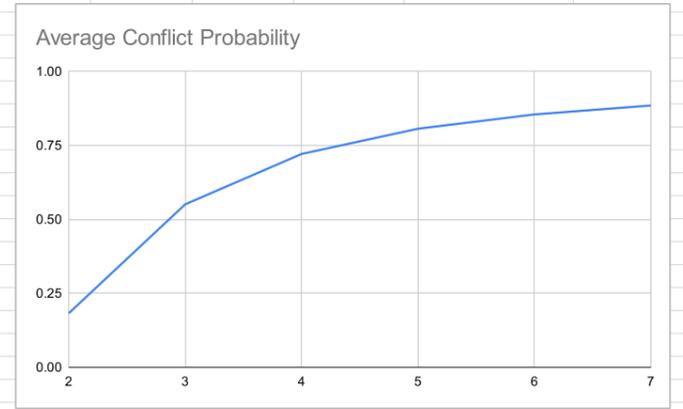| | | | | | Monitor Randomness | | | | | | | |
| | | | | | 0.25 | | | | | | | |

MaxScales	Servers	Servers Required	Total Combinations	Majority Combinations	Probability of a Conflicting Combination	Probability of Conflicting Retries	Retry Attempt 1	2	3	4	5	6
2	1	1	2	2	0	0.25	1	1	1	1	1	1
2	2	2	4	2	0.5	0.25	0.875	0.984375	0.998046875	0.9997558594	0.9999694824	0.9999961853
2	3	2	8	8	0	0.25	1	1	1	1	1	1
2	4	3	16	10	0.375	0.25	0.90625	0.9912109375	0.9991760254	0.9999227524	0.999992758	0.9999993211
2	5	3	32	32	0	0.25	1	1	1	1	1	1
2	6	4	64	44	0.3125	0.25	0.921875	0.9938964844	0.9995231628	0.9999627471	0.9999970896	0.9999997726
2	7	4	128	128	0	0.25	1	1	1	1	1	1
2	8	5	256	186	0.273438	0.25	0.9316405	0.9953269788	0.9996805546	0.9999781629	0.9999985072	0.999999898
2	9	5	512	512	0	0.25	1	1	1	1	1	1
3	1	1	3	3	0	0.0625	1	1	1	1	1	1
3	2	2	9	3	0.666667	0.0625	0.9583333125	0.9982638872	0.9999276619	0.9999969859	0.9999998744	0.9999999948
3	3	2	27	21	0.222222	0.0625	0.986111125	0.9998070992	0.9999973208	0.9999999628	0.9999999995	1
3	4	3	81	27	0.666667	0.0625	0.9583333125	0.9982638872	0.9999276619	0.9999969859	0.9999998744	0.9999999948
3	5	3	243	153	0.37037	0.0625	0.976851875	0.9994641643	0.9999875964	0.9999997129	0.9999999934	0.9999999998
3	6	4	729	219	0.699588	0.0625	0.95627575	0.99808819	0.9999164075	0.999996345	0.9999998402	0.999999993
3	7	4	2187	1137	0.48011	0.0625	0.969993125	0.9990995875	0.9999729814	0.9999991893	0.9999999757	0.9999999993
3	8	5	6561	1731	0.736168	0.0625	0.9539895	0.9978830339	0.9999025973	0.9999955185	0.9999997938	0.9999999905
3	9	5	19683	8553	0.565463	0.0625	0.9646585625	0.9987509828	0.9999558579	0.99999844	0.9999999449	0.9999999981
4	1	1	4	4	0	0.15625	1	1	1	1	1	1
4	2	2	16	4	0.75	0.15625	0.8828125	0.9862670898	0.9983906746	0.9998114072	0.9999778993	0.9999974101
4	3	2	64	40	0.375	0.15625	0.94140625	0.9965667725	0.9997988343	0.9999882129	0.9999993094	0.9999999595
4	4	3	256	52	0.796875	0.15625	0.8754882813	0.9844968319	0.9986696739	0.9997596518	0.9999700738	0.9999962738
4	5	3	1024	424	0.585938	0.15625	0.9084471875	0.9916180825	0.9992326119	0.9999297435	0.9999935678	0.9999994111
4	6	4	4096	616	0.849609	0.15625	0.8672485938	0.9823770641	0.9976605305	0.9996894321	0.9999587717	0.9999945269
4	7	4	16384	4624	0.717773	0.15625	0.8878479688	0.9874219219	0.998589343	0.999841792	0.9999822566	0.99999801
4	8	5	65536	7156	0.890808	0.15625	0.86081125	0.9806264919	0.9973034256	0.9996246672	0.9999477579	0.9999927285
4	9	5	262144	51304	0.804291	0.15625	0.8743295313	0.9842069333	0.9980152779	0.999750579	0.9999686552	0.9999960609
5	1	1	5	5	0	0.12109375	1	1	1	1	1	1
5	2	2	25	5	0.8	0.12109375	0.903125	0.9906152344	0.9990908508	0.9999119262	0.9999914678	0.9999991734
5	3	2	125	65	0.48	0.12109375	0.941875	0.9966214844	0.9998036238	0.9999885856	0.9999993365	0.9999999614
5	4	3	625	85	0.864	0.12109375	0.895375	0.9890536094	0.9988547339	0.9998801765	0.9999874635	0.9999986884
5	5	3	3125	905	0.7104	0.12109375	0.913975	0.9925996994	0.9993633891	0.9999452356	0.9999952889	0.9999995947
5	6	4	15625	1325	0.9152	0.12109375	0.889175	0.9877178194	0.9986388273	0.999849148	0.9999832818	0.9999981472
5	7	4	78125	13025	0.83328	0.12109375	0.899095	0.989818181	0.9989726036	0.9998963306	0.9999895392	0.9999989445
5	8	5	390625	20325	0.947968	0.12109375	0.885207	0.9868225672	0.998487323	0.9998263553	0.9999800668	0.9999977118
5	9	5	1953125	191225	0.902093	0.12109375	0.8907621758	0.9880670978	0.9986964757	0.9998576058	0.9999844452	0.9999983008
6	1	1	6	6	0	0.162109375	1	1	1	1	1	1
6	2	2	36	6	0.833333	0.162109375	0.8649089082	0.9817503969	0.9975346412	0.999666952	0.9999550082	0.999993922
6	3	2	216	96	0.555556	0.162109375	0.9099391641	0.9918890458	0.9992695207	0.9999342124	0.9999940751	0.9999994664
6	4	3	1296	126	0.902778	0.162109375	0.8536512227	0.9785820354	0.9968655071	0.9995412708	0.9999328655	0.999990175
6	5	3	7776	1656	0.787037	0.162109375	0.8724139238	0.9837217932	0.9979231275	0.99973502	0.9996661922	0.9999956866
6	6	4	46656	2436	0.947788	0.162109375	0.8463546797	0.9763931155	0.9963729127	0.999442715	0.9999143758	0.9999868442
6	7	4	279936	29616	0.894204	0.162109375	0.8550411484	0.9789869314	0.9969539697	0.9995584509	0.9999359936	0.9999907217
6	8	5	1679616	46446	0.972347	0.162109375	0.8423734355	0.9751538662	0.9960835893	0.9993826696	0.9999026923	0.9999846617
6	9	5	10077696	541176	0.9463	0.162109375	0.8465958984	0.9764671816	0.9963899691	0.9994462065	0.9999150458	0.9999869677
7	1	1	7	7	0	0.1950683594	1	1	1	1	1	1
7	2	2	49	7	0.857143	0.1950683594	0.8327985212	0.9720436655	0.9953256595	0.9992184434	0.9998693226	0.9999781505
7	3	2	343	133	0.612245	0.1950683594	0.8805703723	0.985736564	0.9982965232	0.9997965544	0.9999757026	0.9999970982
7	4	3	2401	175	0.927114	0.1950683594	0.8191493931	0.967293058	0.9940849297	0.9989302559	0.9998065361	0.9999650119
7	5	3	16807	2737	0.837151	0.1950683594	0.8366983279	0.9733325639	0.9956451631	0.9992888479	0.9998838677	0.9999810354
7	6	4	117649	4039	0.965669	0.1950683594	0.8116285325	0.9645161902	0.9933158627	0.9987408992	0.9997628213	0.9999553223
7	7	4	823543	58513	0.92895	0.1950683594	0.8187912476	0.967163388	0.9940497185	0.9989217569	0.9998046129	0.9999645942
7	8	5	5764801	92071	0.984029	0.1950683594	0.8080470774	0.9631540755	0.9929273171	0.9986423778	0.9997394005	0.9999499772
7	9	5	40353607	1279537	0.968292	0.1950683594	0.8111168682	0.9643231625	0.9932612472	0.9987271633	0.9997595826	0.9999545892

	1	2	3	4	5	6
Median	0.90111	0.9902167077	0.9990317272	0.9999041284	0.9999905035	0.999999059
Average	0.9108587319	0.988330262	0.9983200474	0.9997430983	0.9999589706	0.9999932273
Best Case Recovery	10	20	30	40	50	60
Worst Case Recovery	16	32	48	64	80	96
Number of Nines (MED)	1	2	3	4	5	6
Number of Nines (AVG)	1	1	2	3	4	5

Average Conflict Probability

MaxScales	Average Conflict Chance
2	0.18261725
3	0.550906875
4	0.72128675
5	0.806617625
6	0.854917875
7	0.885074125

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				Interval Min	Interval Max
Randomness				5	8
0.25		Interval	Time	Time Max	
Retry Conflict Probability		2	10	16	
0.0625					

Total number of servers	Servers required for a conflict	Probability of no conflict on this round	1	2	3	4	5
2	1	0.5	0.875	0.984375	0.998046875	0.9997558594	0.9999694824
4	2	0.375	0.90625	0.9912109375	0.9991760254	0.9999227524	0.999992758
6	3	0.3125	0.921875	0.9938964844	0.9995231628	0.9999627471	0.9999970896
8	4	0.2734375	0.931640625	0.9953269958	0.9996805564	0.999978163	0.9999985072
10	5	0.24609375	0.9384765625	0.9962148666	0.9997671256	0.9999856728	0.9999991185
12	6	0.2255859375	0.9436035156	0.9968194366	0.9998206274	0.999989884	0.9999994295
14	7	0.2094726563	0.9476318359	0.9972575754	0.9998563843	0.9999924791	0.9999996061
16	8	0.1963806152	0.9509048462	0.9975896659	0.9998816643	0.9999941903	0.9999997148
	Average	0.2923088074	0.9269227982	0.9940863703	0.9994690526	0.9999477185	0.9999944633

			Time to resolution					
		Min	10	20	30	40	50	60
MaxScales	2	Max	16	32	48	64	80	96
Probability	0.5	Average	13	26	39	52	65	78

Non-conflicting node counts		
1	0	
3	0	
5	0	
7	0	
9	0	0.375
11	0	
13	0	
15	0	
Total Average	0.03247875637	

Servers	Monitor interval (seconds)	Conflict Probability	Round	Time (best)	Time (worst)	Probability	Success	Whether you should start buying lottery tickets	Chance of winning the lottery in Finland
4	2	0.375	1	10	16	0.09375	0.90625	FALSE	0.000000053638
Minimum Required	States	Retry Conflict Probability	2	20	32	0.0087890625	0.9912109375	FALSE	
3		0.25	3	30	48	0.0008239746094	0.9991760254	FALSE	
MaxScales		Total Conflict Probability	4	40	64	0.00007724761963	0.9999227524	FALSE	
2		0.09375	5	50	80	0.00000724196434	0.999992758	FALSE	
			6	60	96	0.0000006789341569	0.9999993211	FALSE	
			7	70	112	0.00000006365007721	0.9999999363	FALSE	
			8	80	128	0.00000000596719473	0.999999994	TRUE	
			9	90	144	0.00000000055942450	0.9999999994	TRUE	
			10	100	160	0	0.9999999999	TRUE	
			11	110	176	0	1	TRUE	
			12	120	192	0	1	TRUE	
			13	130	208	0	1	TRUE	
			14	140	224	0	1	TRUE	
			15	150	240	0	1	TRUE	