

# Mathematik > Wahrscheinlichkeitstafeln > Binomialverteilung

## Wahrscheinlichkeitstafel: Binomialverteilung B(100, 0.9) bis B(500, 0.9) (Schrittweite 10)

100- bis 500-malig durchgeführtes Bernoulli-Experiment (T = Treffer, N = Nichttreffer) mit Trefferwahrscheinlichkeit  $p = 0.9$ , binomialverteilte Zufallsvariable  $X$  als Anzahl  $k$  des Auftretens von T mit  $p(X=k)$ ,  $p(X \leq k)$  (kumuliert), Erwartungswert  $\mu$ , Standardabweichung  $\sigma$ ,  $1\sigma$ -,  $2\sigma$ -,  $3\sigma$ -Intervalle

p = 0.9		n = 100
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
68	0	0
69	0	1e-8
70	2e-8	2e-8
71	7e-8	9e-8
72	2.5e-7	3.5e-7
73	8.8e-7	0.00000122
74	0.00000288	0.0000041
75	0.00000897	0.00001307
76	0.00002656	0.00003964
77	0.00007452	0.00011416
78	0.00019776	0.00031192
79	0.00049566	0.00080757
80	0.00117099	0.00197856
81	0.00260219	0.00458075
82	0.00542653	0.01000728
83	0.01059153	0.02059881
84	0.01929172	0.03989053
85	0.03268244	0.07257297
86	0.05130383	0.12387679
87	0.07430209	0.19817889
88	0.09878801	0.2969669
89	0.11987759	0.41684449
90	0.13186535	0.54870983
91	0.13041628	0.67912611
92	0.11482303	0.79394914
93	0.08889525	0.88284438
94	0.05957873	0.94242311
95	0.0338658	0.97628892
96	0.0158746	0.99216351
97	0.0058916	0.99805512
98	0.0016232	0.99967831
99	0.00029513	0.99997344
100	0.00002656	1
k	p(X=k)	p(x≤k)

<b>p = 0.9</b>	<b>n = 100</b>
Erwartungswert: $\mu = 90$	
Standardabweichung: $\sigma = 3$	
1 $\sigma$ -Intervall: $p(87 \leq X \leq 93) = 0.75896759$	
2 $\sigma$ -Intervall: $p(84 \leq X \leq 96) = 0.9715647$	
3 $\sigma$ -Intervall: $p(81 \leq X \leq 99) = 0.99799488$	

<b>p = 0.9</b>		<b>n = 110</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
76	0	0
77	0	1e-8
78	1e-8	2e-8
79	5e-8	7e-8
80	1.8e-7	2.5e-7
81	6.1e-7	8.6e-7
82	0.00000194	0.0000028
83	0.00000589	0.00000869
84	0.00001703	0.00002572
85	0.00004689	0.00007261
86	0.00012268	0.00019529
87	0.00030458	0.00049987
88	0.00071645	0.00121633
89	0.00159391	0.00281024
90	0.00334721	0.00615745
91	0.00662086	0.0127783
92	0.01230616	0.02508446
93	0.02143653	0.04652099
94	0.03489138	0.08141237
95	0.05288798	0.13430036
96	0.07437373	0.20867409
97	0.09660917	0.30528326
98	0.11533952	0.42062278
99	0.12582493	0.54644771
100	0.12456668	0.67101439
101	0.11100001	0.78201441
102	0.08814707	0.87016148
103	0.06161737	0.93177885
104	0.03732591	0.96910476
105	0.01919618	0.98830094
106	0.00814932	0.99645026
107	0.00274183	0.99919209

108	0.00068546	0.99987754
109	0.00011319	0.99999074
110	0.00000926	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 110</b>
Erwartungswert: $\mu = 99$		
Standardabweichung: $\sigma = 3.146$		
1 $\sigma$ -Intervall: $p(96 \leq X \leq 102) = 0.73586112$		
2 $\sigma$ -Intervall: $p(93 \leq X \leq 105) = 0.96321648$		
3 $\sigma$ -Intervall: $p(90 \leq X \leq 108) = 0.99706731$		

<b>p = 0.9</b>		<b>n = 120</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
85	0	0
86	1e-8	1e-8
87	4e-8	5e-8
88	1.3e-7	1.8e-7
89	4.2e-7	6e-7
90	0.00000129	0.00000189
91	0.00000384	0.00000573
92	0.00001088	0.00001661
93	0.00002949	0.00004611
94	0.00007624	0.00012235
95	0.0001878	0.00031014
96	0.00044015	0.00075029
97	0.00098012	0.00173041
98	0.00207026	0.00380067
99	0.00414052	0.00794119
100	0.00782558	0.01576677
101	0.01394658	0.02971335
102	0.02338103	0.05309438
103	0.03677404	0.08986842
104	0.05410027	0.14396869
105	0.07419466	0.21816336
106	0.0944932	0.31265656
107	0.11127237	0.42392893
108	0.12054507	0.544474
109	0.11943915	0.66391314
110	0.10749523	0.77140838
111	0.0871583	0.85856667
112	0.06303413	0.9216008

113	0.04016334	0.96176414
114	0.02219553	0.98395967
115	0.01042225	0.99438191
116	0.00404311	0.99842503
117	0.00124403	0.99966906
118	0.00028465	0.99995371
119	0.00004306	0.99999677
120	0.00000323	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 120</b>
Erwartungswert: $\mu = 108$		
Standardabweichung: $\sigma = 3.286$		
1 $\sigma$ -Intervall: $p(105 \leq X \leq 111) = 0.71459798$		
2 $\sigma$ -Intervall: $p(102 \leq X \leq 114) = 0.95424632$		
3 $\sigma$ -Intervall: $p(99 \leq X \leq 117) = 0.99586839$		

<b>p = 0.9</b>		<b>n = 130</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
93	0	0
94	1e-8	1e-8
95	3e-8	4e-8
96	9e-8	1.3e-7
97	2.8e-7	4.1e-7
98	8.5e-7	0.00000126
99	0.00000249	0.00000375
100	0.00000694	0.00001069
101	0.00001855	0.00002924
102	0.00004746	0.0000767
103	0.00011613	0.00019283
104	0.00027133	0.00046416
105	0.00060468	0.00106884
106	0.00128352	0.00235236
107	0.00259103	0.00494339
108	0.00496614	0.00990953
109	0.00902107	0.0189306
110	0.01549983	0.03443043
111	0.02513486	0.05956529
112	0.03837554	0.09794083
113	0.05501627	0.1529571
114	0.07383762	0.22679472
115	0.09245754	0.31925226

116	0.10760145	0.42685371
117	0.11587849	0.5427322
118	0.11489646	0.65762866
119	0.10427578	0.76190445
120	0.08602752	0.84793197
121	0.06398741	0.91191938
122	0.04248345	0.95440283
123	0.02486836	0.97927118
124	0.01263473	0.99190592
125	0.0054582	0.99736412
126	0.00194936	0.99931348
127	0.00055257	0.99986605
128	0.00011656	0.99998261
129	0.00001626	0.99999887
130	0.00000113	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 130</b>
Erwartungswert: $\mu = 117$		
Standardabweichung: $\sigma = 3.421$		
1 $\sigma$ -Intervall: $p(114 \leq X \leq 120) = 0.69497487$		
2 $\sigma$ -Intervall: $p(111 \leq X \leq 123) = 0.94484076$		
3 $\sigma$ -Intervall: $p(107 \leq X \leq 127) = 0.99751369$		

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<b>p = 0.9</b>		<b>n = 140</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
101	0	0
102	1e-8	1e-8
103	2e-8	3e-8
104	6e-8	9e-8
105	1.9e-7	2.8e-7
106	5.6e-7	8.4e-7
107	0.00000161	0.00000244
108	0.00000442	0.00000686
109	0.00001167	0.00001853
110	0.00002959	0.00004812
111	0.00007199	0.00012011
112	0.00016775	0.00028786
113	0.00037411	0.00066197
114	0.00079743	0.0014594
115	0.00162261	0.00308201
116	0.0031473	0.00622931

117	0.00581039	0.0120397
118	0.01019281	0.02223251
119	0.01695946	0.03919197
120	0.02671115	0.06590312
121	0.0397356	0.10563873
122	0.05569498	0.16133371
123	0.07335437	0.23468808
124	0.09050982	0.3251979
125	0.10426732	0.42946522
126	0.11171498	0.5411802
127	0.11083534	0.65201554
128	0.10131043	0.75332596
129	0.08481803	0.83814399
130	0.06459219	0.90273619
131	0.04437632	0.9471125
132	0.02723092	0.97434342
133	0.01474155	0.98908497
134	0.00693073	0.9960157
135	0.00277229	0.99878799
136	0.0009173	0.9997053
137	0.00024104	0.99994634
138	0.00004716	0.9999935
139	0.00000611	0.9999961
140	3.9e-7	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.9</b>	<b>n = 140</b>
Erwartungswert: $\mu = 126$		
Standardabweichung: $\sigma = 3.55$		
1 $\sigma$ -Intervall: $p(123 \leq X \leq 129) = 0.67681028$		
2 $\sigma$ -Intervall: $p(119 \leq X \leq 133) = 0.96685247$		
3 $\sigma$ -Intervall: $p(116 \leq X \leq 136) = 0.99662329$		

	<b>p = 0.9</b>	<b>n = 150</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
109	0	0
110	0	1e-8
111	1e-8	2e-8
112	4e-8	6e-8
113	1.3e-7	1.9e-7
114	3.7e-7	5.5e-7
115	0.00000103	0.00000159

116	0.00000281	0.00000439
117	0.00000734	0.00001174
118	0.00001848	0.00003021
119	0.00004472	0.00007494
120	0.00010398	0.00017891
121	0.00023202	0.00041093
122	0.00049636	0.00090729
123	0.00101694	0.00192423
124	0.00199287	0.00391711
125	0.00373066	0.00764777
126	0.00666189	0.01430966
127	0.01133046	0.02564012
128	0.01832348	0.0439636
129	0.02812441	0.07208801
130	0.04088856	0.11297657
131	0.05618276	0.16915933
132	0.07278221	0.24194154
133	0.08865202	0.33059356
134	0.10122208	0.43181564
135	0.10797022	0.53978586
136	0.10717632	0.64696218
137	0.09857092	0.7455331
138	0.083571	0.8291041
139	0.06493286	0.89403697
140	0.04591681	0.93995378
141	0.0293086	0.96926238
142	0.01671829	0.98598067
143	0.0084176	0.99439827
144	0.0036827	0.99808097
145	0.00137149	0.99945245
146	0.00042272	0.99987517
147	0.00010352	0.9999787
148	0.00001889	0.99999758
149	0.00000228	0.99999986
150	1.4e-7	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.9</b>	<b>n = 150</b>
Erwartungswert: $\mu = 135$		
Standardabweichung: $\sigma = 3.674$		
1 $\sigma$ -Intervall: $p(132 \leq X \leq 138) = 0.65994477$		
2 $\sigma$ -Intervall: $p(128 \leq X \leq 142) = 0.96034055$		
3 $\sigma$ -Intervall: $p(124 \leq X \leq 146) = 0.99795094$		

p = 0.9		n = 160
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
118	0	0
119	1e-8	1e-8
120	3e-8	4e-8
121	8e-8	1.2e-7
122	2.4e-7	3.6e-7
123	6.6e-7	0.00000103
124	0.00000178	0.00000281
125	0.00000462	0.00000743
126	0.00001155	0.00001898
127	0.00002784	0.00004682
128	0.00006459	0.00011141
129	0.0001442	0.00025561
130	0.00030948	0.00056509
131	0.00063785	0.00120294
132	0.00126121	0.00246416
133	0.00238967	0.00485382
134	0.0043335	0.00918732
135	0.0075114	0.01669872
136	0.01242694	0.02912566
137	0.01959285	0.04871851
138	0.02938927	0.07810778
139	0.04186385	0.11997163
140	0.0565162	0.17648783
141	0.07214834	0.24863617
142	0.08688286	0.33551903
143	0.09842674	0.43394577
144	0.10457841	0.53852418
145	0.10385718	0.64238136
146	0.09603232	0.73841368
147	0.08231342	0.8207271
148	0.0650721	0.8857992
149	0.04716635	0.93296555
150	0.03112979	0.96409534
151	0.01855418	0.98264952
152	0.00988743	0.99253695
153	0.00465291	0.99718985
154	0.00190346	0.99909331
155	0.00066314	0.99975645
156	0.00019129	0.99994775
157	0.00004386	0.99999161
158	0.0000075	0.9999991
159	8.5e-7	0.99999995



160	5e-8	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 160</b>
Erwartungswert: $\mu = 144$		
Standardabweichung: $\sigma = 3.795$		
1 $\sigma$ -Intervall: $p(141 \leq X \leq 147) = 0.64423927$		
2 $\sigma$ -Intervall: $p(137 \leq X \leq 151) = 0.95352386$		
3 $\sigma$ -Intervall: $p(133 \leq X \leq 155) = 0.9972923$		

<b>p = 0.9</b>		<b>n = 170</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
126	0	0
127	1e-8	1e-8
128	2e-8	3e-8
129	5e-8	8e-8
130	1.5e-7	2.4e-7
131	4.3e-7	6.6e-7
132	0.00000113	0.00000179
133	0.00000291	0.0000047
134	0.00000723	0.00001194
135	0.00001736	0.00002929
136	0.0000402	0.00006949
137	0.00008979	0.00015928
138	0.00019325	0.00035253
139	0.00040039	0.00075292
140	0.00079793	0.00155085
141	0.00152795	0.0030788
142	0.00280841	0.0058872
143	0.00494908	0.01083628
144	0.00835157	0.01918786
145	0.01347771	0.03266557
146	0.02077045	0.05343602
147	0.03051984	0.08395586
148	0.04268654	0.1266424
149	0.05672439	0.18336679
150	0.07147273	0.25483952
151	0.08519928	0.3400388
152	0.09584919	0.435888
153	0.10148738	0.53737538
154	0.10082837	0.63820375
155	0.09367281	0.73187656

156	0.08106301	0.81293957
157	0.06505694	0.87799651
158	0.04817507	0.92617158
159	0.03272269	0.95889427
160	0.02024717	0.97914144
161	0.011131829	0.99045973
162	0.00565915	0.99611888
163	0.00249975	0.99861862
164	0.00096027	0.99957889
165	0.00031427	0.99989316
166	0.00008519	0.99997835
167	0.00001837	0.99999672
168	0.00000295	0.99999967
169	3.1e-7	0.99999998
170	2e-8	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 170</b>
Erwartungswert: $\mu = 153$		
Standardabweichung: $\sigma = 3.912$		
1σ-Intervall: $p(150 \leq X \leq 156) = 0.62957278$		
2σ-Intervall: $p(146 \leq X \leq 160) = 0.94647587$		
3σ-Intervall: $p(142 \leq X \leq 164) = 0.99650009$		

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<b>p = 0.9</b>		<b>n = 180</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
134	0	0
135	0	1e-8
136	1e-8	2e-8
137	4e-8	5e-8
138	1e-7	1.5e-7
139	2.7e-7	4.3e-7
140	7.2e-7	0.00000114
141	0.00000183	0.00000298
142	0.00000453	0.00000751
143	0.00001084	0.00001835
144	0.00002506	0.00004341
145	0.000056	0.00009942
146	0.00012083	0.00022025
147	0.00025152	0.00047177
148	0.00050475	0.00097652
149	0.00097562	0.00195214

150	0.00181466	0.0037668
151	0.00324475	0.00701155
152	0.00557158	0.01258312
153	0.00917671	0.02175984
154	0.01448014	0.03623998
155	0.02186034	0.05810032
156	0.03152934	0.08962965
157	0.04337794	0.13300759
158	0.05683059	0.18983819
159	0.07077017	0.26060836
160	0.08359727	0.34420563
161	0.09346278	0.43766841
162	0.09865516	0.53632357
163	0.09804991	0.63437348
164	0.09147339	0.72584688
165	0.07983133	0.8056782
166	0.06492307	0.87060127
167	0.04898387	0.91958514
168	0.03411377	0.95369891
169	0.02180051	0.97549942
170	0.01269559	0.98819501
171	0.00668189	0.9948769
172	0.0031467	0.99802361
173	0.00130961	0.99933322
174	0.00047417	0.99980739
175	0.00014632	0.99995371
176	0.00003741	0.99999112
177	0.00000761	0.99999872
178	0.00000115	0.99999988
179	1.2e-7	0.99999999
180	1e-8	1

<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.9</b>	<b>n = 180</b>

Erwartungswert:  
 $\mu = 162$

Standardabweichung:  
 $\sigma = 4.025$

1σ-Intervall:  
 $p(158 \leq X \leq 166) = 0.73759367$

2σ-Intervall:  
 $p(154 \leq X \leq 170) = 0.96643518$

3σ-Intervall:  
 $p(150 \leq X \leq 174) = 0.99785525$

	<b>p = 0.9</b>	<b>n = 190</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...

143	0	0
144	1e-8	1e-8
145	2e-8	4e-8
146	6e-8	1e-7
147	1.7e-7	2.7e-7
148	4.6e-7	7.3e-7
149	0.00000116	0.00000189
150	0.00000284	0.00000473
151	0.00000678	0.00001151
152	0.00001565	0.00002716
153	0.00003498	0.00006214
154	0.00007564	0.00013778
155	0.00015812	0.0002959
156	0.00031928	0.00061518
157	0.00062229	0.00123748
158	0.00116976	0.00240724
159	0.0021188	0.00452604
160	0.00369466	0.0082207
161	0.00619602	0.01441673
162	0.00998248	0.02439921
163	0.01543304	0.03983224
164	0.02286724	0.06269948
165	0.03242991	0.09512939
166	0.0439562	0.13908558
167	0.05685352	0.19593911
168	0.07005166	0.26599077
169	0.08207236	0.34806314
170	0.09124516	0.4393083
171	0.09604753	0.53535583
172	0.09548912	0.63084495
173	0.08941756	0.72026251
174	0.07862578	0.79888829
175	0.06469779	0.86358607
176	0.04962614	0.91321222
177	0.03532708	0.9485393
178	0.02322061	0.97175991
179	0.0140102	0.98577012
180	0.00770561	0.99347573
181	0.00383152	0.99730725
182	0.00170524	0.99901248
183	0.00067091	0.99968339
184	0.00022971	0.99991311
185	0.00006705	0.99998016
186	0.00001622	0.99999638
187	0.00000312	0.99999951
188	4.5e-7	0.99999996
189	4e-8	1

190	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 190</b>
Erwartungswert: $\mu = 171$		
Standardabweichung: $\sigma = 4.135$		
1 $\sigma$ -Intervall: $p(167 \leq X \leq 175) = 0.72450049$		
2 $\sigma$ -Intervall: $p(163 \leq X \leq 179) = 0.96137091$		
3 $\sigma$ -Intervall: $p(159 \leq X \leq 183) = 0.99727616$		

<b>p = 0.9</b>		<b>n = 200</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
151	0	0
152	1e-8	1e-8
153	2e-8	2e-8
154	4e-8	6e-8
155	1.1e-7	1.8e-7
156	2.9e-7	4.7e-7
157	7.3e-7	0.00000119
158	0.00000178	0.00000298
159	0.00000424	0.00000722
160	0.00000979	0.00001701
161	0.00002188	0.00003889
162	0.00004741	0.0000863
163	0.00009947	0.00018577
164	0.00020197	0.00038774
165	0.0003966	0.00078435
166	0.00075259	0.00153694
167	0.001379	0.00291594
168	0.00243788	0.00535382
169	0.00415449	0.00950831
170	0.00681825	0.01632657
171	0.01076566	0.02709223
172	0.01633627	0.0434285
173	0.02379618	0.06722468
174	0.0332326	0.10045729
175	0.04443674	0.14489402
176	0.05680833	0.20170235
177	0.06932542	0.27102777
178	0.08062001	0.35164778
179	0.08917744	0.44082522
180	0.09363631	0.53446153

181	0.09311898	0.62758051
182	0.08749091	0.71507143
183	0.07745097	0.7925224
184	0.06440217	0.85692457
185	0.05012925	0.90705382
186	0.03638414	0.94343796
187	0.02451551	0.96795347
188	0.015257	0.98321047
189	0.00871828	0.99192875
190	0.00454268	0.99647143
191	0.00214053	0.99861197
192	0.00090304	0.999515
193	0.00033688	0.99985189
194	0.0001094	0.99996129
195	0.0000303	0.99999158
196	0.00000696	0.99999854
197	0.00000127	0.99999981
198	1.7e-7	0.99999998
199	2e-8	1
200	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.9</b>	<b>n = 200</b>
Erwartungswert: $\mu = 180$		
Standardabweichung: $\sigma = 4.243$		
1 $\sigma$ -Intervall: $p(176 \leq X \leq 184) = 0.71203054$		
2 $\sigma$ -Intervall: $p(172 \leq X \leq 188) = 0.95611824$		
3 $\sigma$ -Intervall: $p(168 \leq X \leq 192) = 0.99659906$		

<b>p = 0.9</b>		<b>n = 210</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
159	0	0
160	0	1e-8
161	1e-8	2e-8
162	3e-8	4e-8
163	7e-8	1.1e-7
164	1.8e-7	3e-7
165	4.6e-7	7.6e-7
166	0.00000112	0.00000188
167	0.00000266	0.00000454
168	0.00000613	0.00001066
169	0.0000137	0.00002437

170	0.00002974	0.00005411
171	0.00006262	0.00011673
172	0.00012778	0.00024451
173	0.00025261	0.00049711
174	0.00048344	0.00098055
175	0.00089505	0.00187561
176	0.00160194	0.00347755
177	0.00276946	0.00624701
178	0.00462095	0.01086797
179	0.00743483	0.0183028
180	0.01152399	0.02982679
181	0.01719048	0.04701727
182	0.02465228	0.07166955
183	0.0339474	0.10561695
184	0.04483271	0.15044967
185	0.05670732	0.20715699
186	0.06859757	0.27575456
187	0.0792357	0.35499025
188	0.08724356	0.44223381
189	0.09139801	0.53363182
190	0.09091697	0.6245488
191	0.08568091	0.71022971
192	0.07630956	0.78653928
193	0.06405259	0.85059186
194	0.0505157	0.90110756
195	0.0373039	0.93841147
196	0.02569401	0.96410548
197	0.01643374	0.98053922
198	0.00971084	0.99025006
199	0.00527021	0.99552027
200	0.00260875	0.99812902
201	0.0011681	0.99929712
202	0.0004684	0.99976551
203	0.00016613	0.99993164
204	0.00005131	0.99998295
205	0.00001351	0.99999646
206	0.00000295	0.99999941
207	5.1e-7	0.99999993
208	7e-8	0.99999999
209	1e-8	1
210	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.9</b>	<b>n = 210</b>
Erwartungswert: $\mu = 189$		
Standardabweichung: $\sigma = 4.347$		
1 $\sigma$ -Intervall: $p(185 \leq X \leq 193) = 0.7001422$		

$2\sigma$ -Intervall: $p(181 \leq X \leq 197) = 0.95071243$
$3\sigma$ -Intervall: $p(176 \leq X \leq 202) = 0.9978899$

<b>p = 0.9</b>		<b>n = 220</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
168	0	0
169	1e-8	1e-8
170	2e-8	3e-8
171	5e-8	7e-8
172	1.2e-7	1.9e-7
173	2.9e-7	4.8e-7
174	7.1e-7	0.00000118
175	0.00000167	0.00000285
176	0.00000384	0.00000669
177	0.00000859	0.00001528
178	0.00001868	0.00003396
179	0.00003944	0.0000734
180	0.00008085	0.00015426
181	0.00016082	0.00031507
182	0.00031014	0.00062522
183	0.00057961	0.00120483
184	0.00104898	0.00225381
185	0.00183713	0.00409093
186	0.00311126	0.0072022
187	0.00509116	0.01229336
188	0.00804295	0.0203363
189	0.01225592	0.03259222
190	0.01799685	0.05058907
191	0.02544057	0.07602963
192	0.03458327	0.11061291
193	0.04515536	0.15576827
194	0.05656058	0.21232885
195	0.0678727	0.28020155
196	0.07791509	0.35811664
197	0.08542974	0.44354638
198	0.08931291	0.5328593
199	0.0888641	0.6217234
200	0.08397658	0.70569998
201	0.07520291	0.78090288
202	0.06366187	0.84456475
203	0.05080405	0.8953688
204	0.03810304	0.93347184
205	0.02676506	0.9602369



206	0.01754021	0.97777711
207	0.01067665	0.98845376
208	0.00600562	0.99445937
209	0.00310338	0.99756275
210	0.00146302	0.99902578
211	0.00062404	0.99964981
212	0.00023843	0.99988824
213	0.0000806	0.99996884
214	0.00002373	0.99999257
215	0.00000596	0.99999852
216	0.00000124	0.99999977
217	2.1e-7	0.99999997
218	3e-8	1
219	0	1
220	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 220</b>
Erwartungswert: $\mu = 198$		
Standardabweichung: $\sigma = 4.45$		
1 $\sigma$ -Intervall: $p(194 \leq X \leq 202) = 0.68879648$		
2 $\sigma$ -Intervall: $p(190 \leq X \leq 206) = 0.94518489$		
3 $\sigma$ -Intervall: $p(185 \leq X \leq 211) = 0.99739601$		

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<b>p = 0.9</b>		<b>n = 230</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
176	0	0
177	0	1e-8
178	1e-8	2e-8
179	3e-8	5e-8
180	7e-8	1.2e-7
181	1.8e-7	3e-7
182	4.4e-7	7.5e-7
183	0.00000105	0.0000018
184	0.00000241	0.0000042
185	0.00000539	0.0000096
186	0.00001174	0.00002133
187	0.00002486	0.00004619
188	0.00005117	0.00009736
189	0.00010234	0.0001997
190	0.00019876	0.00039846
191	0.00037462	0.00077308

192	0.00068486	0.00145794
193	0.00121358	0.00267152
194	0.0020831	0.00475462
195	0.00346116	0.00821578
196	0.00556257	0.01377835
197	0.00864034	0.0224187
198	0.01296051	0.03537921
199	0.01875692	0.05413613
200	0.02616591	0.08030204
201	0.03514824	0.11545028
202	0.0454143	0.16086458
203	0.05637638	0.21724096
204	0.06715422	0.28439518
205	0.07665408	0.36104926
206	0.08372412	0.44477337
207	0.0873643	0.53213767
208	0.08694427	0.61908194
209	0.08236826	0.7014502
210	0.07413143	0.77558164
211	0.06324009	0.83882172
212	0.05100969	0.88983141
213	0.0387961	0.92862752
214	0.0277374	0.95636492
215	0.01857761	0.97494253
216	0.01161101	0.98655353
217	0.00674187	0.99329541
218	0.00361835	0.99691375
219	0.00178439	0.99869814
220	0.00080298	0.99950112
221	0.000327	0.99982812
222	0.00011931	0.99994743
223	0.00003852	0.99998595
224	0.00001083	0.99999679
225	0.0000026	0.99999939
226	5.2e-7	0.99999991
227	8e-8	0.99999999
228	1e-8	1
229	0	1
230	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 230</b>
Erwartungswert: $\mu = 207$		
Standardabweichung: $\sigma = 4.55$		
1σ-Intervall: $p(203 \leq X \leq 211) = 0.67795714$		
2σ-Intervall: $p(198 \leq X \leq 216) = 0.96413484$		

3 $\sigma$ -Intervall:  
 $p(194 \leq X \leq 220) = 0.9968296$

p = 0.9		n = 240
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
185	0	0
186	1e-8	1e-8
187	2e-8	3e-8
188	5e-8	8e-8
189	1.2e-7	1.9e-7
190	2.8e-7	4.7e-7
191	6.6e-7	0.00000113
192	0.00000151	0.00000264
193	0.00000339	0.00000603
194	0.00000738	0.00001341
195	0.00001568	0.00002909
196	0.00003239	0.00006148
197	0.00006511	0.00012659
198	0.00012726	0.00025385
199	0.00024174	0.00049559
200	0.000446	0.00094159
201	0.00079881	0.0017404
202	0.00138803	0.00312843
203	0.00233846	0.00546689
204	0.00381719	0.00928407
205	0.00603301	0.01531709
206	0.00922524	0.02454233
207	0.01363731	0.03817964
208	0.01947251	0.05765215
209	0.02683293	0.08448508
210	0.03564946	0.12013454
211	0.0456178	0.16575234
212	0.05616153	0.22191387
213	0.06644463	0.2883585
214	0.07544881	0.36380731
215	0.08211638	0.44592369
216	0.08553789	0.53146158
217	0.08514371	0.61660529
218	0.08084747	0.69745276
219	0.07309497	0.77054773
220	0.06279523	0.83334296
221	0.05114543	0.88448839
222	0.03939581	0.9238842
223	0.02861937	0.95250357
224	0.01954806	0.97205163

225	0.01251076	0.98456238
226	0.00747324	0.99203562
227	0.00414814	0.99618376
228	0.00212865	0.99831241
229	0.00100391	0.99931632
230	0.00043212	0.99974843
231	0.00016836	0.99991679
232	0.00005878	0.99997557
233	0.00001816	0.99999374
234	0.00000489	0.99999863
235	0.00000112	0.99999975
236	2.1e-7	0.99999996
237	3e-8	1
238	0	1
...	...	...
240	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 240</b>
Erwartungswert: $\mu = 216$		
Standardabweichung: $\sigma = 4.648$		
1 $\sigma$ -Intervall: $p(212 \leq X \leq 220) = 0.66759062$		
2 $\sigma$ -Intervall: $p(207 \leq X \leq 225) = 0.96002005$		
3 $\sigma$ -Intervall: $p(203 \leq X \leq 229) = 0.99618789$		

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<b>p = 0.9</b>		<b>n = 250</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
193	0	0
194	0	1e-8
195	1e-8	2e-8
196	3e-8	5e-8
197	7e-8	1.2e-7
198	1.8e-7	3e-7
199	4.1e-7	7.1e-7
200	9.5e-7	0.00000166
201	0.00000213	0.00000379
202	0.00000465	0.00000844
203	0.00000989	0.00001833
204	0.00002051	0.00003884
205	0.00004142	0.00008025
206	0.00008143	0.00016168
207	0.00015577	0.00031745

208	0.00028982	0.00060727
209	0.00052418	0.00113145
210	0.00092106	0.00205251
211	0.00157147	0.00362398
212	0.00260182	0.00622579
213	0.00417757	0.01040336
214	0.00650061	0.01690397
215	0.00979626	0.02670023
216	0.01428622	0.04098645
217	0.02014554	0.061132
218	0.02744599	0.08857799
219	0.03609336	0.12467135
220	0.04577294	0.1704443
221	0.0559217	0.226366
222	0.06574578	0.29211177
223	0.07429568	0.36640745
224	0.08059754	0.447005
225	0.08382145	0.53082644
226	0.08345056	0.614277
227	0.0794067	0.6936837
228	0.07209292	0.76577662
229	0.06233362	0.82811023
230	0.05122197	0.87933221
231	0.03991323	0.91924543
232	0.0294188	0.94866423
233	0.02045427	0.9691185
234	0.01337395	0.98249245
235	0.0081951	0.99068755
236	0.00468787	0.99537543
237	0.00249229	0.99786771
238	0.0012252	0.99909291
239	0.00055365	0.99964656
240	0.00022838	0.99987494
241	0.00008529	0.99996023
242	0.00002855	0.99998877
243	0.00000846	0.99999723
244	0.00000218	0.99999942
245	4.8e-7	0.9999999
246	9e-8	0.99999999
247	1e-8	1
248	0	1
...	...	...
250	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.9</b>	<b>n = 250</b>
Erwartungswert: $\mu = 225$		

Standardabweichung: $\sigma = 4.743$
1 $\sigma$ -Intervall: $p(221 \leq X \leq 229) = 0.65766594$
2 $\sigma$ -Intervall: $p(216 \leq X \leq 234) = 0.95579222$
3 $\sigma$ -Intervall: $p(211 \leq X \leq 239) = 0.99759405$

p = 0.9		n = 260
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
202	0	0
203	1e-8	1e-8
204	2e-8	3e-8
205	5e-8	8e-8
206	1.1e-7	1.9e-7
207	2.6e-7	4.5e-7
208	6e-7	0.00000105
209	0.00000134	0.00000239
210	0.00000293	0.00000531
211	0.00000624	0.00001156
212	0.00001299	0.00002454
213	0.00002634	0.00005089
214	0.00005207	0.00010295
215	0.00010026	0.00020321
216	0.00018798	0.00039119
217	0.00034305	0.00073424
218	0.00060899	0.00134322
219	0.00105113	0.00239435
220	0.00176302	0.00415737
221	0.0028719	0.00702927
222	0.0045407	0.01156997
223	0.00696376	0.01853373
224	0.01035238	0.02888612
225	0.01490743	0.04379355
226	0.02077805	0.0645716
227	0.02800918	0.09258078
228	0.03648565	0.12906643
229	0.04588588	0.17495231
230	0.05566157	0.23061388
231	0.06505897	0.29567285
232	0.07319135	0.3688642
233	0.07915974	0.44802394
234	0.08220434	0.53022828
235	0.08185454	0.61208282
236	0.07803928	0.6901221

237	0.07112441	0.76124652
238	0.06186031	0.82310682
239	0.05124829	0.87435511
240	0.04035803	0.91471314
241	0.03014292	0.94485606
242	0.02129934	0.9661554
243	0.01419956	0.98035496
244	0.00890382	0.98925878
245	0.00523327	0.99449205
246	0.00287191	0.99736397
247	0.00146503	0.99882899
248	0.00069116	0.99952015
249	0.00029978	0.99981993
250	0.00011871	0.99993865
251	0.00004257	0.99998121
252	0.00001368	0.99999489
253	0.00000389	0.99999879
254	9.7e-7	0.99999975
255	2e-7	0.99999996
256	4e-8	0.99999999
257	1e-8	1
258	0	1
...	...	...
260	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.9</b>	<b>n = 260</b>
Erwartungswert: $\mu = 234$		
Standardabweichung: $\sigma = 4.837$		
1 $\sigma$ -Intervall: $p(230 \leq X \leq 238) = 0.64815451$		
2 $\sigma$ -Intervall: $p(225 \leq X \leq 243) = 0.95146885$		
3 $\sigma$ -Intervall: $p(220 \leq X \leq 248) = 0.9971258$		

	<b>p = 0.9</b>	<b>n = 270</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
210	0	0
211	0	1e-8
212	1e-8	2e-8
213	3e-8	5e-8
214	7e-8	1.2e-7
215	1.6e-7	2.8e-7
216	3.8e-7	6.6e-7

217	8.4e-7	0.0000015
218	0.00000185	0.00000335
219	0.00000394	0.00000729
220	0.00000823	0.00001552
221	0.00001675	0.00003227
222	0.00003328	0.00006554
223	0.00006446	0.00013001
224	0.00012173	0.00025174
225	0.00022398	0.00047572
226	0.00040139	0.0008771
227	0.00070021	0.00157732
228	0.00118852	0.00276584
229	0.00196184	0.00472768
230	0.00314747	0.00787514
231	0.00490515	0.01278029
232	0.00742115	0.02020144
233	0.01089285	0.03109429
234	0.01550136	0.04659564
235	0.02137208	0.06796773
236	0.0285263	0.09649403
237	0.03683142	0.13332545
238	0.0459619	0.17928736
239	0.05538505	0.23467241
240	0.06438513	0.29905754
241	0.07213271	0.37119025
242	0.07779603	0.44898628
243	0.08067736	0.52966364
244	0.08034672	0.61001035
245	0.07673931	0.68674967
246	0.0701884	0.75693806
247	0.06137933	0.81831739
248	0.05123194	0.86954932
249	0.04073865	0.91028797
250	0.03079842	0.94108639
251	0.02208652	0.9631729
252	0.01498728	0.97816018
253	0.0095966	0.98775678
254	0.00578063	0.99353741
255	0.00326435	0.99680176
256	0.00172144	0.9985232
257	0.00084397	0.99936717
258	0.00038273	0.9997499
259	0.00015959	0.9999095
260	0.00006077	0.99997027
261	0.00002095	0.99999122
262	0.00000648	0.9999977
263	0.00000177	0.99999947



264	4.2e-7	0.9999999
265	9e-8	0.99999998
266	1e-8	1
267	0	1
...	...	...
270	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 270</b>
Erwartungswert: $\mu = 243$		
Standardabweichung: $\sigma = 4.93$		
1 $\sigma$ -Intervall: $p(239 \leq X \leq 247) = 0.63903003$		
2 $\sigma$ -Intervall: $p(234 \leq X \leq 252) = 0.9470659$		
3 $\sigma$ -Intervall: $p(229 \leq X \leq 257) = 0.99660133$		

<b>p = 0.9</b>		<b>n = 280</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
219	0	0
220	1e-8	1e-8
221	2e-8	3e-8
222	4e-8	8e-8
223	1e-7	1.8e-7
224	2.4e-7	4.2e-7
225	5.3e-7	9.5e-7
226	0.00000116	0.00000211
227	0.00000249	0.0000046
228	0.00000521	0.00000981
229	0.00001065	0.00002047
230	0.00002126	0.00004172
231	0.00004141	0.00008313
232	0.00007872	0.00016185
233	0.00014595	0.0003078
234	0.00026382	0.00057162
235	0.00046478	0.0010364
236	0.00079761	0.00183401
237	0.00133272	0.00316673
238	0.00216706	0.00533379
239	0.0034274	0.00876119
240	0.00526964	0.01403083
241	0.00787165	0.02190248
242	0.01141715	0.03331963
243	0.01606858	0.04938822

244	0.02192966	0.07131788
245	0.02900086	0.10031874
246	0.03713525	0.13745399
247	0.04600561	0.18345961
248	0.05509543	0.23855504
249	0.06372484	0.30227988
250	0.07111692	0.3733968
251	0.07650027	0.44989707
252	0.07923242	0.5291295
253	0.07891925	0.60804875
254	0.07550149	0.68355024
255	0.06928372	0.75283396
256	0.06089389	0.81372785
257	0.0511793	0.86490716
258	0.04106247	0.90596962
259	0.03139138	0.93736101
260	0.02281912	0.96018013
261	0.01573732	0.97591745
262	0.01027131	0.98618876
263	0.00632681	0.99251557
264	0.00366668	0.99618225
265	0.00199246	0.9981747
266	0.00101121	0.99918591
267	0.0004772	0.99966311
268	0.00020833	0.99987144
269	0.00008364	0.99995509
270	0.00003067	0.99998576
271	0.00001019	0.99999594
272	0.00000303	0.99999897
273	8e-7	0.99999977
274	1.8e-7	0.99999996
275	4e-8	0.99999999
276	1e-8	1
277	0	1
...	...	...
280	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 280</b>
Erwartungswert: $\mu = 252$		
Standardabweichung: $\sigma = 5.02$		
1 $\sigma$ -Intervall: $p(247 \leq X \leq 257) = 0.72745316$		
2 $\sigma$ -Intervall: $p(242 \leq X \leq 262) = 0.96428628$		
3 $\sigma$ -Intervall: $p(237 \leq X \leq 267) = 0.9978291$		

p = 0.9		n = 290
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
227	0	0
228	0	1e-8
229	1e-8	2e-8
230	3e-8	5e-8
231	7e-8	1.1e-7
232	1.5e-7	2.6e-7
233	3.3e-7	6e-7
234	7.3e-7	0.00000133
235	0.00000157	0.00000291
236	0.0000033	0.00000621
237	0.00000677	0.00001298
238	0.00001358	0.00002656
239	0.00002658	0.00005314
240	0.00005084	0.00010398
241	0.00009493	0.0001989
242	0.00017299	0.00037189
243	0.00030753	0.00067942
244	0.00053314	0.00121256
245	0.00090089	0.00211345
246	0.00148318	0.00359663
247	0.00237789	0.00597451
248	0.00371065	0.00968517
249	0.00563304	0.01531821
250	0.00831437	0.02363258
251	0.01192499	0.03555757
252	0.01660981	0.05216738
253	0.02245278	0.07462016
254	0.02943613	0.10405629
255	0.0374012	0.14145749
256	0.04602101	0.1874785
257	0.05479544	0.24227395
258	0.06307848	0.30535242
259	0.07014132	0.37549374
260	0.07526703	0.45076076
261	0.07786244	0.52862321
262	0.07756526	0.60618846
263	0.07432108	0.68050955
264	0.06840918	0.74891873
265	0.0604066	0.80932532
266	0.0510958	0.86042113
267	0.04133593	0.90175706
268	0.03192738	0.93368444
269	0.02350045	0.95718489

270	0.01645032	0.97363521
271	0.01092641	0.98456161
272	0.00686918	0.99143079
273	0.00407621	0.995507
274	0.00227613	0.99778314
275	0.00119187	0.99897501
276	0.00058298	0.99955798
277	0.00026518	0.99982317
278	0.00011161	0.99993477
279	0.0000432	0.99997797
280	0.00001527	0.99999325
281	0.00000489	0.99999814
282	0.00000141	0.99999955
283	3.6e-7	0.9999999
284	8e-8	0.99999998
285	2e-8	1
286	0	1
...	...	...
290	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 290</b>
Erwartungswert: $\mu = 261$		
Standardabweichung: $\sigma = 5.109$		
1σ-Intervall: $p(256 \leq X \leq 266) = 0.71896363$		
2σ-Intervall: $p(251 \leq X \leq 271) = 0.96092904$		
3σ-Intervall: $p(246 \leq X \leq 276) = 0.99744453$		

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<b>p = 0.9</b>		<b>n = 300</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
235	0	0
236	0	1e-8
237	1e-8	1e-8
238	2e-8	3e-8
239	4e-8	7e-8
240	9e-8	1.7e-7
241	2.1e-7	3.8e-7
242	4.6e-7	8.4e-7
243	0.000001	0.00000184
244	0.00000209	0.00000393
245	0.00000431	0.00000824
246	0.00000867	0.0000169

247	0.00001705	0.00003396
248	0.0000328	0.00006675
249	0.00006164	0.0001284
250	0.00011318	0.00024158
251	0.00020291	0.00044449
252	0.0003551	0.00079959
253	0.00060633	0.00140592
254	0.00100975	0.00241567
255	0.00163937	0.00405504
256	0.00259353	0.00664857
257	0.00399625	0.01064482
258	0.00599438	0.0166392
259	0.00874856	0.02538776
260	0.01241622	0.03780398
261	0.01712582	0.0549298
262	0.02294337	0.07787318
263	0.02983511	0.10770829
264	0.03763292	0.14534121
265	0.04601157	0.19135278
266	0.05448739	0.24584017
267	0.06244622	0.30828638
268	0.06920346	0.37748984
269	0.07409144	0.45158128
270	0.07656115	0.52814243
271	0.07627864	0.60442107
272	0.07319384	0.67761491
273	0.06756354	0.74517845
274	0.05991949	0.80509794
275	0.05098604	0.85608398
276	0.04156471	0.89764869
277	0.03241147	0.93006016
278	0.02413372	0.95419388
279	0.01712716	0.97132104
280	0.01156083	0.98288187
281	0.00740551	0.99028738
282	0.00449058	0.99477796
283	0.00257058	0.99734854
284	0.00138485	0.99873339
285	0.00069972	0.99943311
286	0.00033029	0.99976339
287	0.000145	0.99990839
288	0.00005891	0.9999673
289	0.00002201	0.99998932
290	0.00000752	0.99999683
291	0.00000232	0.99999916
292	6.4e-7	0.9999998
293	1.6e-7	0.99999996

294	3e-8	0.99999999
295	1e-8	1
296	0	1
...	...	...
300	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 300</b>
Erwartungswert: $\mu = 270$		
Standardabweichung: $\sigma = 5.196$		
1σ-Intervall: $p(265 \leq X \leq 275) = 0.71074278$		
2σ-Intervall: $p(260 \leq X \leq 280) = 0.95749411$		
3σ-Intervall: $p(255 \leq X \leq 285) = 0.99701743$		

<b>p = 0.9</b>		<b>n = 310</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
244	0	0
245	0	1e-8
246	1e-8	2e-8
247	3e-8	5e-8
248	6e-8	1e-7
249	1.3e-7	2.4e-7
250	2.9e-7	5.3e-7
251	6.3e-7	0.00000116
252	0.00000133	0.00000249
253	0.00000274	0.00000523
254	0.00000553	0.00001076
255	0.00001093	0.00002169
256	0.00002114	0.00004283
257	0.00003998	0.00008281
258	0.00007391	0.00015671
259	0.00013355	0.00029026
260	0.00023577	0.00052603
261	0.00040649	0.00093252
262	0.00068421	0.00161673
263	0.00112387	0.0027406
264	0.00180075	0.00454135
265	0.00281325	0.0073546
266	0.00428333	0.01163793
267	0.0063528	0.01799073
268	0.00917364	0.02716437
269	0.01289083	0.0400552

270	0.01761747	0.05767268
271	0.02340329	0.08107596
272	0.03020056	0.11127653
273	0.03783367	0.1491102
274	0.04598034	0.19509054
275	0.0541732	0.24926375
276	0.06182811	0.31109186
277	0.06830109	0.37939295
278	0.07296915	0.4523621
279	0.07532299	0.52768509
280	0.07505398	0.60273908
281	0.07211593	0.674855
282	0.06674559	0.7416006
283	0.05943424	0.80103483
284	0.05085394	0.85188878
285	0.04175376	0.89364254
286	0.03284824	0.92649078
287	0.02472202	0.9512128
288	0.01776895	0.96898175
289	0.01217388	0.98115564
290	0.00793401	0.98908965
291	0.00490764	0.99399729
292	0.00287399	0.99687128
293	0.00158903	0.99846032
294	0.00082695	0.99928726
295	0.00040366	0.99969092
296	0.0001841	0.99987503
297	0.0000781	0.99995313
298	0.00003067	0.9999838
299	0.00001108	0.99999487
300	0.00000366	0.99999853
301	0.00000109	0.99999962
302	2.9e-7	0.99999991
303	7e-8	0.99999998
304	1e-8	1
305	0	1
...	...	...
310	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 310</b>
Erwartungswert: $\mu = 279$		
Standardabweichung: $\sigma = 5.282$		
1σ-Intervall: $p(274 \leq X \leq 284) = 0.70277857$		
2σ-Intervall: $p(269 \leq X \leq 289) = 0.95399127$		

3 $\sigma$ -Intervall:  
 $p(264 \leq X \leq 294) = 0.99654666$

p = 0.9		n = 320
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
252	0	0
253	0	1e-8
254	1e-8	1e-8
255	2e-8	3e-8
256	4e-8	7e-8
257	8e-8	1.5e-7
258	1.9e-7	3.4e-7
259	4e-7	7.3e-7
260	8.4e-7	0.00000158
261	0.00000174	0.00000332
262	0.00000353	0.00000685
263	0.00000701	0.00001385
264	0.00001361	0.00002747
265	0.00002589	0.00005336
266	0.00004818	0.00010154
267	0.0000877	0.00018924
268	0.00015609	0.00034533
269	0.00027157	0.0006169
270	0.00046167	0.00107857
271	0.0007666	0.00184517
272	0.00124291	0.00308808
273	0.00196681	0.00505489
274	0.00303635	0.00809123
275	0.00457108	0.01266231
276	0.00670756	0.01936988
277	0.00958915	0.02895903
278	0.01334893	0.04230796
279	0.01808565	0.06039361
280	0.0238343	0.08422791
281	0.03053505	0.11476296
282	0.03800639	0.15276935
283	0.04592998	0.19869933
284	0.05385452	0.25255385
285	0.06122409	0.31377793
286	0.06743212	0.38121005
287	0.07189627	0.45310632
288	0.07414303	0.52724935
289	0.07388648	0.60113583
290	0.07108389	0.67221971
291	0.06595412	0.73817384



292	0.05895214	0.79712598
293	0.05070287	0.84782885
294	0.04190747	0.88973632
295	0.03324186	0.92297818
296	0.02526831	0.94824648
297	0.01837695	0.96662343
298	0.0127652	0.97938863
299	0.00845321	0.98784183
300	0.00532552	0.99316736
301	0.0031847	0.99635205
302	0.00180326	0.99815531
303	0.00096412	0.99911942
304	0.00048523	0.99960465
305	0.00022909	0.99983375
306	0.00010107	0.99993482
307	0.00004148	0.9999763
308	0.00001576	0.99999205
309	0.00000551	0.99999756
310	0.00000176	0.99999932
311	5.1e-7	0.99999983
312	1.3e-7	0.99999996
313	3e-8	0.99999999
314	1e-8	1
315	0	1
...	...	...
320	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 320</b>
Erwartungswert: $\mu = 288$		
Standardabweichung: $\sigma = 5.367$		
1 $\sigma$ -Intervall: $p(283 \leq X \leq 293) = 0.6950595$		
2 $\sigma$ -Intervall: $p(278 \leq X \leq 298) = 0.95042959$		
3 $\sigma$ -Intervall: $p(272 \leq X \leq 304) = 0.99775948$		

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<b>p = 0.9</b>		<b>n = 330</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
261	0	0
262	0	1e-8
263	1e-8	2e-8
264	2e-8	4e-8
265	5e-8	9e-8

266	1.2e-7	2.1e-7
267	2.5e-7	4.6e-7
268	5.3e-7	0.000001
269	0.00000111	0.00000211
270	0.00000225	0.00000436
271	0.00000449	0.00000885
272	0.00000876	0.00001761
273	0.00001675	0.00003436
274	0.00003136	0.00006572
275	0.00005748	0.00012319
276	0.00010308	0.00022628
277	0.00018086	0.00040714
278	0.00031033	0.00071746
279	0.00052055	0.00123801
280	0.00085332	0.00209133
281	0.00136653	0.00345786
282	0.00213702	0.00559488
283	0.00326217	0.00885705
284	0.00485879	0.01371585
285	0.00705804	0.02077388
286	0.00999477	0.03076866
287	0.0137907	0.04455935
288	0.01853125	0.0630906
289	0.0242381	0.08732871
290	0.0308409	0.1181696
291	0.03815369	0.15632329
292	0.04586282	0.20218611
293	0.05353271	0.25571883
294	0.06063399	0.31635282
295	0.06659462	0.38294744
296	0.07086928	0.45381672
297	0.07301683	0.52683355
298	0.07277181	0.59960536
299	0.07009459	0.66969995
300	0.06518796	0.73488791
301	0.05847425	0.79336217
302	0.0505357	0.84389786
303	0.04202969	0.88592755
304	0.0335961	0.91952365
305	0.02577537	0.94529902
306	0.01895248	0.96425149
307	0.01333464	0.97758614
308	0.00896192	0.98654805
309	0.00574259	0.99229064
310	0.00350113	0.99579177
311	0.00202638	0.99781814
312	0.00111061	0.99892875

313	0.00057482	0.99950357
314	0.00028009	0.99978366
315	0.00012804	0.9999117
316	0.0000547	0.9999664
317	0.00002174	0.99998814
318	0.000008	0.99999614
319	0.00000271	0.99999885
320	8.4e-7	0.99999969
321	2.3e-7	0.99999992
322	6e-8	0.99999998
323	1e-8	1
324	0	1
...	...	...
330	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.9</b>	<b>n = 330</b>
Erwartungswert: $\mu = 297$		
Standardabweichung: $\sigma = 5.45$		
1 $\sigma$ -Intervall: $p(292 \leq X \leq 302) = 0.68757457$		
2 $\sigma$ -Intervall: $p(287 \leq X \leq 307) = 0.94681748$		
3 $\sigma$ -Intervall: $p(281 \leq X \leq 313) = 0.99741224$		

<b>p = 0.9</b>		<b>n = 340</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
270	0	0
271	1e-8	1e-8
272	1e-8	3e-8
273	3e-8	6e-8
274	7e-8	1.3e-7
275	1.6e-7	2.9e-7
276	3.4e-7	6.3e-7
277	7e-7	0.00000134
278	0.00000144	0.00000277
279	0.00000287	0.00000565
280	0.00000563	0.00001128
281	0.00001083	0.00002211
282	0.00002039	0.00004249
283	0.0000376	0.00008009
284	0.00006792	0.00014801
285	0.00012011	0.00026812
286	0.00020788	0.00047601

287	0.00035203	0.00082803
288	0.00058304	0.00141107
289	0.00094417	0.00235524
290	0.00149439	0.00384963
291	0.00231091	0.00616054
292	0.00349011	0.00965064
293	0.00514582	0.01479646
294	0.00740368	0.02220015
295	0.01039025	0.0325904
296	0.01421639	0.04680679
297	0.01895519	0.06576197
298	0.0246163	0.09037827
299	0.03112027	0.12149855
300	0.03827794	0.15977648
301	0.04578092	0.2055574
302	0.05320895	0.25876635
303	0.06005763	0.31882398
304	0.06578681	0.38461078
305	0.069885	0.45449579
306	0.07194044	0.52643623
307	0.07170611	0.59814234
308	0.06914518	0.66728752
309	0.06444599	0.73173351
310	0.05800139	0.7897349
311	0.05035491	0.8400898
312	0.04212382	0.88221362
313	0.03391438	0.916128
314	0.02624584	0.94237384
315	0.01949691	0.96187075
316	0.01388229	0.97575305
317	0.00945923	0.98521228
318	0.00615742	0.9913697
319	0.00382185	0.99519155
320	0.00225728	0.99744883
321	0.00126576	0.99871459
322	0.00067219	0.99938679
323	0.00033714	0.99972392
324	0.0001592	0.99988312
325	0.00007054	0.99995366
326	0.00002921	0.99998288
327	0.00001126	0.99999413
328	0.00000401	0.99999815
329	0.00000132	0.99999946
330	4e-7	0.99999986
331	1.1e-7	0.99999997
332	3e-8	0.99999999
333	1e-8	1

334	0	1
...	...	...
340	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>	<b>n = 340</b>	
Erwartungswert: $\mu = 306$		
Standardabweichung: $\sigma = 5.532$		
1 $\sigma$ -Intervall: $p(301 \leq X \leq 311) = 0.68031332$		
2 $\sigma$ -Intervall: $p(295 \leq X \leq 317) = 0.96301213$		
3 $\sigma$ -Intervall: $p(290 \leq X \leq 322) = 0.99703154$		

<b>p = 0.9</b>		<b>n = 350</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
278	0	0
279	0	1e-8
280	1e-8	2e-8
281	2e-8	4e-8
282	5e-8	8e-8
283	1e-7	1.9e-7
284	2.1e-7	4e-7
285	4.5e-7	8.5e-7
286	9.2e-7	0.00000177
287	0.00000184	0.0000036
288	0.00000362	0.00000722
289	0.00000699	0.00001422
290	0.00001323	0.00002745
291	0.00002456	0.00005201
292	0.00004466	0.00009667
293	0.00007956	0.00017623
294	0.00013883	0.00031506
295	0.00023719	0.00055224
296	0.00039664	0.00094889
297	0.00064905	0.00159794
298	0.00103892	0.00263686
299	0.00162614	0.004263
300	0.00248799	0.006751
301	0.00371959	0.01047059
302	0.00543159	0.01590217
303	0.00774405	0.02364622
304	0.01077543	0.03442165
305	0.01462632	0.04904798

306	0.01935837	0.06840635
307	0.02497041	0.09337675
308	0.03137515	0.12475191
309	0.03838126	0.16313316
310	0.04568608	0.20881924
311	0.0528842	0.26170344
312	0.05949473	0.32119817
313	0.06500702	0.38620519
314	0.06894056	0.45514575
315	0.0709103	0.52605605
316	0.0706859	0.59674194
317	0.06823307	0.66497501
318	0.06372712	0.72870213
319	0.0575342	0.78623633
320	0.05016263	0.83639896
321	0.04219287	0.87859182
322	0.03419981	0.91279163
323	0.0266822	0.93947383
324	0.02001165	0.95948548
325	0.01440839	0.97389387
326	0.00994444	0.98383831
327	0.0065688	0.99040712
328	0.00414556	0.99455267
329	0.00249489	0.99704757
330	0.00142889	0.99847646
331	0.00077704	0.9992535
332	0.00040022	0.99965373
333	0.0001947	0.99984843
334	0.00008919	0.99993762
335	0.00003834	0.99997596
336	0.0000154	0.99999136
337	0.00000576	0.99999712
338	0.00000199	0.99999912
339	6.4e-7	0.99999975
340	1.8e-7	0.99999994
341	5e-8	0.99999999
342	1e-8	1
343	0	1
...	...	...
350	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 350</b>
Erwartungswert: $\mu = 315$		
Standardabweichung: $\sigma = 5.612$		
$1\sigma$ -Intervall: $p(310 \leq X \leq 320) = 0.67326579$		

$2\sigma$ -Intervall: $p(304 \leq X \leq 326) = 0.96019209$
$3\sigma$ -Intervall: $p(299 \leq X \leq 331) = 0.99661664$

<b>p = 0.9</b>		<b>n = 360</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
287	0	0
288	1e-8	1e-8
289	1e-8	2e-8
290	3e-8	5e-8
291	6e-8	1.2e-7
292	1.4e-7	2.5e-7
293	2.8e-7	5.4e-7
294	5.8e-7	0.00000112
295	0.00000118	0.0000023
296	0.00000233	0.00000463
297	0.00000451	0.00000914
298	0.00000858	0.00001772
299	0.00001602	0.00003373
300	0.00002931	0.00006304
301	0.00005258	0.00011562
302	0.00009245	0.00020808
303	0.00015927	0.00036735
304	0.00026878	0.00063613
305	0.00044414	0.00108027
306	0.00071846	0.00179873
307	0.00113737	0.0029361
308	0.00176145	0.00469755
309	0.00266783	0.00736538
310	0.0039501	0.01131548
311	0.00571558	0.01703106
312	0.00807876	0.02510982
313	0.01115023	0.03626005
314	0.01502085	0.0512809
315	0.01974169	0.07102259
316	0.02530185	0.09632444
317	0.03160736	0.1279318
318	0.03846556	0.16639737
319	0.04557988	0.21197725
320	0.0525593	0.26453655
321	0.05894501	0.32348156
322	0.06425372	0.38773528
323	0.06803335	0.45576864
324	0.06992317	0.52569181

325	0.06970802	0.59539983
326	0.06735591	0.66275574
327	0.0630303	0.72578604
328	0.05707317	0.78285921
329	0.04996071	0.83281992
330	0.04223951	0.87505942
331	0.03445519	0.90951461
332	0.02708676	0.93660137
333	0.02049809	0.95709946
334	0.01491328	0.97201273
335	0.01041704	0.98242977
336	0.00697569	0.98940547
337	0.00447107	0.99387653
338	0.0027382	0.99661473
339	0.0015993	0.99821403
340	0.00088902	0.99910306
341	0.00046928	0.99957234
342	0.00023464	0.99980698
343	0.00011082	0.9999178
344	0.00004929	0.99996709
345	0.00002057	0.99998766
346	0.00000803	0.99999569
347	0.00000291	0.9999986
348	9.8e-7	0.99999958
349	3e-7	0.99999989
350	9e-8	0.99999997
351	2e-8	0.99999999
352	1e-8	1
353	0	1
...	...	...
360	0	1

k	p(X=k)	p(x≤k)
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<b>p = 0.9</b>	<b>n = 360</b>
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Erwartungswert:  
 $\mu = 324$

Standardabweichung:  
 $\sigma = 5.692$

1σ-Intervall:  
 $p(319 \leq X \leq 329) = 0.66642255$

2σ-Intervall:  
 $p(313 \leq X \leq 335) = 0.95731996$

3σ-Intervall:  
 $p(307 \leq X \leq 341) = 0.99777361$

<b>p = 0.9</b>	<b>n = 370</b>
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k	p(X=k)	p(x≤k)
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0	0	0
---	---	---

...	...	...
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295	0	0
296	0	1e-8
297	1e-8	2e-8
298	2e-8	3e-8
299	4e-8	7e-8
300	9e-8	1.6e-7
301	1.8e-7	3.4e-7
302	3.7e-7	7.2e-7
303	7.5e-7	0.00000147
304	0.00000149	0.00000296
305	0.00000291	0.00000587
306	0.00000556	0.00001143
307	0.00001043	0.00002186
308	0.0000192	0.00004106
309	0.00003468	0.00007574
310	0.00006141	0.00013715
311	0.00010663	0.00024378
312	0.00018148	0.00042526
313	0.00030265	0.00072791
314	0.00049446	0.00122238
315	0.00079114	0.00201352
316	0.00123929	0.00325281
317	0.00189999	0.0051528
318	0.00284998	0.00800278
319	0.00418116	0.01218394
320	0.00599735	0.01818129
321	0.0084075	0.02658879
322	0.01151462	0.03810341
323	0.01540036	0.05350377
324	0.02010603	0.0736098
325	0.02561199	0.09922179
326	0.03181857	0.13104036
327	0.03853258	0.16957294
328	0.04546375	0.21503668
329	0.05223494	0.26727163
330	0.05840816	0.32567979
331	0.0635255	0.38920529
332	0.06716099	0.45636628
333	0.06897615	0.52534243
334	0.06876964	0.59411206
335	0.06651153	0.66062359
336	0.06235456	0.72297815
337	0.05661868	0.77959683
338	0.04975073	0.82934757
339	0.04226611	0.87161368
340	0.03468307	0.90629675
341	0.02746167	0.93375842

342	0.02095759	0.95471601
343	0.01539741	0.97011342
344	0.01087666	0.98099008
345	0.00737721	0.9883673
346	0.00479732	0.99316462
347	0.00298623	0.99615085
348	0.00177629	0.99792714
349	0.00100775	0.99893489
350	0.00054419	0.99947908
351	0.00027907	0.99975815
352	0.00013557	0.99989372
353	0.00006222	0.99995593
354	0.00002689	0.99998282
355	0.00001091	0.99999373
356	0.00000414	0.99999787
357	0.00000146	0.99999933
358	4.8e-7	0.9999998
359	1.4e-7	0.99999995
360	4e-8	0.99999999
361	1e-8	1
362	0	1
...	...	...
370	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 370</b>
Erwartungswert: $\mu = 333$		
Standardabweichung: $\sigma = 5.771$		
1σ-Intervall: $p(328 \leq X \leq 338) = 0.65977463$		
2σ-Intervall: $p(322 \leq X \leq 344) = 0.95440129$		
3σ-Intervall: $p(316 \leq X \leq 350) = 0.99746555$		

<b>p = 0.9</b>		<b>n = 380</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
304	0	0
305	1e-8	1e-8
306	1e-8	2e-8
307	3e-8	5e-8
308	5e-8	1e-7
309	1.2e-7	2.2e-7
310	2.4e-7	4.6e-7
311	4.8e-7	9.4e-7

312	9.6e-7	0.0000019
313	0.00000187	0.00000377
314	0.0000036	0.00000737
315	0.00000679	0.00001415
316	0.00001256	0.00002671
317	0.00002282	0.00004954
318	0.0000407	0.00009024
319	0.00007119	0.00016142
320	0.00012213	0.00028356
321	0.00020546	0.00048901
322	0.00033881	0.00082783
323	0.00054755	0.00137538
324	0.00086696	0.00224234
325	0.00134446	0.0035868
326	0.00204143	0.00562823
327	0.00303405	0.00866228
328	0.00441232	0.0130746
329	0.0062765	0.0193511
330	0.00873004	0.02808114
331	0.01186863	0.03994977
332	0.01576526	0.05571503
333	0.02045223	0.07616726
334	0.02590207	0.10206933
335	0.03201032	0.13407965
336	0.03858387	0.17266353
337	0.04533891	0.21800244
338	0.05191171	0.26991416
339	0.05788386	0.32779801
340	0.06282101	0.39061902
341	0.0663213	0.45694033
342	0.0680666	0.52500693
343	0.06786815	0.59287508
344	0.06569795	0.65857303
345	0.06169895	0.72027198
346	0.05617101	0.77644298
347	0.04953409	0.82597707
348	0.04227478	0.86825185
349	0.03488578	0.90313763
350	0.02780895	0.93094658
351	0.0213915	0.95233808
352	0.01586131	0.96819939
353	0.01132309	0.97952247
354	0.00777263	0.9872951
355	0.00512337	0.99241847
356	0.00323808	0.99565655
357	0.00195918	0.99761573
358	0.00113282	0.99874855

359	0.00062479	0.99937333
360	0.00032801	0.99970135
361	0.00016355	0.9998649
362	0.00007726	0.99994216
363	0.00003448	0.99997664
364	0.00001449	0.99999113
365	0.00000572	0.99999685
366	0.00000211	0.99999895
367	7.2e-7	0.99999968
368	2.3e-7	0.99999991
369	7e-8	0.99999998
370	2e-8	0.99999999
371	0	1
...	...	...
380	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 380</b>
Erwartungswert: $\mu = 342$		
Standardabweichung: $\sigma = 5.848$		
1σ-Intervall: $p(337 \leq X \leq 347) = 0.65331354$		
2σ-Intervall: $p(331 \leq X \leq 353) = 0.95144134$		
3σ-Intervall: $p(325 \leq X \leq 359) = 0.99713099$		

<b>p = 0.9</b>		<b>n = 390</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
312	0	0
313	0	1e-8
314	1e-8	1e-8
315	2e-8	3e-8
316	3e-8	6e-8
317	7e-8	1.4e-7
318	1.5e-7	2.9e-7
319	3.1e-7	6e-7
320	6.1e-7	0.00000121
321	0.00000121	0.00000242
322	0.00000233	0.00000475
323	0.00000441	0.00000916
324	0.00000821	0.00001736
325	0.000015	0.00003236
326	0.00002691	0.00005927
327	0.00004741	0.00010668

328	0.00008195	0.00018863
329	0.00013899	0.00032762
330	0.00023123	0.00055884
331	0.00037723	0.00093607
332	0.00060334	0.00153941
333	0.00094578	0.00248519
334	0.00145264	0.00393783
335	0.00218547	0.0061233
336	0.00321966	0.00934296
337	0.00464319	0.01398615
338	0.00655267	0.02053883
339	0.00904617	0.02958499
340	0.01221233	0.04179732
341	0.01611597	0.05791329
342	0.02078112	0.07869441
343	0.02617331	0.10486772
344	0.03218404	0.13705176
345	0.03862085	0.17567261
346	0.04520648	0.22087909
347	0.05159011	0.2724692
348	0.05737176	0.32984096
349	0.06213904	0.39198
350	0.0655123	0.4574923
351	0.0671921	0.5246844
352	0.06700122	0.59168562
353	0.06491336	0.65659898
354	0.06106257	0.71766155
355	0.05573034	0.77339189
356	0.04931196	0.82270385
357	0.0422674	0.86497125
358	0.03506541	0.90003666
359	0.02813047	0.92816712
360	0.02180111	0.94996824
361	0.01630554	0.96627378
362	0.0117562	0.97802998
363	0.00816133	0.98619132
364	0.00544836	0.99163968
365	0.00349292	0.9951326
366	0.00214729	0.99727989
367	0.0012638	0.99854369
368	0.00071089	0.99925457
369	0.00038145	0.99963603
370	0.00019485	0.99983088
371	0.00009454	0.99992541
372	0.00004346	0.99996887
373	0.00001887	0.99998774
374	0.00000772	0.99999546

375	0.00000296	0.99999843
376	0.00000106	0.99999949
377	3.6e-7	0.99999985
378	1.1e-7	0.99999996
379	3e-8	0.99999999
380	1e-8	1
381	0	1
...	...	...
390	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 390</b>
Erwartungswert: $\mu = 351$		
Standardabweichung: $\sigma = 5.925$		
1 $\sigma$ -Intervall: $p(346 \leq X \leq 356) = 0.64703124$		
2 $\sigma$ -Intervall: $p(340 \leq X \leq 362) = 0.94844499$		
3 $\sigma$ -Intervall: $p(334 \leq X \leq 368) = 0.99676939$		

<b>p = 0.9</b>		<b>n = 400</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
321	0	0
322	0	1e-8
323	1e-8	2e-8
324	2e-8	4e-8
325	5e-8	9e-8
326	1e-7	1.8e-7
327	2e-7	3.8e-7
328	3.9e-7	7.8e-7
329	7.8e-7	0.00000155
330	0.0000015	0.00000306
331	0.00000286	0.00000592
332	0.00000535	0.00001127
333	0.00000984	0.00002111
334	0.00001776	0.00003887
335	0.0000315	0.00007037
336	0.00005484	0.0001252
337	0.00009372	0.00021893
338	0.00015722	0.00037615
339	0.00025879	0.00063495
340	0.00041788	0.00105282
341	0.00066174	0.00171457
342	0.00102744	0.00274201

343	0.00156363	0.00430563
344	0.0023318	0.00663744
345	0.00340646	0.0100439
346	0.0048734	0.0149173
347	0.00682557	0.02174287
348	0.00935574	0.03109862
349	0.01254581	0.04364443
350	0.01645294	0.06009736
351	0.02109351	0.08119087
352	0.02642681	0.10761768
353	0.03234102	0.1399587
354	0.03864478	0.17860348
355	0.04506744	0.22367092
356	0.05127054	0.27494146
357	0.05687152	0.33181298
358	0.06147843	0.39329141
359	0.06473217	0.45802358
360	0.06635047	0.52437405
361	0.06616667	0.59054072
362	0.06415608	0.6546968
363	0.06044457	0.71514138
364	0.05529682	0.7704382
365	0.0490854	0.8195236
366	0.04224563	0.86176923
367	0.03522388	0.89699311
368	0.02842797	0.92542107
369	0.02218768	0.94760875
370	0.01673071	0.96433946
371	0.01217599	0.97651545
372	0.00854283	0.98505828
373	0.00577156	0.99082985
374	0.00374997	0.99457982
375	0.00233998	0.9969198
376	0.00140026	0.99832006
377	0.00080227	0.99912233
378	0.00043934	0.99956167
379	0.00022952	0.99979119
380	0.00011416	0.99990535
381	0.00005393	0.99995928
382	0.00002414	0.99998342
383	0.00001021	0.99999363
384	0.00000407	0.9999977
385	0.00000152	0.99999922
386	5.3e-7	0.99999976
387	1.7e-7	0.99999993
388	5e-8	0.99999998
389	1e-8	1

390	0	1
...	...	...
400	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>	<b>n = 400</b>	
Erwartungswert: $\mu = 360$		
Standardabweichung: $\sigma = 6$		
1 $\sigma$ -Intervall: $p(354 \leq X \leq 366) = 0.72181053$		
2 $\sigma$ -Intervall: $p(348 \leq X \leq 372) = 0.96331541$		
3 $\sigma$ -Intervall: $p(342 \leq X \leq 378) = 0.9978471$		

<b>p = 0.9</b>		<b>n = 410</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
329	0	0
330	0	1e-8
331	1e-8	1e-8
332	1e-8	3e-8
333	3e-8	6e-8
334	6e-8	1.2e-7
335	1.3e-7	2.4e-7
336	2.5e-7	5e-7
337	5e-7	0.000001
338	9.7e-7	0.00000197
339	0.00000186	0.00000382
340	0.00000349	0.00000731
341	0.00000644	0.00001376
342	0.0000117	0.00002546
343	0.00002088	0.00004634
344	0.0000366	0.00008294
345	0.00006302	0.00014595
346	0.00010655	0.0002525
347	0.00017686	0.00042936
348	0.00028816	0.00071752
349	0.00046072	0.00117824
350	0.00072268	0.00190091
351	0.00111181	0.00301272
352	0.00167719	0.00468991
353	0.00248015	0.00717005
354	0.00359411	0.01076416
355	0.00510262	0.01586679
356	0.00709494	0.02296173



357	0.00965866	0.03262039
358	0.01286922	0.04548961
359	0.01677659	0.0622662
360	0.02139015	0.08365635
361	0.02666362	0.11031997
362	0.03248248	0.14280245
363	0.03865683	0.18145928
364	0.04492264	0.22638192
365	0.05095335	0.27733527
366	0.05638281	0.33371808
367	0.06083812	0.3945562
368	0.06397922	0.45853542
369	0.06553969	0.52407511
370	0.06536256	0.58943767
371	0.06342458	0.65286225
372	0.05984416	0.71270641
373	0.05487052	0.76757693
374	0.0488553	0.81643223
375	0.04221098	0.85864321
376	0.03536292	0.89400613
377	0.02870306	0.92270919
378	0.02255241	0.9452616
379	0.01713745	0.96239905
380	0.01258249	0.97498154
381	0.00891673	0.98389827
382	0.00609232	0.98999059
383	0.00400852	0.99399911
384	0.00253664	0.99653576
385	0.00154175	0.99807751
386	0.00089869	0.9989762
387	0.00050159	0.99947779
388	0.0002676	0.9997454
389	0.00013621	0.99988161
390	0.00006601	0.99994762
391	0.00003039	0.999978
392	0.00001326	0.99999126
393	0.00000546	0.99999672
394	0.00000212	0.99999885
395	7.7e-7	0.99999962
396	2.6e-7	0.99999988
397	8e-8	0.99999997
398	2e-8	0.99999999
399	1e-8	1
400	0	1
...	...	...
410	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>

<b>p = 0.9</b>	<b>n = 410</b>
Erwartungswert: $\mu = 369$	
Standardabweichung: $\sigma = 6.075$	
1 $\sigma$ -Intervall: $p(363 \leq X \leq 375) = 0.71584076$	
2 $\sigma$ -Intervall: $p(357 \leq X \leq 381) = 0.96093654$	
3 $\sigma$ -Intervall: $p(351 \leq X \leq 387) = 0.99757688$	

<b>p = 0.9</b>		<b>n = 420</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
338	0	0
339	0	1e-8
340	1e-8	2e-8
341	2e-8	4e-8
342	4e-8	7e-8
343	8e-8	1.6e-7
344	1.6e-7	3.2e-7
345	3.2e-7	6.4e-7
346	6.3e-7	0.00000127
347	0.0000012	0.00000247
348	0.00000227	0.00000474
349	0.00000422	0.00000895
350	0.0000077	0.00001665
351	0.00001382	0.00003047
352	0.00002437	0.00005484
353	0.00004226	0.00009709
354	0.00007198	0.00016907
355	0.00012043	0.00028951
356	0.0001979	0.00048741
357	0.00031931	0.00080672
358	0.00050572	0.00131244
359	0.00078605	0.00209849
360	0.00119873	0.00329722
361	0.00179311	0.00509033
362	0.00263022	0.00772055
363	0.00378231	0.01150286
364	0.00533056	0.01683342
365	0.00736055	0.02419397
366	0.00995485	0.03414881
367	0.01318271	0.04733153
368	0.01708737	0.0644189
369	0.02167179	0.08609069

370	0.02688473	0.11297542
371	0.03260951	0.14558493
372	0.03865805	0.18424299
373	0.04477287	0.22901585
374	0.05063883	0.27965468
375	0.05590527	0.33555995
376	0.06021711	0.39577706
377	0.06325192	0.45902899
378	0.06475792	0.52378691
379	0.06458706	0.58837397
380	0.06271743	0.6510914
381	0.05926057	0.71035197
382	0.05445146	0.76480343
383	0.04862245	0.81342588
384	0.04216479	0.85559067
385	0.03548413	0.8910748
386	0.02895726	0.92003206
387	0.02289644	0.94292849
388	0.0175264	0.96045489
389	0.01297584	0.97343073
390	0.00928272	0.98271344
391	0.00641006	0.9891235
392	0.00426792	0.99339143
393	0.00273668	0.99612811
394	0.00168785	0.99781596
395	0.00099989	0.99881586
396	0.00056812	0.99938398
397	0.0003091	0.99969308
398	0.00016076	0.99985385
399	0.00007978	0.99993362
400	0.0000377	0.99997132
401	0.00001692	0.99998824
402	0.0000072	0.99999544
403	0.00000289	0.99999833
404	0.0000011	0.99999943
405	3.9e-7	0.99999981
406	1.3e-7	0.99999994
407	4e-8	0.99999998
408	1e-8	1
409	0	1
...	...	...
420	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.9</b>	<b>n = 420</b>
Erwartungswert: $\mu = 378$		
Standardabweichung: $\sigma = 6.148$		

$1\sigma$ -Intervall: $p(372 \leq X \leq 384) = 0.71000573$
$2\sigma$ -Intervall: $p(366 \leq X \leq 390) = 0.95851948$
$3\sigma$ -Intervall: $p(360 \leq X \leq 396) = 0.99728549$

p = 0.9		n = 430
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
347	0	0
348	1e-8	1e-8
349	1e-8	2e-8
350	3e-8	5e-8
351	5e-8	1e-7
352	1e-7	2e-7
353	2.1e-7	4.1e-7
354	4e-7	8.1e-7
355	7.8e-7	0.00000159
356	0.00000148	0.00000307
357	0.00000275	0.00000582
358	0.00000505	0.00001088
359	0.00000912	0.00002
360	0.0000162	0.0000362
361	0.00002826	0.00006446
362	0.00004848	0.00011294
363	0.00008174	0.00019469
364	0.00013541	0.0003301
365	0.00022037	0.00055047
366	0.00035223	0.00090271
367	0.00055283	0.00145554
368	0.00085177	0.00230731
369	0.00128805	0.00359536
370	0.00191118	0.00550654
371	0.00278178	0.00828832
372	0.00397076	0.01225908
373	0.00555694	0.01781602
374	0.00762222	0.02543823
375	0.01024426	0.03568249
376	0.01348646	0.04916895
377	0.01738573	0.06655468
378	0.02193913	0.08849381
379	0.02709106	0.11558487
380	0.03272315	0.14830803
381	0.03864939	0.18695742
382	0.0446188	0.23157623

383	0.05032721	0.28190344
384	0.05543857	0.33734201
385	0.05961447	0.39695648
386	0.06254886	0.45950534
387	0.06400348	0.52350882
388	0.06383852	0.58734734
389	0.06203332	0.64938066
390	0.05869306	0.70807372
391	0.05403965	0.76211337
392	0.04838754	0.81050092
393	0.04210824	0.85260916
394	0.03558895	0.88819811
395	0.02919195	0.91739006
396	0.02322087	0.94061093
397	0.0178982	0.95850912
398	0.01335619	0.97186532
399	0.00964056	0.98150588
400	0.00672429	0.98823017
401	0.00452758	0.99275775
402	0.00293955	0.9956973
403	0.00183813	0.99753542
404	0.00110561	0.99864103
405	0.0006388	0.99927983
406	0.00035401	0.99963384
407	0.00018788	0.99982172
408	0.00009532	0.99991704
409	0.00004615	0.99996318
410	0.00002127	0.99998446
411	0.00000932	0.99999377
412	0.00000387	0.99999764
413	0.00000152	0.99999916
414	5.6e-7	0.99999972
415	1.9e-7	0.99999991
416	6e-8	0.99999997
417	2e-8	0.99999999
418	1e-8	1
419	0	1
...	...	...
430	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 430</b>
Erwartungswert: $\mu = 387$		
Standardabweichung: $\sigma = 6.221$		
1 $\sigma$ -Intervall: $p(381 \leq X \leq 393) = 0.70430113$		
2 $\sigma$ -Intervall: $p(375 \leq X \leq 399) = 0.95606765$		

3 $\sigma$ -Intervall:  
 $p(369 \leq X \leq 405) = 0.99697252$

p = 0.9		n = 440
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
355	0	0
356	0	1e-8
357	1e-8	1e-8
358	2e-8	3e-8
359	3e-8	6e-8
360	7e-8	1.3e-7
361	1.3e-7	2.6e-7
362	2.6e-7	5.2e-7
363	5e-7	0.00000103
364	9.6e-7	0.00000199
365	0.0000018	0.00000378
366	0.00000332	0.0000071
367	0.00000602	0.00001311
368	0.00001074	0.00002385
369	0.00001886	0.00004272
370	0.00003257	0.00007529
371	0.00005531	0.0001306
372	0.00009234	0.00022294
373	0.0001515	0.00037444
374	0.00024427	0.00061871
375	0.00038692	0.00100562
376	0.00060199	0.00160761
377	0.00091974	0.00252735
378	0.00137962	0.00390697
379	0.0020312	0.00593817
380	0.00293456	0.00887273
381	0.00415921	0.01303194
382	0.00578152	0.01881347
383	0.00787978	0.02669324
384	0.01052689	0.03722013
385	0.01378066	0.05100079
386	0.01767209	0.06867288
387	0.02219285	0.09086573
388	0.02728348	0.11814921
389	0.03282434	0.15097356
390	0.03863173	0.18960528
391	0.04446107	0.23406635
392	0.0500187	0.28408505
393	0.05498239	0.33906743
394	0.05902931	0.39809675

395	0.0618687	0.45996545
396	0.06327481	0.52324025
397	0.06311542	0.58635568
398	0.06137103	0.6477267
399	0.05814097	0.70586768
400	0.05363505	0.75950272
401	0.04815117	0.80765389
402	0.04204244	0.84969633
403	0.03567869	0.88537502
404	0.02940843	0.91478344
405	0.02352674	0.93831019
406	0.01825351	0.95656369
407	0.01372377	0.97028746
408	0.00999009	0.98027755
409	0.00703459	0.98731214
410	0.00478695	0.99209909
411	0.00314471	0.99524381
412	0.00199216	0.99723597
413	0.00121556	0.99845152
414	0.00071348	0.999165
415	0.0004023	0.9995673
416	0.00021759	0.99978489
417	0.00011271	0.9998976
418	0.00005581	0.99995341
419	0.00002638	0.99997979
420	0.00001187	0.99999166
421	0.00000507	0.99999673
422	0.00000206	0.99999879
423	7.9e-7	0.99999958
424	2.8e-7	0.99999986
425	1e-7	0.99999996
426	3e-8	0.99999999
427	1e-8	1
428	0	1
...	...	...
440	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 440</b>
Erwartungswert: $\mu = 396$		
Standardabweichung: $\sigma = 6.293$		
1 $\sigma$ -Intervall: $p(390 \leq X \leq 402) = 0.69872277$		
2 $\sigma$ -Intervall: $p(384 \leq X \leq 408) = 0.95358431$		
3 $\sigma$ -Intervall: $p(378 \leq X \leq 414) = 0.99663765$		

p = 0.9		n = 450
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
364	0	0
365	0	1e-8
366	1e-8	2e-8
367	2e-8	4e-8
368	4e-8	8e-8
369	9e-8	1.7e-7
370	1.7e-7	3.4e-7
371	3.3e-7	6.6e-7
372	6.2e-7	0.00000128
373	0.00000117	0.00000246
374	0.00000217	0.00000463
375	0.00000396	0.00000859
376	0.00000711	0.0000157
377	0.00001256	0.00002826
378	0.00002183	0.00005009
379	0.00003732	0.00008741
380	0.00006276	0.00015017
381	0.00010378	0.00025395
382	0.00016871	0.00042266
383	0.00026958	0.00069225
384	0.00042333	0.00111558
385	0.00065314	0.00176872
386	0.00098986	0.00275859
387	0.00147329	0.00423187
388	0.00215297	0.00638485
389	0.00308833	0.00947317
390	0.00434741	0.01382059
391	0.0060041	0.01982469
392	0.00813311	0.02795779
393	0.01080275	0.03876054
394	0.01406551	0.05282605
395	0.01794688	0.07077293
396	0.0224336	0.09320653
397	0.02746279	0.12066933
398	0.03291395	0.15358328
399	0.03860584	0.19218912
400	0.0443002	0.23648932
401	0.04971344	0.28620276
402	0.05453639	0.34073915
403	0.05846084	0.39919999
404	0.06121024	0.46041022
405	0.06257046	0.52298069
406	0.06241635	0.58539704



407	0.06072942	0.64612646
408	0.05760364	0.70373011
409	0.0532376	0.7569677
410	0.04791384	0.80488154
411	0.04196832	0.84684986
412	0.03575457	0.88260443
413	0.0296079	0.91221233
414	0.02381505	0.93602738
415	0.01859295	0.95462033
416	0.0140788	0.96869913
417	0.01033121	0.97903034
418	0.00734059	0.98637093
419	0.00504556	0.99141649
420	0.0033517	0.99476819
421	0.00214954	0.99691773
422	0.00132946	0.99824719
423	0.00079202	0.99903921
424	0.00045392	0.99949312
425	0.00024992	0.99974304
426	0.000132	0.99987504
427	0.00006677	0.99994181
428	0.00003229	0.99997411
429	0.00001491	0.99998901
430	0.00000655	0.99999557
431	0.00000274	0.9999983
432	0.00000108	0.99999938
433	4.1e-7	0.99999979
434	1.4e-7	0.99999993
435	5e-8	0.99999998
436	1e-8	0.99999999
437	0	1
...	...	...
450	0	1

k	p(X=k)	p(x≤k)
<b>p = 0.9</b>		<b>n = 450</b>
Erwartungswert: $\mu = 405$		
Standardabweichung: $\sigma = 6.364$		
1σ-Intervall: $p(399 \leq X \leq 411) = 0.69326658$		
2σ-Intervall: $p(393 \leq X \leq 417) = 0.95107254$		
3σ-Intervall: $p(386 \leq X \leq 424) = 0.9977244$		

<b>p = 0.9</b>		<b>n = 460</b>
k	p(X=k)	p(x≤k)
0	0	0

...	...	...
372	0	0
373	0	1e-8
374	1e-8	1e-8
375	1e-8	3e-8
376	3e-8	5e-8
377	5e-8	1.1e-7
378	1.1e-7	2.2e-7
379	2.1e-7	4.3e-7
380	4e-7	8.3e-7
381	7.6e-7	0.00000159
382	0.00000142	0.00000301
383	0.0000026	0.00000562
384	0.0000047	0.00001031
385	0.00000835	0.00001866
386	0.0000146	0.00003326
387	0.00002512	0.00005838
388	0.00004253	0.00010091
389	0.00007085	0.00017176
390	0.00011609	0.00028786
391	0.00018705	0.00047491
392	0.00029632	0.00077123
393	0.00046145	0.00123268
394	0.00070623	0.00193892
395	0.00106203	0.00300095
396	0.00156891	0.00456985
397	0.0022763	0.00684615
398	0.00324287	0.01008902
399	0.00453514	0.01462417
400	0.00622448	0.02084865
401	0.00838209	0.02923074
402	0.01107187	0.04030261
403	0.01434123	0.05464385
404	0.01821053	0.07285437
405	0.02266199	0.09551636
406	0.02762976	0.12314612
407	0.03299279	0.15613891
408	0.03857245	0.19471136
409	0.04413669	0.23884806
410	0.04941157	0.28825962
411	0.05410025	0.34235987
412	0.05790828	0.40026816
413	0.06057234	0.4608405
414	0.06188913	0.52272963
415	0.06174	0.58446964
416	0.06010745	0.64457709
417	0.05708046	0.70165755

418	0.05284722	0.75450477
419	0.04767601	0.80218078
420	0.04188678	0.84406757
421	0.03581768	0.87988524
422	0.02979148	0.90967672
423	0.02408673	0.93376345
424	0.01891717	0.95268062
425	0.01442156	0.96710218
426	0.01066383	0.97776601
427	0.007642	0.98540801
428	0.00530297	0.99071098
429	0.00356004	0.99427102
430	0.00230989	0.99658091
431	0.00144703	0.99802793
432	0.00087425	0.99890218
433	0.0005088	0.99941098
434	0.00028488	0.99969586
435	0.00015325	0.99984911
436	0.00007908	0.99992819
437	0.00003909	0.99996728
438	0.00001847	0.99998575
439	0.00000833	0.99999408
440	0.00000358	0.99999766
441	0.00000146	0.99999912
442	5.7e-7	0.99999969
443	2.1e-7	0.9999999
444	7e-8	0.99999997
445	2e-8	0.99999999
446	1e-8	1
447	0	1
...	...	...
460	0	1

k	p(X=k)	p(x≤k)
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<b>p = 0.9</b>	<b>n = 460</b>
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Erwartungswert: $\mu = 414$
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Standardabweichung: $\sigma = 6.434$
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1σ-Intervall: $p(408 \leq X \leq 420) = 0.68792866$
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2σ-Intervall: $p(402 \leq X \leq 426) = 0.94853527$
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3σ-Intervall: $p(395 \leq X \leq 433) = 0.99747206$
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<b>p = 0.9</b>	<b>n = 470</b>
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k	p(X=k)	p(x≤k)
---	--------	--------

0	0	0
---	---	---

...	...	...
381	0	0
382	0	1e-8
383	1e-8	2e-8
384	2e-8	3e-8
385	4e-8	7e-8
386	7e-8	1.4e-7
387	1.4e-7	2.7e-7
388	2.6e-7	5.4e-7
389	5e-7	0.00000103
390	9.3e-7	0.00000196
391	0.00000171	0.00000367
392	0.0000031	0.00000677
393	0.00000554	0.00001231
394	0.00000974	0.00002205
395	0.00001686	0.00003891
396	0.00002875	0.00006766
397	0.00004822	0.00011588
398	0.00007961	0.00019549
399	0.00012928	0.00032477
400	0.00020653	0.0005313
401	0.00032448	0.00085578
402	0.00050124	0.00135702
403	0.00076119	0.00211822
404	0.00113614	0.00325435
405	0.00166634	0.00492069
406	0.002401	0.00732169
407	0.00339798	0.01071967
408	0.00472219	0.01544186
409	0.0064425	0.02188436
410	0.00862666	0.03051102
411	0.0113343	0.04184532
412	0.01460804	0.05645337
413	0.01846344	0.0749168
414	0.0228786	0.09779541
415	0.0277851	0.12558051
416	0.0330616	0.1586421
417	0.03853222	0.19717433
418	0.04397098	0.24114531
419	0.04911317	0.29025848
420	0.05367368	0.34393216
421	0.05737092	0.40130308
422	0.05995397	0.46125704
423	0.06122958	0.52248663
424	0.06108518	0.5835718
425	0.05950415	0.64307595
426	0.05657084	0.69964679

427	0.05246383	0.75211062
428	0.04743809	0.79954871
429	0.04179859	0.8413473
430	0.03586903	0.87721633
431	0.02996021	0.90717654
432	0.02434267	0.9315192
433	0.01922677	0.95074598
434	0.01475234	0.96549832
435	0.01098795	0.97648627
436	0.00793854	0.98442481
437	0.0055588	0.9899836
438	0.00376932	0.99375292
439	0.00247281	0.99622573
440	0.00156799	0.99779372
441	0.00095999	0.99875371
442	0.00056687	0.99932059
443	0.00032247	0.99964305
444	0.00017648	0.99981954
445	0.0000928	0.99991234
446	0.00004682	0.99995916
447	0.00002262	0.99998178
448	0.00001045	0.99999223
449	0.00000461	0.99999684
450	0.00000194	0.99999878
451	7.7e-7	0.99999955
452	2.9e-7	0.99999984
453	1e-7	0.99999995
454	4e-8	0.99999998
455	1e-8	1
456	0	1
...	...	...
470	0	1

k	p(X=k)	p(x≤k)
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<b>p = 0.9</b>	<b>n = 470</b>
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Erwartungswert: $\mu = 423$
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Standardabweichung: $\sigma = 6.504$
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1σ-Intervall: $p(417 \leq X \leq 429) = 0.6827052$
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2σ-Intervall: $p(410 \leq X \leq 436) = 0.96254045$
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3σ-Intervall: $p(404 \leq X \leq 442) = 0.99720237$
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<b>p = 0.9</b>	<b>n = 480</b>
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k	p(X=k)	p(x≤k)
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0	0	0
---	---	---

...	...	...
390	0	0
391	1e-8	1e-8
392	1e-8	2e-8
393	2e-8	4e-8
394	4e-8	9e-8
395	9e-8	1.8e-7
396	1.7e-7	3.5e-7
397	3.2e-7	6.7e-7
398	6.1e-7	0.00000127
399	0.00000112	0.0000024
400	0.00000204	0.00000444
401	0.00000367	0.0000081
402	0.00000649	0.00001459
403	0.0000113	0.00002589
404	0.00001938	0.00004526
405	0.00003273	0.00007799
406	0.00005441	0.0001324
407	0.00008904	0.00022144
408	0.00014337	0.00036481
409	0.00022715	0.00059197
410	0.00035403	0.00094599
411	0.00054267	0.00148867
412	0.00081796	0.00230663
413	0.00121209	0.00351871
414	0.00176543	0.00528414
415	0.0025269	0.00781104
416	0.00355346	0.0113645
417	0.00490837	0.01627287
418	0.00665801	0.02293087
419	0.00886675	0.03179762
420	0.01159011	0.04338773
421	0.01486617	0.05825389
422	0.01870601	0.0769599
423	0.02308401	0.10004391
424	0.02792947	0.12797339
425	0.03312107	0.16109446
426	0.03848575	0.19958021
427	0.04380345	0.24338366
428	0.04881834	0.292202
429	0.05325637	0.34545836
430	0.05684807	0.40230643
431	0.05935414	0.46166057
432	0.06059068	0.52225125
433	0.06045075	0.582702
434	0.05891859	0.64162059
435	0.05607424	0.69769484

436	0.05208731	0.74978215
437	0.0472004	0.79698255
438	0.04170446	0.83868701
439	0.03590954	0.87459655
440	0.03011505	0.9047116
441	0.02458371	0.92929531
442	0.01952236	0.94881767
443	0.01507144	0.9638891
444	0.01130358	0.97519268
445	0.00823002	0.9834227
446	0.00581268	0.98923539
447	0.00397915	0.99321454
448	0.00263796	0.9958525
449	0.00169206	0.99754456
450	0.00104908	0.99859364
451	0.00062805	0.99922168
452	0.00036266	0.99958434
453	0.00020174	0.99978608
454	0.00010798	0.99989407
455	0.00005553	0.9999496
456	0.0000274	0.999977
457	0.00001295	0.99998995
458	0.00000585	0.99999581
459	0.00000253	0.99999833
460	0.00000104	0.99999937
461	4.1e-7	0.99999977
462	1.5e-7	0.99999992
463	5e-8	0.99999998
464	2e-8	0.99999999
465	1e-8	1
466	0	1
...	...	...
480	0	1

k	p(X=k)	p(x≤k)
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<b>p = 0.9</b>	<b>n = 480</b>
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Erwartungswert: $\mu = 432$
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Standardabweichung: $\sigma = 6.573$
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1σ-Intervall: $p(426 \leq X \leq 438) = 0.67759256$
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2σ-Intervall: $p(419 \leq X \leq 445) = 0.96049183$
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3σ-Intervall: $p(413 \leq X \leq 451) = 0.99691506$
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<b>p = 0.9</b>	<b>n = 490</b>
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k	p(X=k)	p(x≤k)
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0	0	0
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...	...	...
398	0	0
399	0	1e-8
400	1e-8	1e-8
401	1e-8	3e-8
402	3e-8	6e-8
403	6e-8	1.1e-7
404	1.1e-7	2.2e-7
405	2.1e-7	4.3e-7
406	4e-7	8.3e-7
407	7.3e-7	0.00000156
408	0.00000134	0.00000291
409	0.00000242	0.00000533
410	0.00000431	0.00000964
411	0.00000755	0.00001719
412	0.00001303	0.00003022
413	0.00002215	0.00005237
414	0.00003708	0.00008945
415	0.00006111	0.00015056
416	0.00009916	0.00024972
417	0.00015837	0.00040809
418	0.00024892	0.00065701
419	0.00038497	0.00104198
420	0.0005857	0.00162768
421	0.00087646	0.00250414
422	0.00128977	0.0037939
423	0.00186605	0.00565995
424	0.00265383	0.00831378
425	0.00370912	0.0120229
426	0.00509351	0.01711642
427	0.00687087	0.02398729
428	0.0091023	0.03308959
429	0.01183936	0.04492895
430	0.01511583	0.06004479
431	0.01893863	0.07898342
432	0.02327874	0.10226216
433	0.02806351	0.13032567
434	0.03317184	0.16349751
435	0.03843359	0.2019311
436	0.04363446	0.24556556
437	0.04852711	0.29409267
438	0.05284802	0.34694069
439	0.05633912	0.40327981
440	0.05877194	0.46205175
441	0.05997137	0.52202312
442	0.05983569	0.58185881
443	0.05834993	0.64020874



444	0.05559013	0.69579887
445	0.05171756	0.74751643
446	0.04696326	0.79447969
447	0.04160503	0.83608472
448	0.03594006	0.87202479
449	0.03025689	0.90228168
450	0.02481065	0.92709233
451	0.01980451	0.94689684
452	0.01537917	0.962276
453	0.01161076	0.97388676
454	0.00851626	0.98240302
455	0.00606433	0.98846735
456	0.00418917	0.99265653
457	0.002805	0.99546153
458	0.00181897	0.9972805
459	0.00114131	0.99842181
460	0.00069223	0.99911404
461	0.00040543	0.99951947
462	0.00022904	0.99974851
463	0.00012466	0.99987317
464	0.00006529	0.99993846
465	0.00003285	0.99997131
466	0.00001586	0.99998717
467	0.00000734	0.99999451
468	0.00000325	0.99999775
469	0.00000137	0.99999912
470	5.5e-7	0.99999968
471	2.1e-7	0.99999989
472	8e-8	0.99999996
473	3e-8	0.99999999
474	1e-8	1
475	0	1
...	...	...
490	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.9</b>		<b>n = 490</b>
Erwartungswert: $\mu = 441$		
Standardabweichung: $\sigma = 6.641$		
1 $\sigma$ -Intervall: $p(435 \leq X \leq 447) = 0.67258721$		
2 $\sigma$ -Intervall: $p(428 \leq X \leq 454) = 0.95841573$		
3 $\sigma$ -Intervall: $p(422 \leq X \leq 460) = 0.9966099$		

p = 0.9		n = 500
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
407	0	0
408	0	1e-8
409	1e-8	2e-8
410	2e-8	4e-8
411	4e-8	7e-8
412	7e-8	1.4e-7
413	1.4e-7	2.8e-7
414	2.6e-7	5.4e-7
415	4.8e-7	0.00000102
416	8.8e-7	0.0000019
417	0.0000016	0.0000035
418	0.00000286	0.00000636
419	0.00000504	0.0000114
420	0.00000874	0.00002014
421	0.00001495	0.0000351
422	0.0000252	0.00006029
423	0.00004181	0.00010211
424	0.00006834	0.00017045
425	0.00010999	0.00028044
426	0.00017428	0.00045472
427	0.00027183	0.00072655
428	0.00041727	0.00114381
429	0.00063028	0.00177409
430	0.00093662	0.00271072
431	0.00136908	0.0040798
432	0.00196805	0.00604785
433	0.00278164	0.00882949
434	0.00386481	0.01269429
435	0.00527746	0.01797175
436	0.007081	0.02505275
437	0.0093333	0.03438605
438	0.01208215	0.04646821
439	0.01535727	0.06182548
440	0.01916169	0.08098716
441	0.02346329	0.10445045
442	0.0281878	0.13263825
443	0.03321451	0.16585276
444	0.03837623	0.20422899
445	0.04346431	0.2476933
446	0.04823954	0.29593284
447	0.05244836	0.3483812
448	0.05584345	0.40422465
449	0.05820654	0.46243119

450	0.05937067	0.52180186
451	0.05923903	0.58104089
452	0.05779737	0.63883826
453	0.05511802	0.69395628
454	0.05135446	0.74531074
455	0.04672691	0.79203765
456	0.04150088	0.83353853
457	0.03596137	0.8694999
458	0.03038657	0.89988647
459	0.02502424	0.92491071
460	0.02007379	0.9449845
461	0.01567584	0.96066035
462	0.01190957	0.97256992
463	0.00879713	0.98136705
464	0.00631346	0.98768051
465	0.00439906	0.99207957
466	0.00297361	0.99505318
467	0.00194845	0.99700163
468	0.00123651	0.99823814
469	0.00075931	0.99899745
470	0.00045074	0.99944819
471	0.00025839	0.99970657
472	0.00014288	0.99984945
473	0.00007612	0.99992557
474	0.00003902	0.9999646
475	0.00001922	0.99998382
476	0.00000909	0.99999291
477	0.00000411	0.99999703
478	0.00000178	0.99999881
479	7.4e-7	0.99999954
480	2.9e-7	0.99999983
481	1.1e-7	0.99999994
482	4e-8	0.99999998
483	1e-8	0.99999999
484	0	1
...	...	...
500	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.9</b>	<b>n = 500</b>
Erwartungswert: $\mu = 450$		
Standardabweichung: $\sigma = 6.708$		
1 $\sigma$ -Intervall: $p(444 \leq X \leq 456) = 0.66768577$		
2 $\sigma$ -Intervall: $p(437 \leq X \leq 463) = 0.9563143$		
3 $\sigma$ -Intervall: $p(430 \leq X \leq 470) = 0.9976741$		

