

Blocking Probability in % for an M/M/1/K System

Load =	0.2	0.3	0.40	0.5	0.6	0.7	0.8
K	Probability of Blocking (%)	Probability of Blocking (%)	Probability of Blocking (%)	Probability of Blocking (%)	Probability of Blocking (%)	Probability of Blocking (%)	Probability of Blocking (%)
1	16.6667	23.0769	28.5714	33.3333	37.5000	41.1765	44.4444
2	3.2258	6.4748	10.2564	14.2857	18.3673	22.3744	26.2295
3	0.6410	1.9054	3.9409	6.6667	9.9265	13.5413	17.3442
4	0.1280	0.5684	1.5519	3.2258	5.6211	8.6582	12.1847
5	0.0256	0.1702	0.6169	1.5873	3.2626	5.7144	8.8819
6	0.0051	0.0510	0.2462	0.7874	1.9200	3.8462	6.6342
7	0.0010	0.0153	0.0984	0.3922	1.1389	2.6218	5.0399
8	0.0002	0.0046	0.0393	0.1957	0.6787	1.8022	3.8756
9	0.0000	0.0014	0.0157	0.0978	0.4056	1.2458	3.0073
10	0.0000	0.0004	0.0063	0.0489	0.2427	0.8645	2.3493
11	0.0000	0.0001	0.0025	0.0244	0.1454	0.6015	1.8448
12	0.0000	0.0000	0.0010	0.0122	0.0872	0.4193	1.4543
13	0.0000	0.0000	0.0004	0.0061	0.0523	0.2927	1.1501
14	0.0000	0.0000	0.0002	0.0031	0.0314	0.2044	0.9117
15	0.0000	0.0000	0.0001	0.0015	0.0188	0.1429	0.7241
16	0.0000	0.0000	0.0000	0.0008	0.0113	0.0999	0.5759
17	0.0000	0.0000	0.0000	0.0004	0.0068	0.0699	0.4586
18	0.0000	0.0000	0.0000	0.0002	0.0041	0.0489	0.3656
19	0.0000	0.0000	0.0000	0.0001	0.0024	0.0342	0.2916