

# Mathematik > Wahrscheinlichkeitstafeln > Binomialverteilung

## Wahrscheinlichkeitstafel: Binomialverteilung B(100, 0.8) bis B(500, 0.8) (Schrittweite 10)

100- bis 500-malig durchgeführtes Bernoulli-Experiment (T = Treffer, N = Nichttreffer) mit Trefferwahrscheinlichkeit  $p = 0.8$ , 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 = 0.8		n = 100
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
54	0	0
55	1e-8	1e-8
56	3e-8	5e-8
57	1e-7	1.5e-7
58	3e-7	4.4e-7
59	8.5e-7	0.00000129
60	0.00000232	0.00000361
61	0.00000608	0.00000968
62	0.00001529	0.00002497
63	0.00003688	0.00006185
64	0.00008529	0.00014714
65	0.00018895	0.00033609
66	0.0004008	0.00073688
67	0.00081356	0.00155044
68	0.00157926	0.0031297
69	0.00292964	0.00605934
70	0.00518964	0.01124898
71	0.00877123	0.02002021
72	0.01413142	0.03415163
73	0.02168109	0.05583272
74	0.03164267	0.08747538
75	0.04387783	0.13135322
76	0.05773399	0.18908721
77	0.07198004	0.26106725
78	0.08489953	0.34596678
79	0.09457163	0.44053842
80	0.09930021	0.53983863
81	0.09807429	0.63791292
82	0.09089812	0.72881104
83	0.07885138	0.80766242
84	0.06383207	0.87149449
85	0.04806179	0.91955628
86	0.03353148	0.95308776
87	0.02158348	0.97467125
88	0.01275388	0.98742512
89	0.0068785	0.99430362

90	0.00336282	0.99766644
91	0.00147816	0.9991446
92	0.00057841	0.99972301
93	0.00019902	0.99992204
94	0.00005928	0.99998132
95	0.00001498	0.9999963
96	0.00000312	0.99999942
97	5.1e-7	0.99999993
98	6e-8	0.99999999
99	1e-8	1
100	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.8</b>	<b>n = 100</b>
Erwartungswert: $\mu = 80$		
Standardabweichung: $\sigma = 4$		
1 $\sigma$ -Intervall: $p(76 \leq X \leq 84) = 0.74014127$		
2 $\sigma$ -Intervall: $p(72 \leq X \leq 88) = 0.96740492$		
3 $\sigma$ -Intervall: $p(68 \leq X \leq 92) = 0.99817257$		

	<b>p = 0.8</b>	<b>n = 110</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
60	0	0
61	0	1e-8
62	1e-8	2e-8
63	3e-8	5e-8
64	1e-7	1.5e-7
65	2.8e-7	4.4e-7
66	7.8e-7	0.00000121
67	0.00000204	0.00000325
68	0.00000515	0.0000084
69	0.00001255	0.00002095
70	0.0000294	0.00005035
71	0.00006626	0.00011661
72	0.00014356	0.00026017
73	0.00029891	0.00055908
74	0.00059782	0.0011569
75	0.00114782	0.00230471
76	0.0021144	0.00441911
77	0.00373452	0.00815363
78	0.00631996	0.01447359
79	0.01023993	0.02471352

80	0.01587189	0.04058541
81	0.02351391	0.06409932
82	0.03326358	0.0973629
83	0.0448858	0.1422487
84	0.05771031	0.19995902
85	0.07061027	0.27056929
86	0.08210496	0.35267425
87	0.09059858	0.44327283
88	0.0947167	0.53798952
89	0.09365246	0.63164198
90	0.08740897	0.71905095
91	0.07684305	0.795894
92	0.06347904	0.85937303
93	0.04914506	0.9085181
94	0.03555175	0.94406984
95	0.02395065	0.96802049
96	0.01496916	0.98298965
97	0.00864199	0.99163164
98	0.00458554	0.99621718
99	0.00222329	0.99844048
100	0.00097825	0.99941873
101	0.00038743	0.99980615
102	0.00013674	0.99994289
103	0.00004248	0.99998537
104	0.00001144	0.99999681
105	0.00000261	0.99999942
106	4.9e-7	0.99999992
107	7e-8	0.99999999
108	1e-8	1
109	0	1
110	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 110</b>
Erwartungswert: $\mu = 88$		
Standardabweichung: $\sigma = 4.195$		
1 $\sigma$ -Intervall: $p(84 \leq X \leq 92) = 0.71712433$		
2 $\sigma$ -Intervall: $p(80 \leq X \leq 96) = 0.95827614$		
3 $\sigma$ -Intervall: $p(76 \leq X \leq 100) = 0.99711401$		

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<b>p = 0.8</b>		<b>n = 120</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...

67	0	0
68	0	1e-8
69	1e-8	2e-8
70	3e-8	5e-8
71	1e-7	1.5e-7
72	2.6e-7	4.1e-7
73	6.9e-7	0.00000109
74	0.00000174	0.00000284
75	0.00000428	0.00000711
76	0.00001013	0.00001724
77	0.00002315	0.00004039
78	0.00005105	0.00009144
79	0.00010856	0.0002
80	0.00022255	0.00042255
81	0.0004396	0.00086214
82	0.00083631	0.00169845
83	0.00153155	0.00323
84	0.00269844	0.00592844
85	0.00457148	0.01049993
86	0.00744195	0.01794187
87	0.01163339	0.02957526
88	0.01745008	0.04702535
89	0.02509675	0.0721221
90	0.03457775	0.10669985
91	0.04559703	0.15229687
92	0.0574919	0.20978878
93	0.06923756	0.27902634
94	0.07954954	0.35857588
95	0.08708581	0.44566169
96	0.09071439	0.53637608
97	0.08977919	0.62615527
98	0.0842825	0.71043777
99	0.07491778	0.78535555
100	0.06293094	0.84828649
101	0.04984629	0.89813277
102	0.03714037	0.93527314
103	0.0259622	0.96123534
104	0.01697528	0.97821063
105	0.01034684	0.98855747
106	0.0058567	0.99441417
107	0.00306519	0.99747936
108	0.00147583	0.99895519
109	0.00064991	0.9996051
110	0.00025996	0.99986506
111	0.00009368	0.99995874
112	0.00003011	0.99998885
113	0.00000853	0.99999738

114	0.00000209	0.99999948
115	4.4e-7	0.99999991
116	8e-8	0.99999999
117	1e-8	1
118	0	1
...	...	...
120	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 120</b>
Erwartungswert: $\mu = 96$		
Standardabweichung: $\sigma = 4.382$		
1 $\sigma$ -Intervall: $p(92 \leq X \leq 100) = 0.69598961$		
2 $\sigma$ -Intervall: $p(88 \leq X \leq 104) = 0.94863536$		
3 $\sigma$ -Intervall: $p(83 \leq X \leq 109) = 0.99790665$		

<b>p = 0.8</b>		<b>n = 130</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
74	0	0
75	0	1e-8
76	1e-8	2e-8
77	3e-8	5e-8
78	9e-8	1.4e-7
79	2.3e-7	3.7e-7
80	5.9e-7	9.6e-7
81	0.00000146	0.00000242
82	0.00000349	0.00000591
83	0.00000807	0.00001398
84	0.00001806	0.00003203
85	0.00003909	0.00007113
86	0.00008182	0.00015294
87	0.00016552	0.00031846
88	0.00032351	0.00064197
89	0.00061067	0.00125265
90	0.00111278	0.00236543
91	0.00195654	0.00432198
92	0.00331762	0.00763959
93	0.00542234	0.01306194
94	0.00853731	0.02159924
95	0.01294076	0.03454
96	0.01887194	0.05341194
97	0.02645962	0.07987156

98	0.03563949	0.11551106
99	0.04607935	0.1615904
100	0.05713839	0.21872879
101	0.0678872	0.28661599
102	0.07720505	0.36382103
103	0.08395112	0.44777215
104	0.08718001	0.53495216
105	0.08634972	0.62130188
106	0.081462	0.70276388
107	0.0730874	0.77585128
108	0.06225964	0.83811092
109	0.05026466	0.88837559
110	0.03838392	0.92675951
111	0.02766409	0.9544236
112	0.01877206	0.97319566
113	0.01196096	0.98515662
114	0.00713461	0.99229123
115	0.00397056	0.99626179
116	0.00205374	0.99831553
117	0.00098299	0.99929852
118	0.00043318	0.9997317
119	0.00017473	0.99990643
120	0.00006407	0.99997049
121	0.00002118	0.99999167
122	0.00000625	0.99999792
123	0.00000163	0.99999955
124	3.7e-7	0.99999992
125	7e-8	0.99999999
126	1e-8	1
127	0	1
...	...	...
130	0	1

k	p(X=k)	p(x≤k)
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<b>p = 0.8</b>	<b>n = 130</b>
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Erwartungswert: $\mu = 104$
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Standardabweichung: $\sigma = 4.561$
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1 $\sigma$ -Intervall: $p(100 \leq X \leq 108) = 0.67652052$
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2 $\sigma$ -Intervall: $p(95 \leq X \leq 113) = 0.96355738$
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3 $\sigma$ -Intervall: $p(91 \leq X \leq 117) = 0.99693309$
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<b>p = 0.8</b>	<b>n = 140</b>
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k	p(X=k)	p(x≤k)
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0	0	0
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...	...	...
81	0	0
82	0	1e-8
83	1e-8	2e-8
84	3e-8	5e-8
85	8e-8	1.3e-7
86	2e-7	3.3e-7
87	5e-7	8.2e-7
88	0.0000012	0.00000203
89	0.00000281	0.00000483
90	0.00000636	0.0000112
91	0.00001399	0.00002518
92	0.0000298	0.00005498
93	0.00006151	0.00011649
94	0.00012303	0.00023952
95	0.00023829	0.00047781
96	0.00044678	0.00092459
97	0.00081066	0.00173525
98	0.00142279	0.00315805
99	0.00241444	0.00557248
100	0.00395968	0.00953216
101	0.00627276	0.01580492
102	0.00959363	0.02539854
103	0.01415759	0.03955613
104	0.02014733	0.05970346
105	0.02763063	0.08733409
106	0.03649328	0.12382737
107	0.04638399	0.17021136
108	0.05669154	0.2269029
109	0.06657355	0.29347644
110	0.07504655	0.36852299
111	0.0811314	0.44965439
112	0.08402895	0.53368334
113	0.08328533	0.61696867
114	0.07890189	0.69587057
115	0.07135476	0.76722532
116	0.06151272	0.82873804
117	0.05047198	0.87921002
118	0.03935103	0.91856105
119	0.02909992	0.94766097
120	0.02036995	0.96803092
121	0.01346773	0.98149865
122	0.00838974	0.98988839
123	0.00491106	0.99479945
124	0.00269316	0.99749262
125	0.0013789	0.99887152
126	0.00065662	0.99952814

127	0.00028953	0.99981767
128	0.00011762	0.99993529
129	0.00004377	0.99997906
130	0.00001481	0.99999387
131	0.00000452	0.99999839
132	0.00000123	0.99999963
133	3e-7	0.99999993
134	6e-8	0.99999999
135	1e-8	1
136	0	1
...	...	...
140	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 140</b>
Erwartungswert: $\mu = 112$		
Standardabweichung: $\sigma = 4.733$		
1σ-Intervall: $p(108 \leq X \leq 116) = 0.65852669$		
2σ-Intervall: $p(103 \leq X \leq 121) = 0.95610011$		
3σ-Intervall: $p(98 \leq X \leq 126) = 0.99779288$		

<b>p = 0.8</b>		<b>n = 150</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
88	0	0
89	0	1e-8
90	1e-8	2e-8
91	3e-8	4e-8
92	7e-8	1.1e-7
93	1.7e-7	2.8e-7
94	4.1e-7	7e-7
95	9.8e-7	0.00000167
96	0.00000224	0.00000391
97	0.00000498	0.00000889
98	0.00001077	0.00001966
99	0.00002263	0.00004229
100	0.00004617	0.00008845
101	0.00009142	0.00017987
102	0.00017566	0.00035553
103	0.00032745	0.00068298
104	0.00059192	0.0012749
105	0.00103728	0.00231218
106	0.00176141	0.00407359



107	0.00289728	0.00697087
108	0.00461419	0.01158506
109	0.00711177	0.01869683
110	0.01060301	0.02929984
111	0.01528362	0.04458346
112	0.02128789	0.06587135
113	0.02863504	0.09450639
114	0.03717532	0.13168171
115	0.04654996	0.17823167
116	0.05618099	0.23441266
117	0.0653044	0.29971706
118	0.07305238	0.37276943
119	0.07857735	0.45134678
120	0.08119659	0.53254337
121	0.08052555	0.61306892
122	0.07656527	0.68963419
123	0.06971797	0.75935216
124	0.0607221	0.82007427
125	0.05052079	0.87059506
126	0.04009587	0.91069092
127	0.03030869	0.94099961
128	0.02178437	0.96278398
129	0.01486065	0.97764463
130	0.00960227	0.9872469
131	0.00586398	0.99311088
132	0.00337623	0.99648711
133	0.00182773	0.99831485
134	0.00092751	0.99924235
135	0.00043971	0.99968206
136	0.00019399	0.99987605
137	0.00007929	0.99995534
138	0.00002988	0.99998522
139	0.00001032	0.99999554
140	0.00000324	0.99999878
141	9.2e-7	0.9999997
142	2.3e-7	0.99999994
143	5e-8	0.99999999
144	1e-8	1
145	0	1
...	...	...
150	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.8</b>	<b>n = 150</b>
Erwartungswert: $\mu = 120$		
Standardabweichung: $\sigma = 4.899$		
$1\sigma$ -Intervall: $p(116 \leq X \leq 124) = 0.64184259$		

$2\sigma$ -Intervall: $p(111 \leq X \leq 129) = 0.94834479$
$3\sigma$ -Intervall: $p(106 \leq X \leq 134) = 0.99693017$

<b>p = 0.8</b>		<b>n = 160</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
95	0	0
96	0	1e-8
97	1e-8	1e-8
98	2e-8	4e-8
99	6e-8	1e-7
100	1.4e-7	2.4e-7
101	3.4e-7	5.8e-7
102	7.8e-7	0.00000136
103	0.00000177	0.00000313
104	0.00000387	0.000007
105	0.00000826	0.00001526
106	0.00001714	0.0000324
107	0.0000346	0.000067
108	0.00006792	0.00013491
109	0.00012961	0.00026452
110	0.00024036	0.00050488
111	0.00043308	0.00093796
112	0.00075789	0.00169585
113	0.00128775	0.0029836
114	0.00212365	0.00510725
115	0.00339784	0.00850509
116	0.00527251	0.0137776
117	0.0079313	0.0217089
118	0.01156087	0.03326977
119	0.01632123	0.049591
120	0.02230569	0.07189669
121	0.02949512	0.10139181
122	0.03771507	0.13910689
123	0.04660725	0.18571413
124	0.055628	0.24134214
125	0.06408346	0.3054256
126	0.07120385	0.37662944
127	0.07624979	0.45287923
128	0.07863259	0.53151182
129	0.07802304	0.60953486
130	0.07442197	0.68395684
131	0.0681728	0.75212964
132	0.05990943	0.81203907

133	0.05045005	0.86248912
134	0.04066123	0.90315035
135	0.03132421	0.93447456
136	0.02303251	0.95750706
137	0.01613957	0.97364663
138	0.01075971	0.98440634
139	0.0068119	0.99121824
140	0.00408714	0.99530539
141	0.00231895	0.99762433
142	0.00124113	0.99886546
143	0.0006249	0.99949036
144	0.00029509	0.99978545
145	0.00013025	0.9999157
146	0.00005353	0.99996923
147	0.00002039	0.99998962
148	0.00000716	0.99999678
149	0.00000231	0.99999909
150	6.8e-7	0.99999977
151	1.8e-7	0.99999995
152	4e-8	0.99999999
153	1e-8	1
154	0	1
...	...	...
160	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.8</b>	<b>n = 160</b>
Erwartungswert: $\mu = 128$		
Standardabweichung: $\sigma = 5.06$		
1σ-Intervall: $p(123 \leq X \leq 133) = 0.72338223$		
2σ-Intervall: $p(118 \leq X \leq 138) = 0.96269744$		
3σ-Intervall: $p(113 \leq X \leq 143) = 0.99779451$		

	<b>p = 0.8</b>	<b>n = 170</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
103	0	0
104	1e-8	1e-8
105	2e-8	3e-8
106	5e-8	8e-8
107	1.2e-7	2e-7
108	2.7e-7	4.7e-7
109	6.2e-7	0.000011

110	0.00000138	0.00000248
111	0.00000299	0.00000548
112	0.00000631	0.00001179
113	0.00001295	0.00002474
114	0.00002591	0.00005065
115	0.00005046	0.00010111
116	0.0000957	0.00019681
117	0.00017668	0.00037349
118	0.00031743	0.00069092
119	0.00055483	0.00124575
120	0.00094322	0.00218897
121	0.00155904	0.00374801
122	0.00250468	0.00625269
123	0.00390975	0.01016243
124	0.00592768	0.01609011
125	0.00872554	0.02481565
126	0.01246506	0.03728072
127	0.01727442	0.05455513
128	0.0232125	0.07776763
129	0.03023023	0.10799785
130	0.03813659	0.14613445
131	0.04657905	0.1927135
132	0.05504796	0.24776146
133	0.06291196	0.31067342
134	0.06948485	0.38015827
135	0.07411717	0.45427544
136	0.07629709	0.53057253
137	0.07574018	0.60631271
138	0.07244713	0.67875983
139	0.0667139	0.74547373
140	0.05908945	0.80456319
141	0.0502889	0.85485209
142	0.04108107	0.89593316
143	0.03217538	0.92810854
144	0.02413154	0.95224008
145	0.01730814	0.96954822
146	0.01185489	0.98140311
147	0.00774197	0.98914507
148	0.00481257	0.99395765
149	0.00284233	0.99679998
150	0.0015917	0.99839168
151	0.00084329	0.99923496
152	0.00042164	0.99965661
153	0.00019842	0.99985503
154	0.00008761	0.99994264
155	0.00003618	0.99997882
156	0.00001391	0.99999273

157	0.00000496	0.9999977
158	0.00000163	0.99999933
159	4.9e-7	0.99999982
160	1.4e-7	0.99999996
161	3e-8	0.99999999
162	1e-8	1
163	0	1
...	...	...
170	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 170</b>
Erwartungswert: $\mu = 136$		
Standardabweichung: $\sigma = 5.215$		
1 $\sigma$ -Intervall: $p(131 \leq X \leq 141) = 0.70871764$		
2 $\sigma$ -Intervall: $p(126 \leq X \leq 146) = 0.95658745$		
3 $\sigma$ -Intervall: $p(121 \leq X \leq 151) = 0.99704599$		

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<b>p = 0.8</b>		<b>n = 180</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
110	0	0
111	1e-8	1e-8
112	2e-8	3e-8
113	4e-8	7e-8
114	1e-7	1.6e-7
115	2.2e-7	3.9e-7
116	4.9e-7	8.8e-7
117	0.00000108	0.00000196
118	0.00000231	0.00000426
119	0.00000481	0.00000907
120	0.00000977	0.00001884
121	0.00001938	0.00003823
122	0.0000375	0.00007572
123	0.00007072	0.00014645
124	0.00013004	0.00027648
125	0.00023303	0.00050952
126	0.00040688	0.00091639
127	0.00069201	0.00160841
128	0.00114615	0.00275456
129	0.00184805	0.00460261
130	0.00290002	0.00750263
131	0.00442752	0.01193015

132	0.00657419	0.01850434
133	0.00949056	0.0279949
134	0.01331512	0.04131002
135	0.01814801	0.05945803
136	0.02401943	0.08347746
137	0.03085707	0.11433453
138	0.03845954	0.15279407
139	0.04648347	0.19927754
140	0.05445207	0.25372961
141	0.06178958	0.31551919
142	0.06788151	0.3834007
143	0.07215377	0.45555447
144	0.07415804	0.52971252
145	0.07364661	0.60335913
146	0.07062004	0.67397916
147	0.06533554	0.73931471
148	0.05827224	0.79758695
149	0.05005938	0.84764633
150	0.04138242	0.88902874
151	0.03288669	0.92191543
152	0.02509774	0.94701317
153	0.0183722	0.96538537
154	0.0128844	0.97826977
155	0.00864502	0.98691479
156	0.00554168	0.99245646
157	0.00338854	0.995845
158	0.00197307	0.99781808
159	0.00109202	0.9989101
160	0.00057331	0.9994834
161	0.00028487	0.99976828
162	0.00013364	0.99990192
163	0.00005903	0.99996096
164	0.00002448	0.99998543
165	0.00000949	0.99999493
166	0.00000343	0.99999836
167	0.00000115	0.99999951
168	3.6e-7	0.99999986
169	1e-7	0.99999997
170	3e-8	0.99999999
171	1e-8	1
172	0	1
...	...	...
180	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.8</b>	<b>n = 180</b>
Erwartungswert: $\mu = 144$		

Standardabweichung: $\sigma = 5.367$
1 $\sigma$ -Intervall: $p(139 \leq X \leq 149) = 0.69485226$
2 $\sigma$ -Intervall: $p(134 \leq X \leq 154) = 0.95027486$
3 $\sigma$ -Intervall: $p(128 \leq X \leq 160) = 0.997875$

p = 0.8		n = 190
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
117	0	0
118	1e-8	1e-8
119	1e-8	2e-8
120	3e-8	6e-8
121	8e-8	1.3e-7
122	1.8e-7	3.1e-7
123	3.9e-7	7e-7
124	8.4e-7	0.00000154
125	0.00000177	0.00000331
126	0.00000365	0.00000696
127	0.00000736	0.00001432
128	0.00001449	0.00002882
129	0.00002787	0.00005668
130	0.0000523	0.00010898
131	0.00009582	0.0002048
132	0.00017132	0.00037612
133	0.00029884	0.00067496
134	0.00050847	0.00118343
135	0.00084368	0.00202711
136	0.00136478	0.00339189
137	0.00215177	0.0054366
138	0.00330561	0.00884927
139	0.00494653	0.0137958
140	0.0072078	0.02100361
141	0.01022383	0.03122744
142	0.01411177	0.04533921
143	0.01894727	0.06428649
144	0.02473672	0.0890232
145	0.03139004	0.12041325
146	0.03870005	0.1591133
147	0.04633476	0.20544806
148	0.0538485	0.25929656
149	0.06071509	0.32001165
150	0.06638183	0.38639348
151	0.07033836	0.45673185

152	0.07218937	0.52892122
153	0.07171755	0.60063877
154	0.06892336	0.66956213
155	0.06403202	0.73359415
156	0.05746464	0.79105879
157	0.04977828	0.84083707
158	0.04158692	0.88242399
159	0.03347878	0.91590277
160	0.02594605	0.94184882
161	0.01933867	0.96118749
162	0.01384745	0.97503494
163	0.00951481	0.98454975
164	0.00626585	0.9908156
165	0.00394938	0.99476498
166	0.00237915	0.99714413
167	0.00136765	0.99851178
168	0.00074895	0.99926074
169	0.00038999	0.99965072
170	0.0001927	0.99984342
171	0.00009015	0.99993357
172	0.00003983	0.99997341
173	0.00001658	0.99998999
174	0.00000648	0.99999647
175	0.00000237	0.99999884
176	8.1e-7	0.99999964
177	2.6e-7	0.9999999
178	7e-8	0.99999997
179	2e-8	0.99999999
180	0	1
...	...	...
190	0	1

k	p(X=k)	p(x≤k)
	<b>p = 0.8</b>	<b>n = 190</b>

Erwartungswert:  
 $\mu = 152$

Standardabweichung:  
 $\sigma = 5.514$

1σ-Intervall:  
 $p(147 \leq X \leq 157) = 0.68172377$

2σ-Intervall:  
 $p(141 \leq X \leq 163) = 0.96354614$

3σ-Intervall:  
 $p(136 \leq X \leq 168) = 0.99723363$

	<b>p = 0.8</b>	<b>n = 200</b>
k	p(X=k)	p(x≤k)
0	0	0
...	...	...



124	0	0
125	0	1e-8
126	1e-8	2e-8
127	3e-8	5e-8
128	6e-8	1.1e-7
129	1.4e-7	2.5e-7
130	3e-7	5.5e-7
131	6.5e-7	0.0000012
132	0.00000135	0.00000255
133	0.00000277	0.00000532
134	0.00000554	0.00001086
135	0.00001083	0.0000217
136	0.00002071	0.00004241
137	0.00003871	0.00008112
138	0.00007068	0.0001518
139	0.00012611	0.00027791
140	0.00021979	0.00049769
141	0.00037411	0.0008718
142	0.00062175	0.00149355
143	0.00100872	0.00250227
144	0.00159714	0.00409941
145	0.0024673	0.0065667
146	0.00371785	0.01028455
147	0.00546296	0.01574751
148	0.00782532	0.02357284
149	0.01092394	0.03449677
150	0.01485656	0.04935333
151	0.01967756	0.06903089
152	0.0253737	0.09440459
153	0.0318415	0.12624609
154	0.03887144	0.16511753
155	0.04614416	0.21126169
156	0.05324326	0.26450496
157	0.05968672	0.32419167
158	0.06497541	0.38916709
159	0.06865327	0.45782035
160	0.0703696	0.52818995
161	0.06993252	0.59812247
162	0.06734243	0.6654649
163	0.06279785	0.72826275
164	0.05667123	0.78493398
165	0.04945853	0.8343925
166	0.04171201	0.87610451
167	0.03396906	0.91007357
168	0.02668998	0.93676355
169	0.02021489	0.95697844
170	0.01474498	0.97172343

171	0.01034736	0.98207078
172	0.00697845	0.98904923
173	0.00451784	0.99356707
174	0.00280418	0.99637125
175	0.00166648	0.99803773
176	0.00094686	0.99898459
177	0.00051355	0.99949815
178	0.00026543	0.99976358
179	0.00013049	0.99989407
180	0.0000609	0.99995497
181	0.00002692	0.99998188
182	0.00001124	0.99999312
183	0.00000442	0.99999754
184	0.00000163	0.99999918
185	5.7e-7	0.99999974
186	1.8e-7	0.99999993
187	5e-8	0.99999998
188	2e-8	1
189	0	1
...	...	...
200	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.8</b>	<b>n = 200</b>
Erwartungswert: $\mu = 160$		
Standardabweichung: $\sigma = 5.657$		
1 $\sigma$ -Intervall: $p(155 \leq X \leq 165) = 0.66927497$		
2 $\sigma$ -Intervall: $p(149 \leq X \leq 171) = 0.95849794$		
3 $\sigma$ -Intervall: $p(144 \leq X \leq 176) = 0.99648232$		

	<b>p = 0.8</b>	<b>n = 210</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
131	0	0
132	0	1e-8
133	1e-8	2e-8
134	2e-8	4e-8
135	5e-8	9e-8
136	1.1e-7	2e-7
137	2.4e-7	4.3e-7
138	5e-7	9.3e-7
139	0.00000103	0.00000197
140	0.0000021	0.00000406

141	0.00000417	0.00000823
142	0.0000081	0.00001633
143	0.0000154	0.00003173
144	0.00002866	0.00006039
145	0.00005219	0.00011258
146	0.00009294	0.00020552
147	0.00016185	0.00036736
148	0.00027558	0.00064294
149	0.00045868	0.00110163
150	0.00074613	0.00184775
151	0.0011859	0.00303365
152	0.00184126	0.00487491
153	0.00279197	0.00766688
154	0.00413357	0.01180046
155	0.00597368	0.01777413
156	0.00842442	0.02619855
157	0.01159028	0.03778884
158	0.01555152	0.05334035
159	0.02034413	0.07368448
160	0.02593876	0.09962324
161	0.03222206	0.1318453
162	0.03898472	0.17083002
163	0.04592065	0.21675066
164	0.05264074	0.26939141
165	0.0587024	0.32809381
166	0.06365321	0.39174702
167	0.06708362	0.45883064
168	0.06868085	0.52751149
169	0.06827445	0.59578595
170	0.06586477	0.66165071
171	0.06162785	0.72327857
172	0.05589503	0.7791736
173	0.04911008	0.82828368
174	0.0417718	0.87005548
175	0.03437222	0.9044277
176	0.02734154	0.93176924
177	0.02100819	0.95277742
178	0.01557911	0.96835653
179	0.01114037	0.9794969
180	0.00767447	0.98717137
181	0.00508805	0.99225942
182	0.00324293	0.99550235
183	0.00198475	0.9974871
184	0.00116496	0.99865206
185	0.0006549	0.99930695
186	0.00035209	0.99965905
187	0.00018075	0.9998398

188	0.00008845	0.99992826
189	0.00004119	0.99996944
190	0.00001821	0.99998765
191	0.00000763	0.99999528
192	0.00000302	0.99999829
193	0.00000113	0.99999942
194	3.9e-7	0.99999982
195	1.3e-7	0.99999995
196	4e-8	0.99999998
197	1e-8	1
198	0	1
...	...	...
210	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 210</b>
Erwartungswert: $\mu = 168$		
Standardabweichung: $\sigma = 5.797$		
1σ-Intervall: $p(163 \leq X \leq 173) = 0.65745366$		
2σ-Intervall: $p(157 \leq X \leq 179) = 0.95329834$		
3σ-Intervall: $p(151 \leq X \leq 185) = 0.9974592$		

<b>p = 0.8</b>		<b>n = 220</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
138	0	0
139	0	1e-8
140	1e-8	1e-8
141	2e-8	3e-8
142	4e-8	7e-8
143	9e-8	1.6e-7
144	1.8e-7	3.4e-7
145	3.8e-7	7.2e-7
146	7.9e-7	0.00000151
147	0.00000159	0.0000031
148	0.00000313	0.00000623
149	0.00000605	0.00001228
150	0.00001145	0.00002373
151	0.00002124	0.00004497
152	0.00003857	0.00008354
153	0.00006856	0.0001521
154	0.00011932	0.00027142
155	0.00020323	0.00047464

156	0.00033871	0.00081335
157	0.00055229	0.00136565
158	0.00088087	0.00224652
159	0.00137394	0.00362045
160	0.00209525	0.0057157
161	0.00312336	0.00883906
162	0.00455007	0.01338913
163	0.00647618	0.01986531
164	0.00900347	0.02886878
165	0.01222289	0.04109167
166	0.01619901	0.05729068
167	0.02095201	0.0782427
168	0.02643945	0.10468214
169	0.03254086	0.137223
170	0.03904903	0.17627203
171	0.04567138	0.22194341
172	0.05204413	0.27398754
173	0.05775996	0.3317475
174	0.06240731	0.39415481
175	0.06561683	0.45977165
176	0.06710812	0.52687977
177	0.06672898	0.59360875
178	0.06447969	0.65808844
179	0.06051725	0.71860569
180	0.05513794	0.77374363
181	0.04874072	0.82248435
182	0.04177776	0.86426211
183	0.03470065	0.89896276
184	0.0279114	0.92687416
185	0.02172563	0.94859979
186	0.01635262	0.96495241
187	0.01189282	0.97684522
188	0.00835028	0.9851955
189	0.00565521	0.99085071
190	0.00369077	0.99454148
191	0.00231881	0.99686029
192	0.00140095	0.99826124
193	0.00081298	0.99907422
194	0.00045259	0.99952681
195	0.00024138	0.99976819
196	0.00012315	0.99989135
197	0.00006001	0.99995136
198	0.00002789	0.99997925
199	0.00001233	0.99999158
200	0.00000518	0.99999676
201	0.00000206	0.99999882
202	7.8e-7	0.99999959

203	2.8e-7	0.99999987
204	9e-8	0.99999996
205	3e-8	0.99999999
206	1e-8	1
207	0	1
...	...	...
220	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 220</b>
Erwartungswert: $\mu = 176$		
Standardabweichung: $\sigma = 5.933$		
1 $\sigma$ -Intervall: $p(171 \leq X \leq 181) = 0.64621232$		
2 $\sigma$ -Intervall: $p(165 \leq X \leq 187) = 0.94797644$		
3 $\sigma$ -Intervall: $p(159 \leq X \leq 193) = 0.99682771$		

<b>p = 0.8</b>		<b>n = 230</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
146	0	0
147	1e-8	1e-8
148	1e-8	3e-8
149	3e-8	6e-8
150	7e-8	1.2e-7
151	1.4e-7	2.6e-7
152	2.9e-7	5.6e-7
153	6e-7	0.00000116
154	0.0000012	0.00000236
155	0.00000235	0.00000471
156	0.00000452	0.00000923
157	0.00000852	0.00001775
158	0.00001575	0.00003349
159	0.00002852	0.00006202
160	0.00005063	0.00011265
161	0.00008805	0.0002007
162	0.00015002	0.00035072
163	0.00025034	0.00060106
164	0.00040909	0.00101015
165	0.00065454	0.00166469
166	0.00102519	0.00268988
167	0.00157154	0.00426142
168	0.00235731	0.00661873
169	0.00345925	0.01007799

170	0.00496505	0.01504304
171	0.00696849	0.02201152
172	0.00956141	0.03157293
173	0.01282224	0.04439517
174	0.01680156	0.06119673
175	0.02150599	0.08270272
176	0.02688249	0.10958521
177	0.03280575	0.14239096
178	0.03907202	0.18146298
179	0.04540212	0.2268651
180	0.05145574	0.27832083
181	0.05685717	0.335178
182	0.0612308	0.3964088
183	0.06424215	0.46065094
184	0.06563871	0.52628966
185	0.06528391	0.59157357
186	0.06317798	0.65475154
187	0.05946163	0.71421317
188	0.05440106	0.76861423
189	0.0483565	0.81697073
190	0.04173929	0.85871003
191	0.03496485	0.89367488
192	0.02840894	0.92208383
193	0.02237388	0.94445771
194	0.01706874	0.96152644
195	0.0126046	0.97413105
196	0.00900329	0.98313434
197	0.00621547	0.98934981
198	0.00414365	0.99349345
199	0.00266526	0.99615871
200	0.00165246	0.99781117
201	0.00098654	0.99879772
202	0.00056653	0.99936425
203	0.00031257	0.99967682
204	0.00016548	0.99984229
205	0.00008395	0.99992624
206	0.00004075	0.99996699
207	0.0000189	0.99998589
208	0.00000836	0.99999425
209	0.00000352	0.99999777
210	0.00000141	0.99999918
211	5.3e-7	0.99999972
212	1.9e-7	0.99999991
213	6e-8	0.99999997
214	2e-8	0.99999999
215	1e-8	1
216	0	1

...	...	...
230	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 230</b>
Erwartungswert: $\mu = 184$		
Standardabweichung: $\sigma = 6.066$		
1 $\sigma$ -Intervall: $p(178 \leq X \leq 190) = 0.71631907$		
2 $\sigma$ -Intervall: $p(172 \leq X \leq 196) = 0.96112282$		
3 $\sigma$ -Intervall: $p(166 \leq X \leq 202) = 0.99769956$		

<b>p = 0.8</b>		<b>n = 240</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
153	0	0
154	1e-8	1e-8
155	1e-8	2e-8
156	2e-8	4e-8
157	5e-8	1e-7
158	1.1e-7	2e-7
159	2.2e-7	4.3e-7
160	4.5e-7	8.8e-7
161	9e-7	0.00000179
162	0.00000176	0.00000355
163	0.00000338	0.00000693
164	0.00000634	0.00001327
165	0.00001168	0.00002495
166	0.00002111	0.00004607
167	0.00003742	0.00008349
168	0.00006504	0.00014853
169	0.00011084	0.00025938
170	0.00018517	0.00044455
171	0.00030321	0.00074776
172	0.00048654	0.0012343
173	0.00076497	0.00199927
174	0.00117823	0.0031775
175	0.00177744	0.00495494
176	0.00262577	0.00758071
177	0.00379772	0.01137844
178	0.00537655	0.01675499
179	0.00744908	0.02420407
180	0.01009764	0.03430171



181	0.01338913	0.04769084
182	0.01736173	0.06505258
183	0.0220105	0.08706308
184	0.02727389	0.11433697
185	0.03302352	0.14736048
186	0.03906007	0.18642056
187	0.04511752	0.23153808
188	0.0508772	0.28241528
189	0.05599184	0.33840712
190	0.06011756	0.39852467
191	0.06295032	0.46147499
192	0.06426178	0.52573678
193	0.06392882	0.5896656
194	0.06195164	0.65161724
195	0.05845693	0.71007417
196	0.05368494	0.76375911
197	0.04796218	0.81172129
198	0.04166412	0.85338541
199	0.03517373	0.88855913
200	0.02884245	0.91740159
201	0.02295917	0.94036076
202	0.01773084	0.9580916
203	0.0132763	0.9713679
204	0.00963182	0.98099972
205	0.00676577	0.98776549
206	0.00459809	0.99236358
207	0.00302097	0.99538455
208	0.00191715	0.99730171
209	0.00117414	0.99847585
210	0.0006933	0.99916915
211	0.0003943	0.99956345
212	0.00021575	0.99977919
213	0.00011344	0.99989264
214	0.00005725	0.99994989
215	0.00002769	0.99997758
216	0.00001282	0.99999041
217	0.00000567	0.99999608
218	0.00000239	0.99999847
219	9.6e-7	0.99999943
220	3.7e-7	0.9999998
221	1.3e-7	0.99999993
222	5e-8	0.99999998
223	1e-8	0.99999999
224	0	1
...	...	...
240	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>

<b>p = 0.8</b>	<b>n = 240</b>
Erwartungswert: $\mu = 192$	
Standardabweichung: $\sigma = 6.197$	
1 $\sigma$ -Intervall: $p(186 \leq X \leq 198) = 0.70602492$	
2 $\sigma$ -Intervall: $p(180 \leq X \leq 204) = 0.95679565$	
3 $\sigma$ -Intervall: $p(174 \leq X \leq 210) = 0.99716988$	

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<b>p = 0.8</b>		<b>n = 250</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
160	0	0
161	0	1e-8
162	1e-8	2e-8
163	2e-8	3e-8
164	4e-8	7e-8
165	8e-8	1.6e-7
166	1.7e-7	3.3e-7
167	3.5e-7	6.8e-7
168	6.8e-7	0.00000136
169	0.00000132	0.00000268
170	0.00000252	0.0000052
171	0.00000472	0.00000992
172	0.00000867	0.00001859
173	0.00001564	0.00003423
174	0.00002768	0.00006191
175	0.00004809	0.00011
176	0.00008197	0.00019197
177	0.00013708	0.00032904
178	0.00022487	0.00055391
179	0.00036179	0.0009157
180	0.00057083	0.00148653
181	0.00088305	0.00236959
182	0.00133914	0.00370872
183	0.00199041	0.00569913
184	0.00289907	0.0085982
185	0.00413706	0.01273526
186	0.00578298	0.01851824
187	0.00791681	0.02643505
188	0.01061189	0.03704695
189	0.0139246	0.05097155
190	0.01788212	0.06885367
191	0.02246968	0.09132334

192	0.02761898	0.11894232
193	0.03320002	0.15214234
194	0.03901858	0.19116092
195	0.04482134	0.23598226
196	0.05030967	0.28629192
197	0.05516187	0.34145379
198	0.0590622	0.40051599
199	0.06173336	0.46224935
200	0.06296802	0.52521737
201	0.06265475	0.58787212
202	0.06079372	0.64866584
203	0.05749948	0.70616532
204	0.05298971	0.75915503
205	0.0475615	0.80671653
206	0.04155859	0.84827512
207	0.03533484	0.88360997
208	0.0292192	0.91282916
209	0.0234872	0.93631636
210	0.01834239	0.95465875
211	0.01390892	0.96856766
212	0.01023486	0.97880253
213	0.00730375	0.98610628
214	0.00505119	0.99115747
215	0.00338312	0.9945406
216	0.00219277	0.99673337
217	0.00137427	0.99810763
218	0.00083213	0.99893976
219	0.00048636	0.99942612
220	0.00027413	0.99970024
221	0.00014885	0.99984909
222	0.00007778	0.99992687
223	0.00003906	0.99996593
224	0.00001883	0.99998476
225	0.00000871	0.99999347
226	0.00000385	0.99999732
227	0.00000163	0.99999895
228	6.6e-7	0.99999961
229	2.5e-7	0.99999986
230	9e-8	0.99999995
231	3e-8	0.99999999
232	1e-8	1
233	0	1
...	...	...
250	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.8</b>	<b>n = 250</b>
Erwartungswert: $\mu = 200$		

Standardabweichung: $\sigma = 6.325$
1 $\sigma$ -Intervall: $p(194 \leq X \leq 206) = 0.69613278$
2 $\sigma$ -Intervall: $p(188 \leq X \leq 212) = 0.95236748$
3 $\sigma$ -Intervall: $p(182 \leq X \leq 218) = 0.99657017$

p = 0.8		n = 260
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
167	0	0
168	0	1e-8
169	1e-8	1e-8
170	1e-8	3e-8
171	3e-8	6e-8
172	6e-8	1.2e-7
173	1.3e-7	2.5e-7
174	2.6e-7	5.1e-7
175	5.1e-7	0.00000103
176	9.9e-7	0.00000202
177	0.00000188	0.00000391
178	0.00000351	0.00000742
179	0.00000644	0.00001386
180	0.00001159	0.00002545
181	0.00002049	0.00004594
182	0.00003558	0.00008152
183	0.00006066	0.00014218
184	0.00010154	0.00024372
185	0.00016686	0.00041058
186	0.00026912	0.00067971
187	0.00042599	0.0011057
188	0.00066165	0.00176735
189	0.00100823	0.00277558
190	0.00150703	0.00428261
191	0.00220927	0.00649188
192	0.00317582	0.0096677
193	0.00447577	0.01414346
194	0.00618302	0.02032648
195	0.00837086	0.02869734
196	0.0111042	0.03980153
197	0.01442982	0.05423135
198	0.01836522	0.07259657
199	0.02288731	0.09548389
200	0.02792252	0.12340641
201	0.03334032	0.15674673

202	0.03895206	0.19569879
203	0.04451664	0.24021543
204	0.04975389	0.28996933
205	0.05436523	0.34433456
206	0.05805995	0.40239451
207	0.0605843	0.46297881
208	0.06174938	0.5247282
209	0.06145393	0.58618213
210	0.05969811	0.64588023
211	0.05658588	0.70246612
212	0.05231525	0.75478137
213	0.04715741	0.80193877
214	0.041428	0.84336678
215	0.03545466	0.87882144
216	0.02954555	0.90836699
217	0.02396321	0.9323302
218	0.01890676	0.95123696
219	0.01450381	0.96574077
220	0.01081193	0.9765527
221	0.00782764	0.98438035
222	0.00550051	0.98988085
223	0.00374922	0.99363008
224	0.00247717	0.99610724
225	0.00158539	0.99769263
226	0.0009821	0.99867473
227	0.00058839	0.99926312
228	0.00034065	0.99960377
229	0.00019041	0.99979418
230	0.00010265	0.99989683
231	0.00005333	0.99995016
232	0.00002666	0.99997682
233	0.00001282	0.99998964
234	0.00000592	0.99999555
235	0.00000262	0.99999817
236	0.00000111	0.99999928
237	4.5e-7	0.99999973
238	1.7e-7	0.9999999
239	6e-8	0.99999997
240	2e-8	0.99999999
241	1e-8	1
242	0	1
...	...	...
260	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.8</b>	<b>n = 260</b>
Erwartungswert: $\mu = 208$		

Standardabweichung: $\sigma = 6.45$
1 $\sigma$ -Intervall: $p(202 \leq X \leq 214) = 0.68662005$
2 $\sigma$ -Intervall: $p(196 \leq X \leq 220) = 0.94785537$
3 $\sigma$ -Intervall: $p(189 \leq X \leq 227) = 0.99749577$

p = 0.8		n = 270
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
175	0	0
176	1e-8	1e-8
177	1e-8	2e-8
178	2e-8	5e-8
179	5e-8	9e-8
180	1e-7	1.9e-7
181	2e-7	3.9e-7
182	3.9e-7	7.8e-7
183	7.4e-7	0.00000152
184	0.00000141	0.00000293
185	0.00000262	0.00000555
186	0.00000478	0.00001033
187	0.0000086	0.00001893
188	0.00001518	0.00003411
189	0.00002635	0.00006045
190	0.00004493	0.00010538
191	0.00007527	0.00018065
192	0.00012388	0.00030452
193	0.00020026	0.00050478
194	0.00031794	0.00082272
195	0.00049565	0.00131837
196	0.00075866	0.00207703
197	0.00113991	0.00321694
198	0.00168108	0.00489802
199	0.00243292	0.00733093
200	0.00345474	0.01078567
201	0.00481257	0.01559825
202	0.0065756	0.02217384
203	0.00881065	0.0309845
204	0.01157478	0.04255927
205	0.01490606	0.05746533
206	0.01881347	0.0762788
207	0.0232669	0.0995457
208	0.02818874	0.12773444
209	0.03344884	0.16118328

210	0.03886437	0.20004765
211	0.04420592	0.24425356
212	0.04921036	0.29346392
213	0.05360002	0.34706394
214	0.05710656	0.4041705
215	0.05949707	0.46366756
216	0.06059886	0.52426643
217	0.06031961	0.58458603
218	0.05865943	0.64324547
219	0.05571307	0.69895854
220	0.05166121	0.75061975
221	0.04675223	0.79737197
222	0.04127674	0.83864871
223	0.03553872	0.87418743
224	0.02982714	0.90401457
225	0.02439197	0.92840654
226	0.01942723	0.94783378
227	0.01506252	0.9628963
228	0.01136296	0.97425926
229	0.00833614	0.9825954
230	0.00594403	0.98853943
231	0.00411708	0.99265651
232	0.00276838	0.99542489
233	0.00180598	0.99723087
234	0.00114225	0.99837312
235	0.00069993	0.99907305
236	0.00041521	0.99948826
237	0.00023827	0.99972653
238	0.00013215	0.99985867
239	0.00007077	0.99992945
240	0.00003657	0.99996601
241	0.00001821	0.99998422
242	0.00000873	0.99999295
243	0.00000402	0.99999697
244	0.00000178	0.99999875
245	7.6e-7	0.99999951
246	3.1e-7	0.99999981
247	1.2e-7	0.99999993
248	4e-8	0.99999998
249	2e-8	0.99999999
250	1e-8	1
251	0	1
...	...	...
270	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.8</b>	<b>n = 270</b>
Erwartungswert: $\mu = 216$		

Standardabweichung: $\sigma = 6.573$
1 $\sigma$ -Intervall: $p(210 \leq X \leq 222) = 0.67746544$
2 $\sigma$ -Intervall: $p(203 \leq X \leq 229) = 0.96042156$
3 $\sigma$ -Intervall: $p(197 \leq X \leq 235) = 0.99699602$

p = 0.8		n = 280
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
182	0	0
183	0	1e-8
184	1e-8	2e-8
185	2e-8	4e-8
186	4e-8	7e-8
187	8e-8	1.5e-7
188	1.5e-7	3e-7
189	2.9e-7	5.9e-7
190	5.6e-7	0.00000115
191	0.00000105	0.0000022
192	0.00000195	0.00000415
193	0.00000356	0.0000077
194	0.00000638	0.00001408
195	0.00001125	0.00002534
196	0.00001952	0.00004486
197	0.00003329	0.00007815
198	0.00005583	0.00013398
199	0.00009201	0.00022599
200	0.00014906	0.00037506
201	0.00023732	0.00061237
202	0.00037125	0.00098362
203	0.00057059	0.0015542
204	0.00086147	0.00241568
205	0.0012775	0.00369318
206	0.00186044	0.00555362
207	0.00266034	0.00821395
208	0.0037347	0.01194866
209	0.00514639	0.01709504
210	0.00695987	0.02405491
211	0.00923585	0.03329077
212	0.01202403	0.0453148
213	0.01535463	0.06066943
214	0.01922917	0.0798986
215	0.02361163	0.10351023



216	0.02842141	0.13193163
217	0.0335294	0.16546103
218	0.03875876	0.20421979
219	0.04389119	0.24811098
220	0.04867932	0.2967903
221	0.05286442	0.34965473
222	0.05619822	0.40585294
223	0.05846631	0.46431925
224	0.05951035	0.5238296
225	0.05924586	0.58307545
226	0.05767296	0.64074841
227	0.05487823	0.69562664
228	0.05102713	0.74665377
229	0.04634778	0.79300156
230	0.04110847	0.83411003
231	0.03559175	0.86970178
232	0.03006889	0.89977067
233	0.0247778	0.92454847
234	0.01990695	0.94445542
235	0.01558672	0.96004213
236	0.01188817	0.97193031
237	0.00882835	0.98075866
238	0.00638015	0.98713881
239	0.00448479	0.9916236
240	0.00306461	0.99468821
241	0.00203459	0.99672281
242	0.00131156	0.99803436
243	0.0008204	0.99885476
244	0.00049762	0.99935238
245	0.00029248	0.99964486
246	0.00016645	0.99981131
247	0.00009165	0.99990296
248	0.00004878	0.99995174
249	0.00002508	0.99997681
250	0.00001244	0.99998925
251	0.00000595	0.9999952
252	0.00000274	0.99999793
253	0.00000121	0.99999915
254	5.2e-7	0.99999966
255	2.1e-7	0.99999987
256	8e-8	0.99999995
257	3e-8	0.99999998
258	1e-8	0.99999999
259	0	1
...	...	...
280	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>

<b>p = 0.8</b>	<b>n = 280</b>
Erwartungswert: $\mu = 224$	
Standardabweichung: $\sigma = 6.693$	
1 $\sigma$ -Intervall: $p(218 \leq X \leq 230) = 0.66864899$	
2 $\sigma$ -Intervall: $p(211 \leq X \leq 237) = 0.95670374$	
3 $\sigma$ -Intervall: $p(204 \leq X \leq 244) = 0.99779817$	

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<b>p = 0.8</b>		<b>n = 290</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
189	0	0
190	0	1e-8
191	1e-8	1e-8
192	1e-8	3e-8
193	3e-8	6e-8
194	6e-8	1.1e-7
195	1.1e-7	2.3e-7
196	2.2e-7	4.5e-7
197	4.2e-7	8.6e-7
198	7.9e-7	0.00000165
199	0.00000145	0.0000031
200	0.00000264	0.00000575
201	0.00000474	0.00001048
202	0.00000835	0.00001883
203	0.00001447	0.0000333
204	0.00002469	0.00005799
205	0.00004143	0.00009942
206	0.00006838	0.0001678
207	0.00011099	0.00027879
208	0.00017716	0.00045595
209	0.00027803	0.00073398
210	0.00042896	0.00116295
211	0.00065056	0.00181351
212	0.0009697	0.00278321
213	0.00142041	0.00420362
214	0.00204433	0.00624795
215	0.00289059	0.00913853
216	0.0040147	0.01315323
217	0.00547627	0.01862951
218	0.00733519	0.0259647
219	0.00964628	0.03561099
220	0.01245247	0.04806346

221	0.01577689	0.06384035
222	0.01961451	0.08345486
223	0.02392443	0.10737929
224	0.02862387	0.13600315
225	0.03358534	0.16958849
226	0.038638	0.20822649
227	0.04357413	0.25180062
228	0.04816088	0.2999615
229	0.05215676	0.35211826
230	0.05533152	0.40744979
231	0.0574873	0.46493708
232	0.05847846	0.52341554
233	0.05822748	0.58164301
234	0.05673446	0.63837748
235	0.05407881	0.69245628
236	0.05041245	0.74286873
237	0.04594552	0.78881425
238	0.04092626	0.82974052
239	0.03561784	0.86535835
240	0.03027516	0.89563351
241	0.02512461	0.92075813
242	0.02034886	0.94110699
243	0.01607811	0.9571851
244	0.01238805	0.96957315
245	0.00930368	0.97887684
246	0.00680757	0.98568441
247	0.00485074	0.99053515
248	0.00336422	0.99389937
249	0.00226984	0.99616921
250	0.00148901	0.99765822
251	0.00094917	0.99860739
252	0.00058758	0.99919497
253	0.00035301	0.99954799
254	0.00020569	0.99975368
255	0.00011616	0.99986984
256	0.00006352	0.99993336
257	0.00003362	0.99996698
258	0.0000172	0.99998417
259	0.0000085	0.99999267
260	0.00000405	0.99999673
261	0.00000186	0.99999859
262	8.3e-7	0.99999942
263	3.5e-7	0.99999977
264	1.4e-7	0.99999991
265	6e-8	0.99999997
266	2e-8	0.99999999
267	1e-8	1

268	0	1
...	...	...
290	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 290</b>
Erwartungswert: $\mu = 232$		
Standardabweichung: $\sigma = 6.812$		
1 $\sigma$ -Intervall: $p(226 \leq X \leq 238) = 0.66015203$		
2 $\sigma$ -Intervall: $p(219 \leq X \leq 245) = 0.95291213$		
3 $\sigma$ -Intervall: $p(212 \leq X \leq 252) = 0.99738147$		

<b>p = 0.8</b>		<b>n = 300</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
197	0	0
198	1e-8	1e-8
199	1e-8	2e-8
200	2e-8	4e-8
201	4e-8	9e-8
202	9e-8	1.7e-7
203	1.6e-7	3.4e-7
204	3.1e-7	6.5e-7
205	5.9e-7	0.00000124
206	0.00000108	0.00000232
207	0.00000197	0.00000429
208	0.00000352	0.0000078
209	0.00000619	0.000014
210	0.00001074	0.00002474
211	0.00001832	0.00004306
212	0.00003076	0.00007382
213	0.00005084	0.00012465
214	0.00008267	0.00020732
215	0.00013227	0.00033959
216	0.0002082	0.0005478
217	0.00032238	0.00087018
218	0.00049096	0.00136114
219	0.00073533	0.00209647
220	0.00108294	0.00317941
221	0.00156805	0.00474746
222	0.002232	0.00697946
223	0.0031228	0.01010226
224	0.00429385	0.01439611

225	0.00580147	0.02019758
226	0.00770106	0.02789864
227	0.01004192	0.03794055
228	0.0128607	0.05080125
229	0.01617415	0.06697541
230	0.01997156	0.08694697
231	0.02420796	0.11115492
232	0.02879912	0.13995404
233	0.03361957	0.17357362
234	0.03850447	0.21207808
235	0.04325608	0.25533417
236	0.04765501	0.30298918
237	0.05147545	0.35446463
238	0.05450342	0.40896804
239	0.05655585	0.46552389
240	0.05749845	0.52302234
241	0.05725986	0.5802822
242	0.0558402	0.6361224
243	0.05331245	0.68943485
244	0.04981655	0.7392514
245	0.04554656	0.78479797
246	0.0407327	0.82553067
247	0.0356205	0.86115116
248	0.03044978	0.89160094
249	0.02543596	0.9170369
250	0.02075574	0.93779265
251	0.01653844	0.95433109
252	0.01286323	0.96719432
253	0.00976182	0.97695614
254	0.00722528	0.98418143
255	0.00521354	0.98939497
256	0.00366577	0.99306073
257	0.00251041	0.99557114
258	0.00167361	0.99724475
259	0.00108558	0.99833033
260	0.00068475	0.99901509
261	0.00041977	0.99943486
262	0.00024994	0.9996848
263	0.00014445	0.99982925
264	0.00008098	0.99991023
265	0.000044	0.99995424
266	0.00002316	0.9999774
267	0.0000118	0.99998919
268	0.00000581	0.999995
269	0.00000276	0.99999777
270	0.00000127	0.99999904
271	5.6e-7	0.9999996

272	2.4e-7	0.99999984
273	1e-7	0.99999994
274	4e-8	0.99999998
275	1e-8	0.99999999
276	1e-8	1
277	0	1
...	...	...
300	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 300</b>
Erwartungswert: $\mu = 240$		
Standardabweichung: $\sigma = 6.928$		
1 $\sigma$ -Intervall: $p(234 \leq X \leq 246) = 0.65195705$		
2 $\sigma$ -Intervall: $p(227 \leq X \leq 253) = 0.9490575$		
3 $\sigma$ -Intervall: $p(220 \leq X \leq 260) = 0.99691862$		

<b>p = 0.8</b>		<b>n = 310</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
204	0	0
205	0	1e-8
206	1e-8	2e-8
207	2e-8	3e-8
208	3e-8	7e-8
209	6e-8	1.3e-7
210	1.2e-7	2.5e-7
211	2.3e-7	4.9e-7
212	4.4e-7	9.3e-7
213	8.1e-7	0.00000173
214	0.00000146	0.0000032
215	0.00000261	0.00000581
216	0.0000046	0.00001041
217	0.00000797	0.00001838
218	0.0000136	0.00003198
219	0.00002285	0.00005484
220	0.00003781	0.00009265
221	0.00006159	0.00015424
222	0.00009877	0.00025301
223	0.0001559	0.00040891
224	0.00024221	0.00065112
225	0.00037031	0.00102143
226	0.00055711	0.00157854

227	0.00082461	0.00240315
228	0.00120075	0.00360391
229	0.00171986	0.00532376
230	0.00242276	0.00774652
231	0.0033562	0.01110272
232	0.00457137	0.01567409
233	0.00612132	0.02179541
234	0.00805713	0.02985254
235	0.01042283	0.04027537
236	0.01324937	0.05352474
237	0.01654773	0.07007247
238	0.02030226	0.09037473
239	0.02446465	0.11483938
240	0.02894983	0.14378921
241	0.03363466	0.17742387
242	0.03836019	0.21578406
243	0.04293816	0.25872222
244	0.04716158	0.3058838
245	0.05081901	0.35670281
246	0.05371115	0.41041396
247	0.05566824	0.46608219
248	0.05656611	0.52264831
249	0.05633894	0.57898724
250	0.0549868	0.63397405
251	0.05257702	0.68655107
252	0.0492388	0.73578987
253	0.04515178	0.78094165
254	0.04052995	0.8214716
255	0.03560278	0.85707438
256	0.03059614	0.88767051
257	0.02571504	0.91338555
258	0.02113019	0.93451574
259	0.01696942	0.95148516
260	0.01331447	0.96479963
261	0.01020266	0.97500228
262	0.00763252	0.98263481
263	0.00557203	0.98820684
264	0.00396796	0.9921748
265	0.00275511	0.99492991
266	0.00186436	0.99679427
267	0.00122894	0.99802322
268	0.00078872	0.99881194
269	0.00049259	0.99930453
270	0.0002992	0.99960373
271	0.00017665	0.99978038
272	0.00010131	0.99988169
273	0.00005641	0.9999381

274	0.00003047	0.99996857
275	0.00001595	0.99998452
276	0.00000809	0.99999262
277	0.00000397	0.99999659
278	0.00000189	0.99999848
279	8.7e-7	0.99999934
280	3.8e-7	0.99999973
281	1.6e-7	0.99999989
282	7e-8	0.99999996
283	3e-8	0.99999998
284	1e-8	0.99999999
285	0	1
...	...	...
310	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.8</b>	<b>n = 310</b>
Erwartungswert: $\mu = 248$		
Standardabweichung: $\sigma = 7.043$		
1 $\sigma$ -Intervall: $p(241 \leq X \leq 255) = 0.71328517$		
2 $\sigma$ -Intervall: $p(234 \leq X \leq 262) = 0.9608394$		
3 $\sigma$ -Intervall: $p(227 \leq X \leq 269) = 0.99772599$		

<b>p = 0.8</b>		<b>n = 320</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
211	0	0
212	0	1e-8
213	1e-8	1e-8
214	1e-8	3e-8
215	2e-8	5e-8
216	5e-8	1e-7
217	9e-8	1.9e-7
218	1.8e-7	3.7e-7
219	3.3e-7	7e-7
220	6e-7	0.0000013
221	0.00000109	0.00000239
222	0.00000194	0.00000433
223	0.00000342	0.00000775
224	0.00000592	0.00001367
225	0.0000101	0.00002377
226	0.00001698	0.00004075
227	0.00002813	0.00006889



228	0.0000459	0.00011479
229	0.00007376	0.00018855
230	0.00011674	0.00030529
231	0.00018193	0.00048722
232	0.00027917	0.00076639
233	0.00042175	0.00118814
234	0.00062722	0.00181536
235	0.00091814	0.0027335
236	0.00132274	0.00405624
237	0.00187528	0.00593152
238	0.00261594	0.00854745
239	0.00359007	0.01213753
240	0.0048466	0.01698412
241	0.00643532	0.02341944
242	0.00840314	0.03182258
243	0.01078922	0.0426118
244	0.01361918	0.05623098
245	0.0168989	0.07312987
246	0.02060841	0.09373828
247	0.02469672	0.118435
248	0.02907839	0.14751339
249	0.03363284	0.18114623
250	0.03820691	0.21935314
251	0.04262125	0.26197439
252	0.04668042	0.30865481
253	0.05018606	0.35884087
254	0.05295222	0.4117931
255	0.05482113	0.46661422
256	0.05567771	0.52229193
257	0.05546106	0.57775299
258	0.05417127	0.63192426
259	0.05187056	0.68379482
260	0.04867852	0.73247334
261	0.04476186	0.7772352
262	0.04031984	0.81755504
263	0.03556732	0.85312236
264	0.03071723	0.88383959
265	0.02596475	0.90980434
266	0.02147461	0.93127894
267	0.01737271	0.94865166
268	0.01374259	0.96239425
269	0.01062624	0.9730205
270	0.00802872	0.98104921
271	0.00592525	0.98697447
272	0.00426967	0.99124413
273	0.00300284	0.99424698
274	0.00206034	0.99630732

275	0.00137856	0.99768588
276	0.00089906	0.99858494
277	0.00057124	0.99915618
278	0.00035343	0.99950962
279	0.00021282	0.99972243
280	0.00012465	0.99984709
281	0.00007098	0.99991806
282	0.00003926	0.99995732
283	0.00002109	0.99997841
284	0.00001099	0.9999894
285	0.00000555	0.99999495
286	0.00000272	0.99999767
287	0.00000129	0.99999896
288	5.9e-7	0.99999955
289	2.6e-7	0.99999981
290	1.1e-7	0.99999992
291	5e-8	0.99999997
292	2e-8	0.99999999
293	1e-8	1
294	0	1
...	...	...
320	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 320</b>
Erwartungswert: $\mu = 256$		
Standardabweichung: $\sigma = 7.155$		
1 $\sigma$ -Intervall: $p(249 \leq X \leq 263) = 0.70560897$		
2 $\sigma$ -Intervall: $p(242 \leq X \leq 270) = 0.95762977$		
3 $\sigma$ -Intervall: $p(235 \leq X \leq 277) = 0.99734083$		

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<b>p = 0.8</b>		<b>n = 330</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
219	0	0
220	0	1e-8
221	1e-8	2e-8
222	2e-8	4e-8
223	4e-8	7e-8
224	7e-8	1.4e-7
225	1.3e-7	2.8e-7
226	2.5e-7	5.2e-7
227	4.5e-7	9.7e-7

228	8.1e-7	0.00000178
229	0.00000145	0.00000323
230	0.00000254	0.00000577
231	0.0000044	0.00001017
232	0.00000751	0.00001767
233	0.00001263	0.0000303
234	0.00002094	0.00005124
235	0.00003422	0.00008546
236	0.0000551	0.00014056
237	0.00008741	0.00022797
238	0.00013662	0.00036459
239	0.00021037	0.00057496
240	0.00031906	0.00089402
241	0.0004766	0.00137062
242	0.00070112	0.00207173
243	0.00101561	0.00308734
244	0.00144849	0.00453583
245	0.0020338	0.00656963
246	0.00281094	0.00938057
247	0.00382379	0.01320436
248	0.00511895	0.01832331
249	0.00674303	0.02506634
250	0.00873896	0.0338053
251	0.01114131	0.04494661
252	0.01397085	0.05891746
253	0.01722887	0.07614633
254	0.0208917	0.09703804
255	0.02490619	0.12194422
256	0.02918694	0.15113116
257	0.03361609	0.18474725
258	0.03804611	0.22279336
259	0.0423061	0.26509946
260	0.04621128	0.31131074
261	0.04957532	0.36088606
262	0.05222438	0.41311045
263	0.05401153	0.46712198
264	0.05482989	0.52195186
265	0.05462298	0.57657484
266	0.05339088	0.62996573
267	0.05119126	0.68115698
268	0.04813506	0.72929205
269	0.04437731	0.77366936
270	0.04010394	0.81377329
271	0.0355164	0.8492897
272	0.0308157	0.8801054
273	0.0261877	0.9062931
274	0.02179123	0.92808433

275	0.01774995	0.94583427
276	0.01414851	0.95998278
277	0.01103277	0.97101555
278	0.00841348	0.97942903
279	0.00627242	0.98570145
280	0.0045699	0.99027135
281	0.0032526	0.99352395
282	0.00226067	0.99578462
283	0.00153374	0.99731836
284	0.00101529	0.99833366
285	0.00065549	0.99898914
286	0.00041254	0.99940169
287	0.00025299	0.99965468
288	0.00015109	0.99980577
289	0.00008783	0.9998936
290	0.00004967	0.99994327
291	0.00002731	0.99997058
292	0.00001459	0.99998517
293	0.00000757	0.99999274
294	0.00000381	0.99999655
295	0.00000186	0.99999841
296	8.8e-7	0.99999929
297	4e-7	0.99999969
298	1.8e-7	0.99999987
299	8e-8	0.99999995
300	3e-8	0.99999998
301	1e-8	0.99999999
302	0	1
...	...	...
330	0	1

k	p(X=k)	p(x≤k)
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<b>p = 0.8</b>	<b>n = 330</b>
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Erwartungswert:  
 $\mu = 264$

Standardabweichung:  
 $\sigma = 7.266$

1σ-Intervall:  
 $p(257 \leq X \leq 271) = 0.69815853$

2σ-Intervall:  
 $p(250 \leq X \leq 278) = 0.95436269$

3σ-Intervall:  
 $p(243 \leq X \leq 285) = 0.99691741$

<b>p = 0.8</b>	<b>n = 340</b>
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k	p(X=k)	p(x≤k)
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0	0	0
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...	...	...
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226	0	0
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227	0	1e-8
228	1e-8	1e-8
229	1e-8	3e-8
230	3e-8	6e-8
231	5e-8	1.1e-7
232	1e-7	2.1e-7
233	1.8e-7	3.9e-7
234	3.4e-7	7.3e-7
235	6e-7	0.00000133
236	0.00000108	0.00000241
237	0.00000189	0.0000043
238	0.00000327	0.00000756
239	0.00000558	0.00001315
240	0.00000939	0.00002254
241	0.00001559	0.00003813
242	0.00002551	0.00006365
243	0.00004116	0.00010481
244	0.00006545	0.00017026
245	0.00010258	0.00027284
246	0.00015846	0.0004313
247	0.00024122	0.00067252
248	0.00036183	0.00103436
249	0.00053476	0.00156911
250	0.00077861	0.00234772
251	0.00111673	0.00346445
252	0.0015776	0.00504204
253	0.00219492	0.00723696
254	0.00300721	0.01024417
255	0.00405679	0.01430096
256	0.00538792	0.01968888
257	0.00704413	0.02673301
258	0.00906454	0.03579754
259	0.01147941	0.04727696
260	0.01430511	0.06158207
261	0.01753884	0.07912091
262	0.02115371	0.10027462
263	0.0250949	0.12536952
264	0.02927738	0.1546469
265	0.03358613	0.18823303
266	0.03787909	0.22611213
267	0.0419933	0.26810543
268	0.0457539	0.31385933
269	0.04898558	0.36284491
270	0.05152558	0.41437049
271	0.05323676	0.46760725
272	0.05401965	0.5216269
273	0.05382178	0.57544868

274	0.0526432	0.62809188
275	0.05053747	0.67862935
276	0.04760776	0.72623711
277	0.04399851	0.77023562
278	0.03988354	0.81011916
279	0.03545204	0.8455712
280	0.03089392	0.87646512
281	0.02638626	0.90285138
282	0.02208212	0.9249335
283	0.01810266	0.94303616
284	0.01453312	0.95756928
285	0.01142252	0.9689918
286	0.00878656	0.97777836
287	0.00661288	0.98439124
288	0.00486781	0.98925905
289	0.00350348	0.99276253
290	0.00246452	0.99522704
291	0.00169383	0.99692087
292	0.00113695	0.99805782
293	0.00074503	0.99880285
294	0.00047642	0.99927927
295	0.00029715	0.99957642
296	0.0001807	0.99975712
297	0.00010708	0.99986421
298	0.00006181	0.99992601
299	0.00003473	0.99996074
300	0.00001898	0.99997972
301	0.00001009	0.99998981
302	0.00000521	0.99999503
303	0.00000261	0.99999764
304	0.00000127	0.99999891
305	6e-7	0.99999952
306	2.7e-7	0.99999979
307	1.2e-7	0.99999991
308	5e-8	0.99999996
309	2e-8	0.99999999
310	1e-8	0.99999999
311	0	1
...	...	...
340	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 340</b>
Erwartungswert: $\mu = 272$		
Standardabweichung: $\sigma = 7.376$		
$1\sigma$ -Intervall: $p(265 \leq X \leq 279) = 0.69092429$		

$2\sigma$ -Intervall: $p(258 \leq X \leq 286) = 0.95104535$
$3\sigma$ -Intervall: $p(250 \leq X \leq 294) = 0.99771015$

<b>p = 0.8</b>		<b>n = 350</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
233	0	0
234	0	1e-8
235	1e-8	1e-8
236	1e-8	2e-8
237	2e-8	4e-8
238	4e-8	8e-8
239	7e-8	1.6e-7
240	1.4e-7	2.9e-7
241	2.5e-7	5.4e-7
242	4.5e-7	9.9e-7
243	8e-7	0.00000179
244	0.0000014	0.0000032
245	0.00000243	0.00000563
246	0.00000415	0.00000978
247	0.00000699	0.00001677
248	0.00001161	0.00002839
249	0.00001903	0.00004742
250	0.00003075	0.00007817
251	0.00004901	0.00012718
252	0.00007701	0.00020419
253	0.00011932	0.00032351
254	0.00018227	0.00050579
255	0.00027448	0.00078027
256	0.00040744	0.00118771
257	0.00059609	0.0017838
258	0.00085948	0.00264328
259	0.0012212	0.00386448
260	0.00170968	0.00557416
261	0.00235817	0.00793233
262	0.00320424	0.01113656
263	0.00428856	0.01542512
264	0.0056531	0.02107822
265	0.00733836	0.02841658
266	0.00937986	0.03779645
267	0.01180387	0.04960032
268	0.01462271	0.06422302
269	0.01782992	0.08205294
270	0.0213959	0.10344884

271	0.02526453	0.12871337
272	0.02935144	0.15806481
273	0.0335445	0.19160932
274	0.03770696	0.22931628
275	0.04168333	0.27099961
276	0.04530797	0.31630758
277	0.04841574	0.36472332
278	0.05085394	0.41557726
279	0.05249439	0.46807164
280	0.05324431	0.52131595
281	0.05305483	0.57437078
282	0.051926	0.62629678
283	0.04990768	0.67620445
284	0.04709598	0.72330043
285	0.04362575	0.76692618
286	0.03965977	0.80658594
287	0.03537596	0.84196191
288	0.03095397	0.87291587
289	0.02656257	0.89947844
290	0.0223492	0.92182764
291	0.01843233	0.94025997
292	0.01489736	0.95515733
293	0.01179586	0.9669532
294	0.00914781	0.97610101
295	0.00694614	0.98304715
296	0.00516267	0.98820981
297	0.00375467	0.99196448
298	0.00267111	0.99463559
299	0.00185816	0.99649375
300	0.00126355	0.9977573
301	0.00083957	0.99859686
302	0.00054488	0.99914175
303	0.00034527	0.99948702
304	0.00021352	0.99970055
305	0.00012881	0.99982936
306	0.00007577	0.99990514
307	0.00004344	0.99994858
308	0.00002426	0.99997284
309	0.00001319	0.99998602
310	0.00000698	0.999993
311	0.00000359	0.99999659
312	0.00000179	0.99999839
313	8.7e-7	0.99999926
314	4.1e-7	0.99999967
315	1.9e-7	0.99999986
316	8e-8	0.99999994
317	4e-8	0.99999998



318	1e-8	0.99999999
319	1e-8	1
320	0	1
...	...	...
350	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 350</b>
Erwartungswert: $\mu = 280$		
Standardabweichung: $\sigma = 7.483$		
1 $\sigma$ -Intervall: $p(273 \leq X \leq 287) = 0.68389709$		
2 $\sigma$ -Intervall: $p(266 \leq X \leq 294) = 0.94768443$		
3 $\sigma$ -Intervall: $p(258 \leq X \leq 302) = 0.99735795$		

<b>p = 0.8</b>		<b>n = 360</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
241	0	0
242	0	1e-8
243	1e-8	2e-8
244	2e-8	3e-8
245	3e-8	6e-8
246	6e-8	1.2e-7
247	1e-7	2.2e-7
248	1.9e-7	4.1e-7
249	3.4e-7	7.4e-7
250	6e-7	0.00000134
251	0.00000105	0.00000238
252	0.00000181	0.00000419
253	0.00000309	0.00000728
254	0.0000052	0.00001249
255	0.00000865	0.00002114
256	0.0000142	0.00003534
257	0.00002298	0.00005832
258	0.0000367	0.00009501
259	0.00005781	0.00015282
260	0.00008983	0.00024265
261	0.00013766	0.00038031
262	0.00020807	0.00058838
263	0.00031013	0.00089851
264	0.0004558	0.00135431
265	0.00066048	0.00201479
266	0.00094354	0.00295832

267	0.00132873	0.00428705
268	0.00184435	0.0061314
269	0.00252313	0.00865453
270	0.00340155	0.01205608
271	0.00451866	0.01657474
272	0.00591413	0.02248887
273	0.00762555	0.03011442
274	0.009685	0.03979942
275	0.01211506	0.05191448
276	0.01492435	0.06683883
277	0.01810318	0.08494201
278	0.02161962	0.10656163
279	0.02541662	0.13197825
280	0.02941066	0.16138891
281	0.03349256	0.19488147
282	0.03753068	0.23241215
283	0.04137658	0.27378872
284	0.04487319	0.31866191
285	0.04786473	0.36652664
286	0.05020776	0.4167344
287	0.05178222	0.46851662
288	0.05250142	0.52101804
289	0.05231975	0.5733378
290	0.05123728	0.62457507
291	0.04930047	0.67387554
292	0.04659908	0.72047462
293	0.04325921	0.76373383
294	0.03943357	0.80316739
295	0.0352897	0.83845709
296	0.03099771	0.8694548
297	0.02671856	0.89617337
298	0.02259422	0.91876759
299	0.01874036	0.93750794
300	0.01524216	0.9527501
301	0.01215322	0.96490332
302	0.00949721	0.97440053
303	0.00727179	0.98167233
304	0.00545385	0.98712617
305	0.00400545	0.99113162
306	0.00287973	0.99401135
307	0.00202613	0.99603749
308	0.00139461	0.9974321
309	0.00093877	0.99837086
310	0.00061777	0.99898863
311	0.00039728	0.99938591
312	0.00024957	0.99963548
313	0.00015309	0.99978858

314	0.00009166	0.99988024
315	0.00005354	0.99993378
316	0.0000305	0.99996428
317	0.00001693	0.99998121
318	0.00000916	0.99999037
319	0.00000482	0.99999519
320	0.00000247	0.99999766
321	0.00000123	0.9999989
322	6e-7	0.99999949
323	2.8e-7	0.99999977
324	1.3e-7	0.9999999
325	6e-8	0.99999996
326	2e-8	0.99999998
327	1e-8	0.99999999
328	0	1
...	...	...
360	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 360</b>
Erwartungswert: $\mu = 288$		
Standardabweichung: $\sigma = 7.589$		
1 $\sigma$ -Intervall: $p(281 \leq X \leq 295) = 0.67706819$		
2 $\sigma$ -Intervall: $p(273 \leq X \leq 303) = 0.95918346$		
3 $\sigma$ -Intervall: $p(266 \leq X \leq 310) = 0.99697385$		

<b>p = 0.8</b>		<b>n = 370</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
248	0	0
249	0	1e-8
250	1e-8	1e-8
251	1e-8	2e-8
252	2e-8	5e-8
253	4e-8	9e-8
254	8e-8	1.6e-7
255	1.4e-7	3e-7
256	2.5e-7	5.5e-7
257	4.4e-7	0.000001
258	7.8e-7	0.00000178
259	0.00000135	0.00000312
260	0.0000023	0.00000542
261	0.00000388	0.0000093

262	0.00000645	0.00001575
263	0.00001059	0.00002634
264	0.00001717	0.00004352
265	0.00002748	0.000071
266	0.00004339	0.00011438
267	0.0000676	0.00018199
268	0.00010393	0.00028591
269	0.00015763	0.00044354
270	0.00023586	0.0006794
271	0.00034813	0.00102752
272	0.00050683	0.00153436
273	0.00072776	0.00226212
274	0.00103055	0.00329267
275	0.00143903	0.0047317
276	0.00198127	0.00671297
277	0.00268937	0.00940234
278	0.00359873	0.01300107
279	0.00474671	0.01774778
280	0.00617073	0.02391851
281	0.00790556	0.03182407
282	0.00998007	0.04180413
283	0.01241337	0.0542175
284	0.01521075	0.06942825
285	0.01835964	0.08778789
286	0.02182614	0.10961403
287	0.02555256	0.13516659
288	0.02945642	0.16462301
289	0.03343151	0.19805452
290	0.03735107	0.23540559
291	0.04107334	0.27647892
292	0.04444923	0.32092815
293	0.0473316	0.36825975
294	0.04958549	0.41784524
295	0.05109826	0.4689435
296	0.05178878	0.52073229
297	0.05161441	0.57234669
298	0.05057519	0.62292189
299	0.04871457	0.67163645
300	0.04611646	0.71775291
301	0.04289903	0.76065194
302	0.03920574	0.79985767
303	0.03519459	0.83505226
304	0.03102681	0.86607907
305	0.02685599	0.89293506
306	0.02281882	0.91575387
307	0.01902807	0.93478194
308	0.01556842	0.95035036

309	0.01249504	0.9628454
310	0.00983481	0.97268021
311	0.00758956	0.98026977
312	0.00574082	0.98601059
313	0.00425518	0.99026577
314	0.00308975	0.99335552
315	0.00219715	0.99555267
316	0.00152966	0.99708234
317	0.00104229	0.99812463
318	0.00069486	0.99881949
319	0.00045308	0.99927257
320	0.00028884	0.99956141
321	0.00017996	0.99974137
322	0.00010954	0.99985091
323	0.00006511	0.99991602
324	0.00003778	0.9999538
325	0.00002139	0.99997519
326	0.00001181	0.99998701
327	0.00000636	0.99999336
328	0.00000333	0.9999967
329	0.0000017	0.9999984
330	8.5e-7	0.99999924
331	4.1e-7	0.99999965
332	1.9e-7	0.99999985
333	9e-8	0.99999993
334	4e-8	0.99999997
335	2e-8	0.99999999
336	1e-8	1
337	0	1
...	...	...
370	0	1

k	p(X=k)	p(x≤k)
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<b>p = 0.8</b>	<b>n = 370</b>
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Erwartungswert:  
 $\mu = 296$

Standardabweichung:  
 $\sigma = 7.694$

1σ-Intervall:  
 $p(289 \leq X \leq 303) = 0.67042925$

2σ-Intervall:  
 $p(281 \leq X \leq 311) = 0.95635126$

3σ-Intervall:  
 $p(273 \leq X \leq 319) = 0.99773821$

<b>p = 0.8</b>	<b>n = 380</b>
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k	p(X=k)	p(x≤k)
---	--------	--------

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

...	...	...
256	0	0
257	0	1e-8
258	1e-8	2e-8
259	2e-8	4e-8
260	3e-8	7e-8
261	6e-8	1.2e-7
262	1e-7	2.3e-7
263	1.9e-7	4.1e-7
264	3.3e-7	7.5e-7
265	5.8e-7	0.00000132
266	0.000001	0.00000233
267	0.00000171	0.00000404
268	0.00000289	0.00000693
269	0.00000481	0.00001173
270	0.00000791	0.00001964
271	0.00001284	0.00003248
272	0.00002058	0.00005306
273	0.00003256	0.00008562
274	0.00005087	0.00013649
275	0.00007843	0.00021491
276	0.00011934	0.00033425
277	0.00017923	0.00051348
278	0.00026562	0.0007791
279	0.00038843	0.00116754
280	0.00056046	0.00172799
281	0.0007978	0.00252579
282	0.00112032	0.00364611
283	0.00155182	0.00519793
284	0.00212009	0.00731801
285	0.00285654	0.01017455
286	0.0037954	0.01396995
287	0.00497237	0.01894232
288	0.00642264	0.02536496
289	0.00817832	0.03354328
290	0.0102652	0.04380847
291	0.01269921	0.05650769
292	0.0154826	0.07199029
293	0.01860026	0.09059054
294	0.02201663	0.11260717
295	0.02567363	0.1382808
296	0.02948998	0.16777078
297	0.0333624	0.20113319
298	0.03716885	0.23830204
299	0.04077386	0.27907589
300	0.04403577	0.32311166
301	0.04681543	0.36992709

302	0.04898568	0.41891277
303	0.0504407	0.46935348
304	0.0511044	0.52045788
305	0.05093684	0.57139472
306	0.04993808	0.6213328
307	0.04814877	0.66948157
308	0.04564753	0.7151291
309	0.04254527	0.75767437
310	0.03897696	0.79665133
311	0.0350918	0.83174313
312	0.03104274	0.86278587
313	0.02697644	0.88976231
314	0.02302448	0.91278679
315	0.01929671	0.9320835
316	0.01587704	0.94796054
317	0.01282183	0.96078237
318	0.0101607	0.97094307
319	0.00789923	0.9788423
320	0.00602316	0.98486546
321	0.0045033	0.98936875
322	0.00330055	0.99266931
323	0.00237068	0.99503998
324	0.00166825	0.99670824
325	0.00114981	0.99785805
326	0.00077595	0.99863399
327	0.00051255	0.99914655
328	0.00033128	0.99947783
329	0.00020944	0.99968727
330	0.00012947	0.99981675
331	0.00007823	0.99989498
332	0.00004619	0.99994116
333	0.00002663	0.99996779
334	0.00001499	0.99998278
335	0.00000823	0.99999102
336	0.00000441	0.99999543
337	0.0000023	0.99999773
338	0.00000117	0.9999989
339	5.8e-7	0.99999948
340	2.8e-7	0.99999976
341	1.3e-7	0.99999989
342	6e-8	0.99999995
343	3e-8	0.99999998
344	1e-8	0.99999999
345	0	1
...	...	...
380	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>

<b>p = 0.8</b>	<b>n = 380</b>
Erwartungswert: $\mu = 304$	
Standardabweichung: $\sigma = 7.797$	
1 $\sigma$ -Intervall: $p(297 \leq X \leq 311) = 0.66397234$	
2 $\sigma$ -Intervall: $p(289 \leq X \leq 319) = 0.95347733$	
3 $\sigma$ -Intervall: $p(281 \leq X \leq 327) = 0.99741855$	

<b>p = 0.8</b>		<b>n = 390</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
263	0	0
264	0	1e-8
265	1e-8	1e-8
266	1e-8	3e-8
267	2e-8	5e-8
268	4e-8	9e-8
269	8e-8	1.7e-7
270	1.4e-7	3.1e-7
271	2.5e-7	5.6e-7
272	4.3e-7	9.9e-7
273	7.5e-7	0.00000173
274	0.00000128	0.00000301
275	0.00000215	0.00000516
276	0.00000359	0.00000875
277	0.0000059	0.00001465
278	0.0000096	0.00002425
279	0.00001541	0.00003966
280	0.00002444	0.00006409
281	0.00003826	0.00010236
282	0.00005916	0.00016152
283	0.00009031	0.00025183
284	0.0001361	0.00038793
285	0.00020248	0.00059041
286	0.00029735	0.00088775
287	0.00043099	0.00131875
288	0.00061656	0.00193531
289	0.00087044	0.00280575
290	0.00121261	0.00401836
291	0.00166682	0.00568519
292	0.00226049	0.00794567
293	0.00302427	0.01096994
294	0.00399121	0.01496115



295	0.00519534	0.02015649
296	0.00666969	0.02682619
297	0.00844379	0.03526998
298	0.01054057	0.04581054
299	0.012973	0.05878355
300	0.01574058	0.07452413
301	0.01882594	0.09335007
302	0.02219217	0.11554224
303	0.025781	0.14132324
304	0.02951246	0.1708357
305	0.03328619	0.20412189
306	0.03698465	0.24110655
307	0.04047832	0.28158486
308	0.04363247	0.32521734
309	0.04631538	0.37153271
310	0.04840704	0.41993975
311	0.04980788	0.46974763
312	0.05044645	0.52019408
313	0.05028528	0.57047936
314	0.04932441	0.61980377
315	0.04760197	0.66740574
316	0.04519174	0.71259748
317	0.04219797	0.75479545
318	0.03874782	0.79354328
319	0.03498236	0.82852564
320	0.03104684	0.85957248
321	0.02708136	0.88665384
322	0.02321259	0.90986643
323	0.01954745	0.92941388
324	0.01616888	0.94558276
325	0.0131341	0.95871686
326	0.01047505	0.96919191
327	0.00820065	0.97739256
328	0.0063005	0.98369306
329	0.00474931	0.98844237
330	0.00351161	0.99195399
331	0.00254619	0.99450017
332	0.00180994	0.99631011
333	0.00126098	0.99757109
334	0.00086079	0.99843188
335	0.00057557	0.99900745
336	0.00037686	0.99938431
337	0.00024155	0.99962586
338	0.0001515	0.99977737
339	0.00009296	0.99987032
340	0.00005578	0.9999261
341	0.00003271	0.99995881

342	0.00001875	0.99997756
343	0.00001049	0.99998805
344	0.00000574	0.99999379
345	0.00000306	0.99999685
346	0.00000159	0.99999844
347	8.1e-7	0.99999925
348	4e-7	0.99999965
349	1.9e-7	0.99999984
350	9e-8	0.99999993
351	4e-8	0.99999997
352	2e-8	0.99999999
353	1e-8	0.99999999
354	0	1
...	...	...
390	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 390</b>
Erwartungswert: $\mu = 312$		
Standardabweichung: $\sigma = 7.899$		
1 $\sigma$ -Intervall: $p(305 \leq X \leq 319) = 0.65768993$		
2 $\sigma$ -Intervall: $p(297 \leq X \leq 327) = 0.95056637$		
3 $\sigma$ -Intervall: $p(289 \leq X \leq 335) = 0.99707214$		

<b>p = 0.8</b>		<b>n = 400</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
270	0	0
271	0	1e-8
272	1e-8	1e-8
273	1e-8	2e-8
274	2e-8	4e-8
275	3e-8	7e-8
276	6e-8	1.3e-7
277	1e-7	2.3e-7
278	1.8e-7	4.2e-7
279	3.2e-7	7.4e-7
280	5.6e-7	0.00000129
281	9.5e-7	0.00000224
282	0.0000016	0.00000385
283	0.00000267	0.00000652
284	0.00000441	0.00001093
285	0.00000718	0.00001811

286	0.00001154	0.00002965
287	0.00001834	0.00004798
288	0.00002878	0.00007676
289	0.00004461	0.00012138
290	0.00006831	0.00018969
291	0.00010328	0.00029297
292	0.00015421	0.00044718
293	0.00022737	0.00067455
294	0.00033101	0.00100556
295	0.00047575	0.00148131
296	0.00067505	0.00215636
297	0.00094553	0.00310188
298	0.00130724	0.00440912
299	0.00178379	0.00619291
300	0.00240217	0.00859507
301	0.00319225	0.01178732
302	0.00418586	0.01597318
303	0.00541537	0.02138855
304	0.00691173	0.02830028
305	0.00870198	0.03700226
306	0.01080637	0.04780863
307	0.01323517	0.0610438
308	0.01598533	0.07702913
309	0.01903755	0.09606668
310	0.02235377	0.11842045
311	0.02587574	0.14429619
312	0.02952489	0.17382108
313	0.03320371	0.20702479
314	0.03679901	0.2438238
315	0.04018686	0.28401066
316	0.04323903	0.32724969
317	0.04583064	0.37308033
318	0.04784834	0.42092867
319	0.04919829	0.47012696
320	0.04981327	0.51994023
321	0.04965809	0.56959832
322	0.04873278	0.61833111
323	0.04707315	0.66540426
324	0.04474855	0.71015282
325	0.04185711	0.75200993
326	0.03851881	0.79052874
327	0.03486718	0.82539592
328	0.0310403	0.85643622
329	0.02717205	0.88360827
330	0.02338443	0.9069927
331	0.01978139	0.92677409
332	0.01644477	0.94321887

333	0.01343237	0.95665123
334	0.01077807	0.9674293
335	0.00849376	0.97592306
336	0.00657255	0.98249561
337	0.0049928	0.98748841
338	0.00372244	0.99121085
339	0.0027232	0.99393406
340	0.0019543	0.99588836
341	0.00137546	0.99726382
342	0.00094915	0.99821296
343	0.00064199	0.99885495
344	0.0004255	0.99928046
345	0.00027627	0.99955672
346	0.00017566	0.99973239
347	0.00010935	0.99984173
348	0.00006661	0.99990835
349	0.0000397	0.99994805
350	0.00002314	0.99997119
351	0.00001319	0.99998437
352	0.00000734	0.99999171
353	0.00000399	0.99999571
354	0.00000212	0.99999783
355	0.0000011	0.99999893
356	5.6e-7	0.99999948
357	2.7e-7	0.99999976
358	1.3e-7	0.99999989
359	6e-8	0.99999995
360	3e-8	0.99999998
361	1e-8	0.99999999
362	1e-8	1
363	0	1
...	...	...
400	0	1

k	p(X=k)	p(x≤k)
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<b>p = 0.8</b>	<b>n = 400</b>
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Erwartungswert:  
 $\mu = 320$

Standardabweichung:  
 $\sigma = 8$

1 $\sigma$ -Intervall:  
 $p(312 \leq X \leq 328) = 0.71214002$

2 $\sigma$ -Intervall:  
 $p(304 \leq X \leq 336) = 0.96110706$

3 $\sigma$ -Intervall:  
 $p(296 \leq X \leq 344) = 0.99779915$

<b>p = 0.8</b>	<b>n = 410</b>
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k	p(X=k)	p(x≤k)
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0	0	0
---	---	---

...	...	...
278	0	0
279	0	1e-8
280	1e-8	1e-8
281	1e-8	3e-8
282	2e-8	5e-8
283	4e-8	1e-7
284	8e-8	1.7e-7
285	1.4e-7	3.1e-7
286	2.4e-7	5.5e-7
287	4.1e-7	9.6e-7
288	7.1e-7	0.00000167
289	0.0000012	0.00000287
290	0.000002	0.00000486
291	0.00000329	0.00000816
292	0.00000537	0.00001352
293	0.00000864	0.00002217
294	0.00001376	0.00003593
295	0.00002164	0.00005757
296	0.00003363	0.0000912
297	0.00005164	0.00014285
298	0.00007833	0.00022117
299	0.00011736	0.00033854
300	0.0001737	0.00051223
301	0.00025391	0.00076614
302	0.00036657	0.00113271
303	0.00052263	0.00165534
304	0.00073581	0.00239115
305	0.0010229	0.00341405
306	0.00140398	0.00481802
307	0.00190246	0.00672048
308	0.00254484	0.00926532
309	0.00336018	0.0126255
310	0.00437908	0.01700458
311	0.00563225	0.02263683
312	0.00714863	0.02978546
313	0.00895291	0.03873837
314	0.01106284	0.04980121
315	0.01348612	0.06328733
316	0.01621749	0.07950482
317	0.01923589	0.09874071
318	0.02250236	0.12124307
319	0.02595883	0.1472019
320	0.02952817	0.17673008
321	0.03311571	0.20984579
322	0.0366124	0.24645818
323	0.03989958	0.28635776

324	0.0428551	0.32921287
325	0.04536048	0.37457335
326	0.04730848	0.42188183
327	0.04861054	0.47049237
328	0.04920336	0.51969573
329	0.0490538	0.56874953
330	0.04816191	0.61691144
331	0.04656137	0.66347281
332	0.04431745	0.70779025
333	0.04152265	0.74931291
334	0.03829035	0.78760326
335	0.03474706	0.82235032
336	0.03102416	0.85337448
337	0.02724971	0.8806242
338	0.02354117	0.90416537
339	0.01999958	0.92416494
340	0.01670553	0.94087047
341	0.01371715	0.95458762
342	0.01106998	0.96565761
343	0.00877853	0.97443613
344	0.00683909	0.98127522
345	0.00523339	0.98650861
346	0.0039326	0.99044121
347	0.00290129	0.9933425
348	0.00210093	0.99544343
349	0.00149293	0.99693635
350	0.00104078	0.99797713
351	0.00071165	0.99868878
352	0.00047713	0.99916591
353	0.00031358	0.99947949
354	0.00020197	0.99968145
355	0.00012744	0.99980889
356	0.00007875	0.99988764
357	0.00004765	0.99993529
358	0.00002822	0.99996351
359	0.00001635	0.99997986
360	0.00000926	0.99998912
361	0.00000513	0.99999425
362	0.00000278	0.99999703
363	0.00000147	0.9999985
364	7.6e-7	0.99999926
365	3.8e-7	0.99999965
366	1.9e-7	0.99999983
367	9e-8	0.99999992
368	4e-8	0.99999997
369	2e-8	0.99999999
370	1e-8	0.99999999

371	0	1
...	...	...
410	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>	<b>n = 410</b>	
Erwartungswert: $\mu = 328$		
Standardabweichung: $\sigma = 8.099$		
1 $\sigma$ -Intervall: $p(320 \leq X \leq 336) = 0.70617258$		
2 $\sigma$ -Intervall: $p(312 \leq X \leq 344) = 0.95863839$		
3 $\sigma$ -Intervall: $p(304 \leq X \leq 352) = 0.99751057$		

<b>p = 0.8</b>		<b>n = 420</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
285	0	0
286	0	1e-8
287	1e-8	1e-8
288	1e-8	2e-8
289	2e-8	4e-8
290	3e-8	7e-8
291	6e-8	1.3e-7
292	1e-7	2.3e-7
293	1.8e-7	4.1e-7
294	3.1e-7	7.2e-7
295	5.3e-7	0.00000125
296	8.9e-7	0.00000214
297	0.00000149	0.00000363
298	0.00000246	0.00000609
299	0.00000401	0.0000101
300	0.00000647	0.00001658
301	0.00001033	0.0000269
302	0.00001627	0.00004317
303	0.00002535	0.00006853
304	0.00003903	0.00010755
305	0.00005937	0.00016692
306	0.00008925	0.00025618
307	0.00013257	0.00038875
308	0.00019455	0.0005833
309	0.00028207	0.00086537
310	0.00040399	0.00126936
311	0.00057157	0.00184093
312	0.00079873	0.00263966

313	0.0011024	0.00374205
314	0.00150263	0.00524469
315	0.00202259	0.00726728
316	0.00268825	0.00995553
317	0.0035278	0.01348333
318	0.00457061	0.01805394
319	0.0058458	0.02389974
320	0.00738032	0.03128006
321	0.00919666	0.04047672
322	0.01131018	0.0517869
323	0.01372628	0.06551319
324	0.01643765	0.08195084
325	0.01942172	0.10137255
326	0.02263881	0.12401136
327	0.02603117	0.15004253
328	0.02952316	0.17956569
329	0.03302286	0.21258855
330	0.03642522	0.24901376
331	0.03961655	0.28863031
332	0.0424804	0.33111071
333	0.0449042	0.37601491
334	0.04678641	0.42280133
335	0.04804336	0.47084469
336	0.04861531	0.51946
337	0.04847105	0.56793105
338	0.04761062	0.61554166
339	0.04606573	0.66160739
340	0.04389793	0.70550532
341	0.04119454	0.74669986
342	0.03806279	0.78476265
343	0.03462271	0.81938536
344	0.03099941	0.85038477
345	0.02731542	0.87770018
346	0.02368389	0.90138407
347	0.02020297	0.92158704
348	0.01695192	0.93853896
349	0.01398898	0.95252794
350	0.01135105	0.96387899
351	0.00905497	0.97293396
352	0.00709992	0.98003389
353	0.00547076	0.98550465
354	0.00414171	0.98964635
355	0.00308003	0.99272638
356	0.00224946	0.99497584
357	0.00161306	0.9965889
358	0.00113545	0.99772435
359	0.00078438	0.99850873



360	0.00053163	0.99904036
361	0.00035344	0.9993938
362	0.00023042	0.99962422
363	0.00014727	0.99977148
364	0.00009224	0.99986373
365	0.00005661	0.99992034
366	0.00003403	0.99995436
367	0.00002003	0.99997439
368	0.00001154	0.99998593
369	0.0000065	0.99999243
370	0.00000359	0.99999602
371	0.00000193	0.99999795
372	0.00000102	0.99999897
373	5.2e-7	0.99999949
374	2.6e-7	0.99999976
375	1.3e-7	0.99999989
376	6e-8	0.99999995
377	3e-8	0.99999998
378	1e-8	0.99999999
379	1e-8	1
380	0	1
...	...	...
420	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 420</b>
Erwartungswert: $\mu = 336$		
Standardabweichung: $\sigma = 8.198$		
1σ-Intervall: $p(328 \leq X \leq 344) = 0.70034224$		
2σ-Intervall: $p(320 \leq X \leq 352) = 0.95613414$		
3σ-Intervall: $p(312 \leq X \leq 360) = 0.99719943$		

<b>p = 0.8</b>		<b>n = 430</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
293	0	0
294	0	1e-8
295	1e-8	2e-8
296	1e-8	3e-8
297	2e-8	5e-8
298	4e-8	1e-7
299	8e-8	1.7e-7
300	1.3e-7	3.1e-7

301	2.3e-7	5.4e-7
302	3.9e-7	9.3e-7
303	6.7e-7	0.0000016
304	0.00000111	0.00000271
305	0.00000184	0.00000454
306	0.000003	0.00000755
307	0.00000485	0.0000124
308	0.00000775	0.00002014
309	0.00001224	0.00003238
310	0.0000191	0.00005148
311	0.00002948	0.00008097
312	0.00004498	0.00012595
313	0.00006783	0.00019378
314	0.0001011	0.00029487
315	0.00014892	0.00044379
316	0.00021678	0.00066057
317	0.00031184	0.00097241
318	0.00044324	0.00141565
319	0.00062248	0.00203813
320	0.00086369	0.00290182
321	0.00118387	0.00408569
322	0.00160301	0.0056887
323	0.00214396	0.00783266
324	0.00283215	0.01066481
325	0.00369487	0.01435968
326	0.00476026	0.01911993
327	0.00605586	0.0251758
328	0.00760675	0.03278255
329	0.0094333	0.04221584
330	0.01154864	0.05376449
331	0.01395606	0.06772055
332	0.01664639	0.08436694
333	0.01959575	0.10396269
334	0.02276392	0.12672661
335	0.02609357	0.15282018
336	0.02951059	0.18233077
337	0.03292576	0.21525653
338	0.03623782	0.25149434
339	0.03933781	0.29083215
340	0.04211459	0.33294675
341	0.04446116	0.3774079
342	0.0462812	0.4236891
343	0.04749558	0.47118468
344	0.04804785	0.51923253
345	0.04790858	0.56714112
346	0.0470778	0.61421892
347	0.04558542	0.65980433

348	0.04348954	0.70329387
349	0.04087269	0.74416656
350	0.03783643	0.78200299
351	0.03449475	0.81649774
352	0.03096688	0.84746462
353	0.02737016	0.87483478
354	0.02381359	0.89864837
355	0.02039248	0.91904085
356	0.01718467	0.93622552
357	0.01424836	0.95047388
358	0.01162156	0.96209544
359	0.00932315	0.97141859
360	0.00735493	0.97877352
361	0.00570465	0.98447818
362	0.0043494	0.98882758
363	0.00325906	0.99208664
364	0.00239953	0.99448616
365	0.00173555	0.99622171
366	0.0012329	0.99745462
367	0.00086001	0.99831462
368	0.00058892	0.99890354
369	0.0003958	0.99929935
370	0.00026102	0.99956036
371	0.00016885	0.99972922
372	0.00010712	0.99983634
373	0.00006663	0.99990296
374	0.00004062	0.99994358
375	0.00002426	0.99996785
376	0.0000142	0.99998204
377	0.00000813	0.99999017
378	0.00000456	0.99999474
379	0.0000025	0.99999724
380	0.00000134	0.99999858
381	7.1e-7	0.99999929
382	3.6e-7	0.99999965
383	1.8e-7	0.99999983
384	9e-8	0.99999992
385	4e-8	0.99999996
386	2e-8	0.99999998
387	1e-8	0.99999999
388	0	1
...	...	...
430	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.8</b>	<b>n = 430</b>
Erwartungswert: $\mu = 344$		

Standardabweichung: $\sigma = 8.295$
1 $\sigma$ -Intervall: $p(336 \leq X \leq 352) = 0.69464444$
2 $\sigma$ -Intervall: $p(328 \leq X \leq 360) = 0.95359773$
3 $\sigma$ -Intervall: $p(320 \leq X \leq 368) = 0.99686541$

p = 0.8		n = 440
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
300	0	0
301	0	1e-8
302	1e-8	1e-8
303	1e-8	2e-8
304	2e-8	4e-8
305	3e-8	7e-8
306	6e-8	1.3e-7
307	1e-7	2.3e-7
308	1.7e-7	4e-7
309	2.9e-7	6.9e-7
310	5e-7	0.00000119
311	8.3e-7	0.00000202
312	0.00000137	0.00000339
313	0.00000225	0.00000564
314	0.00000363	0.00000927
315	0.00000581	0.00001509
316	0.0000092	0.00002428
317	0.00001439	0.00003867
318	0.00002227	0.00006094
319	0.00003406	0.000095
320	0.00005152	0.00014652
321	0.00007704	0.00022356
322	0.00011388	0.00033744
323	0.00016642	0.00050386
324	0.00024038	0.00074424
325	0.00034319	0.00108742
326	0.00048425	0.00157168
327	0.00067529	0.00224696
328	0.00093058	0.00317754
329	0.00126717	0.00444471
330	0.00170492	0.00614963
331	0.00226636	0.00841599
332	0.0029763	0.01139229
333	0.00386115	0.01525344
334	0.00494782	0.02020126

335	0.00626232	0.02646358
336	0.00782789	0.03429147
337	0.00966292	0.0439544
338	0.01177847	0.05573287
339	0.01417586	0.06990873
340	0.01684426	0.08675298
341	0.01975866	0.10651164
342	0.02287845	0.12939009
343	0.0261468	0.15553688
344	0.02949115	0.18502804
345	0.03282494	0.21785298
346	0.03605051	0.25390348
347	0.03906338	0.29296686
348	0.0417574	0.33472426
349	0.04403073	0.37875499
350	0.04579196	0.42454694
351	0.04696611	0.47151305
352	0.04749981	0.51901287
353	0.04736525	0.56637812
354	0.04656245	0.61294057
355	0.04511967	0.65806024
356	0.04309182	0.70115207
357	0.04055701	0.74170908
358	0.03761153	0.7793206
359	0.03436374	0.81368434
360	0.03092736	0.8446117
361	0.02741484	0.87202654
362	0.02393118	0.89595772
363	0.02056895	0.91652667
364	0.0174045	0.93393117
365	0.0144958	0.94842697
366	0.0118818	0.96030877
367	0.00958314	0.96989192
368	0.00760402	0.97749593
369	0.00593484	0.98343078
370	0.00455539	0.98798617
371	0.00343803	0.9914242
372	0.0025508	0.993975
373	0.0018601	0.9958351
374	0.00133291	0.997168
375	0.00093837	0.99810637
376	0.00064887	0.99875524
377	0.00044061	0.99919585
378	0.00029374	0.99948959
379	0.00019221	0.9996818
380	0.00012342	0.99980522
381	0.00007774	0.99988296

382	0.00004803	0.999931
383	0.00002909	0.99996009
384	0.00001727	0.99997736
385	0.00001005	0.99998742
386	0.00000573	0.99999314
387	0.0000032	0.99999634
388	0.00000175	0.99999809
389	9.3e-7	0.99999902
390	4.9e-7	0.99999951
391	2.5e-7	0.99999976
392	1.2e-7	0.99999989
393	6e-8	0.99999995
394	3e-8	0.99999998
395	1e-8	0.99999999
396	1e-8	1
397	0	1
...	...	...
440	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 440</b>
Erwartungswert: $\mu = 352$		
Standardabweichung: $\sigma = 8.39$		
1σ-Intervall: $p(344 \leq X \leq 360) = 0.68907482$		
2σ-Intervall: $p(336 \leq X \leq 368) = 0.95103235$		
3σ-Intervall: $p(327 \leq X \leq 377) = 0.99762417$		

<b>p = 0.8</b>		<b>n = 450</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
308	0	0
309	0	1e-8
310	1e-8	2e-8
311	1e-8	3e-8
312	2e-8	5e-8
313	4e-8	1e-7
314	7e-8	1.7e-7
315	1.3e-7	3e-7
316	2.2e-7	5.2e-7
317	3.7e-7	8.9e-7
318	6.2e-7	0.00000151
319	0.00000103	0.00000253
320	0.00000168	0.00000422

321	0.00000272	0.00000694
322	0.00000436	0.0000113
323	0.00000691	0.00001821
324	0.00001084	0.00002905
325	0.00001681	0.00004586
326	0.00002578	0.00007165
327	0.00003911	0.00011075
328	0.00005866	0.00016942
329	0.00008701	0.00025643
330	0.00012762	0.00038405
331	0.00018507	0.00056911
332	0.00026534	0.00083445
333	0.00037609	0.00121054
334	0.00052698	0.00173752
335	0.00072991	0.00246743
336	0.00099928	0.00346671
337	0.00135214	0.00481884
338	0.00180818	0.00662702
339	0.00238957	0.0090166
340	0.0031205	0.0121371
341	0.00402646	0.01616356
342	0.00513314	0.0212967
343	0.00646507	0.02776177
344	0.00804374	0.03580551
345	0.00988565	0.04569116
346	0.01199992	0.05769107
347	0.01438607	0.07207714
348	0.01703178	0.08910892
349	0.01991108	0.10902
350	0.02298307	0.13200307
351	0.02619154	0.15819461
352	0.02946548	0.18766009
353	0.03272087	0.22038096
354	0.03586355	0.25624451
355	0.03879325	0.29503776
356	0.04140853	0.33644629
357	0.04361234	0.38005863
358	0.04531785	0.42537649
359	0.04645396	0.47183044
360	0.04697011	0.51880056
361	0.04684	0.56564056
362	0.04606365	0.6117042
363	0.04466778	0.65637198
364	0.04270436	0.69907634
365	0.0402474	0.73932374
366	0.03738829	0.77671203
367	0.03423015	0.81094218

368	0.03088155	0.84182373
369	0.02745027	0.869274
370	0.02403753	0.89331153
371	0.02073318	0.91404471
372	0.01761206	0.93165677
373	0.0147318	0.94638857
374	0.01213207	0.95852064
375	0.00983507	0.96835571
376	0.00784713	0.97620283
377	0.00616114	0.98236397
378	0.0047594	0.98712337
379	0.00361664	0.99074001
380	0.00270296	0.99344298
381	0.00198643	0.9954294
382	0.00143522	0.99686463
383	0.00101927	0.9978839
384	0.00071137	0.99859526
385	0.00048779	0.99908305
386	0.00032857	0.99941162
387	0.00021735	0.99962897
388	0.00014116	0.99977013
389	0.00009	0.99986012
390	0.0000563	0.99991643
391	0.00003456	0.99995099
392	0.00002081	0.9999718
393	0.00001228	0.99998408
394	0.00000711	0.99999119
395	0.00000403	0.99999522
396	0.00000224	0.99999746
397	0.00000122	0.99999868
398	6.5e-7	0.99999932
399	3.4e-7	0.99999966
400	1.7e-7	0.99999984
401	9e-8	0.99999992
402	4e-8	0.99999996
403	2e-8	0.99999998
404	1e-8	0.99999999
405	0	1
...	...	...
450	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.8</b>	<b>n = 450</b>
Erwartungswert: $\mu = 360$		
Standardabweichung: $\sigma = 8.485$		
$1\sigma$ -Intervall: $p(352 \leq X \leq 368) = 0.68362913$		



$2\sigma$ -Intervall: $p(344 \leq X \leq 376) = 0.94844107$
$3\sigma$ -Intervall: $p(335 \leq X \leq 385) = 0.99734553$

<b>p = 0.8</b>		<b>n = 460</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
315	0	0
316	0	1e-8
317	1e-8	1e-8
318	1e-8	2e-8
319	2e-8	4e-8
320	3e-8	7e-8
321	6e-8	1.3e-7
322	1e-7	2.2e-7
323	1.6e-7	3.9e-7
324	2.8e-7	6.6e-7
325	4.6e-7	0.00000113
326	7.7e-7	0.00000189
327	0.00000126	0.00000315
328	0.00000204	0.00000519
329	0.00000327	0.00000846
330	0.0000052	0.00001366
331	0.00000816	0.00002182
332	0.00001269	0.00003451
333	0.00001951	0.00005402
334	0.00002967	0.00008369
335	0.00004464	0.00012833
336	0.00006643	0.00019476
337	0.00009777	0.00029253
338	0.00014232	0.00043485
339	0.00020487	0.00063972
340	0.00029164	0.00093136
341	0.00041052	0.00134188
342	0.00057136	0.00191324
343	0.00078625	0.00269949
344	0.00106967	0.00376916
345	0.00143863	0.00520779
346	0.00191262	0.00712041
347	0.00251342	0.00963383
348	0.00326456	0.01289838
349	0.0041906	0.01708899
350	0.00531608	0.02240507
351	0.00666403	0.0290691
352	0.00825431	0.03732341

353	0.0101016	0.04742501
354	0.01221323	0.05963824
355	0.01458707	0.0742253
356	0.01720946	0.09143476
357	0.0200536	0.11148837
358	0.02307845	0.13456681
359	0.02622843	0.16079524
360	0.02943413	0.19022937
361	0.03261399	0.22284336
362	0.03567718	0.25852054
363	0.03852743	0.29704797
364	0.0410677	0.33811566
365	0.04320547	0.38132113
366	0.04485813	0.42617926
367	0.0459582	0.47213746
368	0.04645774	0.5185952
369	0.04633184	0.56492704
370	0.04558051	0.61050756
371	0.04422907	0.65473663
372	0.04232674	0.69706337
373	0.03994374	0.73700711
374	0.0371669	0.77417401
375	0.03409444	0.80826845
376	0.03083008	0.83909852
377	0.0274772	0.86657573
378	0.02413342	0.89070914
379	0.02088591	0.91159505
380	0.01780799	0.92940304
381	0.01495684	0.94435988
382	0.01237267	0.95673256
383	0.01007905	0.9668116
384	0.00808423	0.97489584
385	0.0063834	0.98127923
386	0.00496119	0.98624042
387	0.0037946	0.99003502
388	0.00285573	0.99289076
389	0.00211427	0.99500503
390	0.00153962	0.99654465
391	0.00110254	0.99764719
392	0.00077628	0.99842347
393	0.00053727	0.99896074
394	0.00036545	0.9993262
395	0.00024425	0.99957045
396	0.00016037	0.99973082
397	0.00010341	0.99983423
398	0.00006548	0.99989971
399	0.0000407	0.9999404

400	0.00002483	0.99996523
401	0.00001486	0.99998009
402	0.00000872	0.99998881
403	0.00000502	0.99999383
404	0.00000283	0.99999667
405	0.00000157	0.99999823
406	8.5e-7	0.99999908
407	4.5e-7	0.99999953
408	2.3e-7	0.99999977
409	1.2e-7	0.99999989
410	6e-8	0.99999995
411	3e-8	0.99999997
412	1e-8	0.99999999
413	1e-8	0.99999999
414	0	1
...	...	...
460	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 460</b>
Erwartungswert: $\mu = 368$		
Standardabweichung: $\sigma = 8.579$		
1 $\sigma$ -Intervall: $p(360 \leq X \leq 376) = 0.67830328$		
2 $\sigma$ -Intervall: $p(351 \leq X \leq 385) = 0.95887416$		
3 $\sigma$ -Intervall: $p(343 \leq X \leq 393) = 0.9970475$		

<b>p = 0.8</b>		<b>n = 470</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
322	0	0
323	0	1e-8
324	0	1e-8
325	1e-8	2e-8
326	1e-8	3e-8
327	2e-8	5e-8
328	4e-8	1e-7
329	7e-8	1.7e-7
330	1.2e-7	2.9e-7
331	2.1e-7	5e-7
332	3.5e-7	8.4e-7
333	5.7e-7	0.00000141
334	9.4e-7	0.00000236
335	0.00000153	0.00000388

336	0.00000246	0.00000634
337	0.00000391	0.00001024
338	0.00000615	0.00001639
339	0.00000957	0.00002597
340	0.00001476	0.00004072
341	0.0000225	0.00006322
342	0.00003395	0.00009717
343	0.00005068	0.00014785
344	0.00007484	0.00022269
345	0.00010933	0.00033201
346	0.00015799	0.00049
347	0.00022582	0.00071582
348	0.00031927	0.00103509
349	0.00044643	0.00148152
350	0.00061735	0.00209887
351	0.00084424	0.00294311
352	0.00114164	0.00408474
353	0.00152649	0.00561124
354	0.00201808	0.00762931
355	0.00263771	0.01026703
356	0.00340828	0.0136753
357	0.00435343	0.01802874
358	0.00549651	0.02352525
359	0.00685916	0.03038441
360	0.00845963	0.03884404
361	0.0103109	0.04915494
362	0.01241866	0.0615736
363	0.01477923	0.07635283
364	0.01737778	0.09373061
365	0.02018679	0.11391739
366	0.02316516	0.13708256
367	0.02625806	0.16334062
368	0.02939761	0.19273823
369	0.03250468	0.22524291
370	0.03549159	0.2607345
371	0.03826587	0.29900037
372	0.04073463	0.339735
373	0.04280959	0.38254459
374	0.04441209	0.42695668
375	0.04547798	0.47243465
376	0.04596178	0.51839644
377	0.04583987	0.56423631
378	0.04511225	0.60934856
379	0.04380293	0.65315149
380	0.04195859	0.69511008
381	0.03964591	0.73475599
382	0.0369475	0.77170349

383	0.03395697	0.80566047
384	0.03077351	0.83643397
385	0.02749633	0.8639303
386	0.02421956	0.88814986
387	0.02102784	0.9091777
388	0.01799289	0.92717059
389	0.01517138	0.94234198
390	0.01260392	0.9549459
391	0.01031523	0.96526113
392	0.00831534	0.97357646
393	0.00660149	0.98017795
394	0.00516055	0.98533851
395	0.00397167	0.98931018
396	0.00300884	0.99231901
397	0.00224337	0.99456238
398	0.00164589	0.99620827
399	0.00118801	0.99739628
400	0.00084349	0.99823976
401	0.00058897	0.99882873
402	0.00040437	0.9992331
403	0.00027292	0.99950602
404	0.00018105	0.99968707
405	0.00011802	0.99980508
406	0.00007558	0.99988066
407	0.00004754	0.9999282
408	0.00002936	0.99995756
409	0.0000178	0.99997536
410	0.0000106	0.99998595
411	0.00000619	0.99999214
412	0.00000354	0.99999569
413	0.00000199	0.99999768
414	0.0000011	0.99999877
415	5.9e-7	0.99999936
416	3.1e-7	0.99999968
417	1.6e-7	0.99999984
418	8e-8	0.99999992
419	4e-8	0.99999996
420	2e-8	0.99999998
421	1e-8	0.99999999
422	0	1
...	...	...
470	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.8</b>	<b>n = 470</b>
Erwartungswert: $\mu = 376$		
Standardabweichung: $\sigma = 8.672$		

$1\sigma$ -Intervall: $p(368 \leq X \leq 384) = 0.67309336$
$2\sigma$ -Intervall: $p(359 \leq X \leq 393) = 0.9566527$
$3\sigma$ -Intervall: $p(350 \leq X \leq 402) = 0.99775157$

p = 0.8		n = 480
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
330	0	0
331	0	1e-8
332	1e-8	1e-8
333	1e-8	2e-8
334	2e-8	4e-8
335	3e-8	7e-8
336	5e-8	1.2e-7
337	9e-8	2.2e-7
338	1.5e-7	3.7e-7
339	2.6e-7	6.3e-7
340	4.3e-7	0.00000106
341	7e-7	0.00000176
342	0.00000114	0.00000291
343	0.00000184	0.00000475
344	0.00000294	0.00000768
345	0.00000463	0.00001231
346	0.00000722	0.00001954
347	0.00001116	0.00003069
348	0.00001706	0.00004775
349	0.0000258	0.00007355
350	0.00003863	0.00011219
351	0.00005723	0.00016942
352	0.0000839	0.00025332
353	0.00012169	0.00037501
354	0.00017463	0.00054964
355	0.00024792	0.00079756
356	0.00034821	0.00114577
357	0.00048378	0.00162955
358	0.00066486	0.00229441
359	0.00090377	0.00319818
360	0.00121507	0.00441325
361	0.0016156	0.00602886
362	0.00212439	0.00815324
363	0.00276229	0.01091553
364	0.00355151	0.01446704
365	0.0045148	0.01898184

366	0.00567434	0.02465618
367	0.0070504	0.03170658
368	0.00865973	0.04036632
369	0.01051371	0.05088003
370	0.01261646	0.06349649
371	0.01496291	0.0784594
372	0.01753718	0.09599658
373	0.02031116	0.11630774
374	0.02324378	0.13955152
375	0.02628097	0.1658325
376	0.0293564	0.1951889
377	0.03239327	0.22758217
378	0.03530695	0.26288913
379	0.03800854	0.30089767
380	0.04040908	0.34130675
381	0.04242423	0.38373099
382	0.04397905	0.42771003
383	0.0450125	0.47272253
384	0.04548138	0.51820391
385	0.04536324	0.56356715
386	0.04465812	0.60822527
387	0.04338876	0.65161404
388	0.04159954	0.69321357
389	0.0393538	0.73256738
390	0.03673022	0.76929759
391	0.0338181	0.80311569
392	0.03071236	0.83382805
393	0.02750827	0.86133632
394	0.02429664	0.88563297
395	0.02115961	0.90679258
396	0.01816734	0.92495992
397	0.01537589	0.9403358
398	0.01282612	0.95316192
399	0.01054377	0.9637057
400	0.00854046	0.97224615
401	0.00681533	0.97906148
402	0.00535732	0.9844188
403	0.0041476	0.98856641
404	0.00316203	0.99172844
405	0.00237348	0.99410192
406	0.0017538	0.99585572
407	0.00127549	0.99713121
408	0.00091285	0.99804406
409	0.00064279	0.99868686
410	0.00044525	0.99913211
411	0.00030333	0.99943544
412	0.0002032	0.99963864

413	0.00013383	0.99977247
414	0.00008663	0.99985911
415	0.00005511	0.99991422
416	0.00003444	0.99994866
417	0.00002115	0.99996981
418	0.00001275	0.99998256
419	0.00000755	0.9999901
420	0.00000438	0.99999449
421	0.0000025	0.99999698
422	0.0000014	0.99999838
423	7.7e-7	0.99999915
424	4.1e-7	0.99999956
425	2.2e-7	0.99999978
426	1.1e-7	0.99999989
427	6e-8	0.99999995
428	3e-8	0.99999997
429	1e-8	0.99999999
430	1e-8	0.99999999
431	0	1
...	...	...
480	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 480</b>
Erwartungswert: $\mu = 384$		
Standardabweichung: $\sigma = 8.764$		
1 $\sigma$ -Intervall: $p(376 \leq X \leq 392) = 0.66799556$		
2 $\sigma$ -Intervall: $p(367 \leq X \leq 401) = 0.9544053$		
3 $\sigma$ -Intervall: $p(358 \leq X \leq 410) = 0.99750256$		

<b>p = 0.8</b>		<b>n = 490</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
337	0	0
338	0	1e-8
339	0	1e-8
340	1e-8	2e-8
341	1e-8	3e-8
342	2e-8	5e-8
343	4e-8	9e-8
344	7e-8	1.6e-7
345	1.2e-7	2.8e-7
346	1.9e-7	4.7e-7



347	3.2e-7	7.9e-7
348	5.3e-7	0.00000132
349	8.6e-7	0.00000218
350	0.00000138	0.00000356
351	0.00000221	0.00000576
352	0.00000348	0.00000925
353	0.00000545	0.0000147
354	0.00000843	0.00002313
355	0.00001292	0.00003605
356	0.0000196	0.00005566
357	0.00002943	0.00008509
358	0.00004374	0.00012882
359	0.00006433	0.00019315
360	0.00009363	0.00028678
361	0.00013487	0.00042165
362	0.00019225	0.0006139
363	0.00027116	0.00088505
364	0.00037843	0.00126348
365	0.00052254	0.00178602
366	0.00071385	0.00249987
367	0.00096477	0.00346464
368	0.00128985	0.00475449
369	0.00170582	0.00646031
370	0.0022314	0.00869171
371	0.00288699	0.0115787
372	0.0036941	0.0152728
373	0.00467457	0.01994738
374	0.00584947	0.02579684
375	0.00723774	0.03303458
376	0.00885468	0.04188927
377	0.01071017	0.05259944
378	0.01280687	0.06540631
379	0.01513847	0.08054478
380	0.0176881	0.09823288
381	0.02042721	0.11866009
382	0.02331482	0.14197491
383	0.02629766	0.16827257
384	0.02931093	0.1975835
385	0.03228009	0.2298636
386	0.03512342	0.26498701
387	0.0377554	0.30274241
388	0.04009079	0.3428332
389	0.04204895	0.38488215
390	0.0435584	0.42844055
391	0.04456102	0.47300158
392	0.04501573	0.5180173
393	0.04490118	0.56291849

394	0.04421741	0.6071359
395	0.04298604	0.65012194
396	0.04124923	0.69137116
397	0.03906728	0.73043844
398	0.03651515	0.76695359
399	0.03367813	0.80063172
400	0.0306471	0.83127882
401	0.0275136	0.85879242
402	0.02436528	0.8831577
403	0.02128183	0.90443954
404	0.01833188	0.92277141
405	0.01557078	0.93834219
406	0.01303957	0.95138176
407	0.01076485	0.96214661
408	0.00875964	0.97090625
409	0.00702484	0.97793109
410	0.00555134	0.98348243
411	0.00432221	0.98780464
412	0.00331509	0.99111973
413	0.00250438	0.99362411
414	0.00186316	0.99548727
415	0.00136482	0.9968521
416	0.00098425	0.99783634
417	0.00069865	0.99853499
418	0.00048805	0.99902304
419	0.00033546	0.99935851
420	0.00022684	0.99958534
421	0.00015087	0.99973621
422	0.00009867	0.99983488
423	0.00006345	0.99989833
424	0.0000401	0.99993843
425	0.00002491	0.99996334
426	0.0000152	0.99997855
427	0.00000912	0.99998766
428	0.00000537	0.99999303
429	0.0000031	0.99999613
430	0.00000176	0.99999789
431	9.8e-7	0.99999887
432	5.4e-7	0.99999941
433	2.9e-7	0.9999997
434	1.5e-7	0.99999985
435	8e-8	0.99999992
436	4e-8	0.99999996
437	2e-8	0.99999998
438	1e-8	0.99999999
439	0	1
...	...	...

490	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.8</b>		<b>n = 490</b>
Erwartungswert: $\mu = 392$		
Standardabweichung: $\sigma = 8.854$		
1 $\sigma$ -Intervall: $p(384 \leq X \leq 400) = 0.66300625$		
2 $\sigma$ -Intervall: $p(375 \leq X \leq 409) = 0.95213425$		
3 $\sigma$ -Intervall: $p(366 \leq X \leq 418) = 0.99723703$		

<b>p = 0.8</b>		<b>n = 500</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
345	0	0
346	0	1e-8
347	1e-8	1e-8
348	1e-8	2e-8
349	2e-8	4e-8
350	3e-8	7e-8
351	5e-8	1.2e-7
352	9e-8	2.1e-7
353	1.4e-7	3.5e-7
354	2.4e-7	5.9e-7
355	3.9e-7	9.9e-7
356	6.4e-7	0.00000163
357	0.00000104	0.00000267
358	0.00000166	0.00000432
359	0.00000262	0.00000695
360	0.00000411	0.00001105
361	0.00000637	0.00001743
362	0.00000979	0.00002722
363	0.00001488	0.0000421
364	0.00002241	0.00006451
365	0.0000334	0.00009791
366	0.00004928	0.00014718
367	0.00007197	0.00021915
368	0.00010404	0.00032319
369	0.00014887	0.00047207
370	0.00021083	0.0006829
371	0.00029551	0.00097841
372	0.0004099	0.00138831
373	0.00056265	0.00195096
374	0.00076424	0.0027152

375	0.00102714	0.00374235
376	0.00136588	0.00510823
377	0.00179702	0.00690525
378	0.00233898	0.00924422
379	0.00301167	0.01225589
380	0.00383591	0.0160918
381	0.00483265	0.02092445
382	0.00602183	0.02694628
383	0.00742116	0.03436744
384	0.00904454	0.04341198
385	0.01090043	0.05431241
386	0.01299015	0.06730255
387	0.01530622	0.08260878
388	0.01783096	0.10043974
389	0.0205354	0.12097514
390	0.02337876	0.1443539
391	0.02630858	0.17066248
392	0.02926159	0.19992406
393	0.03216541	0.23208947
394	0.0349411	0.26703057
395	0.0375064	0.30453697
396	0.03977951	0.34431648
397	0.04168332	0.3859998
398	0.04314957	0.42914937
399	0.04412286	0.47327223
400	0.04456409	0.51783632
401	0.04445296	0.56228928
402	0.04378948	0.60607876
403	0.04259424	0.648673
404	0.04090734	0.68958034
405	0.03878621	0.72836655
406	0.03630237	0.76466892
407	0.03353732	0.79820624
408	0.03057815	0.82878439
409	0.02751286	0.85629725
410	0.02442605	0.8807233
411	0.02139508	0.90211838
412	0.01848701	0.92060539
413	0.01575648	0.93636187
414	0.01324458	0.94960645
415	0.01097864	0.96058509
416	0.00897293	0.96955802
417	0.00722998	0.976788
418	0.00574248	0.98253047
419	0.0044953	0.98702578
420	0.00346781	0.99049358
421	0.00263586	0.99312944

422	0.00197377	0.99510322
423	0.00145583	0.99655905
424	0.00105754	0.99761659
425	0.00075645	0.99837304
426	0.00053271	0.99890575
427	0.00036928	0.99927503
428	0.00025194	0.99952697
429	0.00016913	0.99969611
430	0.00011171	0.99980781
431	0.00007257	0.99988038
432	0.00004636	0.99992675
433	0.00002913	0.99995587
434	0.00001799	0.99997386
435	0.00001092	0.99998477
436	0.00000651	0.99999128
437	0.00000381	0.9999951
438	0.00000219	0.99999729
439	0.00000124	0.99999853
440	6.9e-7	0.99999922
441	3.7e-7	0.99999959
442	2e-7	0.99999979
443	1e-7	0.99999989
444	5e-8	0.99999995
445	3e-8	0.99999997
446	1e-8	0.99999999
447	1e-8	0.99999999
448	0	1
...	...	...
500	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.8</b>	<b>n = 500</b>
Erwartungswert: $\mu = 400$		
Standardabweichung: $\sigma = 8.944$		
1 $\sigma$ -Intervall: $p(392 \leq X \leq 408) = 0.65812191$		
2 $\sigma$ -Intervall: $p(383 \leq X \leq 417) = 0.94984172$		
3 $\sigma$ -Intervall: $p(374 \leq X \leq 426) = 0.99695479$		