

# Mathematik > Wahrscheinlichkeitstabeln > Binomialverteilung

## Wahrscheinlichkeitstafel: Binomialverteilung B(100, 0.5) bis B(500, 0.5) (Schrittweite 10)

100- bis 500-malig durchgeführtes Bernoulli-Experiment (T = Treffer, N = Nichttreffer) mit Trefferwahrscheinlichkeit  $p = 0.5$ , 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 = 0.5		n = 100
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
21	0	0
22	1e-8	1e-8
23	2e-8	3e-8
24	6e-8	9e-8
25	1.9e-7	2.8e-7
26	5.5e-7	8.3e-7
27	0.00000151	0.00000235
28	0.00000394	0.00000629
29	0.00000979	0.00001608
30	0.00002317	0.00003925
31	0.00005232	0.00009157
32	0.00011282	0.00020439
33	0.00023247	0.00043686
34	0.00045811	0.00089497
35	0.00086386	0.00175882
36	0.00155974	0.00331856
37	0.00269793	0.00601649
38	0.00447288	0.01048937
39	0.00711073	0.0176001
40	0.01084387	0.02844397
41	0.01586907	0.04431304
42	0.02229227	0.06660531
43	0.03006864	0.09667395
44	0.03895256	0.13562651
45	0.0484743	0.18410081
46	0.0579584	0.24205921
47	0.0665905	0.30864971
48	0.07352701	0.38217672
49	0.07802866	0.46020538
50	0.07958924	0.53979462
51	0.07802866	0.61782328
52	0.07352701	0.69135029
53	0.0665905	0.75794079
54	0.0579584	0.81589919
55	0.0484743	0.86437349
56	0.03895256	0.90332605

57	0.03006864	0.93339469
58	0.02229227	0.95568696
59	0.01586907	0.97155603
60	0.01084387	0.9823999
61	0.00711073	0.98951063
62	0.00447288	0.99398351
63	0.00269793	0.99668144
64	0.00155974	0.99824118
65	0.00086386	0.99910503
66	0.00045811	0.99956314
67	0.00023247	0.99979561
68	0.00011282	0.99990843
69	0.00005232	0.99996075
70	0.00002317	0.99998392
71	0.00000979	0.99999371
72	0.00000394	0.99999765
73	0.00000151	0.99999917
74	5.5e-7	0.99999972
75	1.9e-7	0.99999991
76	6e-8	0.99999997
77	2e-8	0.99999999
78	1e-8	1
79	0	1
...	...	...
100	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 100</b>
Erwartungswert: $\mu = 50$		
Standardabweichung: $\sigma = 5$		
1σ-Intervall: $p(45 \leq X \leq 55) = 0.72874698$		
2σ-Intervall: $p(40 \leq X \leq 60) = 0.9647998$		
3σ-Intervall: $p(35 \leq X \leq 65) = 0.99821007$		

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<b>p = 0.5</b>		<b>n = 110</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
25	0	0
26	1e-8	1e-8
27	3e-8	4e-8
28	8e-8	1.3e-7
29	2.4e-7	3.6e-7
30	6.4e-7	0.00000101

31	0.00000166	0.00000267
32	0.00000411	0.00000678
33	0.00000971	0.00001648
34	0.00002198	0.00003846
35	0.00004773	0.00008619
36	0.00009943	0.00018563
37	0.00019887	0.00038449
38	0.00038203	0.00076653
39	0.00070529	0.00147182
40	0.0012519	0.00272371
41	0.00213738	0.0048611
42	0.00351141	0.00837251
43	0.00555293	0.01392544
44	0.0084556	0.02238105
45	0.01240155	0.0347826
46	0.01752393	0.05230653
47	0.02386237	0.0761689
48	0.03131937	0.10748827
49	0.03962859	0.14711685
50	0.04834687	0.19546373
51	0.05687868	0.2523424
52	0.06453542	0.31687782
53	0.07062367	0.38750149
54	0.0745472	0.4620487
55	0.07590261	0.5379513
56	0.0745472	0.61249851
57	0.07062367	0.68312218
58	0.06453542	0.7476576
59	0.05687868	0.80453627
60	0.04834687	0.85288315
61	0.03962859	0.89251173
62	0.03131937	0.9238311
63	0.02386237	0.94769347
64	0.01752393	0.9652174
65	0.01240155	0.97761895
66	0.0084556	0.98607456
67	0.00555293	0.99162749
68	0.00351141	0.9951389
69	0.00213738	0.99727629
70	0.0012519	0.99852818
71	0.00070529	0.99923347
72	0.00038203	0.99961551
73	0.00019887	0.99981437
74	0.00009943	0.99991381
75	0.00004773	0.99996154
76	0.00002198	0.99998352
77	0.00000971	0.99999322

78	0.00000411	0.99999733
79	0.00000166	0.99999899
80	6.4e-7	0.99999964
81	2.4e-7	0.99999987
82	8e-8	0.99999996
83	3e-8	0.99999999
84	1e-8	1
85	0	1
...	...	...
110	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.5</b>	<b>n = 110</b>
Erwartungswert: $\mu = 55$		
Standardabweichung: $\sigma = 5.244$		
1σ-Intervall: $p(50 \leq X \leq 60) = 0.70576629$		
2σ-Intervall: $p(45 \leq X \leq 65) = 0.95523791$		
3σ-Intervall: $p(40 \leq X \leq 70) = 0.99705636$		

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	<b>p = 0.5</b>	<b>n = 120</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
28	0	0
29	0	1e-8
30	1e-8	2e-8
31	4e-8	6e-8
32	1e-7	1.6e-7
33	2.7e-7	4.3e-7
34	7e-7	0.00000114
35	0.00000173	0.00000287
36	0.00000408	0.00000695
37	0.00000927	0.00001622
38	0.00002024	0.00003646
39	0.00004256	0.00007902
40	0.00008618	0.0001652
41	0.00016816	0.00033336
42	0.0003163	0.00064967
43	0.00057376	0.00122343
44	0.00100408	0.00222751
45	0.00169578	0.0039233
46	0.00276487	0.00668816
47	0.00435319	0.01104136
48	0.00662048	0.01766184

49	0.00972806	0.0273899
50	0.01381384	0.04120374
51	0.01896017	0.06016391
52	0.02515869	0.08532261
53	0.03227908	0.11760168
54	0.04004997	0.15765165
55	0.04805996	0.20571161
56	0.05578388	0.26149549
57	0.06263453	0.32413003
58	0.06803406	0.39216409
59	0.07149342	0.46365751
60	0.07268498	0.53634249
61	0.07149342	0.60783591
62	0.06803406	0.67586997
63	0.06263453	0.73850451
64	0.05578388	0.79428839
65	0.04805996	0.84234835
66	0.04004997	0.88239832
67	0.03227908	0.91467739
68	0.02515869	0.93983609
69	0.01896017	0.95879626
70	0.01381384	0.9726101
71	0.00972806	0.98233816
72	0.00662048	0.98895864
73	0.00435319	0.99331184
74	0.00276487	0.9960767
75	0.00169578	0.99777249
76	0.00100408	0.99877657
77	0.00057376	0.99935033
78	0.0003163	0.99966664
79	0.00016816	0.9998348
80	0.00008618	0.99992098
81	0.00004256	0.99996354
82	0.00002024	0.99998378
83	0.00000927	0.99999305
84	0.00000408	0.99999713
85	0.00000173	0.99999886
86	7e-7	0.99999957
87	2.7e-7	0.99999984
88	1e-7	0.99999994
89	4e-8	0.99999998
90	1e-8	0.99999999
91	0	1
...	...	...
120	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.5</b>	<b>n = 120</b>

Erwartungswert: $\mu = 60$
Standardabweichung: $\sigma = 5.477$
1 $\sigma$ -Intervall: $p(55 \leq X \leq 65) = 0.6846967$
2 $\sigma$ -Intervall: $p(50 \leq X \leq 70) = 0.9452202$
3 $\sigma$ -Intervall: $p(44 \leq X \leq 76) = 0.99755314$

p = 0.5		n = 130
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
32	0	0
33	1e-8	1e-8
34	2e-8	2e-8
35	4e-8	7e-8
36	1.2e-7	1.9e-7
37	3e-7	4.9e-7
38	7.3e-7	0.00000122
39	0.00000172	0.00000294
40	0.00000392	0.00000686
41	0.0000086	0.00001546
42	0.00001823	0.00003369
43	0.00003731	0.000071
44	0.00007377	0.00014477
45	0.00014099	0.00028576
46	0.00026052	0.00054628
47	0.00046561	0.00101189
48	0.00080512	0.00181701
49	0.00134734	0.00316434
50	0.00218269	0.00534703
51	0.00342382	0.00877085
52	0.00520157	0.01397242
53	0.00765514	0.02162757
54	0.01091567	0.03254323
55	0.01508347	0.04762671
56	0.02020108	0.06782778
57	0.02622596	0.09405374
58	0.03300854	0.12706228
59	0.0402816	0.16734388
60	0.04766656	0.21501044
61	0.05469933	0.26970978
62	0.06087507	0.33058484
63	0.06570642	0.39629126
64	0.06878641	0.46507767

65	0.06984466	0.53492233
66	0.06878641	0.60370874
67	0.06570642	0.66941516
68	0.06087507	0.73029022
69	0.05469933	0.78498956
70	0.04766656	0.83265612
71	0.0402816	0.87293772
72	0.03300854	0.90594626
73	0.02622596	0.93217222
74	0.02020108	0.95237329
75	0.01508347	0.96745677
76	0.01091567	0.97837243
77	0.00765514	0.98602758
78	0.00520157	0.99122915
79	0.00342382	0.99465297
80	0.00218269	0.99683566
81	0.00134734	0.99818299
82	0.00080512	0.99898811
83	0.00046561	0.99945372
84	0.00026052	0.99971424
85	0.00014099	0.99985523
86	0.00007377	0.999929
87	0.00003731	0.99996631
88	0.00001823	0.99998454
89	0.0000086	0.99999314
90	0.00000392	0.99999706
91	0.00000172	0.99999878
92	7.3e-7	0.99999951
93	3e-7	0.99999981
94	1.2e-7	0.99999993
95	4e-8	0.99999998
96	2e-8	0.99999999
97	1e-8	1
98	0	1
...	...	...
130	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 130</b>
Erwartungswert: $\mu = 65$		
Standardabweichung: $\sigma = 5.701$		
1 $\sigma$ -Intervall: $p(60 \leq X \leq 70) = 0.66531224$		
2 $\sigma$ -Intervall: $p(54 \leq X \leq 76) = 0.95674487$		
3 $\sigma$ -Intervall: $p(48 \leq X \leq 82) = 0.99797622$		

p = 0.5		n = 140
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
36	0	0
37	1e-8	1e-8
38	2e-8	3e-8
39	5e-8	8e-8
40	1.3e-7	2.1e-7
41	3.1e-7	5.2e-7
42	7.3e-7	0.00000125
43	0.00000166	0.00000291
44	0.00000366	0.00000657
45	0.00000782	0.00001439
46	0.00001614	0.00003053
47	0.00003228	0.00006281
48	0.00006255	0.00012537
49	0.00011744	0.00024281
50	0.00021375	0.00045656
51	0.0003772	0.00083376
52	0.00064559	0.00147935
53	0.00107193	0.00255128
54	0.001727	0.00427827
55	0.00270039	0.00697867
56	0.00409881	0.01107748
57	0.00604035	0.01711783
58	0.00864395	0.02576178
59	0.01201363	0.03777541
60	0.0162184	0.05399381
61	0.02127003	0.07526385
62	0.02710214	0.10236599
63	0.03355503	0.13592102
64	0.0403709	0.17629191
65	0.04720289	0.22349481
66	0.05363965	0.27713446
67	0.05924379	0.33637825
68	0.06359996	0.39997821
69	0.06636517	0.46634338
70	0.06731324	0.53365662
71	0.06636517	0.60002179
72	0.06359996	0.66362175
73	0.05924379	0.72286554
74	0.05363965	0.77650519
75	0.04720289	0.82370809
76	0.0403709	0.86407898
77	0.03355503	0.89763401
78	0.02710214	0.92473615



79	0.02127003	0.94600619
80	0.0162184	0.96222459
81	0.01201363	0.97423822
82	0.00864395	0.98288217
83	0.00604035	0.98892252
84	0.00409881	0.99302133
85	0.00270039	0.99572173
86	0.001727	0.99744872
87	0.00107193	0.99852065
88	0.00064559	0.99916624
89	0.0003772	0.99954344
90	0.00021375	0.99975719
91	0.00011744	0.99987463
92	0.00006255	0.99993719
93	0.00003228	0.99996947
94	0.00001614	0.99998561
95	0.00000782	0.99999343
96	0.00000366	0.99999709
97	0.00000166	0.99999875
98	7.3e-7	0.99999948
99	3.1e-7	0.99999979
100	1.3e-7	0.99999992
101	5e-8	0.99999997
102	2e-8	0.99999999
103	1e-8	1
104	0	1
...	...	...
140	0	1

k	p(X=k)	p(x≤k)
	<b>p = 0.5</b>	<b>n = 140</b>
Erwartungswert: $\mu = 70$		
Standardabweichung: $\sigma = 5.916$		
1σ-Intervall: $p(65 \leq X \leq 75) = 0.64741617$		
2σ-Intervall: $p(59 \leq X \leq 81) = 0.94847643$		
3σ-Intervall: $p(53 \leq X \leq 87) = 0.9970413$		

k	p(X=k)	p(x≤k)
	<b>p = 0.5</b>	<b>n = 150</b>
0	0	0
...	...	...
40	0	0
41	1e-8	1e-8
42	2e-8	3e-8

43	5e-8	9e-8
44	1.3e-7	2.2e-7
45	3.1e-7	5.3e-7
46	7.1e-7	0.00000124
47	0.00000156	0.0000028
48	0.00000335	0.00000615
49	0.00000698	0.00001313
50	0.0000141	0.00002724
51	0.00002765	0.00005489
52	0.00005265	0.00010754
53	0.00009735	0.00020489
54	0.00017487	0.00037975
55	0.00030522	0.00068497
56	0.00051779	0.00120276
57	0.00085389	0.00205665
58	0.00136917	0.00342582
59	0.00213498	0.0055608
60	0.00323805	0.00879885
61	0.00477745	0.0135763
62	0.00685795	0.02043425
63	0.00957936	0.03001361
64	0.01302194	0.04303555
65	0.01722903	0.06026458
66	0.02218891	0.08245349
67	0.02781893	0.11027242
68	0.03395546	0.14422787
69	0.04035286	0.18458073
70	0.04669402	0.23127476
71	0.05261298	0.28388774
72	0.05772814	0.34161588
73	0.06168212	0.403298
74	0.06418274	0.46748074
75	0.06503851	0.53251926
76	0.06418274	0.596702
77	0.06168212	0.65838412
78	0.05772814	0.71611226
79	0.05261298	0.76872524
80	0.04669402	0.81541927
81	0.04035286	0.85577213
82	0.03395546	0.88972758
83	0.02781893	0.91754651
84	0.02218891	0.93973542
85	0.01722903	0.95696445
86	0.01302194	0.96998639
87	0.00957936	0.97956575
88	0.00685795	0.9864237
89	0.00477745	0.99120115

90	0.00323805	0.9944392
91	0.00213498	0.99657418
92	0.00136917	0.99794335
93	0.00085389	0.99879724
94	0.00051779	0.99931503
95	0.00030522	0.99962025
96	0.00017487	0.99979511
97	0.00009735	0.99989246
98	0.00005265	0.99994511
99	0.00002765	0.99997276
100	0.0000141	0.99998687
101	0.00000698	0.99999385
102	0.00000335	0.9999972
103	0.00000156	0.99999876
104	7.1e-7	0.99999947
105	3.1e-7	0.99999978
106	1.3e-7	0.99999991
107	5e-8	0.99999997
108	2e-8	0.99999999
109	1e-8	1
110	0	1
...	...	...
150	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 150</b>
Erwartungswert: $\mu = 75$		
Standardabweichung: $\sigma = 6.124$		
1 $\sigma$ -Intervall: $p(69 \leq X \leq 81) = 0.71154425$		
2 $\sigma$ -Intervall: $p(63 \leq X \leq 87) = 0.95913151$		
3 $\sigma$ -Intervall: $p(57 \leq X \leq 93) = 0.99759448$		

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<b>p = 0.5</b>		<b>n = 160</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
43	0	0
44	0	1e-8
45	1e-8	1e-8
46	2e-8	4e-8
47	6e-8	9e-8
48	1.3e-7	2.3e-7
49	3e-7	5.3e-7
50	6.7e-7	0.00000119

51	0.00000144	0.00000263
52	0.00000302	0.00000565
53	0.00000615	0.00001181
54	0.00001219	0.000024
55	0.0000235	0.00004749
56	0.00004405	0.00009155
57	0.00008038	0.00017193
58	0.00014274	0.00031467
59	0.00024678	0.00056145
60	0.00041541	0.00097686
61	0.000681	0.00165787
62	0.00108741	0.00274527
63	0.00169152	0.0044368
64	0.00256371	0.00700051
65	0.00378641	0.01078691
66	0.00545013	0.01623705
67	0.00764645	0.0238835
68	0.01045765	0.03434115
69	0.01394353	0.04828468
70	0.01812659	0.06641127
71	0.02297737	0.08938863
72	0.02840258	0.11779121
73	0.03423873	0.15202994
74	0.04025364	0.19228358
75	0.0461575	0.23844108
76	0.05162352	0.2900646
77	0.05631657	0.34638117
78	0.05992661	0.40630778
79	0.0622023	0.46851008
80	0.06297983	0.53148992
81	0.0622023	0.59369222
82	0.05992661	0.65361883
83	0.05631657	0.7099354
84	0.05162352	0.76155892
85	0.0461575	0.80771642
86	0.04025364	0.84797006
87	0.03423873	0.88220879
88	0.02840258	0.91061137
89	0.02297737	0.93358873
90	0.01812659	0.95171532
91	0.01394353	0.96565885
92	0.01045765	0.9761165
93	0.00764645	0.98376295
94	0.00545013	0.98921309
95	0.00378641	0.99299949
96	0.00256371	0.9955632
97	0.00169152	0.99725473

98	0.00108741	0.99834213
99	0.000681	0.99902314
100	0.00041541	0.99943855
101	0.00024678	0.99968533
102	0.00014274	0.99982807
103	0.00008038	0.99990845
104	0.00004405	0.99995251
105	0.0000235	0.999976
106	0.00001219	0.99998819
107	0.00000615	0.99999435
108	0.00000302	0.99999737
109	0.00000144	0.99999881
110	6.7e-7	0.99999947
111	3e-7	0.99999977
112	1.3e-7	0.99999991
113	6e-8	0.99999996
114	2e-8	0.99999999
115	1e-8	0.99999999
116	0	1
...	...	...
160	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 160</b>
Erwartungswert: $\mu = 80$		
Standardabweichung: $\sigma = 6.325$		
1 $\sigma$ -Intervall: $p(74 \leq X \leq 86) = 0.69594012$		
2 $\sigma$ -Intervall: $p(68 \leq X \leq 92) = 0.952233$		
3 $\sigma$ -Intervall: $p(62 \leq X \leq 98) = 0.99668427$		

<b>p = 0.5</b>		<b>n = 170</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
47	0	0
48	0	1e-8
49	1e-8	2e-8
50	2e-8	4e-8
51	6e-8	1e-7
52	1.3e-7	2.2e-7
53	2.9e-7	5.1e-7
54	6.2e-7	0.00000113
55	0.00000131	0.00000244
56	0.00000268	0.00000512

57	0.00000536	0.00001048
58	0.00001045	0.00002093
59	0.00001983	0.00004076
60	0.00003669	0.00007746
61	0.00006617	0.00014362
62	0.00011633	0.00025995
63	0.00019942	0.00045937
64	0.00033341	0.00079278
65	0.00054371	0.00133649
66	0.00086499	0.00220149
67	0.00134268	0.00354416
68	0.00203376	0.00557792
69	0.00300643	0.00858435
70	0.00433785	0.01292219
71	0.00610964	0.01903183
72	0.00840076	0.02743259
73	0.01127773	0.03871032
74	0.01478297	0.05349329
75	0.0189222	0.07241548
76	0.02365275	0.09606823
77	0.02887478	0.12494302
78	0.03442763	0.15937064
79	0.04009293	0.19946357
80	0.04560571	0.24506928
81	0.05067301	0.29574229
82	0.05499876	0.35074105
83	0.05831193	0.40905298
84	0.0603945	0.46944749
85	0.06110503	0.53055251
86	0.0603945	0.59094702
87	0.05831193	0.64925895
88	0.05499876	0.70425771
89	0.05067301	0.75493072
90	0.04560571	0.80053643
91	0.04009293	0.84062936
92	0.03442763	0.87505698
93	0.02887478	0.90393177
94	0.02365275	0.92758452
95	0.0189222	0.94650671
96	0.01478297	0.96128968
97	0.01127773	0.97256741
98	0.00840076	0.98096817
99	0.00610964	0.98707781
100	0.00433785	0.99141565
101	0.00300643	0.99442208
102	0.00203376	0.99645584
103	0.00134268	0.99779851

104	0.00086499	0.99866351
105	0.00054371	0.99920722
106	0.00033341	0.99954063
107	0.00019942	0.99974005
108	0.00011633	0.99985638
109	0.00006617	0.99992254
110	0.00003669	0.99995924
111	0.00001983	0.99997907
112	0.00001045	0.99998952
113	0.00000536	0.99999488
114	0.00000268	0.99999756
115	0.00000131	0.99999887
116	6.2e-7	0.99999949
117	2.9e-7	0.99999978
118	1.3e-7	0.9999999
119	6e-8	0.99999996
120	2e-8	0.99999998
121	1e-8	0.99999999
122	0	1
...	...	...
170	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 170</b>
Erwartungswert: $\mu = 85$		
Standardabweichung: $\sigma = 6.519$		
1 $\sigma$ -Intervall: $p(79 \leq X \leq 91) = 0.68125872$		
2 $\sigma$ -Intervall: $p(72 \leq X \leq 98) = 0.96193633$		
3 $\sigma$ -Intervall: $p(66 \leq X \leq 104) = 0.99732702$		

<b>p = 0.5</b>		<b>n = 180</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
51	0	0
52	0	1e-8
53	1e-8	2e-8
54	2e-8	4e-8
55	5e-8	1e-7
56	1.2e-7	2.2e-7
57	2.7e-7	4.8e-7
58	5.6e-7	0.00000105
59	0.00000117	0.00000222
60	0.00000236	0.00000457

61	0.00000463	0.00000921
62	0.00000889	0.0000181
63	0.00001666	0.00003475
64	0.00003045	0.0000652
65	0.00005434	0.00011954
66	0.00009468	0.00021422
67	0.0001611	0.00037531
68	0.0002677	0.00064302
69	0.00043453	0.00107755
70	0.00068905	0.0017666
71	0.00106754	0.00283414
72	0.00161614	0.00445028
73	0.002391	0.00684127
74	0.00345725	0.01029852
75	0.00488625	0.01518477
76	0.00675074	0.02193551
77	0.00911788	0.03105338
78	0.01204027	0.04309366
79	0.01554567	0.05863933
80	0.01962641	0.07826573
81	0.02423013	0.10249587
82	0.02925345	0.13174932
83	0.03454022	0.16628955
84	0.03988573	0.20617528
85	0.04504742	0.2512227
86	0.04976168	0.30098438
87	0.05376549	0.35474987
88	0.05682035	0.41157022
89	0.05873565	0.47030587
90	0.05938826	0.52969413
91	0.05873565	0.58842978
92	0.05682035	0.64525013
93	0.05376549	0.69901562
94	0.04976168	0.7487773
95	0.04504742	0.79382472
96	0.03988573	0.83371045
97	0.03454022	0.86825068
98	0.02925345	0.89750413
99	0.02423013	0.92173427
100	0.01962641	0.94136067
101	0.01554567	0.95690634
102	0.01204027	0.96894662
103	0.00911788	0.97806449
104	0.00675074	0.98481523
105	0.00488625	0.98970148
106	0.00345725	0.99315873
107	0.002391	0.99554972



108	0.00161614	0.99716586
109	0.00106754	0.9982334
110	0.00068905	0.99892245
111	0.00043453	0.99935698
112	0.0002677	0.99962469
113	0.0001611	0.99978578
114	0.00009468	0.99988046
115	0.00005434	0.9999348
116	0.00003045	0.99996525
117	0.00001666	0.9999819
118	0.00000889	0.99999079
119	0.00000463	0.99999543
120	0.00000236	0.99999778
121	0.00000117	0.99999895
122	5.6e-7	0.99999952
123	2.7e-7	0.99999978
124	1.2e-7	0.9999999
125	5e-8	0.99999996
126	2e-8	0.99999998
127	1e-8	0.99999999
128	0	1
...	...	...
180	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 180</b>
Erwartungswert: $\mu = 90$		
Standardabweichung: $\sigma = 6.708$		
1σ-Intervall: $p(84 \leq X \leq 96) = 0.66742091$		
2σ-Intervall: $p(77 \leq X \leq 103) = 0.95612899$		
3σ-Intervall: $p(70 \leq X \leq 110) = 0.99784489$		

<b>p = 0.5</b>		<b>n = 190</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
55	0	0
56	0	1e-8
57	1e-8	2e-8
58	2e-8	4e-8
59	5e-8	9e-8
60	1.1e-7	2.1e-7
61	2.4e-7	4.5e-7
62	5.1e-7	9.6e-7

63	0.00000103	0.00000199
64	0.00000205	0.00000404
65	0.00000397	0.00000802
66	0.00000752	0.00001554
67	0.00001393	0.00002946
68	0.00002519	0.00005465
69	0.00004454	0.00009919
70	0.00007698	0.00017617
71	0.00013011	0.00030628
72	0.00021504	0.00052133
73	0.00034761	0.00086893
74	0.00054959	0.00141853
75	0.00085004	0.00226857
76	0.00128624	0.00355481
77	0.00190431	0.00545912
78	0.00275881	0.00821793
79	0.00391122	0.01212915
80	0.00542682	0.01755597
81	0.00736975	0.02492572
82	0.00979638	0.0347221
83	0.0127471	0.0474692
84	0.01623737	0.06370657
85	0.02024896	0.08395553
86	0.02472257	0.10867809
87	0.02955341	0.13823151
88	0.03459093	0.17282243
89	0.03964353	0.21246596
90	0.04448885	0.25695482
91	0.04888885	0.30584367
92	0.05260865	0.35845232
93	0.05543708	0.4138894
94	0.05720634	0.47109574
95	0.05780852	0.52890426
96	0.05720634	0.5861106
97	0.05543708	0.64154768
98	0.05260865	0.69415633
99	0.04888885	0.74304518
100	0.04448885	0.78753404
101	0.03964353	0.82717757
102	0.03459093	0.86176849
103	0.02955341	0.89132191
104	0.02472257	0.91604447
105	0.02024896	0.93629343
106	0.01623737	0.9525308
107	0.0127471	0.9652779
108	0.00979638	0.97507428
109	0.00736975	0.98244403

110	0.00542682	0.98787085
111	0.00391122	0.99178207
112	0.00275881	0.99454088
113	0.00190431	0.99644519
114	0.00128624	0.99773143
115	0.00085004	0.99858147
116	0.00054959	0.99913107
117	0.00034761	0.99947867
118	0.00021504	0.99969372
119	0.00013011	0.99982383
120	0.00007698	0.99990081
121	0.00004454	0.99994535
122	0.00002519	0.99997054
123	0.00001393	0.99998446
124	0.00000752	0.99999198
125	0.00000397	0.99999596
126	0.00000205	0.99999801
127	0.00000103	0.99999904
128	5.1e-7	0.99999955
129	2.4e-7	0.99999979
130	1.1e-7	0.99999991
131	5e-8	0.99999996
132	2e-8	0.99999998
133	1e-8	0.99999999
134	0	1
...	...	...
190	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.5</b>	<b>n = 190</b>
Erwartungswert: $\mu = 95$		
Standardabweichung: $\sigma = 6.892$		
1 $\sigma$ -Intervall: $p(89 \leq X \leq 101) = 0.65435514$		
2 $\sigma$ -Intervall: $p(82 \leq X \leq 108) = 0.95014856$		
3 $\sigma$ -Intervall: $p(75 \leq X \leq 115) = 0.99716294$		

<b>p = 0.5</b>		<b>n = 200</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
59	0	0
60	0	1e-8
61	1e-8	2e-8
62	2e-8	4e-8

63	5e-8	9e-8
64	1.1e-7	2e-7
65	2.2e-7	4.2e-7
66	4.5e-7	8.7e-7
67	9e-7	0.00000177
68	0.00000177	0.00000354
69	0.00000339	0.00000693
70	0.00000634	0.00001326
71	0.0000116	0.00002486
72	0.00002078	0.00004565
73	0.00003644	0.00008209
74	0.00006255	0.00014464
75	0.00010508	0.00024971
76	0.00017282	0.00042253
77	0.00027831	0.00070085
78	0.00043887	0.00113972
79	0.00067775	0.00181747
80	0.0010251	0.00284258
81	0.00151867	0.00436125
82	0.00220393	0.00656518
83	0.00313329	0.00969847
84	0.00436423	0.0140627
85	0.00595589	0.0200186
86	0.00796427	0.02798287
87	0.01043595	0.03841882
88	0.0134007	0.05181952
89	0.01686381	0.06868333
90	0.02079869	0.08948202
91	0.02514128	0.1146233
92	0.02978695	0.14441025
93	0.0345913	0.17900155
94	0.0393752	0.21837674
95	0.04393443	0.26231118
96	0.04805329	0.31036446
97	0.05152105	0.36188551
98	0.05414967	0.41603519
99	0.05579057	0.47182576
100	0.05634848	0.52817424
101	0.05579057	0.58396481
102	0.05414967	0.63811449
103	0.05152105	0.68963554
104	0.04805329	0.73768882
105	0.04393443	0.78162326
106	0.0393752	0.82099845
107	0.0345913	0.85558975
108	0.02978695	0.8853767
109	0.02514128	0.91051798

110	0.02079869	0.93131667
111	0.01686381	0.94818048
112	0.0134007	0.96158118
113	0.01043595	0.97201713
114	0.00796427	0.9799814
115	0.00595589	0.9859373
116	0.00436423	0.99030153
117	0.00313329	0.99343482
118	0.00220393	0.99563875
119	0.00151867	0.99715742
120	0.0010251	0.99818253
121	0.00067775	0.99886028
122	0.00043887	0.99929915
123	0.00027831	0.99957747
124	0.00017282	0.99975029
125	0.00010508	0.99985536
126	0.00006255	0.99991791
127	0.00003644	0.99995435
128	0.00002078	0.99997514
129	0.0000116	0.99998674
130	0.00000634	0.99999307
131	0.00000339	0.99999646
132	0.00000177	0.99999823
133	9e-7	0.99999913
134	4.5e-7	0.99999958
135	2.2e-7	0.9999998
136	1.1e-7	0.99999991
137	5e-8	0.99999996
138	2e-8	0.99999998
139	1e-8	0.99999999
140	0	1
...	...	...
200	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.5</b>	<b>n = 200</b>
Erwartungswert: $\mu = 100$		
Standardabweichung: $\sigma = 7.071$		
1σ-Intervall: $p(93 \leq X \leq 107) = 0.7111795$		
2σ-Intervall: $p(86 \leq X \leq 114) = 0.95996281$		
3σ-Intervall: $p(79 \leq X \leq 121) = 0.99772056$		

p = 0.5		n = 210
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
63	0	0
64	0	1e-8
65	1e-8	2e-8
66	2e-8	4e-8
67	5e-8	8e-8
68	1e-7	1.8e-7
69	2e-7	3.8e-7
70	4e-7	7.8e-7
71	7.9e-7	0.00000156
72	0.00000152	0.00000308
73	0.00000287	0.00000595
74	0.00000531	0.00001127
75	0.00000963	0.0000209
76	0.00001711	0.00003801
77	0.00002978	0.0000678
78	0.00005078	0.00011858
79	0.00008486	0.00020344
80	0.00013895	0.00034239
81	0.00022301	0.0005654
82	0.00035083	0.00091623
83	0.00054104	0.00145727
84	0.000818	0.00227527
85	0.00121256	0.00348783
86	0.00176245	0.00525028
87	0.00251199	0.00776227
88	0.00351108	0.01127336
89	0.00481295	0.0160863
90	0.00647074	0.02255704
91	0.00853284	0.03108989
92	0.01103705	0.04212693
93	0.01400399	0.05613093
94	0.0174305	0.07356143
95	0.02128356	0.09484499
96	0.02549593	0.12034093
97	0.02996429	0.15030522
98	0.03455067	0.18485589
99	0.03908762	0.22394351
100	0.04338726	0.26733077
101	0.04725345	0.31458422
102	0.05049634	0.36508056
103	0.05294761	0.41802817
104	0.05447495	0.47250312
105	0.05499376	0.52749688

106	0.05447495	0.58197183
107	0.05294761	0.63491944
108	0.05049634	0.68541578
109	0.04725345	0.73266923
110	0.04338726	0.77605649
111	0.03908762	0.81514411
112	0.03455067	0.84969478
113	0.02996429	0.87965907
114	0.02549593	0.90515501
115	0.02128356	0.92643857
116	0.0174305	0.94386907
117	0.01400399	0.95787307
118	0.01103705	0.96891011
119	0.00853284	0.97744296
120	0.00647074	0.9839137
121	0.00481295	0.98872664
122	0.00351108	0.99223773
123	0.00251199	0.99474972
124	0.00176245	0.99651217
125	0.00121256	0.99772473
126	0.000818	0.99854273
127	0.00054104	0.99908377
128	0.00035083	0.9994346
129	0.00022301	0.99965761
130	0.00013895	0.99979656
131	0.00008486	0.99988142
132	0.00005078	0.9999322
133	0.00002978	0.99996199
134	0.00001711	0.9999791
135	0.00000963	0.99998873
136	0.00000531	0.99999405
137	0.00000287	0.99999692
138	0.00000152	0.99999844
139	7.9e-7	0.99999922
140	4e-7	0.99999962
141	2e-7	0.99999982
142	1e-7	0.99999992
143	5e-8	0.99999996
144	2e-8	0.99999998
145	1e-8	0.99999999
146	0	1
...	...	...
210	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.5</b>	<b>n = 210</b>
Erwartungswert: $\mu = 105$		

Standardabweichung: $\sigma = 7.246$
1 $\sigma$ -Intervall: $p(98 \leq X \leq 112) = 0.69938955$
2 $\sigma$ -Intervall: $p(91 \leq X \leq 119) = 0.95488591$
3 $\sigma$ -Intervall: $p(84 \leq X \leq 126) = 0.99708546$

p = 0.5		n = 220
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
67	0	0
68	0	1e-8
69	1e-8	2e-8
70	2e-8	4e-8
71	4e-8	8e-8
72	9e-8	1.6e-7
73	1.8e-7	3.4e-7
74	3.5e-7	6.9e-7
75	6.8e-7	0.00000137
76	0.0000013	0.00000266
77	0.00000242	0.00000509
78	0.00000444	0.00000953
79	0.00000798	0.00001751
80	0.00001407	0.00003158
81	0.00002432	0.00005589
82	0.00004122	0.00009711
83	0.00006853	0.00016564
84	0.00011177	0.00027741
85	0.00017883	0.00045624
86	0.00028072	0.00073696
87	0.00043237	0.00116933
88	0.00065347	0.0018228
89	0.0009692	0.002792
90	0.00141072	0.00420273
91	0.00201532	0.00621804
92	0.00282583	0.00904387
93	0.00388931	0.01293318
94	0.0052547	0.01818788
95	0.0069694	0.02515728
96	0.00907474	0.03423202
97	0.01160069	0.04583271
98	0.01456005	0.06039276
99	0.01794269	0.07833546
100	0.02171066	0.10004611
101	0.02579484	0.12584096



102	0.03009398	0.15593494
103	0.0344766	0.19041154
104	0.03878618	0.22919771
105	0.04284949	0.2720472
106	0.04648765	0.31853486
107	0.0495289	0.36806376
108	0.05182191	0.41988567
109	0.0532482	0.47313386
110	0.05373227	0.52686614
111	0.0532482	0.58011433
112	0.05182191	0.63193624
113	0.0495289	0.68146514
114	0.04648765	0.7279528
115	0.04284949	0.77080229
116	0.03878618	0.80958846
117	0.0344766	0.84406506
118	0.03009398	0.87415904
119	0.02579484	0.89995389
120	0.02171066	0.92166454
121	0.01794269	0.93960724
122	0.01456005	0.95416729
123	0.01160069	0.96576798
124	0.00907474	0.97484272
125	0.0069694	0.98181212
126	0.0052547	0.98706682
127	0.00388931	0.99095613
128	0.00282583	0.99378196
129	0.00201532	0.99579727
130	0.00141072	0.997208
131	0.0009692	0.9981772
132	0.00065347	0.99883067
133	0.00043237	0.99926304
134	0.00028072	0.99954376
135	0.00017883	0.99972259
136	0.00011177	0.99983436
137	0.00006853	0.99990289
138	0.00004122	0.99994411
139	0.00002432	0.99996842
140	0.00001407	0.99998249
141	0.00000798	0.99999047
142	0.00000444	0.99999491
143	0.00000242	0.99999734
144	0.0000013	0.99999863
145	6.8e-7	0.99999931
146	3.5e-7	0.99999966
147	1.8e-7	0.99999984
148	9e-8	0.99999992

149	4e-8	0.99999996
150	2e-8	0.99999998
151	1e-8	0.99999999
152	0	1
...	...	...
220	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 220</b>
Erwartungswert: $\mu = 110$		
Standardabweichung: $\sigma = 7.416$		
1 $\sigma$ -Intervall: $p(103 \leq X \leq 117) = 0.68813012$		
2 $\sigma$ -Intervall: $p(96 \leq X \leq 124) = 0.94968544$		
3 $\sigma$ -Intervall: $p(88 \leq X \leq 132) = 0.99766134$		

<b>p = 0.5</b>		<b>n = 230</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
71	0	0
72	0	1e-8
73	1e-8	2e-8
74	2e-8	3e-8
75	4e-8	7e-8
76	8e-8	1.5e-7
77	1.5e-7	3e-7
78	3e-7	6.1e-7
79	5.8e-7	0.00000119
80	0.0000011	0.00000229
81	0.00000204	0.00000432
82	0.0000037	0.00000803
83	0.0000066	0.00001462
84	0.00001155	0.00002617
85	0.00001983	0.000046
86	0.00003344	0.00007944
87	0.00005535	0.00013479
88	0.00008994	0.00022473
89	0.0001435	0.00036824
90	0.00022482	0.00059306
91	0.00034588	0.00093894
92	0.00052258	0.00146152
93	0.00077544	0.00223696
94	0.00113016	0.00336712
95	0.00161791	0.00498503

96	0.00227519	0.00726022
97	0.00314305	0.01040327
98	0.00426557	0.01466884
99	0.00568742	0.02035626
100	0.00745052	0.02780679
101	0.00958978	0.03739657
102	0.01212826	0.04952483
103	0.01507201	0.06459684
104	0.01840524	0.08300208
105	0.02208629	0.10508836
106	0.02604515	0.13111351
107	0.03018317	0.16131668
108	0.03437527	0.19569195
109	0.03847507	0.23416703
110	0.04232258	0.27648961
111	0.04575414	0.32224375
112	0.04861378	0.37085753
113	0.05076483	0.42162236
114	0.05210075	0.4737231
115	0.0525538	0.5262769
116	0.05210075	0.57837764
117	0.05076483	0.62914247
118	0.04861378	0.67775625
119	0.04575414	0.72351039
120	0.04232258	0.76583297
121	0.03847507	0.80430805
122	0.03437527	0.83868332
123	0.03018317	0.86886649
124	0.02604515	0.89491164
125	0.02208629	0.91699792
126	0.01840524	0.93540316
127	0.01507201	0.95047517
128	0.01212826	0.96260343
129	0.00958978	0.97219321
130	0.00745052	0.97964374
131	0.00568742	0.98533116
132	0.00426557	0.98959673
133	0.00314305	0.99273978
134	0.00227519	0.99501497
135	0.00161791	0.99663288
136	0.00113016	0.99776304
137	0.00077544	0.99853848
138	0.00052258	0.99906106
139	0.00034588	0.99940694
140	0.00022482	0.99963176
141	0.0001435	0.99977527
142	0.00008994	0.99986521

143	0.00005535	0.99992056
144	0.00003344	0.999954
145	0.00001983	0.99997383
146	0.00001155	0.99998538
147	0.0000066	0.99999197
148	0.0000037	0.99999568
149	0.00000204	0.99999771
150	0.0000011	0.99999881
151	5.8e-7	0.99999939
152	3e-7	0.9999997
153	1.5e-7	0.99999985
154	8e-8	0.99999993
155	4e-8	0.99999997
156	2e-8	0.99999998
157	1e-8	0.99999999
158	0	1
...	...	...
230	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 230</b>
Erwartungswert: $\mu = 115$		
Standardabweichung: $\sigma = 7.583$		
1 $\sigma$ -Intervall: $p(108 \leq X \leq 122) = 0.67736664$		
2 $\sigma$ -Intervall: $p(100 \leq X \leq 130) = 0.95928747$		
3 $\sigma$ -Intervall: $p(93 \leq X \leq 137) = 0.99707697$		

<b>p = 0.5</b>		<b>n = 240</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
75	0	0
76	0	1e-8
77	1e-8	1e-8
78	2e-8	3e-8
79	3e-8	7e-8
80	7e-8	1.3e-7
81	1.3e-7	2.7e-7
82	2.6e-7	5.3e-7
83	5e-7	0.00000103
84	9.3e-7	0.00000196
85	0.00000171	0.00000366
86	0.00000308	0.00000674
87	0.00000544	0.00001218

88	0.00000947	0.00002165
89	0.00001617	0.00003782
90	0.00002712	0.00006494
91	0.00004471	0.00010965
92	0.00007241	0.00018206
93	0.00011523	0.00029729
94	0.0001802	0.00047749
95	0.00027694	0.00075443
96	0.0004183	0.00117272
97	0.00062097	0.0017937
98	0.00090612	0.00269981
99	0.00129968	0.0039995
100	0.00183255	0.00583205
101	0.00254017	0.00837222
102	0.0034616	0.01183382
103	0.00463788	0.0164717
104	0.00610951	0.02258121
105	0.00791327	0.03049448
106	0.01007822	0.0405727
107	0.01262133	0.05319403
108	0.01554293	0.06873696
109	0.01882263	0.08755959
110	0.02241604	0.10997564
111	0.02625302	0.13622866
112	0.03023786	0.16646652
113	0.03425173	0.20071825
114	0.03815763	0.23887588
115	0.04180749	0.28068337
116	0.04505118	0.32573455
117	0.04774655	0.37348109
118	0.0497697	0.42325079
119	0.0510244	0.4742752
120	0.05144961	0.5257248
121	0.0510244	0.57674921
122	0.0497697	0.62651891
123	0.04774655	0.67426545
124	0.04505118	0.71931663
125	0.04180749	0.76112412
126	0.03815763	0.79928175
127	0.03425173	0.83353348
128	0.03023786	0.86377134
129	0.02625302	0.89002436
130	0.02241604	0.91244041
131	0.01882263	0.93126304
132	0.01554293	0.94680597
133	0.01262133	0.9594273
134	0.01007822	0.96950552

135	0.00791327	0.97741879
136	0.00610951	0.9835283
137	0.00463788	0.98816618
138	0.0034616	0.99162778
139	0.00254017	0.99416795
140	0.00183255	0.9960005
141	0.00129968	0.99730019
142	0.00090612	0.9982063
143	0.00062097	0.99882728
144	0.0004183	0.99924557
145	0.00027694	0.99952251
146	0.0001802	0.99970271
147	0.00011523	0.99981794
148	0.00007241	0.99989035
149	0.00004471	0.99993506
150	0.00002712	0.99996218
151	0.00001617	0.99997835
152	0.00000947	0.99998782
153	0.00000544	0.99999326
154	0.00000308	0.99999634
155	0.00000171	0.99999804
156	9.3e-7	0.99999897
157	5e-7	0.99999947
158	2.6e-7	0.99999973
159	1.3e-7	0.99999987
160	7e-8	0.99999993
161	3e-8	0.99999997
162	2e-8	0.99999999
163	1e-8	0.99999999
164	0	1
...	...	...
240	0	1

k	p(X=k)	p(x≤k)
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<b>p = 0.5</b>	<b>n = 240</b>
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Erwartungswert:  
 $\mu = 120$

Standardabweichung:  
 $\sigma = 7.746$

1 $\sigma$ -Intervall:  
 $p(113 \leq X \leq 127) = 0.66706697$

2 $\sigma$ -Intervall:  
 $p(105 \leq X \leq 135) = 0.95483758$

3 $\sigma$ -Intervall:  
 $p(97 \leq X \leq 143) = 0.99765455$

<b>p = 0.5</b>	<b>n = 250</b>
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k	p(X=k)	p(x≤k)
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0	0	0
---	---	---

...	...	...
79	0	0
80	0	1e-8
81	1e-8	1e-8
82	1e-8	3e-8
83	3e-8	6e-8
84	6e-8	1.2e-7
85	1.2e-7	2.4e-7
86	2.2e-7	4.6e-7
87	4.2e-7	8.8e-7
88	7.8e-7	0.00000167
89	0.00000143	0.00000309
90	0.00000255	0.00000564
91	0.00000449	0.00001013
92	0.00000775	0.00001788
93	0.00001317	0.00003105
94	0.000022	0.00005304
95	0.00003612	0.00008916
96	0.00005832	0.00014748
97	0.00009258	0.00024006
98	0.00014455	0.00038461
99	0.00022193	0.00060654
100	0.00033511	0.00094165
101	0.00049769	0.00143934
102	0.00072702	0.00216636
103	0.00104465	0.00321101
104	0.00147657	0.00468759
105	0.00205314	0.00674072
106	0.00280854	0.00954926
107	0.00377972	0.01332898
108	0.00500463	0.01833361
109	0.00651979	0.02485339
110	0.00835718	0.03321058
111	0.01054059	0.04375117
112	0.01308162	0.05683279
113	0.01597579	0.07280858
114	0.01919897	0.09200755
115	0.02270487	0.11471243
116	0.02642378	0.1411362
117	0.03026313	0.17139933
118	0.03411014	0.20550947
119	0.03783645	0.24334592
120	0.0413048	0.28465072
121	0.04437705	0.32902777
122	0.04692328	0.37595105
123	0.04883073	0.42478178
124	0.05001212	0.47479389

125	0.05041221	0.52520611
126	0.05001212	0.57521822
127	0.04883073	0.62404895
128	0.04692328	0.67097223
129	0.04437705	0.71534928
130	0.0413048	0.75665408
131	0.03783645	0.79449053
132	0.03411014	0.82860067
133	0.03026313	0.8588638
134	0.02642378	0.88528757
135	0.02270487	0.90799245
136	0.01919897	0.92719142
137	0.01597579	0.94316721
138	0.01308162	0.95624883
139	0.01054059	0.96678942
140	0.00835718	0.97514661
141	0.00651979	0.98166639
142	0.00500463	0.98667102
143	0.00377972	0.99045074
144	0.00280854	0.99325928
145	0.00205314	0.99531241
146	0.00147657	0.99678899
147	0.00104465	0.99783364
148	0.00072702	0.99856066
149	0.00049769	0.99905835
150	0.00033511	0.99939346
151	0.00022193	0.99961539
152	0.00014455	0.99975994
153	0.00009258	0.99985252
154	0.00005832	0.99991084
155	0.00003612	0.99994696
156	0.000022	0.99996895
157	0.00001317	0.99998212
158	0.00000775	0.99998987
159	0.00000449	0.99999436
160	0.00000255	0.99999691
161	0.00000143	0.99999833
162	7.8e-7	0.99999912
163	4.2e-7	0.99999954
164	2.2e-7	0.99999976
165	1.2e-7	0.99999988
166	6e-8	0.99999994
167	3e-8	0.99999997
168	1e-8	0.99999999
169	1e-8	0.99999999
170	0	1
...	...	...



250	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 250</b>
Erwartungswert: $\mu = 125$		
Standardabweichung: $\sigma = 7.906$		
1 $\sigma$ -Intervall: $p(118 \leq X \leq 132) = 0.65720133$		
2 $\sigma$ -Intervall: $p(110 \leq X \leq 140) = 0.95029321$		
3 $\sigma$ -Intervall: $p(102 \leq X \leq 148) = 0.99712132$		

<b>p = 0.5</b>		<b>n = 260</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
83	0	0
84	0	1e-8
85	1e-8	1e-8
86	1e-8	3e-8
87	3e-8	5e-8
88	5e-8	1e-7
89	1e-7	2.1e-7
90	1.9e-7	4e-7
91	3.6e-7	7.6e-7
92	6.6e-7	0.00000141
93	0.00000119	0.0000026
94	0.00000211	0.00000471
95	0.00000369	0.0000084
96	0.00000634	0.00001475
97	0.00001072	0.00002547
98	0.00001783	0.0000433
99	0.00002918	0.00007249
100	0.00004699	0.00011947
101	0.00007443	0.0001939
102	0.00011603	0.00030993
103	0.00017798	0.00048791
104	0.00026869	0.0007566
105	0.00039919	0.00115579
106	0.00058372	0.00173951
107	0.00084012	0.00257963
108	0.00119017	0.0037698
109	0.00165969	0.00542949
110	0.0022783	0.00770779
111	0.00307878	0.01078658
112	0.00409588	0.01488246

113	0.00536452	0.02024698
114	0.00691741	0.02716439
115	0.0087821	0.03594649
116	0.01097762	0.04692411
117	0.01351092	0.06043503
118	0.01637341	0.07680844
119	0.01953801	0.09634645
120	0.02295717	0.11930362
121	0.02656201	0.14586563
122	0.03026327	0.1761289
123	0.03395392	0.21008282
124	0.0375136	0.24759642
125	0.0408148	0.28841122
126	0.04373014	0.33214136
127	0.04614046	0.37828183
128	0.04794283	0.42622465
129	0.04905778	0.47528243
130	0.04943514	0.52471757
131	0.04905778	0.57377535
132	0.04794283	0.62171817
133	0.04614046	0.66785864
134	0.04373014	0.71158878
135	0.0408148	0.75240358
136	0.0375136	0.78991718
137	0.03395392	0.8238711
138	0.03026327	0.85413437
139	0.02656201	0.88069638
140	0.02295717	0.90365355
141	0.01953801	0.92319156
142	0.01637341	0.93956497
143	0.01351092	0.95307589
144	0.01097762	0.96405351
145	0.0087821	0.97283561
146	0.00691741	0.97975302
147	0.00536452	0.98511754
148	0.00409588	0.98921342
149	0.00307878	0.99229221
150	0.0022783	0.99457051
151	0.00165969	0.9962302
152	0.00119017	0.99742037
153	0.00084012	0.99826049
154	0.00058372	0.99884421
155	0.00039919	0.9992434
156	0.00026869	0.99951209
157	0.00017798	0.99969007
158	0.00011603	0.9998061
159	0.00007443	0.99988053

160	0.00004699	0.99992751
161	0.00002918	0.9999567
162	0.00001783	0.99997453
163	0.00001072	0.99998525
164	0.00000634	0.9999916
165	0.00000369	0.99999529
166	0.00000211	0.9999974
167	0.00000119	0.99999859
168	6.6e-7	0.99999924
169	3.6e-7	0.9999996
170	1.9e-7	0.99999979
171	1e-7	0.9999999
172	5e-8	0.99999995
173	3e-8	0.99999997
174	1e-8	0.99999999
175	1e-8	0.99999999
176	0	1
...	...	...
260	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 260</b>
Erwartungswert: $\mu = 130$		
Standardabweichung: $\sigma = 8.062$		
1 $\sigma$ -Intervall: $p(122 \leq X \leq 138) = 0.70826874$		
2 $\sigma$ -Intervall: $p(114 \leq X \leq 146) = 0.95950604$		
3 $\sigma$ -Intervall: $p(106 \leq X \leq 154) = 0.99768843$		

<b>p = 0.5</b>		<b>n = 270</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
87	0	0
88	0	1e-8
89	1e-8	1e-8
90	1e-8	2e-8
91	2e-8	5e-8
92	5e-8	9e-8
93	9e-8	1.8e-7
94	1.6e-7	3.4e-7
95	3e-7	6.4e-7
96	5.5e-7	0.00000119
97	9.9e-7	0.00000218
98	0.00000175	0.00000393

99	0.00000303	0.00000696
100	0.00000518	0.00001215
101	0.00000873	0.00002087
102	0.00001446	0.00003533
103	0.00002358	0.00005892
104	0.00003787	0.00009679
105	0.00005987	0.00015666
106	0.0000932	0.00024985
107	0.00014284	0.00039269
108	0.00021558	0.00060828
109	0.00032041	0.00092869
110	0.00046896	0.00139765
111	0.00067598	0.00207364
112	0.00095966	0.00303329
113	0.00134182	0.00437511
114	0.00184794	0.00622305
115	0.00250678	0.00872983
116	0.00334957	0.0120794
117	0.00440884	0.01648824
118	0.00571655	0.02220479
119	0.00730181	0.02950659
120	0.00918811	0.0386947
121	0.01139021	0.05008491
122	0.013911	0.06399591
123	0.01673844	0.08073435
124	0.01984315	0.1005775
125	0.0231768	0.12375429
126	0.02667171	0.150426
127	0.03024194	0.18066794
128	0.03378592	0.21445386
129	0.0371907	0.25164456
130	0.0403376	0.29198216
131	0.04310889	0.33509105
132	0.04539497	0.38048602
133	0.04710154	0.42758756
134	0.04815606	0.47574362
135	0.04851277	0.52425638
136	0.04815606	0.57241244
137	0.04710154	0.61951398
138	0.04539497	0.66490895
139	0.04310889	0.70801784
140	0.0403376	0.74835544
141	0.0371907	0.78554614
142	0.03378592	0.81933206
143	0.03024194	0.849574
144	0.02667171	0.87624571
145	0.0231768	0.8994225

146	0.01984315	0.91926565
147	0.01673844	0.93600409
148	0.013911	0.94991509
149	0.01139021	0.9613053
150	0.00918811	0.97049341
151	0.00730181	0.97779521
152	0.00571655	0.98351176
153	0.00440884	0.9879206
154	0.00334957	0.99127017
155	0.00250678	0.99377695
156	0.00184794	0.99562489
157	0.00134182	0.99696671
158	0.00095966	0.99792636
159	0.00067598	0.99860235
160	0.00046896	0.99907131
161	0.00032041	0.99939172
162	0.00021558	0.99960731
163	0.00014284	0.99975015
164	0.0000932	0.99984334
165	0.00005987	0.99990321
166	0.00003787	0.99994108
167	0.00002358	0.99996467
168	0.00001446	0.99997913
169	0.00000873	0.99998785
170	0.00000518	0.99999304
171	0.00000303	0.99999607
172	0.00000175	0.99999782
173	9.9e-7	0.99999881
174	5.5e-7	0.99999936
175	3e-7	0.99999966
176	1.6e-7	0.99999982
177	9e-8	0.99999991
178	5e-8	0.99999995
179	2e-8	0.99999998
180	1e-8	0.99999999
181	1e-8	0.99999999
182	0	1
...	...	...
270	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 270</b>
Erwartungswert: $\mu = 135$		
Standardabweichung: $\sigma = 8.216$		
1 $\sigma$ -Intervall: $p(127 \leq X \leq 143) = 0.69914799$		
2 $\sigma$ -Intervall: $p(119 \leq X \leq 151) = 0.95559042$		

3 $\sigma$ -Intervall:  
 $p(111 \leq X \leq 159) = 0.9972047$

p = 0.5		n = 280
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
92	0	0
93	1e-8	1e-8
94	1e-8	2e-8
95	2e-8	4e-8
96	4e-8	8e-8
97	7e-8	1.5e-7
98	1.4e-7	2.9e-7
99	2.5e-7	5.5e-7
100	4.6e-7	0.00000101
101	8.2e-7	0.00000183
102	0.00000144	0.00000327
103	0.00000249	0.00000576
104	0.00000424	0.00000999
105	0.0000071	0.00001709
106	0.00001172	0.00002882
107	0.00001906	0.00004788
108	0.00003053	0.00007841
109	0.00004818	0.00012659
110	0.0000749	0.0002015
111	0.00011471	0.00031621
112	0.0001731	0.00048931
113	0.00025735	0.00074665
114	0.00037699	0.00112364
115	0.00054418	0.00166782
116	0.00077405	0.00244187
117	0.00108499	0.00352686
118	0.00149875	0.00502561
119	0.00204032	0.00706593
120	0.00273743	0.00980336
121	0.00361974	0.01342311
122	0.00471753	0.01814064
123	0.00605992	0.02420056
124	0.00767264	0.03187321
125	0.00957546	0.04144867
126	0.01177933	0.053228
127	0.0142836	0.0675116
128	0.01707337	0.08458497
129	0.02011746	0.10470243
130	0.0233672	0.12806963
131	0.02675634	0.15482597

132	0.03020223	0.1850282
133	0.0336085	0.21863669
134	0.03686902	0.25550571
135	0.03987316	0.29537888
136	0.04251183	0.33789071
137	0.04468397	0.38257467
138	0.04630295	0.42887762
139	0.04730229	0.47617992
140	0.04764017	0.52382008
141	0.04730229	0.57112238
142	0.04630295	0.61742533
143	0.04468397	0.66210929
144	0.04251183	0.70462112
145	0.03987316	0.74449429
146	0.03686902	0.78136331
147	0.0336085	0.8149718
148	0.03020223	0.84517403
149	0.02675634	0.87193037
150	0.0233672	0.89529757
151	0.02011746	0.91541503
152	0.01707337	0.9324884
153	0.0142836	0.946772
154	0.01177933	0.95855133
155	0.00957546	0.96812679
156	0.00767264	0.97579944
157	0.00605992	0.98185936
158	0.00471753	0.98657689
159	0.00361974	0.99019664
160	0.00273743	0.99293407
161	0.00204032	0.99497439
162	0.00149875	0.99647314
163	0.00108499	0.99755813
164	0.00077405	0.99833218
165	0.00054418	0.99887636
166	0.00037699	0.99925335
167	0.00025735	0.99951069
168	0.0001731	0.99968379
169	0.00011471	0.9997985
170	0.0000749	0.99987341
171	0.00004818	0.99992159
172	0.00003053	0.99995212
173	0.00001906	0.99997118
174	0.00001172	0.99998291
175	0.0000071	0.99999001
176	0.00000424	0.99999424
177	0.00000249	0.99999673
178	0.00000144	0.99999817

179	8.2e-7	0.99999899
180	4.6e-7	0.99999945
181	2.5e-7	0.99999971
182	1.4e-7	0.99999985
183	7e-8	0.99999992
184	4e-8	0.99999996
185	2e-8	0.99999998
186	1e-8	0.99999999
187	1e-8	1
188	0	1
...	...	...
280	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 280</b>
Erwartungswert: $\mu = 140$		
Standardabweichung: $\sigma = 8.367$		
1 $\sigma$ -Intervall: $p(132 \leq X \leq 148) = 0.69034806$		
2 $\sigma$ -Intervall: $p(124 \leq X \leq 156) = 0.95159887$		
3 $\sigma$ -Intervall: $p(115 \leq X \leq 165) = 0.99775271$		

<b>p = 0.5</b>		<b>n = 290</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
96	0	0
97	0	1e-8
98	1e-8	2e-8
99	2e-8	4e-8
100	3e-8	7e-8
101	6e-8	1.3e-7
102	1.2e-7	2.5e-7
103	2.1e-7	4.6e-7
104	3.8e-7	8.5e-7
105	6.8e-7	0.00000153
106	0.00000119	0.00000271
107	0.00000204	0.00000476
108	0.00000346	0.00000821
109	0.00000578	0.00001399
110	0.0000095	0.00002349
111	0.00001541	0.0000389
112	0.00002463	0.00006353
113	0.00003879	0.00010232
114	0.00006023	0.00016256



115	0.00009218	0.00025474
116	0.00013907	0.00039381
117	0.00020682	0.00060063
118	0.00030322	0.00090386
119	0.00043827	0.00134213
120	0.00062454	0.00196667
121	0.00087745	0.00284412
122	0.00121548	0.0040596
123	0.00166017	0.00571978
124	0.00223588	0.00795565
125	0.00296925	0.0109249
126	0.0038883	0.0148132
127	0.00502111	0.01983431
128	0.00639407	0.02622838
129	0.00802976	0.03425814
130	0.00994455	0.04420269
131	0.01214602	0.05634871
132	0.01463043	0.07097914
133	0.01738051	0.08835965
134	0.02036373	0.10872339
135	0.02353143	0.13225481
136	0.0268189	0.15907372
137	0.0301468	0.18922052
138	0.03342362	0.22264414
139	0.03654957	0.25919371
140	0.03942133	0.29861504
141	0.04193758	0.34055262
142	0.04400493	0.38455755
143	0.04554356	0.43010111
144	0.04649238	0.47659349
145	0.04681302	0.52340651
146	0.04649238	0.56989889
147	0.04554356	0.61544245
148	0.04400493	0.65944738
149	0.04193758	0.70138496
150	0.03942133	0.74080629
151	0.03654957	0.77735586
152	0.03342362	0.81077948
153	0.0301468	0.84092628
154	0.0268189	0.86774519
155	0.02353143	0.89127661
156	0.02036373	0.91164035
157	0.01738051	0.92902086
158	0.01463043	0.94365129
159	0.01214602	0.95579731
160	0.00994455	0.96574186
161	0.00802976	0.97377162

162	0.00639407	0.98016569
163	0.00502111	0.9851868
164	0.0038883	0.9890751
165	0.00296925	0.99204435
166	0.00223588	0.99428022
167	0.00166017	0.9959404
168	0.00121548	0.99715588
169	0.00087745	0.99803333
170	0.00062454	0.99865787
171	0.00043827	0.99909614
172	0.00030322	0.99939937
173	0.00020682	0.99960619
174	0.00013907	0.99974526
175	0.00009218	0.99983744
176	0.00006023	0.99989768
177	0.00003879	0.99993647
178	0.00002463	0.9999611
179	0.00001541	0.99997651
180	0.0000095	0.99998601
181	0.00000578	0.99999179
182	0.00000346	0.99999524
183	0.00000204	0.99999729
184	0.00000119	0.99999847
185	6.8e-7	0.99999915
186	3.8e-7	0.99999954
187	2.1e-7	0.99999975
188	1.2e-7	0.99999987
189	6e-8	0.99999993
190	3e-8	0.99999996
191	2e-8	0.99999998
192	1e-8	0.99999999
193	0	1
...	...	...
290	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 290</b>
Erwartungswert: $\mu = 145$		
Standardabweichung: $\sigma = 8.515$		
1 $\sigma$ -Intervall: $p(137 \leq X \leq 153) = 0.68185256$		
2 $\sigma$ -Intervall: $p(128 \leq X \leq 162) = 0.96033138$		
3 $\sigma$ -Intervall: $p(120 \leq X \leq 170) = 0.99731574$		

p = 0.5		n = 300
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
100	0	0
101	0	1e-8
102	1e-8	2e-8
103	2e-8	3e-8
104	3e-8	6e-8
105	5e-8	1.1e-7
106	1e-7	2.1e-7
107	1.8e-7	3.9e-7
108	3.2e-7	7.1e-7
109	5.6e-7	0.00000127
110	9.8e-7	0.00000225
111	0.00000167	0.00000392
112	0.00000282	0.00000675
113	0.0000047	0.00001144
114	0.0000077	0.00001915
115	0.00001246	0.00003161
116	0.00001987	0.00005148
117	0.00003125	0.00008273
118	0.00004846	0.00013119
119	0.00007412	0.00020531
120	0.0001118	0.00031711
121	0.00016631	0.00048342
122	0.00024402	0.00072744
123	0.00035313	0.00108057
124	0.00050406	0.00158463
125	0.00070972	0.00229436
126	0.00098573	0.00328008
127	0.00135052	0.0046306
128	0.00182531	0.00645592
129	0.00243375	0.00888967
130	0.00320132	0.01209099
131	0.00415439	0.01624538
132	0.00531887	0.02156425
133	0.00671858	0.02828283
134	0.00837315	0.03665598
135	0.01029587	0.04695185
136	0.01249132	0.05944317
137	0.01495311	0.07439628
138	0.01766201	0.09205829
139	0.0205845	0.11264278
140	0.02367217	0.13631496
141	0.02686204	0.163177
142	0.03007792	0.19325491

143	0.03323294	0.22648786
144	0.03623314	0.262721
145	0.03898186	0.30170286
146	0.04138485	0.34308771
147	0.04335556	0.38644327
148	0.04482027	0.43126355
149	0.0457227	0.47698624
150	0.04602751	0.52301376
151	0.0457227	0.56873645
152	0.04482027	0.61355673
153	0.04335556	0.65691229
154	0.04138485	0.69829714
155	0.03898186	0.737279
156	0.03623314	0.77351214
157	0.03323294	0.80674509
158	0.03007792	0.836823
159	0.02686204	0.86368504
160	0.02367217	0.88735722
161	0.0205845	0.90794171
162	0.01766201	0.92560372
163	0.01495311	0.94055683
164	0.01249132	0.95304815
165	0.01029587	0.96334402
166	0.00837315	0.97171717
167	0.00671858	0.97843575
168	0.00531887	0.98375462
169	0.00415439	0.98790901
170	0.00320132	0.99111033
171	0.00243375	0.99354408
172	0.00182531	0.9953694
173	0.00135052	0.99671992
174	0.00098573	0.99770564
175	0.00070972	0.99841537
176	0.00050406	0.99891943
177	0.00035313	0.99927256
178	0.00024402	0.99951658
179	0.00016631	0.99968289
180	0.0001118	0.99979469
181	0.00007412	0.99986881
182	0.00004846	0.99991727
183	0.00003125	0.99994852
184	0.00001987	0.99996839
185	0.00001246	0.99998085
186	0.0000077	0.99998856
187	0.0000047	0.99999325
188	0.00000282	0.99999608
189	0.00000167	0.99999775

190	9.8e-7	0.99999873
191	5.6e-7	0.99999929
192	3.2e-7	0.99999961
193	1.8e-7	0.99999979
194	1e-7	0.99999989
195	5e-8	0.99999994
196	3e-8	0.99999997
197	2e-8	0.99999998
198	1e-8	0.99999999
199	0	1
...	...	...
300	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 300</b>
Erwartungswert: $\mu = 150$		
Standardabweichung: $\sigma = 8.66$		
1σ-Intervall: $p(142 \leq X \leq 158) = 0.67364601$		
2σ-Intervall: $p(133 \leq X \leq 167) = 0.9568715$		
3σ-Intervall: $p(125 \leq X \leq 175) = 0.99683073$		

<b>p = 0.5</b>		<b>n = 310</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
104	0	0
105	0	1e-8
106	1e-8	1e-8
107	1e-8	3e-8
108	2e-8	5e-8
109	5e-8	1e-7
110	8e-8	1.8e-7
111	1.5e-7	3.3e-7
112	2.7e-7	5.9e-7
113	4.7e-7	0.00000106
114	8e-7	0.00000186
115	0.00000137	0.00000323
116	0.0000023	0.00000554
117	0.00000382	0.00000935
118	0.00000625	0.0000156
119	0.00001008	0.00002568
120	0.00001604	0.00004171
121	0.00002518	0.0000669
122	0.00003901	0.00010591

123	0.00005963	0.00016554
124	0.00008993	0.00025546
125	0.00013381	0.00038927
126	0.00019647	0.00058574
127	0.00028464	0.00087038
128	0.00040695	0.00127734
129	0.00057415	0.00185149
130	0.00079939	0.00265088
131	0.0010984	0.00374928
132	0.0014895	0.00523878
133	0.00199347	0.00723224
134	0.00263316	0.0098654
135	0.00343286	0.01329826
136	0.00441728	0.01771555
137	0.00561027	0.02332582
138	0.00703317	0.03035898
139	0.00870291	0.03906189
140	0.01062998	0.04969188
141	0.01281629	0.06250817
142	0.01525319	0.07776136
143	0.01791983	0.0956812
144	0.02078203	0.11646323
145	0.02379184	0.14025507
146	0.02688804	0.16714311
147	0.02999754	0.19714065
148	0.03303783	0.23017848
149	0.03592033	0.26609881
150	0.03855449	0.3046533
151	0.04085244	0.34550573
152	0.0427338	0.38823953
153	0.04413033	0.43236986
154	0.04499001	0.47735987
155	0.04528027	0.52264013
156	0.04499001	0.56763014
157	0.04413033	0.61176047
158	0.0427338	0.65449427
159	0.04085244	0.6953467
160	0.03855449	0.73390119
161	0.03592033	0.76982152
162	0.03303783	0.80285935
163	0.02999754	0.83285689
164	0.02688804	0.85974493
165	0.02379184	0.88353677
166	0.02078203	0.9043188
167	0.01791983	0.92223864
168	0.01525319	0.93749183
169	0.01281629	0.95030812

170	0.01062998	0.96093811
171	0.00870291	0.96964102
172	0.00703317	0.97667418
173	0.00561027	0.98228445
174	0.00441728	0.98670174
175	0.00343286	0.9901346
176	0.00263316	0.99276776
177	0.00199347	0.99476122
178	0.0014895	0.99625072
179	0.0010984	0.99734912
180	0.00079939	0.99814851
181	0.00057415	0.99872266
182	0.00040695	0.99912962
183	0.00028464	0.99941426
184	0.00019647	0.99961073
185	0.00013381	0.99974454
186	0.00008993	0.99983446
187	0.00005963	0.99989409
188	0.00003901	0.9999331
189	0.00002518	0.99995829
190	0.00001604	0.99997432
191	0.00001008	0.9999844
192	0.00000625	0.99999065
193	0.00000382	0.99999446
194	0.0000023	0.99999677
195	0.00000137	0.99999814
196	8e-7	0.99999894
197	4.7e-7	0.99999941
198	2.7e-7	0.99999967
199	1.5e-7	0.99999982
200	8e-8	0.9999999
201	5e-8	0.99999995
202	2e-8	0.99999997
203	1e-8	0.99999999
204	1e-8	0.99999999
205	0	1
...	...	...
310	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 310</b>
Erwartungswert: $\mu = 155$		
Standardabweichung: $\sigma = 8.803$		
1σ-Intervall: $p(147 \leq X \leq 163) = 0.66571378$		
2σ-Intervall: $p(138 \leq X \leq 172) = 0.95334837$		

3 $\sigma$ -Intervall:  
 $p(129 \leq X \leq 181) = 0.99744533$

p = 0.5		n = 320
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
108	0	0
109	0	1e-8
110	1e-8	1e-8
111	1e-8	2e-8
112	2e-8	4e-8
113	4e-8	8e-8
114	7e-8	1.5e-7
115	1.2e-7	2.8e-7
116	2.2e-7	5e-7
117	3.8e-7	8.8e-7
118	6.6e-7	0.00000154
119	0.00000112	0.00000266
120	0.00000188	0.00000454
121	0.0000031	0.00000764
122	0.00000506	0.00001271
123	0.00000815	0.00002086
124	0.00001295	0.0000338
125	0.0000203	0.00005411
126	0.00003142	0.00008553
127	0.000048	0.00013352
128	0.00007237	0.00020589
129	0.00010771	0.0003136
130	0.00015825	0.00047186
131	0.00022953	0.00070139
132	0.00032864	0.00103003
133	0.00046455	0.00149458
134	0.00064829	0.00214287
135	0.0008932	0.00303607
136	0.00121501	0.00425108
137	0.00163184	0.00588292
138	0.00216396	0.00804688
139	0.00283339	0.01088027
140	0.00366317	0.01454344
141	0.00467638	0.01921982
142	0.00589488	0.0251147
143	0.00733768	0.03245239
144	0.00901923	0.04147162
145	0.01094748	0.0524191
146	0.01312198	0.06554109
147	0.01553215	0.08107323



148	0.01815582	0.09922905
149	0.02095839	0.12018745
150	0.02389257	0.14408002
151	0.02689892	0.17097894
152	0.02990735	0.20088629
153	0.03283944	0.23372573
154	0.03561161	0.26933734
155	0.03813888	0.30747622
156	0.0403392	0.34781542
157	0.04213776	0.38995318
158	0.04347124	0.43342442
159	0.04429145	0.47771586
160	0.04456827	0.52228414
161	0.04429145	0.56657558
162	0.04347124	0.61004682
163	0.04213776	0.65218458
164	0.0403392	0.69252378
165	0.03813888	0.73066266
166	0.03561161	0.76627427
167	0.03283944	0.79911371
168	0.02990735	0.82902106
169	0.02689892	0.85591998
170	0.02389257	0.87981255
171	0.02095839	0.90077095
172	0.01815582	0.91892677
173	0.01553215	0.93445891
174	0.01312198	0.9475809
175	0.01094748	0.95852838
176	0.00901923	0.96754761
177	0.00733768	0.9748853
178	0.00589488	0.98078018
179	0.00467638	0.98545656
180	0.00366317	0.98911973
181	0.00283339	0.99195312
182	0.00216396	0.99411708
183	0.00163184	0.99574892
184	0.00121501	0.99696393
185	0.0008932	0.99785713
186	0.00064829	0.99850542
187	0.00046455	0.99896997
188	0.00032864	0.99929861
189	0.00022953	0.99952814
190	0.00015825	0.9996864
191	0.00010771	0.99979411
192	0.00007237	0.99986648
193	0.000048	0.99991447
194	0.00003142	0.99994589

195	0.0000203	0.9999662
196	0.00001295	0.99997914
197	0.00000815	0.99998729
198	0.00000506	0.99999236
199	0.0000031	0.99999546
200	0.00000188	0.99999734
201	0.00000112	0.99999846
202	6.6e-7	0.99999912
203	3.8e-7	0.9999995
204	2.2e-7	0.99999972
205	1.2e-7	0.99999985
206	7e-8	0.99999992
207	4e-8	0.99999996
208	2e-8	0.99999998
209	1e-8	0.99999999
210	1e-8	0.99999999
211	0	1
...	...	...
320	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 320</b>
Erwartungswert: $\mu = 160$		
Standardabweichung: $\sigma = 8.944$		
1 $\sigma$ -Intervall: $p(152 \leq X \leq 168) = 0.65804213$		
2 $\sigma$ -Intervall: $p(143 \leq X \leq 177) = 0.94977059$		
3 $\sigma$ -Intervall: $p(134 \leq X \leq 186) = 0.99701084$		

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<b>p = 0.5</b>		<b>n = 330</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
112	0	0
113	0	1e-8
114	1e-8	1e-8
115	1e-8	2e-8
116	2e-8	4e-8
117	3e-8	7e-8
118	6e-8	1.3e-7
119	1e-7	2.3e-7
120	1.8e-7	4.1e-7
121	3.2e-7	7.3e-7
122	5.4e-7	0.00000127
123	9.2e-7	0.00000219

124	0.00000153	0.00000372
125	0.00000252	0.00000624
126	0.0000041	0.00001035
127	0.00000659	0.00001694
128	0.00001046	0.0000274
129	0.00001637	0.00004377
130	0.00002532	0.00006909
131	0.00003865	0.00010774
132	0.00005827	0.00016601
133	0.00008675	0.00025275
134	0.00012753	0.00038028
135	0.00018515	0.00056544
136	0.00026548	0.00083091
137	0.00037593	0.00120685
138	0.00052576	0.00173261
139	0.00072623	0.00245884
140	0.00099078	0.00344962
141	0.0013351	0.00478472
142	0.001777	0.00656172
143	0.00233619	0.00889791
144	0.00303381	0.01193172
145	0.00389164	0.01582337
146	0.00493119	0.02075456
147	0.00617238	0.02692694
148	0.00763206	0.034559
149	0.00932238	0.04388138
150	0.01124901	0.05513039
151	0.01340942	0.06853981
152	0.01579135	0.08433116
153	0.01837164	0.1027028
154	0.02111545	0.12381825
155	0.02397626	0.14779451
156	0.02689644	0.17469095
157	0.0298088	0.20449975
158	0.03263874	0.23713849
159	0.03530732	0.27244581
160	0.0377347	0.31018051
161	0.03984409	0.35002461
162	0.04156575	0.39159036
163	0.04284077	0.43443113
164	0.04362445	0.47805558
165	0.04388884	0.52194442
166	0.04362445	0.56556887
167	0.04284077	0.60840964
168	0.04156575	0.64997539
169	0.03984409	0.68981949
170	0.0377347	0.72755419

171	0.03530732	0.76286151
172	0.03263874	0.79550025
173	0.0298088	0.82530905
174	0.02689644	0.85220549
175	0.02397626	0.87618175
176	0.02111545	0.8972972
177	0.01837164	0.91566884
178	0.01579135	0.93146019
179	0.01340942	0.94486961
180	0.01124901	0.95611862
181	0.00932238	0.965441
182	0.00763206	0.97307306
183	0.00617238	0.97924544
184	0.00493119	0.98417663
185	0.00389164	0.98806828
186	0.00303381	0.99110209
187	0.00233619	0.99343828
188	0.001777	0.99521528
189	0.0013351	0.99655038
190	0.00099078	0.99754116
191	0.00072623	0.99826739
192	0.00052576	0.99879315
193	0.00037593	0.99916909
194	0.00026548	0.99943456
195	0.00018515	0.99961972
196	0.00012753	0.99974725
197	0.00008675	0.99983399
198	0.00005827	0.99989226
199	0.00003865	0.99993091
200	0.00002532	0.99995623
201	0.00001637	0.9999726
202	0.00001046	0.99998306
203	0.00000659	0.99998965
204	0.0000041	0.99999376
205	0.00000252	0.99999628
206	0.00000153	0.99999781
207	9.2e-7	0.99999873
208	5.4e-7	0.99999927
209	3.2e-7	0.99999959
210	1.8e-7	0.99999977
211	1e-7	0.99999987
212	6e-8	0.99999993
213	3e-8	0.99999996
214	2e-8	0.99999998
215	1e-8	0.99999999
216	1e-8	0.99999999
217	0	1

...	...	...
330	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 330</b>
Erwartungswert: $\mu = 165$		
Standardabweichung: $\sigma = 9.083$		
1 $\sigma$ -Intervall: $p(156 \leq X \leq 174) = 0.70441098$		
2 $\sigma$ -Intervall: $p(147 \leq X \leq 183) = 0.95849088$		
3 $\sigma$ -Intervall: $p(138 \leq X \leq 192) = 0.99758631$		

<b>p = 0.5</b>		<b>n = 340</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
117	0	0
118	0	1e-8
119	1e-8	2e-8
120	1e-8	3e-8
121	3e-8	6e-8
122	5e-8	1.1e-7
123	9e-8	1.9e-7
124	1.5e-7	3.4e-7
125	2.6e-7	6.1e-7
126	4.4e-7	0.00000105
127	7.5e-7	0.0000018
128	0.00000125	0.00000305
129	0.00000205	0.0000051
130	0.00000333	0.00000843
131	0.00000533	0.00001376
132	0.00000845	0.00002221
133	0.00001321	0.00003542
134	0.00002041	0.00005582
135	0.00003114	0.00008696
136	0.00004694	0.0001339
137	0.00006989	0.00020379
138	0.00010281	0.0003066
139	0.00014941	0.00045601
140	0.00021451	0.00067052
141	0.00030427	0.00097479
142	0.0004264	0.0014012
143	0.00059041	0.0019916
144	0.00080771	0.00279931
145	0.0010918	0.00389111

146	0.00145823	0.00534934
147	0.00192446	0.0072738
148	0.0025096	0.0097834
149	0.00323385	0.01301725
150	0.00411777	0.01713502
151	0.0051813	0.02231632
152	0.00644254	0.02875886
153	0.00791632	0.03667518
154	0.00961267	0.04628785
155	0.01153521	0.05782306
156	0.01367957	0.07150263
157	0.01603211	0.08753475
158	0.01856884	0.10610358
159	0.0212549	0.12735848
160	0.0240446	0.15140308
161	0.02688216	0.17828525
162	0.02970313	0.20798838
163	0.03243655	0.24042493
164	0.03500774	0.27543266
165	0.03734159	0.31277425
166	0.03936613	0.35214038
167	0.04101621	0.39315659
168	0.04223693	0.43539352
169	0.0429867	0.47838022
170	0.04323956	0.52161978
171	0.0429867	0.56460648
172	0.04223693	0.60684341
173	0.04101621	0.64785962
174	0.03936613	0.68722575
175	0.03734159	0.72456734
176	0.03500774	0.75957507
177	0.03243655	0.79201162
178	0.02970313	0.82171475
179	0.02688216	0.84859692
180	0.0240446	0.87264152
181	0.0212549	0.89389642
182	0.01856884	0.91246525
183	0.01603211	0.92849737
184	0.01367957	0.94217694
185	0.01153521	0.95371215
186	0.00961267	0.96332482
187	0.00791632	0.97124114
188	0.00644254	0.97768368
189	0.0051813	0.98286498
190	0.00411777	0.98698275
191	0.00323385	0.9902166
192	0.0025096	0.9927262

193	0.00192446	0.99465066
194	0.00145823	0.99610889
195	0.0010918	0.99720069
196	0.00080771	0.9980084
197	0.00059041	0.9985988
198	0.0004264	0.99902521
199	0.00030427	0.99932948
200	0.00021451	0.99954399
201	0.00014941	0.9996934
202	0.00010281	0.99979621
203	0.00006989	0.9998661
204	0.00004694	0.99991304
205	0.00003114	0.99994418
206	0.00002041	0.99996458
207	0.00001321	0.99997779
208	0.00000845	0.99998624
209	0.00000533	0.99999157
210	0.00000333	0.9999949
211	0.00000205	0.99999695
212	0.00000125	0.9999982
213	7.5e-7	0.99999895
214	4.4e-7	0.99999939
215	2.6e-7	0.99999966
216	1.5e-7	0.99999981
217	9e-8	0.99999989
218	5e-8	0.99999994
219	3e-8	0.99999997
220	1e-8	0.99999998
221	1e-8	0.99999999
222	0	1
...	...	...
340	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 340</b>

Erwartungswert:  
 $\mu = 170$

Standardabweichung:  
 $\sigma = 9.22$

1 $\sigma$ -Intervall:  
 $p(161 \leq X \leq 179) = 0.69719383$

2 $\sigma$ -Intervall:  
 $p(152 \leq X \leq 188) = 0.95536736$

3 $\sigma$ -Intervall:  
 $p(143 \leq X \leq 197) = 0.99719761$

<b>p = 0.5</b>		<b>n = 350</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0

...	...	...
121	0	0
122	0	1e-8
123	1e-8	1e-8
124	1e-8	3e-8
125	2e-8	5e-8
126	4e-8	9e-8
127	7e-8	1.6e-7
128	1.2e-7	2.9e-7
129	2.1e-7	5e-7
130	3.6e-7	8.7e-7
131	6.1e-7	0.00000148
132	0.00000102	0.0000025
133	0.00000167	0.00000416
134	0.0000027	0.00000686
135	0.00000432	0.00001118
136	0.00000683	0.000018
137	0.00001066	0.00002866
138	0.00001646	0.00004512
139	0.0000251	0.00007022
140	0.00003783	0.00010804
141	0.00005634	0.00016438
142	0.00008292	0.00024729
143	0.00012061	0.0003679
144	0.00017337	0.00054127
145	0.00024631	0.00078758
146	0.00034584	0.00113342
147	0.00047994	0.00161336
148	0.0006583	0.00227166
149	0.00089246	0.00316412
150	0.0011959	0.00436002
151	0.00158397	0.00594399
152	0.00207375	0.00801774
153	0.00268368	0.01070141
154	0.00343301	0.01413443
155	0.0043411	0.01847553
156	0.00542638	0.0239019
157	0.0067052	0.03060711
158	0.00819053	0.03879764
159	0.00989046	0.04868809
160	0.01180673	0.06049482
161	0.01393341	0.07442823
162	0.01625564	0.09068388
163	0.01874884	0.10943272
164	0.02137825	0.13081097
165	0.02409912	0.15491009
166	0.02685745	0.18176754



167	0.02959144	0.21135899
168	0.03223354	0.24359252
169	0.03471304	0.27830556
170	0.03695918	0.31526474
171	0.0389044	0.35416914
172	0.04048772	0.39465686
173	0.04165788	0.43631474
174	0.04237612	0.47869086
175	0.04261827	0.52130914
176	0.04237612	0.56368526
177	0.04165788	0.60534314
178	0.04048772	0.64583086
179	0.0389044	0.68473526
180	0.03695918	0.72169444
181	0.03471304	0.75640748
182	0.03223354	0.78864101
183	0.02959144	0.81823246
184	0.02685745	0.84508991
185	0.02409912	0.86918903
186	0.02137825	0.89056728
187	0.01874884	0.90931612
188	0.01625564	0.92557177
189	0.01393341	0.93950518
190	0.01180673	0.95131191
191	0.00989046	0.96120236
192	0.00819053	0.96939289
193	0.0067052	0.9760981
194	0.00542638	0.98152447
195	0.0043411	0.98586557
196	0.00343301	0.98929859
197	0.00268368	0.99198226
198	0.00207375	0.99405601
199	0.00158397	0.99563998
200	0.0011959	0.99683588
201	0.00089246	0.99772834
202	0.0006583	0.99838664
203	0.00047994	0.99886658
204	0.00034584	0.99921242
205	0.00024631	0.99945873
206	0.00017337	0.9996321
207	0.00012061	0.99975271
208	0.00008292	0.99983562
209	0.00005634	0.99989196
210	0.00003783	0.99992978
211	0.0000251	0.99995488
212	0.00001646	0.99997134
213	0.00001066	0.999982

214	0.00000683	0.99998882
215	0.00000432	0.99999314
216	0.0000027	0.99999584
217	0.00000167	0.9999975
218	0.00000102	0.99999852
219	6.1e-7	0.99999913
220	3.6e-7	0.9999995
221	2.1e-7	0.99999971
222	1.2e-7	0.99999984
223	7e-8	0.99999991
224	4e-8	0.99999995
225	2e-8	0.99999997
226	1e-8	0.99999999
227	1e-8	0.99999999
228	0	1
...	...	...
350	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 350</b>
Erwartungswert: $\mu = 175$		
Standardabweichung: $\sigma = 9.354$		
1σ-Intervall: $p(166 \leq X \leq 184) = 0.69017982$		
2σ-Intervall: $p(157 \leq X \leq 193) = 0.9521962$		
3σ-Intervall: $p(147 \leq X \leq 203) = 0.99773316$		

<b>p = 0.5</b>		<b>n = 360</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
125	0	0
126	0	1e-8
127	1e-8	1e-8
128	1e-8	2e-8
129	2e-8	4e-8
130	3e-8	8e-8
131	6e-8	1.4e-7
132	1e-7	2.4e-7
133	1.8e-7	4.1e-7
134	3e-7	7.1e-7
135	5e-7	0.00000121
136	8.3e-7	0.00000204
137	0.00000135	0.0000034
138	0.00000219	0.00000558

139	0.00000349	0.00000908
140	0.00000552	0.0000146
141	0.00000861	0.0000232
142	0.00001327	0.00003648
143	0.00002024	0.00005671
144	0.00003049	0.00008721
145	0.00004543	0.00013263
146	0.0000669	0.00019953
147	0.00009739	0.00029692
148	0.00014016	0.00043707
149	0.00019942	0.00063649
150	0.00028051	0.000917
151	0.00039012	0.00130712
152	0.00053641	0.00184353
153	0.00072924	0.00257278
154	0.00098021	0.00355299
155	0.00130274	0.00485572
156	0.00171193	0.00656765
157	0.00222442	0.00879207
158	0.00285795	0.01165002
159	0.00363086	0.01528088
160	0.00456126	0.01984214
161	0.00566617	0.02550831
162	0.00696029	0.0324686
163	0.00845483	0.04092343
164	0.01015611	0.05107954
165	0.01206423	0.06314376
166	0.01417183	0.07731559
167	0.01646309	0.09377868
168	0.01891295	0.11269163
169	0.0214869	0.13417853
170	0.02414117	0.1583197
171	0.02682352	0.18514321
172	0.02947468	0.21461789
173	0.03203029	0.24664818
174	0.03442335	0.28107154
175	0.03658711	0.31765864
176	0.03845804	0.35611668
177	0.03997898	0.39609566
178	0.04110198	0.43719765
179	0.04179084	0.47898849
180	0.04202302	0.52101151
181	0.04179084	0.56280235
182	0.04110198	0.60390434
183	0.03997898	0.64388332
184	0.03845804	0.68234136
185	0.03658711	0.71892846

186	0.03442335	0.75335182
187	0.03203029	0.78538211
188	0.02947468	0.81485679
189	0.02682352	0.8416803
190	0.02414117	0.86582147
191	0.0214869	0.88730837
192	0.01891295	0.90622132
193	0.01646309	0.92268441
194	0.01417183	0.93685624
195	0.01206423	0.94892046
196	0.01015611	0.95907657
197	0.00845483	0.9675314
198	0.00696029	0.97449169
199	0.00566617	0.98015786
200	0.00456126	0.98471912
201	0.00363086	0.98834998
202	0.00285795	0.99120793
203	0.00222442	0.99343235
204	0.00171193	0.99514428
205	0.00130274	0.99644701
206	0.00098021	0.99742722
207	0.00072924	0.99815647
208	0.00053641	0.99869288
209	0.00039012	0.999083
210	0.00028051	0.99936351
211	0.00019942	0.99956293
212	0.00014016	0.99970308
213	0.00009739	0.99980047
214	0.0000669	0.99986737
215	0.00004543	0.99991279
216	0.00003049	0.99994329
217	0.00002024	0.99996352
218	0.00001327	0.9999768
219	0.00000861	0.9999854
220	0.00000552	0.99999092
221	0.00000349	0.99999442
222	0.00000219	0.9999966
223	0.00000135	0.99999796
224	8.3e-7	0.99999879
225	5e-7	0.99999929
226	3e-7	0.99999959
227	1.8e-7	0.99999976
228	1e-7	0.99999986
229	6e-8	0.99999992
230	3e-8	0.99999996
231	2e-8	0.99999998
232	1e-8	0.99999999

233	1e-8	0.99999999
234	0	1
...	...	...
360	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 360</b>
Erwartungswert: $\mu = 180$		
Standardabweichung: $\sigma = 9.487$		
1 $\sigma$ -Intervall: $p(171 \leq X \leq 189) = 0.68336061$		
2 $\sigma$ -Intervall: $p(162 \leq X \leq 198) = 0.94898339$		
3 $\sigma$ -Intervall: $p(152 \leq X \leq 208) = 0.99738576$		

<b>p = 0.5</b>		<b>n = 370</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
129	0	0
130	0	1e-8
131	0	1e-8
132	1e-8	2e-8
133	2e-8	4e-8
134	3e-8	6e-8
135	5e-8	1.1e-7
136	8e-8	2e-7
137	1.5e-7	3.4e-7
138	2.4e-7	5.9e-7
139	4.1e-7	0.000001
140	6.7e-7	0.00000167
141	0.0000011	0.00000277
142	0.00000177	0.00000455
143	0.00000283	0.00000737
144	0.00000446	0.00001183
145	0.00000695	0.00001878
146	0.00001071	0.0000295
147	0.00001632	0.00004582
148	0.00002459	0.00007041
149	0.00003664	0.00010706
150	0.00005399	0.00016105
151	0.00007866	0.00023971
152	0.00011333	0.00035304
153	0.00016148	0.00051452
154	0.00022754	0.00074206
155	0.00031709	0.00105915

156	0.00043701	0.00149616
157	0.00059567	0.00209183
158	0.00080303	0.00289486
159	0.0010707	0.00396556
160	0.00141199	0.00537755
161	0.00184172	0.00721927
162	0.00237605	0.00959532
163	0.00303202	0.01262734
164	0.00382699	0.01645433
165	0.00477795	0.02123228
166	0.00590047	0.02713275
167	0.00720777	0.03434051
168	0.00870938	0.0430499
169	0.01041003	0.05345993
170	0.01230833	0.06576826
171	0.01439571	0.08016397
172	0.0166555	0.09681947
173	0.01906237	0.11588184
174	0.0215821	0.13746394
175	0.02417196	0.16163589
176	0.02678143	0.18841732
177	0.02935366	0.21777098
178	0.03182728	0.24959825
179	0.03413876	0.28373701
180	0.03622501	0.31996202
181	0.03802626	0.35798828
182	0.03948881	0.39747709
183	0.04056773	0.43804482
184	0.04122917	0.47927399
185	0.04145203	0.52072601
186	0.04122917	0.56195518
187	0.04056773	0.60252291
188	0.03948881	0.64201172
189	0.03802626	0.68003798
190	0.03622501	0.71626299
191	0.03413876	0.75040175
192	0.03182728	0.78222902
193	0.02935366	0.81158268
194	0.02678143	0.83836411
195	0.02417196	0.86253606
196	0.0215821	0.88411816
197	0.01906237	0.90318053
198	0.0166555	0.91983603
199	0.01439571	0.93423174
200	0.01230833	0.94654007
201	0.01041003	0.9569501
202	0.00870938	0.96565949

203	0.00720777	0.97286725
204	0.00590047	0.97876772
205	0.00477795	0.98354567
206	0.00382699	0.98737266
207	0.00303202	0.99040468
208	0.00237605	0.99278073
209	0.00184172	0.99462245
210	0.00141199	0.99603444
211	0.0010707	0.99710514
212	0.00080303	0.99790817
213	0.00059567	0.99850384
214	0.00043701	0.99894085
215	0.00031709	0.99925794
216	0.00022754	0.99948548
217	0.00016148	0.99964696
218	0.00011333	0.99976029
219	0.00007866	0.99983895
220	0.00005399	0.99989294
221	0.00003664	0.99992959
222	0.00002459	0.99995418
223	0.00001632	0.9999705
224	0.00001071	0.99998122
225	0.00000695	0.99998817
226	0.00000446	0.99999263
227	0.00000283	0.99999545
228	0.00000177	0.99999723
229	0.0000011	0.99999833
230	6.7e-7	0.999999
231	4.1e-7	0.99999941
232	2.4e-7	0.99999966
233	1.5e-7	0.9999998
234	8e-8	0.99999989
235	5e-8	0.99999994
236	3e-8	0.99999996
237	2e-8	0.99999998
238	1e-8	0.99999999
239	0	0.99999999
240	0	1
...	...	...
370	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 370</b>
Erwartungswert: $\mu = 185$		
Standardabweichung: $\sigma = 9.618$		
$1\sigma$ -Intervall: $p(176 \leq X \leq 194) = 0.67672821$		

$2\sigma$ -Intervall: $p(166 \leq X \leq 204) = 0.95753545$
$3\sigma$ -Intervall: $p(157 \leq X \leq 213) = 0.99700768$

<b>p = 0.5</b>		<b>n = 380</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
134	0	0
135	0	1e-8
136	1e-8	2e-8
137	1e-8	3e-8
138	2e-8	5e-8
139	4e-8	9e-8
140	7e-8	1.6e-7
141	1.2e-7	2.8e-7
142	2e-7	4.8e-7
143	3.3e-7	8.2e-7
144	5.5e-7	0.00000137
145	8.9e-7	0.00000226
146	0.00000144	0.0000037
147	0.00000229	0.00000599
148	0.00000361	0.0000096
149	0.00000561	0.00001521
150	0.00000865	0.00002386
151	0.00001317	0.00003703
152	0.00001984	0.00005687
153	0.00002957	0.00008644
154	0.00004359	0.00013003
155	0.00006355	0.00019358
156	0.00009166	0.00028524
157	0.00013078	0.00041602
158	0.00018458	0.00060061
159	0.00025772	0.00085832
160	0.00035597	0.0012143
161	0.00048642	0.00170072
162	0.00065757	0.00235829
163	0.00087945	0.00323774
164	0.00116366	0.0044014
165	0.00152334	0.00592474
166	0.001973	0.00789774
167	0.00252828	0.01042602
168	0.00320549	0.01363151
169	0.00402109	0.01765261
170	0.00499089	0.02264349
171	0.00612916	0.02877265



172	0.00744764	0.03622029
173	0.00895439	0.04517467
174	0.01065263	0.05582731
175	0.01253967	0.06836698
176	0.01460587	0.08297284
177	0.01683388	0.09980672
178	0.01919819	0.11900491
179	0.021665	0.14066991
180	0.02419258	0.16486249
181	0.02673213	0.19159462
182	0.02922909	0.2208237
183	0.03162491	0.25244862
184	0.03385928	0.2863079
185	0.03587254	0.32218044
186	0.03760831	0.35978874
187	0.0390161	0.39880485
188	0.04005377	0.43885861
189	0.04068954	0.47954815
190	0.0409037	0.52045185
191	0.04068954	0.56114139
192	0.04005377	0.60119515
193	0.0390161	0.64021126
194	0.03760831	0.67781956
195	0.03587254	0.7136921
196	0.03385928	0.74755138
197	0.03162491	0.7791763
198	0.02922909	0.80840538
199	0.02673213	0.83513751
200	0.02419258	0.85933009
201	0.021665	0.88099509
202	0.01919819	0.90019328
203	0.01683388	0.91702716
204	0.01460587	0.93163302
205	0.01253967	0.94417269
206	0.01065263	0.95482533
207	0.00895439	0.96377971
208	0.00744764	0.97122735
209	0.00612916	0.97735651
210	0.00499089	0.98234739
211	0.00402109	0.98636849
212	0.00320549	0.98957398
213	0.00252828	0.99210226
214	0.001973	0.99407526
215	0.00152334	0.9955986
216	0.00116366	0.99676226
217	0.00087945	0.99764171
218	0.00065757	0.99829928

219	0.00048642	0.9987857
220	0.00035597	0.99914168
221	0.00025772	0.99939939
222	0.00018458	0.99958398
223	0.00013078	0.99971476
224	0.00009166	0.99980642
225	0.00006355	0.99986997
226	0.00004359	0.99991356
227	0.00002957	0.99994313
228	0.00001984	0.99996297
229	0.00001317	0.99997614
230	0.00000865	0.99998479
231	0.00000561	0.9999904
232	0.00000361	0.99999401
233	0.00000229	0.9999963
234	0.00000144	0.99999774
235	8.9e-7	0.99999863
236	5.5e-7	0.99999918
237	3.3e-7	0.99999952
238	2e-7	0.99999972
239	1.2e-7	0.99999984
240	7e-8	0.99999991
241	4e-8	0.99999995
242	2e-8	0.99999997
243	1e-8	0.99999998
244	1e-8	0.99999999
245	0	1
...	...	...
380	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 380</b>
Erwartungswert: $\mu = 190$		
Standardabweichung: $\sigma = 9.747$		
1 $\sigma$ -Intervall: $p(181 \leq X \leq 199) = 0.67027503$		
2 $\sigma$ -Intervall: $p(171 \leq X \leq 209) = 0.95471302$		
3 $\sigma$ -Intervall: $p(161 \leq X \leq 219) = 0.99757141$		

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<b>p = 0.5</b>		<b>n = 390</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	1e-8	2e-8
142	2e-8	4e-8
143	3e-8	8e-8
144	6e-8	1.4e-7
145	1e-7	2.3e-7
146	1.6e-7	4e-7
147	2.7e-7	6.7e-7
148	4.5e-7	0.00000112
149	7.3e-7	0.00000184
150	0.00000117	0.00000301
151	0.00000185	0.00000487
152	0.00000292	0.00000778
153	0.00000454	0.00001232
154	0.00000698	0.0000193
155	0.00001063	0.00002993
156	0.00001602	0.00004595
157	0.00002387	0.00006982
158	0.0000352	0.00010502
159	0.00005136	0.00015638
160	0.00007415	0.00023053
161	0.00010593	0.00033646
162	0.00014974	0.00048621
163	0.00020946	0.00069567
164	0.00028992	0.00098559
165	0.0003971	0.00138269
166	0.00053824	0.00192093
167	0.00072195	0.00264288
168	0.00095831	0.00360119
169	0.00125884	0.00486003
170	0.00163649	0.00649652
171	0.00210543	0.00860195
172	0.00268075	0.0112827
173	0.00337805	0.01466075
174	0.00421286	0.01887361
175	0.00519987	0.02407349
176	0.00635212	0.03042561
177	0.00767996	0.03810557
178	0.00919007	0.04729564
179	0.01088433	0.05817996
180	0.01275885	0.07093881
181	0.01480308	0.0857419
182	0.01699915	0.10274104
183	0.01932143	0.12206248
184	0.02173661	0.14379909
185	0.02420401	0.1680031
186	0.02667647	0.19467957

187	0.0291016	0.22378116
188	0.03142353	0.2552047
189	0.03358494	0.28878964
190	0.03552933	0.32431897
191	0.03720349	0.36152246
192	0.03855987	0.40008233
193	0.03955883	0.43964116
194	0.04017056	0.47981172
195	0.04037656	0.52018828
196	0.04017056	0.56035884
197	0.03955883	0.59991767
198	0.03855987	0.63847754
199	0.03720349	0.67568103
200	0.03552933	0.71121036
201	0.03358494	0.7447953
202	0.03142353	0.77621884
203	0.0291016	0.80532043
204	0.02667647	0.8319969
205	0.02420401	0.85620091
206	0.02173661	0.87793752
207	0.01932143	0.89725896
208	0.01699915	0.9142581
209	0.01480308	0.92906119
210	0.01275885	0.94182004
211	0.01088433	0.95270436
212	0.00919007	0.96189443
213	0.00767996	0.96957439
214	0.00635212	0.97592651
215	0.00519987	0.98112639
216	0.00421286	0.98533925
217	0.00337805	0.9887173
218	0.00268075	0.99139805
219	0.00210543	0.99350348
220	0.00163649	0.99513997
221	0.00125884	0.99639881
222	0.00095831	0.99735712
223	0.00072195	0.99807907
224	0.00053824	0.99861731
225	0.0003971	0.99901441
226	0.00028992	0.99930433
227	0.00020946	0.99951379
228	0.00014974	0.99966354
229	0.00010593	0.99976947
230	0.00007415	0.99984362
231	0.00005136	0.99989498
232	0.0000352	0.99993018
233	0.00002387	0.99995405

234	0.00001602	0.99997007
235	0.00001063	0.9999807
236	0.00000698	0.99998768
237	0.00000454	0.99999222
238	0.00000292	0.99999513
239	0.00000185	0.99999699
240	0.00000117	0.99999816
241	7.3e-7	0.99999888
242	4.5e-7	0.99999933
243	2.7e-7	0.9999996
244	1.6e-7	0.99999977
245	1e-7	0.99999986
246	6e-8	0.99999992
247	3e-8	0.99999996
248	2e-8	0.99999998
249	1e-8	0.99999999
250	1e-8	0.99999999
251	0	1
...	...	...
390	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 390</b>
Erwartungswert: $\mu = 195$		
Standardabweichung: $\sigma = 9.874$		
1 $\sigma$ -Intervall: $p(186 \leq X \leq 204) = 0.6639938$		
2 $\sigma$ -Intervall: $p(176 \leq X \leq 214) = 0.95185302$		
3 $\sigma$ -Intervall: $p(166 \leq X \leq 224) = 0.99723462$		

<b>p = 0.5</b>		<b>n = 400</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
142	0	0
143	0	1e-8
144	1e-8	1e-8
145	1e-8	2e-8
146	2e-8	4e-8
147	3e-8	6e-8
148	5e-8	1.1e-7
149	8e-8	1.9e-7
150	1.3e-7	3.3e-7
151	2.2e-7	5.5e-7
152	3.6e-7	9.1e-7

153	5.9e-7	0.0000015
154	9.5e-7	0.00000245
155	0.0000015	0.00000395
156	0.00000236	0.00000631
157	0.00000367	0.00000998
158	0.00000564	0.00001562
159	0.00000858	0.0000242
160	0.00001293	0.00003713
161	0.00001927	0.00005641
162	0.00002844	0.00008484
163	0.00004152	0.00012636
164	0.00006	0.00018636
165	0.00008582	0.00027218
166	0.00012149	0.00039367
167	0.00017023	0.0005639
168	0.0002361	0.0008
169	0.00032411	0.0011241
170	0.0004404	0.00156451
171	0.00059236	0.00215686
172	0.00078866	0.00294552
173	0.00103939	0.00398492
174	0.00135599	0.0053409
175	0.00175116	0.00709206
176	0.0022387	0.00933076
177	0.00283316	0.01216392
178	0.0035494	0.01571332
179	0.00440205	0.02011537
180	0.00540474	0.02552011
181	0.0065693	0.03208941
182	0.00790482	0.03999423
183	0.00941667	0.04941089
184	0.01110552	0.06051642
185	0.01296645	0.07348287
186	0.0149881	0.08847097
187	0.01715216	0.10562313
188	0.01943303	0.12505616
189	0.0217979	0.14685406
190	0.02420714	0.1710612
191	0.02661518	0.19767638
192	0.02897173	0.22664811
193	0.03122342	0.25787153
194	0.03331571	0.29118724
195	0.03519506	0.3263823
196	0.03681116	0.36319346
197	0.03811917	0.40131263
198	0.03908177	0.4403944
199	0.03967095	0.48006535

200	0.0398693	0.51993465
201	0.03967095	0.5596056
202	0.03908177	0.59868737
203	0.03811917	0.63680654
204	0.03681116	0.6736177
205	0.03519506	0.70881276
206	0.03331571	0.74212847
207	0.03122342	0.77335189
208	0.02897173	0.80232362
209	0.02661518	0.8289388
210	0.02420714	0.85314594
211	0.0217979	0.87494384
212	0.01943303	0.89437687
213	0.01715216	0.91152903
214	0.0149881	0.92651713
215	0.01296645	0.93948358
216	0.01110552	0.95058911
217	0.00941667	0.96000577
218	0.00790482	0.96791059
219	0.0065693	0.97447989
220	0.00540474	0.97988463
221	0.00440205	0.98428668
222	0.0035494	0.98783608
223	0.00283316	0.99066924
224	0.0022387	0.99290794
225	0.00175116	0.9946591
226	0.00135599	0.99601508
227	0.00103939	0.99705448
228	0.00078866	0.99784314
229	0.00059236	0.99843549
230	0.0004404	0.9988759
231	0.00032411	0.9992
232	0.0002361	0.9994361
233	0.00017023	0.99960633
234	0.00012149	0.99972782
235	0.00008582	0.99981364
236	0.00006	0.99987364
237	0.00004152	0.99991516
238	0.00002844	0.99994359
239	0.00001927	0.99996287
240	0.00001293	0.9999758
241	0.00000858	0.99998438
242	0.00000564	0.99999002
243	0.00000367	0.99999369
244	0.00000236	0.99999605
245	0.0000015	0.99999755
246	9.5e-7	0.9999985

247	5.9e-7	0.99999909
248	3.6e-7	0.99999945
249	2.2e-7	0.99999967
250	1.3e-7	0.99999981
251	8e-8	0.99999989
252	5e-8	0.99999994
253	3e-8	0.99999996
254	2e-8	0.99999998
255	1e-8	0.99999999
256	1e-8	0.99999999
257	0	1
...	...	...
400	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 400</b>
Erwartungswert: $\mu = 200$		
Standardabweichung: $\sigma = 10$		
1 $\sigma$ -Intervall: $p(190 \leq X \leq 210) = 0.70629188$		
2 $\sigma$ -Intervall: $p(180 \leq X \leq 220) = 0.95976926$		
3 $\sigma$ -Intervall: $p(170 \leq X \leq 230) = 0.99775179$		

<b>p = 0.5</b>	<b>n = 410</b>	
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
146	0	0
147	0	1e-8
148	0	1e-8
149	1e-8	2e-8
150	1e-8	3e-8
151	2e-8	5e-8
152	4e-8	9e-8
153	7e-8	1.6e-7
154	1.1e-7	2.7e-7
155	1.8e-7	4.5e-7
156	3e-7	7.5e-7
157	4.8e-7	0.00000123
158	7.7e-7	0.00000199
159	0.00000122	0.00000321
160	0.00000191	0.00000512
161	0.00000296	0.00000808
162	0.00000456	0.00001264
163	0.00000693	0.00001957



164	0.00001044	0.00003002
165	0.00001557	0.00004559
166	0.00002298	0.00006856
167	0.00003357	0.00010213
168	0.00004856	0.00015069
169	0.00006953	0.00022023
170	0.00009857	0.0003188
171	0.00013835	0.00045715
172	0.00019224	0.00064939
173	0.00026447	0.00091387
174	0.00036023	0.0012741
175	0.0004858	0.00175989
176	0.00064865	0.00240854
177	0.00085753	0.00326607
178	0.0011225	0.00438857
179	0.00145486	0.00584344
180	0.00186707	0.00771051
181	0.00237252	0.01008304
182	0.00298521	0.01306825
183	0.00371928	0.01678752
184	0.00458846	0.02137598
185	0.00560536	0.02698134
186	0.00678068	0.03376201
187	0.00812231	0.04188432
188	0.00963444	0.05151876
189	0.01131664	0.0628354
190	0.01316304	0.07599844
191	0.01516162	0.09116006
192	0.01729372	0.10845378
193	0.01953384	0.12798761
194	0.02184971	0.14983732
195	0.02420275	0.17404007
196	0.02654894	0.20058901
197	0.02883996	0.22942897
198	0.03102481	0.26045378
199	0.03305155	0.29350533
200	0.03486939	0.32837472
201	0.0364307	0.36480542
202	0.03769315	0.40249858
203	0.03862156	0.44112013
204	0.03918952	0.48030966
205	0.03938069	0.51969034
206	0.03918952	0.55887987
207	0.03862156	0.59750142
208	0.03769315	0.63519458
209	0.0364307	0.67162528
210	0.03486939	0.70649467

211	0.03305155	0.73954622
212	0.03102481	0.77057103
213	0.02883996	0.79941099
214	0.02654894	0.82595993
215	0.02420275	0.85016268
216	0.02184971	0.87201239
217	0.01953384	0.89154622
218	0.01729372	0.90883994
219	0.01516162	0.92400156
220	0.01316304	0.9371646
221	0.01131664	0.94848124
222	0.00963444	0.95811568
223	0.00812231	0.96623799
224	0.00678068	0.97301866
225	0.00560536	0.97862402
226	0.00458846	0.98321248
227	0.00371928	0.98693175
228	0.00298521	0.98991696
229	0.00237252	0.99228949
230	0.00186707	0.99415656
231	0.00145486	0.99561143
232	0.0011225	0.99673393
233	0.00085753	0.99759146
234	0.00064865	0.99824011
235	0.0004858	0.9987259
236	0.00036023	0.99908613
237	0.00026447	0.99935061
238	0.00019224	0.99954285
239	0.00013835	0.9996812
240	0.00009857	0.99977977
241	0.00006953	0.99984931
242	0.00004856	0.99989787
243	0.00003357	0.99993144
244	0.00002298	0.99995441
245	0.00001557	0.99996998
246	0.00001044	0.99998043
247	0.00000693	0.99998736
248	0.00000456	0.99999192
249	0.00000296	0.99999488
250	0.00000191	0.99999679
251	0.00000122	0.99999801
252	7.7e-7	0.99999877
253	4.8e-7	0.99999925
254	3e-7	0.99999955
255	1.8e-7	0.99999973
256	1.1e-7	0.99999984
257	7e-8	0.99999991

258	4e-8	0.99999995
259	2e-8	0.99999997
260	1e-8	0.99999998
261	1e-8	0.99999999
262	0	0.99999999
263	0	1
...	...	...
410	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 410</b>
Erwartungswert: $\mu = 205$		
Standardabweichung: $\sigma = 10.124$		
1 $\sigma$ -Intervall: $p(195 \leq X \leq 215) = 0.70032536$		
2 $\sigma$ -Intervall: $p(185 \leq X \leq 225) = 0.95724804$		
3 $\sigma$ -Intervall: $p(175 \leq X \leq 235) = 0.99745181$		

<b>p = 0.5</b>		<b>n = 420</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
151	0	0
152	0	1e-8
153	1e-8	1e-8
154	1e-8	3e-8
155	2e-8	4e-8
156	3e-8	8e-8
157	5e-8	1.3e-7
158	9e-8	2.2e-7
159	1.5e-7	3.7e-7
160	2.4e-7	6.1e-7
161	3.9e-7	0.000001
162	6.2e-7	0.00000162
163	9.9e-7	0.00000261
164	0.00000155	0.00000415
165	0.0000024	0.00000655
166	0.00000368	0.00001023
167	0.0000056	0.00001584
168	0.00000844	0.00002427
169	0.00001258	0.00003685
170	0.00001857	0.00005542
171	0.00002715	0.00008257
172	0.00003931	0.00012188
173	0.00005635	0.00017823

174	0.00007999	0.00025821
175	0.00011244	0.00037065
176	0.00015652	0.00052717
177	0.00021577	0.00074294
178	0.00029456	0.0010375
179	0.00039823	0.00143574
180	0.00053319	0.00196893
181	0.00070699	0.00267592
182	0.00092841	0.00360433
183	0.00120744	0.00481178
184	0.00155524	0.00636702
185	0.00198398	0.008351
186	0.00250664	0.01085765
187	0.00313666	0.0139943
188	0.00388745	0.01788175
189	0.0047719	0.02265365
190	0.00580162	0.02845528
191	0.00698625	0.03544153
192	0.00833256	0.04377409
193	0.00984364	0.05361773
194	0.01151808	0.06513581
195	0.01334916	0.07848497
196	0.01532429	0.09380926
197	0.01742457	0.11123383
198	0.01962464	0.13085847
199	0.02189282	0.15275129
200	0.02419156	0.17694285
201	0.02647833	0.20342118
202	0.0287067	0.23212789
203	0.03082789	0.26295578
204	0.03279241	0.29574819
205	0.034552	0.33030019
206	0.03606156	0.36636175
207	0.03728103	0.40364278
208	0.03817721	0.44181999
209	0.03872521	0.48054519
210	0.03890961	0.51945481
211	0.03872521	0.55818001
212	0.03817721	0.59635722
213	0.03728103	0.63363825
214	0.03606156	0.66969981
215	0.034552	0.70425181
216	0.03279241	0.73704422
217	0.03082789	0.76787211
218	0.0287067	0.79657882
219	0.02647833	0.82305715
220	0.02419156	0.84724871

221	0.02189282	0.86914153
222	0.01962464	0.88876617
223	0.01742457	0.90619074
224	0.01532429	0.92151503
225	0.01334916	0.93486419
226	0.01151808	0.94638227
227	0.00984364	0.95622591
228	0.00833256	0.96455847
229	0.00698625	0.97154472
230	0.00580162	0.97734635
231	0.0047719	0.98211825
232	0.00388745	0.9860057
233	0.00313666	0.98914235
234	0.00250664	0.991649
235	0.00198398	0.99363298
236	0.00155524	0.99518822
237	0.00120744	0.99639567
238	0.00092841	0.99732408
239	0.00070699	0.99803107
240	0.00053319	0.99856426
241	0.00039823	0.9989625
242	0.00029456	0.99925706
243	0.00021577	0.99947283
244	0.00015652	0.99962935
245	0.00011244	0.99974179
246	0.00007999	0.99982177
247	0.00005635	0.99987812
248	0.00003931	0.99991743
249	0.00002715	0.99994458
250	0.00001857	0.99996315
251	0.00001258	0.99997573
252	0.00000844	0.99998416
253	0.0000056	0.99998977
254	0.00000368	0.99999345
255	0.0000024	0.99999585
256	0.00000155	0.99999739
257	9.9e-7	0.99999838
258	6.2e-7	0.999999
259	3.9e-7	0.99999939
260	2.4e-7	0.99999963
261	1.5e-7	0.99999978
262	9e-8	0.99999987
263	5e-8	0.99999992
264	3e-8	0.99999996
265	2e-8	0.99999997
266	1e-8	0.99999999
267	1e-8	0.99999999

268	0	1
...	...	...
420	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 420</b>
Erwartungswert: $\mu = 210$		
Standardabweichung: $\sigma = 10.247$		
1 $\sigma$ -Intervall: $p(200 \leq X \leq 220) = 0.69449742$		
2 $\sigma$ -Intervall: $p(190 \leq X \leq 230) = 0.95469269$		
3 $\sigma$ -Intervall: $p(180 \leq X \leq 240) = 0.99712852$		

<b>p = 0.5</b>		<b>n = 430</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
155	0	0
156	0	1e-8
157	1e-8	1e-8
158	1e-8	2e-8
159	2e-8	4e-8
160	3e-8	6e-8
161	4e-8	1.1e-7
162	7e-8	1.8e-7
163	1.2e-7	3e-7
164	2e-7	5e-7
165	3.2e-7	8.1e-7
166	5.1e-7	0.00000132
167	8e-7	0.00000212
168	0.00000125	0.00000337
169	0.00000194	0.00000531
170	0.00000298	0.00000829
171	0.00000453	0.00001281
172	0.00000682	0.00001963
173	0.00001017	0.0000298
174	0.00001501	0.00004481
175	0.00002196	0.00006677
176	0.00003182	0.0000986
177	0.00004567	0.00014427
178	0.00006491	0.00020918
179	0.00009138	0.00030056
180	0.00012743	0.00042799
181	0.000176	0.00060399
182	0.0002408	0.00084479
183	0.00032633	0.00117111

184	0.00043806	0.00160917
185	0.0005825	0.00219166
186	0.00076727	0.00295893
187	0.00100114	0.00396007
188	0.00129403	0.0052541
189	0.0016569	0.006911
190	0.00210165	0.00901265
191	0.00264082	0.01165347
192	0.00328727	0.01494073
193	0.00405373	0.01899446
194	0.00495223	0.02394669
195	0.00599347	0.02994017
196	0.00718605	0.03712622
197	0.00853572	0.04566194
198	0.01004455	0.05570649
199	0.01171023	0.06741672
200	0.01352532	0.08094205
201	0.01547674	0.09641878
202	0.01754541	0.11396419
203	0.01970617	0.13367036
204	0.02192795	0.15559831
205	0.02417422	0.17977253
206	0.02640389	0.20617642
207	0.02857232	0.23474874
208	0.03063282	0.26538156
209	0.03253822	0.29791978
210	0.0342426	0.33216238
211	0.03570318	0.36786556
212	0.03688206	0.40474763
213	0.03774784	0.44249546
214	0.03827701	0.48077248
215	0.03845505	0.51922752
216	0.03827701	0.55750454
217	0.03774784	0.59525237
218	0.03688206	0.63213444
219	0.03570318	0.66783762
220	0.0342426	0.70208022
221	0.03253822	0.73461844
222	0.03063282	0.76525126
223	0.02857232	0.79382358
224	0.02640389	0.82022747
225	0.02417422	0.84440169
226	0.02192795	0.86632964
227	0.01970617	0.88603581
228	0.01754541	0.90358122
229	0.01547674	0.91905795
230	0.01352532	0.93258328

231	0.01171023	0.94429351
232	0.01004455	0.95433806
233	0.00853572	0.96287378
234	0.00718605	0.97005983
235	0.00599347	0.97605331
236	0.00495223	0.98100554
237	0.00405373	0.98505927
238	0.00328727	0.98834653
239	0.00264082	0.99098735
240	0.00210165	0.993089
241	0.0016569	0.9947459
242	0.00129403	0.99603993
243	0.00100114	0.99704107
244	0.00076727	0.99780834
245	0.0005825	0.99839083
246	0.00043806	0.99882889
247	0.00032633	0.99915521
248	0.0002408	0.99939601
249	0.000176	0.99957201
250	0.00012743	0.99969944
251	0.00009138	0.99979082
252	0.00006491	0.99985573
253	0.00004567	0.9999014
254	0.00003182	0.99993323
255	0.00002196	0.99995519
256	0.00001501	0.9999702
257	0.00001017	0.99998037
258	0.00000682	0.99998719
259	0.00000453	0.99999171
260	0.00000298	0.99999469
261	0.00000194	0.99999663
262	0.00000125	0.99999788
263	8e-7	0.99999868
264	5.1e-7	0.99999919
265	3.2e-7	0.9999995
266	2e-7	0.9999997
267	1.2e-7	0.99999982
268	7e-8	0.99999989
269	4e-8	0.99999994
270	3e-8	0.99999996
271	2e-8	0.99999998
272	1e-8	0.99999999
273	1e-8	0.99999999
274	0	1
...	...	...
430	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>



<b>p = 0.5</b>	<b>n = 430</b>
Erwartungswert: $\mu = 215$	
Standardabweichung: $\sigma = 10.368$	
1 $\sigma$ -Intervall: $p(205 \leq X \leq 225) = 0.68880338$	
2 $\sigma$ -Intervall: $p(195 \leq X \leq 235) = 0.95210661$	
3 $\sigma$ -Intervall: $p(184 \leq X \leq 246) = 0.99765778$	

<b>p = 0.5</b>		<b>n = 440</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
159	0	0
160	0	1e-8
161	0	1e-8
162	1e-8	2e-8
163	1e-8	3e-8
164	2e-8	5e-8
165	4e-8	9e-8
166	6e-8	1.5e-7
167	1e-7	2.5e-7
168	1.6e-7	4.1e-7
169	2.6e-7	6.6e-7
170	4.1e-7	0.00000107
171	6.5e-7	0.00000172
172	0.00000101	0.00000273
173	0.00000157	0.0000043
174	0.00000241	0.00000671
175	0.00000366	0.00001037
176	0.00000551	0.00001588
177	0.00000822	0.0000241
178	0.00001214	0.00003624
179	0.00001777	0.00005401
180	0.00002577	0.00007978
181	0.00003702	0.0001168
182	0.00005268	0.00016948
183	0.00007427	0.00024375
184	0.00010373	0.00034748
185	0.00014355	0.00049103
186	0.0001968	0.00068782
187	0.00026731	0.00095513
188	0.00035973	0.00131485
189	0.00047963	0.00179449
190	0.00063362	0.00242811

191	0.00082935	0.00325746
192	0.00107556	0.00433302
193	0.00138207	0.00571508
194	0.00175964	0.00747472
195	0.00221986	0.00969458
196	0.00277482	0.0124694
197	0.00343683	0.01590623
198	0.00421793	0.02012416
199	0.00512934	0.0252535
200	0.00618086	0.03143436
201	0.00738013	0.03881449
202	0.00873193	0.04754642
203	0.01023744	0.05778386
204	0.0118935	0.06967736
205	0.01369202	0.08336938
206	0.01561954	0.09898892
207	0.01765687	0.1166458
208	0.01977909	0.13642489
209	0.02195574	0.15838063
210	0.02415132	0.18253195
211	0.02632608	0.20885802
212	0.02843713	0.23729516
213	0.03043975	0.2677349
214	0.03228889	0.30002379
215	0.03394088	0.33396467
216	0.03535508	0.36931975
217	0.03649557	0.40581532
218	0.03733262	0.44314795
219	0.03784403	0.48099198
220	0.03801605	0.51900802
221	0.03784403	0.55685205
222	0.03733262	0.59418468
223	0.03649557	0.63068025
224	0.03535508	0.66603533
225	0.03394088	0.69997621
226	0.03228889	0.7322651
227	0.03043975	0.76270484
228	0.02843713	0.79114198
229	0.02632608	0.81746805
230	0.02415132	0.84161937
231	0.02195574	0.86357511
232	0.01977909	0.8833542
233	0.01765687	0.90101108
234	0.01561954	0.91663062
235	0.01369202	0.93032264
236	0.0118935	0.94221614
237	0.01023744	0.95245358

238	0.00873193	0.96118551
239	0.00738013	0.96856564
240	0.00618086	0.9747465
241	0.00512934	0.97987584
242	0.00421793	0.98409377
243	0.00343683	0.9875306
244	0.00277482	0.99030542
245	0.00221986	0.99252528
246	0.00175964	0.99428492
247	0.00138207	0.99566698
248	0.00107556	0.99674254
249	0.00082935	0.99757189
250	0.00063362	0.99820551
251	0.00047963	0.99868515
252	0.00035973	0.99904487
253	0.00026731	0.99931218
254	0.0001968	0.99950897
255	0.00014355	0.99965252
256	0.00010373	0.99975625
257	0.00007427	0.99983052
258	0.00005268	0.9998832
259	0.00003702	0.99992022
260	0.00002577	0.99994599
261	0.00001777	0.99996376
262	0.00001214	0.9999759
263	0.00000822	0.99998412
264	0.00000551	0.99998963
265	0.00000366	0.99999329
266	0.00000241	0.9999957
267	0.00000157	0.99999727
268	0.00000101	0.99999828
269	6.5e-7	0.99999893
270	4.1e-7	0.99999934
271	2.6e-7	0.99999959
272	1.6e-7	0.99999975
273	1e-7	0.99999985
274	6e-8	0.99999991
275	4e-8	0.99999995
276	2e-8	0.99999997
277	1e-8	0.99999998
278	1e-8	0.99999999
279	0	0.99999999
280	0	1
...	...	...
440	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.5</b>	<b>n = 440</b>

Erwartungswert: $\mu = 220$
Standardabweichung: $\sigma = 10.488$
1 $\sigma$ -Intervall: $p(210 \leq X \leq 230) = 0.68323874$
2 $\sigma$ -Intervall: $p(200 \leq X \leq 240) = 0.949493$
3 $\sigma$ -Intervall: $p(189 \leq X \leq 251) = 0.99737029$

p = 0.5		n = 450
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
164	0	0
165	0	1e-8
166	1e-8	1e-8
167	1e-8	3e-8
168	2e-8	4e-8
169	3e-8	7e-8
170	5e-8	1.2e-7
171	8e-8	2e-7
172	1.3e-7	3.3e-7
173	2.1e-7	5.4e-7
174	3.3e-7	8.7e-7
175	5.2e-7	0.0000014
176	8.2e-7	0.00000222
177	0.00000127	0.00000349
178	0.00000195	0.00000544
179	0.00000296	0.00000839
180	0.00000445	0.00001285
181	0.00000664	0.00001949
182	0.00000982	0.00002932
183	0.00001438	0.0000437
184	0.00002087	0.00006457
185	0.00003001	0.00009458
186	0.00004276	0.00013734
187	0.00006036	0.0001977
188	0.00008444	0.00028214
189	0.00011706	0.00039919
190	0.0001608	0.00055999
191	0.00021889	0.00077888
192	0.00029527	0.00107415
193	0.00039471	0.00146887
194	0.00052289	0.00199176
195	0.00068647	0.00267823
196	0.00089311	0.00357134

197	0.00115152	0.00472286
198	0.00147139	0.00619424
199	0.00186326	0.00805751
200	0.0023384	0.0103959
201	0.00290845	0.01330435
202	0.00358517	0.01688952
203	0.00437991	0.02126943
204	0.00530313	0.02657256
205	0.00636376	0.03293632
206	0.00756854	0.04050486
207	0.00892138	0.04942624
208	0.01042257	0.05984881
209	0.01206824	0.07191704
210	0.01384974	0.08576678
211	0.01575326	0.10152004
212	0.01775957	0.11927961
213	0.01984403	0.13912364
214	0.02197679	0.16110043
215	0.02412336	0.18522379
216	0.02624533	0.21146912
217	0.02830141	0.23977054
218	0.03024876	0.27001929
219	0.03204435	0.30206364
220	0.03364656	0.3357102
221	0.03501679	0.37072699
222	0.03612092	0.40684791
223	0.0369308	0.44377871
224	0.03742541	0.48120413
225	0.03759175	0.51879587
226	0.03742541	0.55622129
227	0.0369308	0.59315209
228	0.03612092	0.62927301
229	0.03501679	0.6642898
230	0.03364656	0.69793636
231	0.03204435	0.72998071
232	0.03024876	0.76022946
233	0.02830141	0.78853088
234	0.02624533	0.81477621
235	0.02412336	0.83889957
236	0.02197679	0.86087636
237	0.01984403	0.88072039
238	0.01775957	0.89847996
239	0.01575326	0.91423322
240	0.01384974	0.92808296
241	0.01206824	0.94015119
242	0.01042257	0.95057376
243	0.00892138	0.95949514

244	0.00756854	0.96706368
245	0.00636376	0.97342744
246	0.00530313	0.97873057
247	0.00437991	0.98311048
248	0.00358517	0.98669565
249	0.00290845	0.9896041
250	0.0023384	0.99194249
251	0.00186326	0.99380576
252	0.00147139	0.99527714
253	0.00115152	0.99642866
254	0.00089311	0.99732177
255	0.00068647	0.99800824
256	0.00052289	0.99853113
257	0.00039471	0.99892585
258	0.00029527	0.99922112
259	0.00021889	0.99944001
260	0.0001608	0.99960081
261	0.00011706	0.99971786
262	0.00008444	0.9998023
263	0.00006036	0.99986266
264	0.00004276	0.99990542
265	0.00003001	0.99993543
266	0.00002087	0.9999563
267	0.00001438	0.99997068
268	0.00000982	0.99998051
269	0.00000664	0.99998715
270	0.00000445	0.99999161
271	0.00000296	0.99999456
272	0.00000195	0.99999651
273	0.00000127	0.99999778
274	8.2e-7	0.9999986
275	5.2e-7	0.99999913
276	3.3e-7	0.99999946
277	2.1e-7	0.99999967
278	1.3e-7	0.9999998
279	8e-8	0.99999988
280	5e-8	0.99999993
281	3e-8	0.99999996
282	2e-8	0.99999997
283	1e-8	0.99999999
284	1e-8	0.99999999
285	0	1
...	...	...
450	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.5</b>	<b>n = 450</b>
Erwartungswert: $\mu = 225$		

Standardabweichung: $\sigma = 10.607$
1 $\sigma$ -Intervall: $p(215 \leq X \leq 235) = 0.67779914$
2 $\sigma$ -Intervall: $p(204 \leq X \leq 246) = 0.95746113$
3 $\sigma$ -Intervall: $p(194 \leq X \leq 256) = 0.99706227$

p = 0.5		n = 460
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
168	0	0
169	0	1e-8
170	1e-8	1e-8
171	1e-8	2e-8
172	1e-8	4e-8
173	2e-8	6e-8
174	4e-8	1e-7
175	7e-8	1.6e-7
176	1.1e-7	2.7e-7
177	1.7e-7	4.4e-7
178	2.7e-7	7.1e-7
179	4.3e-7	0.00000114
180	6.6e-7	0.0000018
181	0.00000103	0.00000283
182	0.00000158	0.0000044
183	0.00000239	0.0000068
184	0.0000036	0.0000104
185	0.00000537	0.00001577
186	0.00000795	0.00002372
187	0.00001164	0.00003536
188	0.00001691	0.00005227
189	0.00002433	0.0000766
190	0.0000347	0.00011131
191	0.00004906	0.00016036
192	0.00006873	0.0002291
193	0.00009544	0.00032454
194	0.00013136	0.0004559
195	0.00017919	0.00063509
196	0.00024227	0.00087735
197	0.00032466	0.00120201
198	0.00043124	0.00163326
199	0.00056777	0.00220103
200	0.00074094	0.00294196
201	0.00095842	0.00390039
202	0.00122887	0.00512926

203	0.00156182	0.00669107
204	0.00196758	0.00865866
205	0.00245708	0.01111574
206	0.00304153	0.01415727
207	0.00373212	0.01788939
208	0.00453955	0.02242894
209	0.00547352	0.02790246
210	0.00654216	0.03444462
211	0.00775138	0.042196
212	0.00910421	0.05130022
213	0.01060021	0.06190043
214	0.01223482	0.07413525
215	0.01399891	0.08813417
216	0.0158784	0.10401256
217	0.01785405	0.12186661
218	0.01990153	0.14176815
219	0.02199165	0.1637598
220	0.02409085	0.18785065
221	0.02616201	0.21401266
222	0.02816541	0.24217807
223	0.03005994	0.27223802
224	0.03180449	0.30404251
225	0.03335938	0.33740189
226	0.03468785	0.37208974
227	0.03575752	0.40784726
228	0.03654168	0.44438894
229	0.03702039	0.48140933
230	0.03718135	0.51859067
231	0.03702039	0.55561106
232	0.03654168	0.59215274
233	0.03575752	0.62791026
234	0.03468785	0.66259811
235	0.03335938	0.69595749
236	0.03180449	0.72776198
237	0.03005994	0.75782193
238	0.02816541	0.78598734
239	0.02616201	0.81214935
240	0.02409085	0.8362402
241	0.02199165	0.85823185
242	0.01990153	0.87813339
243	0.01785405	0.89598744
244	0.0158784	0.91186583
245	0.01399891	0.92586475
246	0.01223482	0.93809957
247	0.01060021	0.94869978
248	0.00910421	0.957804
249	0.00775138	0.96555538



250	0.00654216	0.97209754
251	0.00547352	0.97757106
252	0.00453955	0.98211061
253	0.00373212	0.98584273
254	0.00304153	0.98888426
255	0.00245708	0.99134134
256	0.00196758	0.99330893
257	0.00156182	0.99487074
258	0.00122887	0.99609961
259	0.00095842	0.99705804
260	0.00074094	0.99779897
261	0.00056777	0.99836674
262	0.00043124	0.99879799
263	0.00032466	0.99912265
264	0.00024227	0.99936491
265	0.00017919	0.9995441
266	0.00013136	0.99967546
267	0.00009544	0.9997709
268	0.00006873	0.99983964
269	0.00004906	0.99988869
270	0.0000347	0.9999234
271	0.00002433	0.99994773
272	0.00001691	0.99996464
273	0.00001164	0.99997628
274	0.00000795	0.99998423
275	0.00000537	0.9999896
276	0.0000036	0.9999932
277	0.00000239	0.9999956
278	0.00000158	0.99999717
279	0.00000103	0.9999982
280	6.6e-7	0.99999886
281	4.3e-7	0.99999929
282	2.7e-7	0.99999956
283	1.7e-7	0.99999973
284	1.1e-7	0.99999984
285	7e-8	0.9999999
286	4e-8	0.99999994
287	2e-8	0.99999996
288	1e-8	0.99999998
289	1e-8	0.99999999
290	1e-8	0.99999999
291	0	1
...	...	...
460	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.5</b>	<b>n = 460</b>
Erwartungswert: $\mu = 230$		

Standardabweichung: $\sigma = 10.724$
1 $\sigma$ -Intervall: $p(220 \leq X \leq 240) = 0.6724804$
2 $\sigma$ -Intervall: $p(209 \leq X \leq 251) = 0.95514213$
3 $\sigma$ -Intervall: $p(198 \leq X \leq 262) = 0.99759597$

p = 0.5		n = 470
k	p(X=k)	p(x≤k)
0	0	0
...	...	...
172	0	0
173	0	1e-8
174	0	1e-8
175	1e-8	2e-8
176	1e-8	3e-8
177	2e-8	5e-8
178	3e-8	8e-8
179	5e-8	1.3e-7
180	9e-8	2.2e-7
181	1.4e-7	3.6e-7
182	2.2e-7	5.8e-7
183	3.4e-7	9.2e-7
184	5.4e-7	0.00000146
185	8.3e-7	0.00000229
186	0.00000127	0.00000357
187	0.00000194	0.0000055
188	0.00000291	0.00000842
189	0.00000435	0.00001277
190	0.00000643	0.0000192
191	0.00000943	0.00002862
192	0.0000137	0.00004232
193	0.00001973	0.00006205
194	0.00002817	0.00009022
195	0.00003987	0.0001301
196	0.00005595	0.00018604
197	0.00007781	0.00026385
198	0.00010729	0.00037114
199	0.00014664	0.00051779
200	0.0001987	0.00071649
201	0.00026691	0.0009834
202	0.00035545	0.00133885
203	0.00046926	0.00180811
204	0.00061418	0.00242228
205	0.00079693	0.00321921
206	0.00102518	0.00424439

207	0.00130747	0.00555186
208	0.0016532	0.00720506
209	0.00207243	0.00927749
210	0.00257573	0.01185322
211	0.00317389	0.01502711
212	0.00387754	0.01890465
213	0.00469673	0.02360138
214	0.00564047	0.02924185
215	0.00671609	0.03595795
216	0.00792872	0.04388667
217	0.00928062	0.05316729
218	0.01077063	0.06393793
219	0.01239361	0.07633153
220	0.01413998	0.09047151
221	0.01599545	0.10646696
222	0.01794084	0.1244078
223	0.01995215	0.14435995
224	0.0220008	0.16636075
225	0.02405421	0.19041496
226	0.02607647	0.21649143
227	0.02802933	0.24452077
228	0.02987337	0.27439413
229	0.03156924	0.30596337
230	0.03307907	0.33904244
231	0.03436786	0.3734103
232	0.03540483	0.40881513
233	0.03616459	0.44497972
234	0.03662823	0.48160795
235	0.0367841	0.51839205
236	0.03662823	0.55502028
237	0.03616459	0.59118487
238	0.03540483	0.6265897
239	0.03436786	0.66095756
240	0.03307907	0.69403663
241	0.03156924	0.72560587
242	0.02987337	0.75547923
243	0.02802933	0.78350857
244	0.02607647	0.80958504
245	0.02405421	0.83363925
246	0.0220008	0.85564005
247	0.01995215	0.8755922
248	0.01794084	0.89353304
249	0.01599545	0.90952849
250	0.01413998	0.92366847
251	0.01239361	0.93606207
252	0.01077063	0.94683271
253	0.00928062	0.95611333

254	0.00792872	0.96404205
255	0.00671609	0.97075815
256	0.00564047	0.97639862
257	0.00469673	0.98109535
258	0.00387754	0.98497289
259	0.00317389	0.98814678
260	0.00257573	0.99072251
261	0.00207243	0.99279494
262	0.0016532	0.99444814
263	0.00130747	0.99575561
264	0.00102518	0.99678079
265	0.00079693	0.99757772
266	0.00061418	0.99819189
267	0.00046926	0.99866115
268	0.00035545	0.9990166
269	0.00026691	0.99928351
270	0.0001987	0.99948221
271	0.00014664	0.99962886
272	0.00010729	0.99973615
273	0.00007781	0.99981396
274	0.00005595	0.99986699
275	0.00003987	0.99990978
276	0.00002817	0.99993795
277	0.00001973	0.99995768
278	0.0000137	0.99997138
279	0.00000943	0.9999808
280	0.00000643	0.99998723
281	0.00000435	0.99999158
282	0.00000291	0.9999945
283	0.00000194	0.99999643
284	0.00000127	0.99999771
285	8.3e-7	0.99999854
286	5.4e-7	0.99999908
287	3.4e-7	0.99999942
288	2.2e-7	0.99999964
289	1.4e-7	0.99999978
290	9e-8	0.99999987
291	5e-8	0.99999992
292	3e-8	0.99999995
293	2e-8	0.99999997
294	1e-8	0.99999998
295	1e-8	0.99999999
296	0	0.99999999
297	0	1
...	...	...
470	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>

<b>p = 0.5</b>	<b>n = 470</b>
Erwartungswert: $\mu = 235$	
Standardabweichung: $\sigma = 10.84$	
1 $\sigma$ -Intervall: $p(225 \leq X \leq 245) = 0.6672785$	
2 $\sigma$ -Intervall: $p(214 \leq X \leq 256) = 0.95279724$	
3 $\sigma$ -Intervall: $p(203 \leq X \leq 267) = 0.9973223$	

<b>p = 0.5</b>		<b>n = 480</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
177	0	0
178	0	1e-8
179	1e-8	1e-8
180	1e-8	2e-8
181	2e-8	4e-8
182	3e-8	7e-8
183	4e-8	1.1e-7
184	7e-8	1.8e-7
185	1.1e-7	2.9e-7
186	1.8e-7	4.7e-7
187	2.8e-7	7.5e-7
188	4.4e-7	0.00000119
189	6.7e-7	0.00000186
190	0.00000103	0.00000289
191	0.00000157	0.00000446
192	0.00000236	0.00000682
193	0.00000352	0.00001033
194	0.0000052	0.00001554
195	0.00000763	0.00002317
196	0.0000111	0.00003427
197	0.000016	0.00005027
198	0.00002287	0.00007314
199	0.00003241	0.00010555
200	0.00004554	0.00015109
201	0.00006343	0.00021452
202	0.00008761	0.00030213
203	0.00011998	0.00042211
204	0.00016292	0.00058503
205	0.00021934	0.00080437
206	0.00029281	0.00109718
207	0.00038758	0.00148476
208	0.0005087	0.00199346

209	0.00066204	0.00265551
210	0.00085435	0.00350986
211	0.00109324	0.0046031
212	0.00138718	0.00599028
213	0.00174538	0.00773566
214	0.00217764	0.0099133
215	0.0026942	0.0126075
216	0.00330538	0.01591288
217	0.00402129	0.01993418
218	0.00485138	0.02478555
219	0.00580393	0.03058949
220	0.00688557	0.03747506
221	0.00810068	0.04557573
222	0.00945079	0.05502652
223	0.01093409	0.06596062
224	0.01254492	0.07850554
225	0.01427333	0.09277887
226	0.01610487	0.10888374
227	0.01802042	0.12690416
228	0.01999635	0.14690051
229	0.02200471	0.16890522
230	0.02401384	0.19291906
231	0.025989	0.21890807
232	0.02789337	0.24680144
233	0.02968908	0.27649052
234	0.03133848	0.30782899
235	0.03280538	0.34063438
236	0.03405644	0.37469081
237	0.03506232	0.40975313
238	0.03579892	0.44555206
239	0.03624828	0.48180034
240	0.03639932	0.51819966
241	0.03624828	0.55444794
242	0.03579892	0.59024687
243	0.03506232	0.62530919
244	0.03405644	0.65936562
245	0.03280538	0.69217101
246	0.03133848	0.72350948
247	0.02968908	0.75319856
248	0.02789337	0.78109193
249	0.025989	0.80708094
250	0.02401384	0.83109478
251	0.02200471	0.85309949
252	0.01999635	0.87309584
253	0.01802042	0.89111626
254	0.01610487	0.90722113
255	0.01427333	0.92149446

256	0.01254492	0.93403938
257	0.01093409	0.94497348
258	0.00945079	0.95442427
259	0.00810068	0.96252494
260	0.00688557	0.96941051
261	0.00580393	0.97521445
262	0.00485138	0.98006582
263	0.00402129	0.98408712
264	0.00330538	0.9873925
265	0.0026942	0.9900867
266	0.00217764	0.99226434
267	0.00174538	0.99400972
268	0.00138718	0.9953969
269	0.00109324	0.99649014
270	0.00085435	0.99734449
271	0.00066204	0.99800654
272	0.0005087	0.99851524
273	0.00038758	0.99890282
274	0.00029281	0.99919563
275	0.00021934	0.99941497
276	0.00016292	0.99957789
277	0.00011998	0.99969787
278	0.00008761	0.99978548
279	0.00006343	0.99984891
280	0.00004554	0.99989445
281	0.00003241	0.99992686
282	0.00002287	0.99994973
283	0.000016	0.99996573
284	0.0000111	0.99997683
285	0.00000763	0.99998446
286	0.0000052	0.99998967
287	0.00000352	0.99999318
288	0.00000236	0.99999554
289	0.00000157	0.99999711
290	0.00000103	0.99999814
291	6.7e-7	0.99999881
292	4.4e-7	0.99999925
293	2.8e-7	0.99999953
294	1.8e-7	0.99999971
295	1.1e-7	0.99999982
296	7e-8	0.99999989
297	4e-8	0.99999993
298	3e-8	0.99999996
299	2e-8	0.99999998
300	1e-8	0.99999999
301	1e-8	0.99999999
302	0	1

...	...	...
480	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 480</b>
Erwartungswert: $\mu = 240$		
Standardabweichung: $\sigma = 10.954$		
1σ-Intervall: $p(230 \leq X \leq 250) = 0.66218956$		
2σ-Intervall: $p(219 \leq X \leq 261) = 0.95042889$		
3σ-Intervall: $p(208 \leq X \leq 272) = 0.99703048$		

<b>p = 0.5</b>		<b>n = 490</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
181	0	0
182	0	1e-8
183	0	1e-8
184	1e-8	2e-8
185	1e-8	3e-8
186	2e-8	5e-8
187	4e-8	9e-8
188	6e-8	1.5e-7
189	9e-8	2.4e-7
190	1.4e-7	3.8e-7
191	2.3e-7	6.1e-7
192	3.5e-7	9.6e-7
193	5.5e-7	0.00000151
194	8.4e-7	0.00000234
195	0.00000127	0.00000361
196	0.00000191	0.00000552
197	0.00000285	0.00000837
198	0.00000421	0.00001258
199	0.00000618	0.00001876
200	0.000009	0.00002776
201	0.00001298	0.00004074
202	0.00001857	0.0000593
203	0.00002634	0.00008565
204	0.00003706	0.00012271
205	0.00005171	0.00017441
206	0.00007153	0.00024595
207	0.00009814	0.00034409
208	0.00013353	0.00047762
209	0.00018017	0.00065779



210	0.00024109	0.00089888
211	0.00031992	0.0012188
212	0.00042103	0.00163984
213	0.00054952	0.00218936
214	0.00071129	0.00290065
215	0.0009131	0.00381375
216	0.00116251	0.00497626
217	0.00146787	0.00644413
218	0.00183821	0.00828233
219	0.00228307	0.0105654
220	0.00281232	0.01337773
221	0.00343587	0.0168136
222	0.00416329	0.02097688
223	0.00500341	0.02598029
224	0.00596389	0.03194418
225	0.00705064	0.03899482
226	0.00826734	0.04726216
227	0.00961488	0.05687705
228	0.01109085	0.0679679
229	0.0126891	0.080657
230	0.01439937	0.09505636
231	0.01620708	0.11126344
232	0.01809325	0.12935669
233	0.02003458	0.14939128
234	0.0220038	0.17139507
235	0.02397009	0.19536516
236	0.02589989	0.22126505
237	0.02775769	0.24902274
238	0.02950712	0.27852986
239	0.03111211	0.30964197
240	0.03253808	0.34218005
241	0.0337532	0.37593325
242	0.03472953	0.41066277
243	0.03544413	0.4461069
244	0.03587992	0.48198682
245	0.03602636	0.51801318
246	0.03587992	0.5538931
247	0.03544413	0.58933723
248	0.03472953	0.62406675
249	0.0337532	0.65781995
250	0.03253808	0.69035803
251	0.03111211	0.72147014
252	0.02950712	0.75097726
253	0.02775769	0.77873495
254	0.02589989	0.80463484
255	0.02397009	0.82860493
256	0.0220038	0.85060872

257	0.02003458	0.87064331
258	0.01809325	0.88873656
259	0.01620708	0.90494364
260	0.01439937	0.919343
261	0.0126891	0.9320321
262	0.01109085	0.94312295
263	0.00961488	0.95273784
264	0.00826734	0.96100518
265	0.00705064	0.96805582
266	0.00596389	0.97401971
267	0.00500341	0.97902312
268	0.00416329	0.9831864
269	0.00343587	0.98662227
270	0.00281232	0.9894346
271	0.00228307	0.99171767
272	0.00183821	0.99355587
273	0.00146787	0.99502374
274	0.00116251	0.99618625
275	0.0009131	0.99709935
276	0.00071129	0.99781064
277	0.00054952	0.99836016
278	0.00042103	0.9987812
279	0.00031992	0.99910112
280	0.00024109	0.99934221
281	0.00018017	0.99952238
282	0.00013353	0.99965591
283	0.00009814	0.99975405
284	0.00007153	0.99982559
285	0.00005171	0.99987729
286	0.00003706	0.99991435
287	0.00002634	0.9999407
288	0.00001857	0.99995926
289	0.00001298	0.99997224
290	0.000009	0.99998124
291	0.00000618	0.99998742
292	0.00000421	0.99999163
293	0.00000285	0.99999448
294	0.00000191	0.99999639
295	0.00000127	0.99999766
296	8.4e-7	0.99999849
297	5.5e-7	0.99999904
298	3.5e-7	0.99999939
299	2.3e-7	0.99999962
300	1.4e-7	0.99999976
301	9e-8	0.99999985
302	6e-8	0.99999991
303	4e-8	0.99999995

304	2e-8	0.99999997
305	1e-8	0.99999998
306	1e-8	0.99999999
307	0	0.99999999
308	0	1
...	...	...
490	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
<b>p = 0.5</b>		<b>n = 490</b>
Erwartungswert: $\mu = 245$		
Standardabweichung: $\sigma = 11.068$		
1σ-Intervall: $p(234 \leq X \leq 256) = 0.70121745$		
2σ-Intervall: $p(223 \leq X \leq 267) = 0.95804623$		
3σ-Intervall: $p(212 \leq X \leq 278) = 0.99756239$		

<b>p = 0.5</b>		<b>n = 500</b>
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
0	0	0
...	...	...
185	0	0
186	0	1e-8
187	0	1e-8
188	1e-8	2e-8
189	1e-8	3e-8
190	2e-8	4e-8
191	3e-8	7e-8
192	5e-8	1.2e-7
193	7e-8	1.9e-7
194	1.2e-7	3.1e-7
195	1.8e-7	5e-7
196	2.9e-7	7.8e-7
197	4.4e-7	0.00000122
198	6.8e-7	0.0000019
199	0.00000103	0.00000293
200	0.00000154	0.00000447
201	0.0000023	0.00000677
202	0.00000341	0.00001019
203	0.00000501	0.00001519
204	0.00000729	0.00002249
205	0.00001053	0.00003301
206	0.00001508	0.00004809
207	0.00002141	0.0000695
208	0.00003016	0.00009967

209	0.00004214	0.00014181
210	0.0000584	0.00020021
211	0.00008026	0.00028047
212	0.00010941	0.00038988
213	0.00014794	0.00053782
214	0.00019841	0.00073623
215	0.00026393	0.00100015
216	0.00034823	0.00134839
217	0.00045575	0.00180414
218	0.00059164	0.00239579
219	0.00076184	0.00315763
220	0.00097308	0.00413071
221	0.00123286	0.00536357
222	0.00154941	0.00691298
223	0.00193155	0.00884453
224	0.00238857	0.0112331
225	0.00292998	0.01416308
226	0.00356524	0.01772832
227	0.00430342	0.02203173
228	0.00515277	0.02718451
229	0.00612033	0.03330483
230	0.00721134	0.04051617
231	0.00842884	0.04894501
232	0.00977309	0.05871811
233	0.01124116	0.06995926
234	0.01282645	0.08278571
235	0.01451845	0.09730415
236	0.01630249	0.11360665
237	0.01815974	0.13176638
238	0.02006727	0.15183366
239	0.02199843	0.17383209
240	0.0239233	0.19775539
241	0.02580937	0.22356475
242	0.02762242	0.25118717
243	0.02932751	0.28051468
244	0.03089004	0.31140472
245	0.03227694	0.34368165
246	0.0334578	0.37713946
247	0.034406	0.41154545
248	0.03509967	0.44664512
249	0.03552256	0.48216768
250	0.03566465	0.51783232
251	0.03552256	0.55335488
252	0.03509967	0.58845455
253	0.034406	0.62286054
254	0.0334578	0.65631835
255	0.03227694	0.68859528

256	0.03089004	0.71948532
257	0.02932751	0.74881283
258	0.02762242	0.77643525
259	0.02580937	0.80224461
260	0.0239233	0.82616791
261	0.02199843	0.84816634
262	0.02006727	0.86823362
263	0.01815974	0.88639335
264	0.01630249	0.90269585
265	0.01451845	0.91721429
266	0.01282645	0.93004074
267	0.01124116	0.94128189
268	0.00977309	0.95105499
269	0.00842884	0.95948383
270	0.00721134	0.96669517
271	0.00612033	0.97281549
272	0.00515277	0.97796827
273	0.00430342	0.98227168
274	0.00356524	0.98583692
275	0.00292998	0.9887669
276	0.00238857	0.99115547
277	0.00193155	0.99308702
278	0.00154941	0.99463643
279	0.00123286	0.99586929
280	0.00097308	0.99684237
281	0.00076184	0.99760421
282	0.00059164	0.99819586
283	0.00045575	0.99865161
284	0.00034823	0.99899985
285	0.00026393	0.99926377
286	0.00019841	0.99946218
287	0.00014794	0.99961012
288	0.00010941	0.99971953
289	0.00008026	0.99979979
290	0.0000584	0.99985819
291	0.00004214	0.99990033
292	0.00003016	0.9999305
293	0.00002141	0.99995191
294	0.00001508	0.99996699
295	0.00001053	0.99997751
296	0.00000729	0.99998481
297	0.00000501	0.99998981
298	0.00000341	0.99999323
299	0.0000023	0.99999553
300	0.00000154	0.99999707
301	0.00000103	0.9999981
302	6.8e-7	0.99999878

303	4.4e-7	0.99999922
304	2.9e-7	0.9999995
305	1.8e-7	0.99999969
306	1.2e-7	0.99999981
307	7e-8	0.99999988
308	5e-8	0.99999993
309	3e-8	0.99999996
310	2e-8	0.99999997
311	1e-8	0.99999998
312	1e-8	0.99999999
313	0	0.99999999
314	0	1
...	...	...
500	0	1
<b>k</b>	<b>p(X=k)</b>	<b>p(x≤k)</b>
	<b>p = 0.5</b>	<b>n = 500</b>
Erwartungswert: $\mu = 250$		
Standardabweichung: $\sigma = 11.18$		
1σ-Intervall: $p(239 \leq X \leq 261) = 0.69633269$		
2σ-Intervall: $p(228 \leq X \leq 272) = 0.95593653$		
3σ-Intervall: $p(217 \leq X \leq 283) = 0.99730322$		

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