

## Erlang B Traffic Table

Maximum Offered Load Versus B and N

B is in %

N/B	0.01	0.05	0.1	0.5	1.0	2	5	10	15	20	30	40
1	.0001	.0005	.0010	.0050	.0101	.0204	.0526	.1111	.1765	.2500	.4286	.6667
2	.0142	.0321	.0458	.1054	.1526	.2235	.3813	.5954	.7962	1.000	1.449	2.000
3	.0868	.1517	.1938	.3490	.4555	.6022	.8994	1.271	1.603	1.930	2.633	3.480
4	.2347	.3624	.4393	.7012	.8694	1.092	1.525	2.045	2.501	2.945	3.891	5.021
5	.4520	.6486	.7621	1.132	1.361	1.657	2.219	2.881	3.454	4.010	5.189	6.596
6	.7282	.9957	1.146	1.622	1.909	2.276	2.960	3.758	4.445	5.109	6.514	8.191
7	1.054	1.392	1.579	2.158	2.501	2.935	3.738	4.666	5.461	6.230	7.856	9.800
8	1.422	1.830	2.051	2.730	3.128	3.627	4.543	5.597	6.498	7.369	9.213	11.42
9	1.826	2.302	2.558	3.333	3.783	4.345	5.370	6.546	7.551	8.522	10.58	13.05
10	2.260	2.803	3.092	3.961	4.461	5.084	6.216	7.511	8.616	9.685	11.95	14.68
11	2.722	3.329	3.651	4.610	5.160	5.842	7.076	8.487	9.691	10.86	13.33	16.31
12	3.207	3.878	4.231	5.279	5.876	6.615	7.950	9.474	10.78	12.04	14.72	17.95
13	3.713	4.447	4.831	5.964	6.607	7.402	8.835	10.47	11.87	13.22	16.11	19.60
14	4.239	5.032	5.446	6.663	7.352	8.200	9.730	11.47	12.97	14.41	17.50	21.24
15	4.781	5.634	6.077	7.376	8.108	9.010	10.63	12.48	14.07	15.61	18.90	22.89
16	5.339	6.250	6.722	8.100	8.875	9.828	11.54	13.50	15.18	16.81	20.30	24.54
17	5.911	6.878	7.378	8.834	9.652	10.66	12.46	14.52	16.29	18.01	21.70	26.19
18	6.496	7.519	8.046	9.578	10.44	11.49	13.39	15.55	17.41	19.22	23.10	27.84
19	7.093	8.170	8.724	10.33	11.23	12.33	14.32	16.58	18.53	20.42	24.51	29.50
20	7.701	8.831	9.412	11.09	12.03	13.18	15.25	17.61	19.65	21.64	25.92	31.15
21	8.319	9.501	10.11	11.86	12.84	14.04	16.19	18.65	20.77	22.85	27.33	32.81
22	8.946	10.18	10.81	12.64	13.65	14.90	17.13	19.69	21.90	24.06	28.74	34.46
23	9.583	10.87	11.52	13.42	14.47	15.76	18.08	20.74	23.03	25.28	30.15	36.12
24	10.23	11.56	12.24	14.20	15.30	16.63	19.03	21.78	24.16	26.50	31.56	37.78
25	10.88	12.26	12.97	15.00	16.13	17.51	19.99	22.83	25.30	27.72	32.97	39.44
26	11.54	12.97	13.70	15.80	16.96	18.38	20.94	23.89	26.43	28.94	34.39	41.10
27	12.21	13.69	14.44	16.60	17.80	19.27	21.90	24.94	27.57	30.16	35.80	42.76
28	12.88	14.41	15.18	17.41	18.64	20.15	22.87	26.00	28.71	31.39	37.21	44.41
29	13.56	15.13	15.93	18.22	19.49	21.04	23.83	27.05	29.85	32.61	38.63	46.07
30	14.25	15.86	16.68	19.03	20.34	21.93	24.80	28.11	31.00	33.84	40.05	47.74
31	14.94	16.60	17.44	19.85	21.19	22.83	25.77	29.17	32.14	35.07	41.46	49.40
32	15.63	17.34	18.21	20.68	22.05	23.73	26.75	30.24	33.28	36.30	42.88	51.06
33	16.34	18.09	18.97	21.51	22.91	24.63	27.72	31.30	34.43	37.52	44.30	52.72
34	17.04	18.84	19.74	22.34	23.77	25.53	28.70	32.37	35.58	38.75	45.72	54.38
35	17.75	19.59	20.52	23.17	24.64	26.44	29.68	33.43	36.72	39.99	47.14	56.04
36	18.47	20.35	21.30	24.01	25.51	27.34	30.66	34.50	37.87	41.22	48.56	57.70
37	19.19	21.11	22.08	24.85	26.38	28.25	31.64	35.57	39.02	42.45	49.98	59.37
38	19.91	21.87	22.86	25.69	27.25	29.17	32.62	36.64	40.17	43.68	51.40	61.03
39	20.64	22.64	23.65	26.53	28.13	30.08	33.61	37.72	41.32	44.91	52.82	62.69
40	21.37	23.41	24.44	27.38	29.01	31.00	34.60	38.79	42.48	46.15	54.24	64.35
41	22.11	24.19	25.24	28.23	29.89	31.92	35.58	39.86	43.63	47.38	55.66	66.02
42	22.85	24.97	26.04	29.09	30.77	32.84	36.57	40.94	44.78	48.62	57.08	67.68
43	23.59	25.75	26.84	29.94	31.66	33.76	37.57	42.01	45.94	49.85	58.50	69.34

44	24.33	26.53	27.64	30.80	32.54	34.68	38.56	43.09	47.09	51.09	59.92	71.01
45	25.08	27.32	28.45	31.66	33.43	35.61	39.55	44.17	48.25	52.32	61.35	72.67
46	25.83	28.11	29.26	32.52	34.32	36.53	40.55	45.24	49.40	53.56	62.77	74.33
47	26.59	28.90	30.07	33.38	35.22	37.46	41.54	46.32	50.56	54.80	64.19	76.00
48	27.34	29.70	30.88	34.25	36.11	38.39	42.54	47.40	51.71	56.03	65.61	77.66
49	28.10	30.49	31.69	35.11	37.00	39.32	43.53	48.48	52.87	57.27	67.04	79.32
50	28.87	31.29	32.51	35.98	37.90	40.26	44.53	49.56	54.03	58.51	68.46	80.99
51	29.63	32.09	33.33	36.85	38.80	41.19	45.53	50.64	55.19	59.75	69.88	82.65
52	30.40	32.90	34.15	37.72	39.70	42.12	46.53	51.73	56.35	60.99	71.31	84.32
53	31.17	33.70	34.98	38.60	40.60	43.06	47.53	52.81	57.50	62.22	72.73	85.98
54	31.94	34.51	35.80	39.47	41.51	44.00	48.54	53.89	58.66	63.46	74.15	87.65
55	32.72	35.32	36.63	40.35	42.41	44.94	49.54	54.98	59.82	64.70	75.58	89.31
56	33.49	36.13	37.46	41.23	43.32	45.88	50.54	56.06	60.98	65.94	77.00	90.97
57	34.27	36.95	38.29	42.11	44.22	46.82	51.55	57.14	62.14	67.18	78.43	92.64
58	35.05	37.76	39.12	42.99	45.13	47.76	52.55	58.23	63.31	68.42	79.85	94.30
59	35.84	38.58	39.96	43.87	46.04	48.70	53.56	59.32	64.47	69.66	81.27	95.97
60	36.62	39.40	40.80	44.76	46.95	49.64	54.57	60.40	65.63	70.90	82.70	97.63
61	37.41	40.22	41.63	45.64	47.86	50.59	55.57	61.49	66.79	72.14	84.12	99.30
62	38.20	41.05	42.47	46.53	48.77	51.53	56.58	62.58	67.95	73.38	85.55	101.0
63	38.99	41.87	43.31	47.42	49.69	52.48	57.59	63.66	69.11	74.63	86.97	102.6
64	39.78	42.70	44.16	48.31	50.60	53.43	58.60	64.75	70.28	75.87	88.40	104.3
65	40.58	43.52	45.00	49.20	51.52	54.38	59.61	65.84	71.44	77.11	89.82	106.0
66	41.38	44.35	45.85	50.09	52.44	55.33	60.62	66.93	72.60	78.35	91.25	107.6
67	42.17	45.18	46.69	50.98	53.35	56.28	61.63	68.02	73.77	79.59	92.67	109.3
68	42.97	46.02	47.54	51.87	54.27	57.23	62.64	69.11	74.93	80.83	94.10	111.0
69	43.77	46.85	48.39	52.77	55.19	58.18	63.65	70.20	76.09	82.08	95.52	112.6
70	44.58	47.68	49.24	53.66	56.11	59.13	64.67	71.29	77.26	83.32	96.95	114.3
71	45.38	48.52	50.09	54.56	57.03	60.08	65.68	72.38	78.42	84.56	98.37	116.0
72	46.19	49.36	50.94	55.46	57.96	61.04	66.69	73.47	79.59	85.80	99.80	117.6
73	47.00	50.20	51.80	56.35	58.88	61.99	67.71	74.56	80.75	87.05	101.2	119.3
74	47.81	51.04	52.65	57.25	59.80	62.95	68.72	75.65	81.92	88.29	102.7	120.9
75	48.62	51.88	53.51	58.15	60.73	63.90	69.74	76.74	83.08	89.53	104.1	122.6
76	49.43	52.72	54.37	59.05	61.65	64.86	70.75	77.83	84.25	90.78	105.5	124.3
77	50.24	53.56	55.23	59.96	62.58	65.81	71.77	78.93	85.41	92.02	106.9	125.9
78	51.05	54.41	56.09	60.86	63.51	66.77	72.79	80.02	86.58	93.26	108.4	127.6
79	51.87	55.25	56.95	61.76	64.43	67.73	73.80	81.11	87.74	94.51	109.8	129.3
80	52.69	56.10	57.81	62.67	65.36	68.69	74.82	82.20	88.91	95.75	111.2	130.9
81	53.51	56.95	58.67	63.57	66.29	69.65	75.84	83.30	90.08	96.99	112.6	132.6
82	54.33	57.80	59.54	64.48	67.22	70.61	76.86	84.39	91.24	98.24	114.1	134.3
83	55.15	58.65	60.40	65.39	68.15	71.57	77.87	85.48	92.41	99.48	115.5	135.9
84	55.97	59.50	61.27	66.29	69.08	72.53	78.89	86.58	93.58	100.7	116.9	137.6
85	56.79	60.35	62.14	67.20	70.02	73.49	79.91	87.67	94.74	102.0	118.3	139.3
86	57.62	61.21	63.00	68.11	70.95	74.45	80.93	88.77	95.91	103.2	119.8	140.9
87	58.44	62.06	63.87	69.02	71.88	75.42	81.95	89.86	97.08	104.5	121.2	142.6
88	59.27	62.92	64.74	69.93	72.82	76.38	82.97	90.96	98.25	105.7	122.6	144.3
89	60.10	63.77	65.61	70.84	73.75	77.34	83.99	92.05	99.41	107.0	124.0	145.9
90	60.92	64.63	66.48	71.76	74.68	78.31	85.01	93.15	100.6	108.2	125.5	147.6

91	61.75	65.49	67.36	72.67	75.62	79.27	86.04	94.24	101.8	109.4	126.9	149.3
92	62.58	66.35	68.23	73.58	76.56	80.24	87.06	95.34	102.9	110.7	128.3	150.9
93	63.42	67.21	69.10	74.50	77.49	81.20	88.08	96.43	104.1	111.9	129.8	152.6
94	64.25	68.07	69.98	75.41	78.43	82.17	89.10	97.53	105.3	113.2	131.2	154.3
95	65.08	68.93	70.85	76.33	79.37	83.13	90.12	98.63	106.4	114.4	132.6	155.9
96	65.92	69.79	71.73	77.24	80.31	84.10	91.15	99.72	107.6	115.7	134.0	157.6
97	66.75	70.65	72.61	78.16	81.25	85.07	92.17	100.8	108.8	116.9	135.5	159.3
98	67.59	71.52	73.48	79.07	82.18	86.04	93.19	101.9	109.9	118.2	136.9	160.9
99	68.43	72.38	74.36	79.99	83.12	87.00	94.22	103.0	111.1	119.4	138.3	162.6
100	69.27	7~.25	75.24	80.91	84.06	87.97	95.24	104.1	112.3	120.6	139.7	164.3

N is the number of servers. The numerical column headings indicate blocking probability B in %. Table generated by Dan Dexter

## Erlang C Traffic Table

Maximum Offered Load Versus B and N

N/B	B is in %											
	0.01	0.05	0.1	0.5	1.0	2	5	10	15	20	30	40
1	.0001	.0005	.0010	.0050	.0100	.0200	.0500	.1000	.1500	.2000	.3000	.4000
2	.0142	.0319	.0452	.1025	.1465	.2103	.3422	.5000	.6278	.7403	.9390	1.117
3	.0860	.1490	.1894	.3339	.4291	.5545	.7876	1.040	1.231	1.393	1.667	1.903
4	.2310	.3533	.4257	.6641	.8100	.9939	1.319	1.653	1.899	2.102	2.440	2.725
5	.4428	.6289	.7342	1.065	1.259	1.497	1.905	2.313	2.607	2.847	3.241	3.569
6	.7110	.9616	1.099	1.519	1.758	2.047	2.532	3.007	3.344	3.617	4.062	4.428
7	1.026	1.341	1.510	2.014	2.297	2.633	3.188	3.725	4.103	4.406	4.897	5.298
8	1.382	1.758	1.958	2.543	2.866	3.246	3.869	4.463	4.878	5.210	5.744	6.178
9	1.771	2.208	2.436	3.100	3.460	3.883	4.569	5.218	5.668	6.027	6.600	7.065
10	2.189	2.685	2.942	3.679	4.077	4.540	5.285	5.986	6.469	6.853	7.465	7.959
11	2.634	3.186	3.470	4.279	4.712	5.213	6.015	6.765	7.280	7.688	8.336	8.857
12	3.100	3.708	4.018	4.896	5.363	5.901	6.758	7.554	8.099	8.530	9.212	9.761
13	3.587	4.248	4.584	5.529	6.028	6.602	7.511	8.352	8.926	9.379	10.09	10.67
14	4.092	4.805	5.166	6.175	6.705	7.313	8.273	9.158	9.760	10.23	10.98	11.58
15	4.614	5.377	5.762	6.833	7.394	8.035	9.044	9.970	10.60	11.09	11.87	12.49
16	5.150	5.962	6.371	7.502	8.093	8.766	9.822	10.79	11.44	11.96	12.77	13.41
17	5.699	6.560	6.991	8.182	8.801	9.505	10.61	11.61	12.29	12.83	13.66	14.33
18	6.261	7.169	7.622	8.871	9.518	10.25	11.40	12.44	13.15	13.70	14.56	15.25
19	6.835	7.788	8.263	9.568	10.24	11.01	12.20	13.28	14.01	14.58	15.47	16.18
20	7.419	8.417	8.914	10.27	10.97	11.77	13.00	14.12	14.87	15.45	16.37	17.10
21	8.013	9.055	9.572	10.99	11.71	12.53	13.81	14.96	15.73	16.34	17.28	18.03
22	8.616	9.702	10.24	11.70	12.46	13.30	14.62	15.81	16.60	17.22	18.19	18.96
23	9.228	10.36	10.91	12.43	13.21	14.08	15.43	16.65	17.47	18.11	19.10	19.89
24	9.848	11.02	11.59	13.16	13.96	14.86	16.25	17.51	18.35	19.00	20.02	20.82
25	10.48	11.69	12.28	13.90	14.72	15.65	17.08	18.36	19.22	19.89	20.93	21.76
26	11.11	12.36	12.97	14.64	15.49	16.44	17.91	19.22	20.10	20.79	21.85	22.69
27	11.75	13.04	13.67	15.38	16.26	17.23	18.74	20.08	20.98	21.68	22.77	23.63
28	12.40	13.73	14.38	16.14	17.03	18.03	19.57	20.95	21.87	22.58	23.69	24.57
29	13.05	14.42	15.09	16.89	17.81	18.83	20.41	21.82	22.75	23.48	24.61	25.50
30	13.71	15.12	15.80	17.65	18.59	19.64	21.25	22.68	23.64	24.38	25.54	26.44
31	14.38	15.82	16.52	18.42	19.37	20.45	22.09	23.56	24.53	25.29	26.46	27.38
32	15.05	16.53	17.25	19.18	20.16	21.26	22.93	24.43	25.42	26.19	27.39	28.33
33	15.72	17.24	17.97	19.95	20.95	22.07	23.78	25.30	26.32	27.10	28.31	29.27
34	16.40	17.95	18.71	20.73	21.75	22.89	24.63	26.18	27.21	28.01	29.24	30.21
35	17.09	18.67	19.44	21.51	22.55	23.71	25.48	27.06	28.11	28.92	30.17	31.16
36	17.78	19.39	20.18	22.29	23.35	24.53	26.34	27.94	29.00	29.83	31.10	32.10
37	18.47	20.12	20.92	23.07	24.15	25.36	27.19	28.82	29.90	30.74	32.03	33.05
38	19.17	20.85	21.67	23.86	24.96	26.18	28.05	29.71	30.80	31.65	32.97	34.00
39	19.87	21.59	22.42	24.65	25.77	27.01	28.91	30.59	31.71	32.57	33.90	34.94
40	20.58	22.33	23.17	25.44	26.58	27.84	29.77	31.48	32.61	33.48	34.83	35.89
41	21.28	23.07	23.93	26.23	27.39	28.68	30.63	32.37	33.51	34.40	35.77	36.84
42	22.00	23.81	24.69	27.03	28.21	29.51	31.50	33.26	34.42	35.32	36.70	37.79
43	22.71	24.56	25.45	27.83	29.02	30.35	32.36	34.15	35.33	36.23	37.64	38.74

44	23.43	25.31	26.22	28.63	29.84	31.19	33.23	35.04	36.23	37.15	38.58	39.69
45	24.15	26.06	26.98	29.44	30.67	32.03	34.10	35.93	37.14	38.07	39.51	40.64
46	24.88	26.82	27.75	30.24	31.49	32.87	34.97	36.83	38.05	39.00	40.45	41.59
47	25.60	27.57	28.52	31.05	32.32	33.72	35.84	37.72	38.96	39.92	41.39	42.54
48	26.34	28.33	29.30	31.86	33.14	34.56	36.72	38.62	39.87	40.84	42.33	43.50
49	27.07	29.10	30.08	32.68	33.97	35.41	37.59	39.52	40.79	41.76	43.27	44.45
50	27.80	29.86	30.86	33.49	34.80	36.26	38.47	40.42	41.70	42.69	44.21	45.40
51	28.54	30.63	31.64	34.31	35.64	37.11	39.35	41.32	42.61	43.61	45.15	46.36
52	29.28	31.40	32.42	35.12	36.47	37.97	40.23	42.22	43.53	44.54	46.10	47.31
53	30.03	32.17	33.21	35.94	37.31	38.82	41.10	43.12	44.44	45.47	47.04	48.27
54	30.77	32.95	33.99	36.76	38.15	39.67	41.99	44.02	45.36	46.39	47.98	49.22
55	31.52	33.72	34.78	37.59	38.99	40.53	42.87	44.93	46.28	47.32	48.93	50.18
56	32.27	34.50	35.57	38.41	39.83	41.39	43.75	45.83	47.20	48.25	49.87	51.13
57	33.03	35.28	36.37	39.24	40.67	42.25	44.64	46.74	48.12	49.18	50.82	52.09
58	33.78	36.06	37.16	40.07	41.51	43.11	45.52	47.64	49.04	50.11	51.76	53.05
59	34.54	36.85	37.96	40.90	42.36	43.97	46.41	48.55	49.96	51.04	52.71	54.01
60	35.30	37.63	38.76	41.73	43.20	44.83	47.29	49.46	50.88	51.97	53.65	54.96
61	36.06	38.42	39.56	42.56	44.05	45.70	48.18	50.37	51.80	52.90	54.60	55.92
62	36.82	39.21	40.36	43.39	44.90	46.56	49.07	51.27	52.72	53.83	55.55	56.88
63	37.59	40.00	41.16	44.23	45.75	47.43	49.96	52.18	53.64	54.77	56.49	57.84
64	38.35	40.80	41.97	45.06	46.60	48.30	50.85	53.10	54.57	55.70	57.44	58.80
65	39.12	41.59	42.78	45.90	47.45	49.16	51.74	54.01	55.49	56.63	58.39	59.76
66	39.89	42.39	43.58	46.74	48.30	50.03	52.64	54.92	56.42	57.57	59.34	60.72
67	40.66	43.18	44.39	47.58	49.16	50.90	53.53	55.83	57.34	58.50	60.29	61.68
68	41.44	43.98	45.20	48.42	50.01	51.77	54.42	56.75	58.27	59.44	61.24	62.64
69	42.21	44.78	46.02	49.26	50.87	52.65	55.32	57.66	59.20	60.37	62.19	63.60
70	42.99	45.58	46.83	50.10	51.73	53.52	56.21	58.57	60.12	61.31	63.14	64.56
71	43.77	46.39	47.64	50.95	52.59	54.39	57.11	59.49	61.05	62.25	64.09	65.52
72	44.55	47.19	48.46	51.79	53.45	55.27	58.01	60.41	61.98	63.18	65.04	66.48
73	45.33	48.00	49.28	52.64	54.31	56.14	58.90	61.32	62.91	64.12	65.99	67.44
74	46.11	48.81	50.10	53.49	55.17	57.02	59.80	62.24	63.84	65.06	66.94	68.40
75	46.90	49.61	50.92	54.34	56.03	57.90	60.70	63.16	64.76	66.00	67.89	69.37
76	47.68	50.42	51.74	55.19	56.89	58.78	61.60	64.07	65.69	66.94	68.85	70.33
77	48.47	51.23	52.56	56.04	57.76	59.65	62.50	64.99	66.63	67.88	69.80	71.29
78	49.26	52.05	53.38	56.89	58.62	60.53	63.40	65.91	67.56	68.82	70.75	72.25
79	50.05	52.86	54.21	57.74	59.49	61.41	64.30	66.83	68.49	69.76	71.70	73.22
80	50.84	53.68	55.03	58.60	60.36	62.30	65.21	67.75	69.42	70.70	72.66	74.18
81	51.63	54.49	55.86	59.45	61.22	63.18	66.11	68.67	70.35	71.64	73.61	75.14
82	52.43	55.31	56.69	60.30	62.09	64.06	67.01	69.59	71.28	72.58	74.57	76.11
83	53.22	56.13	57.52	61.16	62.96	64.94	67.92	70.52	72.22	73.52	75.52	77.07
84	54.02	56.95	58.35	62.02	63.83	65.83	68.82	71.44	73.15	74.46	76.47	78.04
85	54.81	57.77	59.18	62.88	64.70	66.71	69.73	72.36	74.08	75.40	77.43	79.00
86	55.61	58.59	60.01	63.73	65.57	67.60	70.63	73.28	75.02	76.35	78.38	79.97
87	56.41	59.41	60.84	64.59	66.45	68.48	71.54	74.21	75.95	77.29	79.34	80.93
88	57.21	60.23	61.67	65.45	67.32	69.37	72.45	75.13	76.89	78.23	80.30	81.90
89	58.02	61.06	62.51	66.32	68.19	70.26	73.35	76.06	77.82	79.18	81.25	82.86
90	58.82	61.88	63.34	67.18	69.07	71.15	74.26	76.98	78.76	80.12	82.21	83.83

91	59.62	62.71	64.18	68.04	69.94	72.04	75.17	77.91	79.69	81.06	83.16	84.79
92	60.43	63.54	65.02	68.90	70.82	72.92	76.08	78.83	80.63	82.01	84.12	85.76
93	61.23	64.36	65.86	69.77	71.70	73.81	76.99	79.76	81.57	82.95	85.08	86.73
94	62.04	65.19	66.70	70.63	72.57	74.71	77.90	80.69	82.50	83.90	86.03	87.69
95	62.85	66.02	67.54	71.50	73.45	75.60	78.81	81.61	83.44	84.84	86.99	88.66
96	63.66	66.85	68.38	72.36	74.33	76.49	79.72	82.54	84.38	85.79	87.95	89.62
97	64.47	67.69	69.22	73.23	75.21	77.38	80.63	83.47	85.32	86.74	88.91	90.59
98	65.28	68.52	70.06	74.10	76.09	78.27	81.54	84.39	86.26	87.68	89.87	91.56
99	66.09	69.35	70.90	74.97	76.97	79.17	82.46	85.32	87.20	88.63	90.82	92.53
100	66.91	70.19	71.75	75.84	77.85	80.06	83.37	86.25	88.13	89.58	91.78	93.49

N is the number of servers. The numerical column headings indicate blocking probability B in %. Table generated by Dan Dexter

# Poisson Traffic Table

Maximum Offered Load Versus B and N

B is in %

N/B	0.01	0.05	0.1	0.5	1.0	2	5	10	15	20	30	40
1	.0001	.0005	.0010	.0050	.0101	.0202	.0513	.1054	.1625	.2231	.3567	.5108
2	.0142	.0320	.0454	.1035	.1486	.2147	.3554	.5318	.6832	.8244	1.097	1.376
3	.0862	.1497	.1905	.3379	.4360	.5672	.8177	1.102	1.331	1.535	1.914	2.285
4	.2318	.3552	.4286	.6722	.8232	1.016	1.366	1.745	2.039	2.297	2.764	3.211
5	1.078	1.279	1.530	1.970	2.433	2.785	3.090	3.634	4.148			
6	.7137	.9672	1.107	1.537	1.785	2.089	2.613	3.152	3.557	3.904	4.517	5.091
7	1.030	1.348	1.520	2.037	2.330	2.684	3.285	3.895	4.348	4.734	5.411	6.039
8	1.387	1.768	1.971	2.571	2.906	3.307	3.981	4.656	5.155	5.576	6.312	6.991
9	1.778	2.220	2.452	3.132	3.508	3.953	4.695	5.433	5.973	6.429	7.220	7.947
10	2.198	2.699	2.961	3.717	4.130	4.618	5.425	6.221	6.802	7.289	8.133	8.904
11	2.643	3.202	3.492	4.321	4.771	5.300	6.169	7.021	7.639	8.157	9.050	9.864
12	3.112	3.726	4.042	4.943	5.428	5.996	6.924	7.829	8.484	9.031	9.972	10.83
13	3.600	4.269	4.611	5.580	6.099	6.704	7.690	8.646	9.336	9.910	10.90	11.79
14	4.106	4.828	5.195	6.231	6.782	7.424	8.464	9.470	10.19	10.79	11.82	12.76
15	4.629	5.402	5.794	6.893	7.477	8.153	9.246	10.30	11.06	11.68	12.75	13.72
16	5.167	5.990	6.405	7.567	8.181	8.891	10.04	11.14	11.92	12.57	13.69	14.69
17	5.718	6.590	7.028	8.251	8.895	9.638	10.83	11.98	12.79	13.47	14.62	15.66
18	6.281	7.201	7.662	8.943	9.616	10.39	11.63	12.82	13.67	14.37	15.56	16.63
19	6.856	7.822	8.306	9.645	10.35	11.15	12.44	13.67	14.55	15.27	16.50	17.60
20	7.442	8.453	8.958	10.35	11.08	11.92	13.26	14.53	15.43	16.17	17.44	18.57
21	8.037	9.093	9.619	11.07	11.83	12.69	14.07	15.38	16.31	17.08	18.38	19.54
22	8.642	9.741	10.29	11.79	12.57	13.47	14.89	16.24	17.20	17.99	19.32	20.51
23	9.255	10.40	10.96	12.52	13.33	14.25	15.72	17.11	18.09	18.90	20.27	21.48
24	9.876	11.06	11.65	13.26	14.09	15.04	16.55	17.98	18.98	19.81	21.21	22.46
25	10.50	11.73	12.34	14.00	14.85	15.83	17.38	18.84	19.88	20.73	22.16	23.43
26	11.14	12.41	13.03	14.74	15.62	16.63	18.22	19.72	20.77	21.64	23.10	24.41
27	11.78	13.09	13.73	15.49	16.40	17.43	19.06	20.59	21.67	22.56	24.05	25.38
28	12.43	13.78	14.44	16.25	17.18	18.23	19.90	21.47	22.57	23.48	25.00	26.36
29	13.09	14.47	15.15	17.00	17.96	19.04	20.75	22.35	23.48	24.40	25.95	27.33
30	13.75	15.17	15.87	17.77	18.74	19.85	21.59	23.23	24.38	25.32	26.91	28.31
31	14.42	15.87	16.59	18.53	19.53	20.66	22.45	24.11	25.29	26.24	27.86	29.29
32	15.09	16.58	17.32	19.31	20.32	21.48	23.30	25.00	26.19	27.17	28.81	30.26
33	15.76	17.30	18.05	20.08	21.12	22.30	24.15	25.89	27.10	28.09	29.76	31.24
34	16.44	18.01	18.78	20.86	21.92	23.12	25.01	26.77	28.01	29.02	30.72	32.22
35	17.13	18.73	19.52	21.64	22.72	23.95	25.87	27.66	28.92	29.95	31.67	33.20
36	17.82	19.46	20.26	22.42	23.53	24.77	26.73	28.56	29.84	30.88	32.63	34.18
37	18.52	20.19	21.01	23.21	24.33	25.60	27.60	29.45	30.75	31.81	33.59	35.16
38	19.21	20.92	21.75	24.00	25.14	26.44	28.46	30.35	31.66	32.74	34.54	36.14
39	19.92	21.66	22.51	24.79	25.96	27.27	29.33	31.24	32.58	33.67	35.50	37.11
40	20.62	22.40	23.26	25.59	26.77	28.11	30.20	32.14	33.50	34.60	36.46	38.09
41	21.33	23.14	24.02	26.38	27.59	28.95	31.07	33.04	34.42	35.54	37.42	39.07
42	22.05	23.88	24.78	27.18	28.41	29.79	31.94	33.94	35.33	36.47	38.38	40.05
43	22.76	24.63	25.54	27.99	29.23	30.63	32.81	34.84	36.26	37.41	39.34	41.04

44	23.48	25.38	26.31	28.79	30.05	31.47	33.69	35.74	37.18	38.34	40.30	42.02
45	24.20	26.14	27.08	29.60	30.88	32.32	34.56	36.65	38.10	39.28	41.26	43.00
46	24.93	26.90	27.85	30.41	31.71	33.17	35.44	37.55	39.02	40.22	42.22	43.98
47	25.66	27.65	28.62	31.22	32.53	34.01	36.32	38.46	39.94	41.16	43.18	44.96
48	26.39	28.42	29.40	32.03	33.37	34.87	37.20	39.36	40.87	42.09	44.14	45.94
49	27.13	29.18	30.18	32.85	34.20	35.72	38.08	40.27	41.79	43.03	45.10	46.92
50	27.86	29.95	30.96	33.66	35.03	36.57	38.97	41.18	42.72	43.97	46.06	47.90
51	28.60	30.72	31.74	34.48	35.87	37.43	39.85	42.09	43.65	44.91	47.03	48.89
52	29.34	31.49	32.53	35.30	36.71	38.28	40.73	43.00	44.58	45.85	47.99	49.87
53	30.09	32.26	33.31	36.13	37.55	39.14	41.62	43.91	45.50	46.80	48.95	50.85
54	30.84	33.04	34.10	36.95	38.39	40.00	42.51	44.82	46.43	47.74	49.92	51.83
55	31.59	33.82	34.90	37.78	39.23	40.86	43.40	45.74	47.36	48.68	50.88	52.82
56	32.34	34.60	35.69	38.60	40.07	41.72	44.29	46.65	48.29	49.63	51.85	53.80
57	33.09	35.38	36.48	39.43	40.92	42.59	45.18	47.56	49.22	50.57	52.81	54.78
58	33.85	36.16	37.28	40.26	41.77	43.45	46.07	48.48	50.15	51.51	53.78	55.77
59	34.60	36.95	38.08	41.09	42.61	44.32	46.96	49.40	51.09	52.46	54.74	56.75
60	35.36	37.73	38.88	41.93	43.46	45.18	47.85	50.31	52.02	53.40	55.71	57.73
61	36.13	38.52	39.68	42.76	44.31	46.05	48.75	51.23	52.95	54.35	56.68	58.72
62	36.89	39.31	40.48	43.60	45.16	46.92	49.64	52.15	53.89	55.30	57.64	59.70
63	37.66	40.11	41.29	44.43	46.02	47.79	50.54	53.07	54.82	56.24	58.61	60.68
64	38.42	40.90	42.09	45.27	46.87	48.66	51.43	53.99	55.76	57.19	59.58	61.67
65	39.19	41.70	42.90	46.11	47.73	49.53	52.33	54.91	56.69	58.14	60.54	62.65
66	39.96	42.49	43.71	46.95	48.58	50.41	53.23	55.83	57.63	59.08	61.51	63.64
67	40.74	43.29	44.52	47.79	49.44	51.28	54.13	56.75	58.56	60.03	62.48	64.62
68	41.51	44.09	45.33	48.64	50.30	52.16	55.03	57.67	59.50	60.98	63.45	65.61
69	42.29	44.89	46.15	49.48	51.16	53.03	55.93	58.59	60.44	61.93	64.41	66.59
70	43.07	45.70	46.96	50.33	52.02	53.91	56.83	59.52	61.37	62.88	65.38	67.58
71	43.84	46.50	47.78	51.17	52.88	54.79	57.73	60.44	62.31	63.83	66.35	68.56
72	44.63	47.31	48.60	52.02	53.74	55.66	58.63	61.36	63.25	64.78	67.32	69.54
73	45.41	48.11	49.42	52.87	54.60	56.54	59.54	62.29	64.19	65.73	68.29	70.53
74	46.19	48.92	50.24	53.72	55.47	57.42	60.44	63.21	65.13	66.68	69.26	71.52
75	46.98	49.73	51.06	54.57	56.33	58.30	61.35	64.14	66.07	67.63	70.23	72.50
76	47.76	50.54	51.88	55.42	57.20	59.19	62.25	65.06	67.01	68.58	71.20	73.49
77	48.55	51.36	52.70	56.28	58.07	60.07	63.16	65.99	67.95	69.54	72.17	74.47
78	49.34	52.17	53.53	57.13	58.94	60.95	64.06	66.92	68.89	70.49	73.14	75.46
79	50.13	52.98	54.35	57.98	59.80	61.84	64.97	67.85	69.83	71.44	74.11	76.44
80	50.92	53.80	55.18	58.84	60.67	62.72	65.88	68.77	70.77	72.39	75.08	77.43
81	51.72	54.62	56.01	59.70	61.54	63.61	66.79	69.70	71.72	73.35	76.05	78.41
82	52.51	55.43	56.84	60.55	62.41	64.49	67.70	70.63	72.66	74.30	77.02	79.40
83	53.31	56.25	57.67	61.41	63.29	65.38	68.60	71.56	73.60	75.25	77.99	80.39
84	54.10	57.07	58.50	62.27	64.16	66.27	69.51	72.49	74.54	76.21	78.96	81.37
85	54.90	57.89	59.33	63.13	65.03	67.15	70.43	73.42	75.49	77.16	79.93	82.36
86	55.70	58.72	60.16	63.99	65.91	68.04	71.34	74.35	76.43	78.11	80.91	83.34
87	56.50	59.54	61.00	64.85	66.78	68.93	72.25	75.28	77.38	79.07	81.88	84.33
88	57.31	60.37	61.83	65.72	67.66	69.82	73.16	76.21	78.32	80.02	82.85	85.32
89	58.11	61.19	62.67	66.58	68.53	70.71	74.07	77.14	79.27	80.98	83.82	86.30
90	58.91	62.02	63.51	67.44	69.41	71.61	74.98	78.08	80.21	81.93	84.79	87.29



91	59.72	62.84	64.34	68.31	70.29	72.50	75.90	79.01	81.16	82.89	85.77	88.28
92	60.52	63.67	65.18	69.17	71.17	73.39	76.81	79.94	82.10	83.85	86.74	89.26
93	61.33	64.50	66.02	70.04	72.05	74.28	77.73	80.88	83.05	84.80	87.71	90.25
94	62.14	65.33	66.86	70.91	72.93	75.18	78.64	81.81	83.99	85.76	88.68	91.24
95	62.95	66.16	67.70	71.77	73.81	76.07	79.56	82.74	84.94	86.72	89.66	92.22
96	63.76	66.99	68.55	72.64	74.69	76.97	80.47	83.68	85.89	87.67	90.63	93.21
97	64.57	67.83	69.39	73.51	75.57	77.86	81.39	84.61	86.83	88.63	91.60	94.20
98	65.38	68.66	70.23	74.38	76.45	78.76	82.31	85.55	87.78	89.59	92.58	95.19
99	66.19	69.50	71.08	75.25	77.33	79.65	83.22	86.48	88.73	90.54	93.55	96.17
100	67.01	70.33	71.92	76.12	78.22	80.55	84.14	87.42	89.68	91.50	94.52	97.16

N is the number of servers. The numerical column headings indicate blocking probability B in %. Table generated by Dan Dexter