

V entspricht den Verteilungsfaktoren von benachbarten Primzahlen nach der Poisson-Verteilung (Summe) berechnet.  
 V corresponds to the distribution factors of neighboring prime numbers calculated according to the Poisson distribution (sum).

Bedingung ; Condition:  $1 = \{[\ln(Q)*V]^{(n-1)}/(n-1)! + [\ln(Q)*V]^{(n-2)}/(n-2)! + [\ln(Q)*V]^{(n-3)}/(n-3)! + \dots\} * Q / \exp[\ln(Q)/V]$

Q entspricht der grössten Primzahl der Lücken ; corresponds to the largest prime number in the gaps

n entspricht der Anzahl Lücken bzw. Anzahl Primzahlen minus eins ; corresponds to the number of gaps or number of primes minus one

K =  $\{1 - \ln[\ln(Q)] / \ln(Q)\} / 3^2$  Korrekturfaktor für kleinere Primzahlen, da die Poisson-Verteilung nur eine Näherung ist.

K =  $\{1 - \ln[\ln(Q)] / \ln(Q)\} / 3^2$  Correction factor for smaller prime numbers, since the Poisson distribution is only an approximation.

relativ = Lückensumme/V/K/[ln(Q)]^2 ; relative = (gaps sum)/V/K/[ln(Q)]^2

Die relativen Werte sollten so definiert sein, dass auch bei riesigen Primzahlen maximal nur Werte knapp über 1 zu erwarten sind.

The relative values should be defined in such a way that even with huge prime numbers, only values just above 1 can be expected.

Grösse Large	Anzahl Lücken Number of gaps	Q ; n = 1	2	3	4	5	6	8	10	12	16	32	64	100	128	256	1024	65536
1E+02	V = 1	1.4415	1.8253	2.1813	2.5199	2.8465	3.4743	4.0787	4.6665	5.8071	-	-	-	-	-	-	-	-
1E+03	V = 1	1.3367	1.6255	1.8910	2.1417	2.3821	2.8412	3.2800	3.7044	4.5230	7.5796	13.259	19.365	24.006	-	-	-	-
1E+04	V = 1	1.2764	1.5122	1.7278	1.9307	2.1245	2.4931	2.8439	3.1819	3.8311	6.2340	10.652	15.366	18.936	34.724	124.57	124.57	-
1E+05	V = 1	1.2366	1.4378	1.6213	1.7935	1.9576	2.2690	2.5643	2.8481	3.3916	5.3897	9.0329	12.898	15.816	28.667	101.30	101.30	-
1E+06	V = 1	1.2079	1.3846	1.5454	1.6960	1.8394	2.1108	2.3677	2.6140	3.0846	4.8057	7.9225	11.213	13.691	24.565	85.655	4832.3	4832.3
1E+07	V = 1	1.1862	1.3444	1.4882	1.6227	1.7506	1.9924	2.2208	2.4395	2.8566	4.3752	7.1095	9.9846	12.144	21.593	74.397	4149.1	4149.1
1E+08	V = 1	1.1691	1.3127	1.4432	1.5652	1.6811	1.8999	2.1063	2.3037	2.6795	4.0431	6.4863	9.0458	10.964	19.336	65.897	3636.3	3636.3
1E+09	V = 1	1.1552	1.2871	1.4068	1.5187	1.6250	1.8253	2.0141	2.1946	2.5376	3.7783	5.9918	8.3033	10.032	17.560	59.244	3237.1	3237.1
1E+10	V = 1	1.1437	1.2658	1.3767	1.4802	1.5785	1.7638	1.9382	2.1047	2.4209	3.5616	5.5891	7.7001	9.2766	16.125	53.891	2917.5	2917.5
1E+11	V = 1	1.1339	1.2478	1.3512	1.4478	1.5394	1.7120	1.8743	2.0292	2.3230	3.3806	5.2540	7.1995	8.6501	14.938	49.488	2655.8	2655.8
1E+12	V = 1	1.1255	1.2324	1.3294	1.4200	1.5059	1.6676	1.8197	1.9647	2.2396	3.2268	4.9705	6.7767	8.1217	13.941	45.801	2437.6	2437.6
1E+13	V = 1	1.1183	1.2190	1.3105	1.3959	1.4769	1.6292	1.7724	1.9089	2.1674	3.0944	4.7270	6.4146	7.6695	13.089	42.665	2252.8	2252.8
1E+14	V = 1	1.1119	1.2073	1.2939	1.3747	1.4514	1.5956	1.7311	1.8601	2.1044	2.9790	4.5155	6.1005	7.2777	12.353	39.965	2094.3	2094.3
1E+15	V = 1	1.1062	1.1968	1.2792	1.3560	1.4288	1.5659	1.6945	1.8170	2.0488	2.8774	4.3299	5.8253	6.9347	11.711	37.615	1956.9	1956.9
1E+16	V = 1	1.1012	1.1875	1.2660	1.3393	1.4087	1.5393	1.6619	1.7786	1.9993	2.7872	4.1654	5.5819	6.6316	11.144	35.550	1836.6	1836.6
1E+18	V = 1	1.0925	1.1716	1.2435	1.3107	1.3743	1.4940	1.6062	1.7130	1.9149	2.6338	3.8867	5.1703	6.1198	10.190	32.089	1635.9	1635.9
1E+20	V = 1	1.08537	1.1585	1.2250	1.2870	1.3459	1.4565	1.5603	1.6590	1.8453	2.5079	3.6590	4.8349	5.7032	9.4160	29.299	1475.2	1475.2
1E+24	V = 1	1.07420	1.1379	1.1959	1.2501	1.3015	1.3981	1.4886	1.5747	1.7371	2.3128	3.3079	4.3195	5.0643	8.2352	25.072	1233.8	1233.8
1E+30	V = 1	1.06238	1.1161	1.1652	1.2110	1.2545	1.3363	1.4129	1.4857	1.6230	2.1083	2.9423	3.7854	4.4039	7.0231	20.781	991.85	991.85
1E+40	V = 1	1.04975	1.09283	1.1322	1.1691	1.2041	1.2701	1.3318	1.3905	1.5011	1.8910	2.5568	3.2255	3.7138	5.7675	16.400	749.19	749.19
1E+60	V = 1	1.03598	1.06737	1.09619	1.1232	1.1490	1.1974	1.2429	1.2862	1.3677	1.6547	2.1414	2.6263	2.9784	4.4452	11.881	505.40	505.40
1E+100	V = 1	1.02374	1.04465	1.06395	1.08213	1.09946	1.1322	1.1631	1.1924	1.2478	1.4429	1.7726	2.0986	2.3338	3.3036	8.0900	308.93	308.93
1E+300	V = 1	1.009480	1.01798	1.02592	1.03346	1.04069	1.05446	1.06752	1.08002	1.10375	1.1881	1.3315	1.4727	1.5740	1.9851	3.9149	109.27	109.27
1E+1000	1	1.003364	1.006429	1.009321	1.01209	1.01476	1.01989	1.02480	1.02952	1.03857	1.07125	1.12782	1.1842	1.2247	1.3893	2.1412	36.677	36.677
1E+10000	1	1.0004362	1.0008424	1.001231	1.001607	1.001974	1.002684	1.003371	1.004040	1.005335	1.01015	1.01880	1.02771	1.03424	1.06144	1.1903	5.9399	5.9399
10^(10^5)	1	1.0000536	1.0001042	1.000153	1.000201	1.000247	1.000338	1.000427	1.000514	1.000683	1.00132	1.00251	1.00375	1.00468	1.00863	1.02861	1.8113	1.8113
10^(10^6)	1	1.0000064	1.0000124	1.000018	1.000024	1.000030	1.000041	1.000052	1.000062	1.000083	1.00016	1.00031	1.00047	1.00059	1.00112	1.00387	1.1333	1.1333