Brea Koenes, Borg 80x80

log runtime vs. processes

Borg % Burned vs. Probability

Borg Burn Times vs. Probability

processes	log runtime
1	6.860716377
2	6.169337486
4	5.474752491
8	4.803903489
16	4.096537805
32	3.404277533
64	2.731107526
128	2.058742665
256	1.384982251

	1 process Total time: 954.050282		2 processes Total time: 477.869406		4 process Total time: 238.591406		8 process Total time: 121.985659		16 process Total time: 60.131739		32 process Total time: 30.092547		64 process Total time: 15.349878		128 process Total time: 7.836111		256 process Total time: 3.994755	
probability	% burned (1)	burn times (1)	% burned	burn times	% burned	burn times	% burned	burn times	% burned	burn times	% burned	burn times	% burned	burn times	% burned	burn times	% burned (256)	burn times (256)
0	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
0.01	0.000007	2.0452	0.000007	2.0412	0.000008	2.0472	0.000007	2.0416	0.000022	2.0352	0.000005	2.032	0.000009	2.0544	0.000004	2.0224	0.000006	2.038
0.02	0.000012	2.0776	0.000012	2.074	0.000013	2.08	0.000015	2.0896	0.000052	2.0832	0.000013	2.0768	0.000013	2.0768	0.000012	2.0768	0.000013	2.0812
0.03	0.00002	2.121	0.00002	2.1244	0.000021	2.1264	0.000015	2.0944	0.00006	2.0928	0.000022	2.1312	0.000018	2.1168	0.000022	2.1376	0.00002	2.1292
0.04	0.000029	2.1758	0.000029	2.172	0.000025	2.152	0.00003	2.1776	0.000115	2.1648	0.000023	2.1312	0.000027	2.1504	0.000033	2.208	0.000025	2.1592
0.05	0.000038	2.2272	0.000033	2.2024	0.000033	2.196	0.000041	2.2368	0.000175	2.2608	0.000043	2.2112	0.000024	2.2528	0.000036	2.2112	0.000048	2.286
0.06	0.000046	2.2658	0.000044	2.2588	0.000047	2.2736	0.000046	2.2752	0.000174	2.272	0.000031	2.1824	0.00004	2.2304	0.000047	2.2688	0.000047	2.28
0.07	0.000056	2.323	0.000055	2.312	0.000056	2.3256	0.000055	2.3008	0.000206	2.2912	0.000055	2.3056	0.000049	2.2848	0.000058	2.3264	0.000053	2.3116
0.08	0.000063	2.3596	0.000063	2.3612	0.000062	2.3552	0.000061	2.3328	0.000272	2.3616	0.000068	2.4	0.000057	2.3232	0.000072	2.408	0.000068	2.394
0.09	0.000081	2.4542	0.000083	2.4612	0.000076	2.4256	0.000071	2.4096	0.00027	2.368	0.000079	2.4352	0.000088	2.4816	0.000083	2.4832	0.00007	2.3956
0.1	0.000086	2.4722	0.000092	2.5076	0.00008	2.4464	0.000102	2.5536	0.00035	2.496	0.000084	2.4896	0.000078	2.4512	0.000078	2.4192	0.000085	2.4752
0.11	0.000101	2.546	0.000098	2.532	0.000098	2.5376	0.000106	2.5664	0.000404	2.5472	0.000089	2.4864	0.000093	2.5344	0.000101	2.5504	0.000117	2.6256
0.12	0.000116	2.6144	0.000113	2.6084	0.000122	2.6504	0.000109	2.5808	0.000474	2.6464	0.00012	2.6528	0.000109	2.56	0.000098	2.544	0.000135	2.7552
0.13	0.000135	2.7082	0.000126	2.6748	0.000117	2.6216	0.000141	2.728	0.000504	2.6432	0.000133	2.688	0.000134	2.6592	0.000134	2.704	0.000141	2.71
0.14	0.000148	2.769	0.000148	2.74	0.000146	2.7688	0.000156	2.8128	0.000523	2.6832	0.000148	2.7392	0.000162	2.8384	0.000155	2.8112	0.00014	2.7036
0.15	0.000166	2.8476	0.000164	2.84	0.000165	2.8416	0.000153	2.7808	0.000753	2.9312	0.0002	2.9792	0.00014	2.7328	0.000159	2.8384	0.000173	2.8688
0.16	0.000183	2.9192	0.00019	2.9588	0.000177	2.8952	0.000179	2.928	0.00074	2.8928	0.000186	2.936	0.000212	3.0672	0.000202	3.0336	0.000196	2.96
0.17	0.000208	3.0164	0.000216	3.0424	0.000212	3.036	0.000218	3.0416	0.000806	2.9808	0.000186	2.9632	0.00021	3.0512	0.000218	3.072	0.000234	3.154
0.18	0.000227	3.0914	0.000237	3.144	0.00025	3.2224	0.000219	3.0576	0.000978	3.2048	0.000233	3.1712	0.000211	2.9968	0.000263	3.2432	0.000237	3.1192
0.19	0.000261	3.2494	0.000249	3.1948	0.000249	3.1928	0.000282	3.3184	0.000993	3.1744	0.000248	3.1808	0.000234	3.112	0.000257	3.2	0.000264	3.2184
0.2	0.000292	3.3556	0.000293	3.3636	0.000284	3.3296	0.00032	3.5088	0.00112	3.3488	0.000302	3.4112	0.000255	3.1904	0.000244	3.2096	0.000284	3.3128
0.21	0.00033	3.496	0.000329	3.4884	0.00034	3.5336	0.000357	3.5648	0.001471	3.5904	0.000357	3.4368	0.000357	3.5776	0.000336	3.5152	0.000308	3.4104
0.22	0.000371	3.6276	0.000365	3.6304	0.000336	3.5032	0.000341	3.4976	0.001458	3.6304	0.000313	3.448	0.000371	3.6352	0.000325	3.4752	0.000353	3.5396
0.23	0.000405	3.7488	0.000416	3.7924	0.000421	3.7912	0.000438	3.896	0.001577	3.6576	0.000412	3.784	0.000374	3.6352	0.000411	3.7728	0.000406	3.8176
0.24	0.000461	3.9472	0.000444	3.9012	0.000444	3.8584	0.000504	3.7008	0.001726	3.8192	0.00048	3.9744	0.000416	3.8208			0.000463	3.9116
0.25	0.000503	4.0776	0.000513	4.0984	0.000472	3.9864	0.000481	4	0.001991	4.192	0.000472	3.976	0.00049	3.9936	0.000481	3.9856	0.000545	4.194
0.26	0.000553	4.2294	0.000548	4.2324	0.000586	4.3344	0.000527	4.2208	0.002368	4.2208	0.000559	4.2704	0.00055	4.2368	0.000541	4.1536	0.000568	4.3016
0.27	0.000612	4.422	0.000667	4.5752	0.000677	4.5768	0.000655	4.4624	0.00256	4.6032	0.000733	4.672	0.00066	4.3904	0.000616	4.5808	0.000616	4.476
0.28	0.000708	4.705	0.000732	4.7532	0.000698	4.6736	0.000737	4.7664	0.003092	4.8656	0.000714	4.7648	0.000776	4.784	0.000674	4.7168	0.000632	4.4816
0.29	0.000809	4.9776	0.000778	4.8632	0.00077	4.8624	0.000764	4.8896	0.002928	4.7584	0.000808	4.8976	0.000815	5.0496	0.000664	4.4368	0.000842	5.0132
0.3	0.000922	5.224	0.000919	5.2912	0.000904	5.2816	0.000897	5.328	0.003478	5.08	0.000889	5.0976	0.000884	4.984	0.00092	5.2352	0.000881	5.1592
0.31	0.001033	5.5236	0.001098	5.606	0.001042	5.556	0.001042	5.6512	0.00412	5.5536	0.001059	5.5504	0.001101	5.6608	0.001102	5.6112	0.000972	5.402
0.32	0.001205	5.9624	0.001156	5.86	0.001219	6.0128	0.001228	6.2432	0.004995	5.936	0.001028	5.52	0.001217	5.9744	0.001172	5.7264	0.001174	5.868
0.33	0.001405	6.4256	0.001371	6.3636	0.001345	6.2552	0.001522	6.5056	0.005103	6.0864	0.001247	5.8704	0.001266	6.2	0.001505	6.6784	0.00126	6.052
0.34	0.001615	6.8344	0.00166	6.954	0.001617	6.8856	0.00147	6.5248	0.006728	6.7968	0.001864	7.4208	0.001414	6.4672	0.001529	6.928	0.001594	6.8172
0.35	0.001926	7.5578	0.001873	7.3876	0.001796	7.1376	0.001809	7.2464	0.00685	6.9472	0.001711	7.064	0.001852	7.304	0.001898	7.5536	0.001899	7.3344
0.36	0.002279	8.147	0.002185	7.9588	0.002135	7.876	0.002318	8.3632	0.009036	8.08	0.002177	8.024	0.002179	7.8704	0.002376	8.4608	0.002006	7.5984
0.37	0.002667	8.8408	0.002655	8.758	0.002515	8.5944	0.002614	8.9568	0.010973	8.8656	0.002371	8.1472	0.002982	9.3408	0.00286	9.12	0.00249	8.2984
0.38	0.003242	9.7284	0.003233	9.6868	0.002986	9.4056	0.002838	9.1568	0.013114	9.9816	0.003637	10.4144	0.002968	9.2928	0.003216	9.5072	0.003389	10.1004
0.39	0.004026	10.9482	0.004104	11.1752	0.003959	10.7896	0.004645	12.0848	0.015519	10.8336	0.003252	9.6592	0.004182	11.0048	0.003994	11.0224	0.004089	10.9684
0.4	0.00494	12.2298	0.005159	12.4676	0.00487	11.9896	0.004666	11.8016	0.01754	11.4	0.004562	11.4432	0.0049	12.08	0.004599	11.7104	0.004787	12.2948
0.41	0.006241	13.7718	0.006333	13.91	0.006354	14.0864	0.005806	13.0816	0.027095	13.9808	0.005913	13.4736	0.006555	14.4112	0.006967	14.8976	0.005322	12.864
0.42	0.00824	16.1344	0.008143	16.0516	0.008368	16	0.008944	17.0192	0.029701	15.0944	0.00749	15.992	0.008133	15.7744	0.008594	16.88	0.008429	16.7948
0.43	0.011207	18.9822	0.010876	18.6672	0.011967	19.892	0.01069	19.3136	0.045538	19.4656	0.01182	19.3824	0.00983	17.6176	0.010447	17.8896	0.009418	16.7872
0.44	0.015861	23.0794	0.016371	23.6904	0.016928	23.8976	0.017349	24.5232	0.058114	22.2816	0.016292	23.5952	0.01677	23.816	0.01413	21.6576	0.017792	24.7968
0.45	0.025451	30.318	0.024822	30.1008	0.023405	28.656	0.024546	28.6944	0.074834	24.8048	0.025473	29.1216	0.025295	30.6016	0.023603	31.3552	0.025551	30.5224
0.46	0.038049	37.7706	0.03818	38.512	0.037066	37.08	0.038381	36.7296	0.098022	28.816	0.037539	37.0768	0.035194	36.1488	0.035096	37.7072	0.04004	38.8056
0.47	0.063543	50.3244	0.06017	48.6752	0.062875	49.1936	0.064734	51.632	0.1349	34.9376	0.065748	50.2656	0.054764	45.2768	0.065919	51.568	0.06578	51.2028
0.48	0.106356	66.428	0.109097	68.1136	0.103609	63.5032	0.110528	66.4464	0.195277	41.5424	0.097039	59.3904	0.11234	70.4784	0.069292	69.2992	0.10579	68.294
0.49	0.168628	83.5148	0.174523	85.0576	0.170276	84.064	0.176633	84.5424	0.246271	46.4896	0.166843	86.5344	0.17491	86.4208	0.169051	82.3056	0.163572	83.5732
0.5	0.276664	106.6802	0.28086	107.4552	0.278088	106.5808	0.257591	101.2512	0.322437	53.368	0.296913	112.7792	0.263935	104.5488	0.29162	112.376	0.277583	102.6596
0.51	0.409094	126.7082	0.412908	126.3292	0.404007	125.9792	0.429441	133.8224	0.403581	59.7984	0.383532	116.2992	0.397255	124.7216	0.370534	117.3008	0.42019	123.9296
0.52	0.527255	130.2946	0.522829	130.658	0.511242	127.8608	0.506437	128.832	0.518411	64.0848	0.518501	131.4384	0.522398	125.7568	0.507463	126.6176	0.499794	124.9064
0.53	0.618734	127.482	0.62564	127.994	0.628247	130.1808	0.651583	138.8976	0.568781	61.9024	0.61141	124.7136	0.623874	130.2128	0.593671	125.8368	0.594692	123.39
0.54	0.694446	121.2566	0.707523	122.986	0.695963	120.3008	0.737904	126.6832	0.632978	60.7424	0.689978	122.472	0.687053	120.904	0.726811	125.4496	0.722146	124.4392
0.55	0.753889	113.667	0.753195	114.1876	0.756984	113.6528	0.719016	110.0672	0.710137	63.84	0.775465	117.5856	0.746377	111.7472	0.770469	115.5216	0.772464	117.168
0.56	0.786923	106.6942	0.790911	106.5872	0.828411	107.3	0.770331	103.6208	0.770475	62.0016	0.788117	106.0208	0.798719	108.5728	0.798719	108.4384	0.770319	104.246
0.57	0.822797	101.6194	0.815755	101.1204	0.828411	102.9384	0.81219	100.7376	0.804179	59.8288	0.817994	101.3824	0.816251	100.3808	0.834281	103.9168	0.835215	103.4596
0.58	0.843702	97.3636	0.845059	97.6096	0.844557	97.5232	0.838501	96.52	0.833096	56.7536	0.845384	97.648	0.835439	96.632	0.868383	100.7552	0.847575	97.6008
0.59	0.874553	95.3604	0.870261	94.9112	0.865298	94.2824	0.875691	95.1504	0.858012	55.416	0.848589	92.304	0.863363	93.7728	0.872315	95.2288	0.879497	95.0276
0.6	0.887235	92.4986	0.895223	93.2912	0.887188	92.656	0.890789	93.0144	0.853451	51.2464	0.879497	91.4384	0.876796	90.7984	0.891697	92.728	0.887555	91.9828
0.61	0.903324	90.4864	0.913165	91.5584	0.906759	90.6144	0.900181	89.664	0.903852	51.6272	0.923828	92.0736	0.902598	90.5344	0.905911	90.6352	0.909555	90.962
0.62	0.913489	88.6816	0.923385	89.446	0.903357	87.8848	0.913916	89.0144	0.924454	50.5712	0.910212	88.5552	0.919057	89.3056	0.916089	89.8152	0.91647	89.2128
0.63	0.927899	87.8204	0.932138	88.0372	0.93033	88.0352	0.937879	88.2816	0.926606	49.2352	0.935136	88.7136	0.901351	84.9792	0.916915	86.776	0.940702	88.3616
0.64	0.937817	86.7426	0.936265	86.544	0.938902	86.744	0.909419	84.3664	0.934806	47.6112	0.949921	87.504	0.916151	84.6768			0.938348	86.8624
0.65	0.947928	85.9342	0.945754	85.7064	0.945748	85.8152	0.942219	85.3424	0.93873	46.0144	0.932704	84.3392	0.940499	85.2544	0.960498	86.712	0.948148	86.2784
0.66	0.955327	85.3396	0.952223	84.9928	0.956862	85.3	0.942598	84.04	0.940119	45.5056	0.95833	85.3456	0.945769	84.3072	0.949362	84.8944	0.950696	84.9204
0.67	0.96005	84.4792	0.962385	84.604	0.957297	84.3328	0.964754	85.0928	0.957562	45.2896	0.96211	84.6256	0.965151	84.9776	0.967863	85.3904	0.960232	84.6676
0.68	0.967434	84.2376	0.964741	84.1296	0.963609	83.9896	0.965308	84.0064	0.96307	44.8864	0.971246	84.4592	0.974292	84.9904	0.96208	83.7072	0.959263	83.718
0.69	0.967928	83.49	0.973377	83.9952	0.971651	83.8472	0.970796	83.4064	0.948823	43.5328	0.973959	84.208	0.964558	83.4064	0.967809	83.44	0.970479	83.7388
0.7	0.975832	83.5182	0.975121	83.5188	0.974855	83.3992	0.960959	82.1424	0.963984	43.448	0.982787	84.0288	0.973371	83.5392	0.9636	82.56	0.973164	83.1608
0.71	0.97869	83.305	0.979964	83.342	0.98088	83.4232	0.978279	83.24	0.978819	43.7104	0.981466	83.68	0.978407	83.128	0.975471	83.136	0.981662	83.398

0.72	0.981205	82.9962	0.980987	83.044	0.982579	83.1232	0.986478	83.432	0.980621	43.5504	0.983392	83.3216	0.986434	83.4528	0.97696	82.8016	0.986211	83.4472
0.73	0.984127	82.8994	0.984106	82.8632	0.98495	82.8736	0.981692	82.7664	0.989559	43.48	0.972309	81.7376	0.991213	83.5712	0.978642	82.3696	0.987468	83.1728
0.74	0.98742	82.8066	0.985833	82.6628	0.983829	82.536	0.989277	83.0176	0.987387	43.1232	0.98631	82.7664	0.992691	83.2608	0.979928	82.2704	0.980363	82.146
0.75	0.988208	82.6442	0.986625	82.492	0.990535	82.8296	0.993852	83.1376	0.991959	43.0528	0.987249	82.44	0.990577	82.9216	0.99056	82.7808	0.98465	82.344
0.76	0.991573	82.6828	0.990398	82.5312	0.989938	82.5216	0.991529	82.592	0.987239	42.6784	0.994612	82.824	0.994691	82.848	0.994854	82.9344	0.985177	82.0112
0.77	0.993246	82.5634	0.989248	82.2696	0.993202	82.6096	0.995464	82.9248	0.988231	42.5344	0.995659	82.7696	0.992445	82.5456	0.99555	82.6688	0.986385	81.9556
0.78	0.993784	82.479	0.994799	82.5404	0.994784	82.5472	0.996294	82.6432	0.99553	42.6272	0.996423	82.72	0.996405	82.624	0.996292	82.6064	0.990011	82.1332
0.79	0.994207	82.3458	0.99421	82.3048	0.993769	82.3008	0.9938	82.344	0.996336	42.5632	0.993814	82.3568	0.993817	82.2624	0.996996	82.592	0.996553	82.5172
0.8	0.994961	82.3	0.995149	82.3208	0.995968	82.3152	0.994425	82.1936	0.993726	42.3008	0.997531	82.448	0.997546	82.4384	0.997522	82.4768	0.997541	82.506
0.81	0.997231	82.3476	0.995634	82.2392	0.996414	82.2832	0.997975	82.3808	0.994322	42.3712	0.997986	82.4032	0.99478	82.1408	0.994832	82.1408	0.997986	82.452
0.82	0.997796	82.3006	0.997219	82.2484	0.996802	82.2336	0.998391	82.3392	0.994757	42.1632	0.998367	82.3552	0.998364	82.3808	0.998389	82.4144	0.995217	82.078
0.83	0.997548	82.2072	0.998733	82.3064	0.995536	82.044	0.998732	82.3424	0.995062	42.16	0.998676	82.3888	0.998694	82.3232	0.99874	82.3648	0.995894	82.0272
0.84	0.997996	82.1606	0.9974	82.1284	0.998205	82.2176	0.998964	82.2624	0.998695	42.224	0.999021	82.2752	0.99899	82.3104	0.99898	82.2368	0.999062	82.2336
0.85	0.998431	82.1376	0.999221	82.2212	0.999202	82.2072	0.999219	82.2272	0.998901	42.2192	0.999219	82.2048	0.999198	82.2176	0.99926	82.2368	0.999266	82.1336
0.86	0.999402	82.1878	0.999011	82.1584	0.998599	82.1032	0.999428	82.1952	0.999226	42.1744	0.999425	82.1792	0.99941	82.1632	0.99943	82.096	0.999402	82.1816
0.87	0.999351	82.1158	0.999147	82.094	0.999562	82.1096	0.999548	82.208	0.999422	42.1728	0.999544	82.1344	0.999574	82.1184	0.999535	82.1344	0.999536	82.164
0.88	0.999272	82.0778	0.99847	82.02	0.999671	82.0952	0.999653	82.128	0.999512	42.1152	0.999654	82.0864	0.999668	82.1024	0.999662	82.096	0.999669	82.1184
0.89	0.999561	82.0768	0.99976	82.0956	0.999762	82.0976	0.999765	82.0832	0.999608	42.1088	0.999745	82.1056	0.999775	82.144	0.999575	81.8176	0.999755	82.098
0.9	0.999833	82.0616	0.999829	82.0848	0.999841	82.0768	0.999836	82.1056	0.999746	42.0672	0.99983	82.0704	0.999835	82.0768	0.999837	82.1024	0.999836	82.0792
0.91	0.999685	82.0338	0.999888	82.0516	0.999881	82.0512	0.999872	82.0576	0.999838	42.0608	0.999865	82.048	0.999882	82.096	0.999891	82.064	0.999879	82.054
0.92	0.999926	82.0446	0.999929	82.0452	0.999926	82.0576	0.999924	82.0416	0.999906	42.0032	0.999928	82.0416	0.999913	82.032	0.999923	82.0448	0.999925	82.0552
0.93	0.999953	82.0266	0.999951	82.0332	0.999954	82.0304	0.999956	82.0448	0.999926	42.0384	0.999948	82.0224	0.999961	82.016	0.99995	82.0416	0.99996	82.0388
0.94	0.999972	82.0192	0.999972	82.0156	0.999973	82.0248	0.999976	82.0128	0.999974	42.0032	0.999975	82.0096	0.999968	82.0048	0.99997	82.0096	0.999968	82.0192
0.95	0.999986	82.0128	0.999983	82.0108	0.999986	82.0176	0.999987	82.016	0.999986	42.0128	0.999986	82.0064	0.999989	82.0096	0.999984	81.9968	0.999985	82.0176
0.96	0.999992	82.0066	0.999993	82.0052	0.999995	82.0128	0.999993	82.016	0.999988	42.0096	0.999996	82.0096	0.999995	82.0128	0.999995	82.0096	0.999995	82.0068
0.97	0.999997	82.006	0.999997	82.0048	0.999997	82.0072	0.999998	82.016	0.999998	42.0096	0.999997	82.016	0.999997	82.0032	0.999996	82	0.999997	82.016
0.98	0.999999	82.0028	0.999999	82.004	0.999998	81.9984	0.999998	82	0.999998	42.0032	0.999997	81.9968	0.999999	82	0.999999	82.016	0.999999	82.0032
0.99	1	82.0006	1	82.0004	1	82.0016	1	82	1	42	1	82.0032	0.999999	82	0.999999	82	1	81.9972
1	1	82	1	82	1	82	1	82	1	42	1	82	1	82	1	82	1	82