

Mathematik > Wahrscheinlichkeitstafeln > Binomialverteilung

Wahrscheinlichkeitstafel: Binomialverteilung B(100, 0.2) bis B(500, 0.2) (Schrittweite 10)

100- bis 500-malig durchgeführtes Bernoulli-Experiment (T = Treffer, N = Nichttreffer) mit Trefferwahrscheinlichkeit $p = 0.2$, binomialverteilte Zufallsvariable X als Anzahl k des Auftretens von T mit $p(X=k)$, $p(X \leq k)$ (kumuliert), Erwartungswert μ , Standardabweichung σ , 1σ -, 2σ -, 3σ -Intervalle

p = 0.2		n = 100
k	p(X=k)	p(x≤k)
0	0	0
1	1e-8	1e-8
2	6e-8	7e-8
3	5.1e-7	5.8e-7
4	0.00000312	0.0000037
5	0.00001498	0.00001868
6	0.00005928	0.00007796
7	0.00019902	0.00027699
8	0.00057841	0.0008554
9	0.00147816	0.00233356
10	0.00336282	0.00569638
11	0.0068785	0.01257488
12	0.01275388	0.02532875
13	0.02158348	0.04691224
14	0.03353148	0.08044372
15	0.04806179	0.12850551
16	0.06383207	0.19233758
17	0.07885138	0.27118896
18	0.09089812	0.36208708
19	0.09807429	0.46016137
20	0.09930021	0.55946158
21	0.09457163	0.65403322
22	0.08489953	0.73893275
23	0.07198004	0.81091279
24	0.05773399	0.86864678
25	0.04387783	0.91252462
26	0.03164267	0.94416728
27	0.02168109	0.96584837
28	0.01413142	0.97997979
29	0.00877123	0.98875102
30	0.00518964	0.99394066
31	0.00292964	0.9968703
32	0.00157926	0.99844956
33	0.00081356	0.99926312
34	0.0004008	0.99966391
35	0.00018895	0.99985286
36	0.00008529	0.99993815
37	0.00003688	0.99997503

38	0.00001529	0.99999032
39	0.00000608	0.99999639
40	0.00000232	0.99999871
41	8.5e-7	0.99999956
42	3e-7	0.99999985
43	1e-7	0.99999995
44	3e-8	0.99999999
45	1e-8	1
46	0	1
...
100	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 100
Erwartungswert: $\mu = 20$		
Standardabweichung: $\sigma = 4$		
1σ-Intervall: $p(16 \leq X \leq 24) = 0.74014127$		
2σ-Intervall: $p(12 \leq X \leq 28) = 0.96740492$		
3σ-Intervall: $p(8 \leq X \leq 32) = 0.99817257$		

p = 0.2		n = 110
k	p(X=k)	p(x≤k)
0	0	0
1	0	0
2	1e-8	1e-8
3	7e-8	8e-8
4	4.9e-7	5.8e-7
5	0.00000261	0.00000319
6	0.00001144	0.00001463
7	0.00004248	0.00005711
8	0.00013674	0.00019385
9	0.00038743	0.00058127
10	0.00097825	0.00155952
11	0.00222329	0.00378282
12	0.00458554	0.00836836
13	0.00864199	0.01701035
14	0.01496916	0.03197951
15	0.02395065	0.05593016
16	0.03555175	0.0914819
17	0.04914506	0.14062697
18	0.06347904	0.204106
19	0.07684305	0.28094905
20	0.08740897	0.36835802
21	0.09365246	0.46201048

22	0.0947167	0.55672717
23	0.09059858	0.64732575
24	0.08210496	0.72943071
25	0.07061027	0.80004098
26	0.05771031	0.8577513
27	0.0448858	0.9026371
28	0.03326358	0.93590068
29	0.02351391	0.95941459
30	0.01587189	0.97528648
31	0.01023993	0.98552641
32	0.00631996	0.99184637
33	0.00373452	0.99558089
34	0.0021144	0.99769529
35	0.00114782	0.9988431
36	0.00059782	0.99944092
37	0.00029891	0.99973983
38	0.00014356	0.99988339
39	0.00006626	0.99994965
40	0.0000294	0.99997905
41	0.00001255	0.9999916
42	0.00000515	0.99999675
43	0.00000204	0.99999879
44	7.8e-7	0.99999956
45	2.8e-7	0.99999985
46	1e-7	0.99999995
47	3e-8	0.99999998
48	1e-8	0.99999999
49	0	1
...
110	0	1

k	p(X=k)	p(x≤k)
	p = 0.2	n = 110

Erwartungswert:
 $\mu = 22$

Standardabweichung:
 $\sigma = 4.195$

1σ-Intervall:
 $p(18 \leq X \leq 26) = 0.71712433$

2σ-Intervall:
 $p(14 \leq X \leq 30) = 0.95827614$

3σ-Intervall:
 $p(10 \leq X \leq 34) = 0.99711401$

	p = 0.2	n = 120
k	p(X=k)	p(x≤k)
0	0	0
...
2	0	0

3	1e-8	1e-8
4	8e-8	9e-8
5	4.4e-7	5.2e-7
6	0.00000209	0.00000262
7	0.00000853	0.00001115
8	0.00003011	0.00004126
9	0.00009368	0.00013494
10	0.00025996	0.0003949
11	0.00064991	0.00104481
12	0.00147583	0.00252064
13	0.00306519	0.00558583
14	0.0058567	0.01144253
15	0.01034684	0.02178937
16	0.01697528	0.03876466
17	0.0259622	0.06472686
18	0.03714037	0.10186723
19	0.04984629	0.15171351
20	0.06293094	0.21464445
21	0.07491778	0.28956223
22	0.0842825	0.37384473
23	0.08977919	0.46362392
24	0.09071439	0.55433831
25	0.08708581	0.64142412
26	0.07954954	0.72097366
27	0.06923756	0.79021122
28	0.0574919	0.84770313
29	0.04559703	0.89330015
30	0.03457775	0.9278779
31	0.02509675	0.95297465
32	0.01745008	0.97042474
33	0.01163339	0.98205813
34	0.00744195	0.98950007
35	0.00457148	0.99407156
36	0.00269844	0.99677
37	0.00153155	0.99830155
38	0.00083631	0.99913786
39	0.0004396	0.99957745
40	0.00022255	0.9998
41	0.00010856	0.99990856
42	0.00005105	0.99995961
43	0.00002315	0.99998276
44	0.00001013	0.99999289
45	0.00000428	0.99999716
46	0.00000174	0.99999891
47	6.9e-7	0.99999959
48	2.6e-7	0.99999985
49	1e-7	0.99999995

50	3e-8	0.99999998
51	1e-8	0.99999999
52	0	1
...
120	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 120
Erwartungswert: $\mu = 24$		
Standardabweichung: $\sigma = 4.382$		
1σ-Intervall: $p(20 \leq X \leq 28) = 0.69598961$		
2σ-Intervall: $p(16 \leq X \leq 32) = 0.94863536$		
3σ-Intervall: $p(11 \leq X \leq 37) = 0.99790665$		

p = 0.2		n = 130
k	p(X=k)	p(x≤k)
0	0	0
...
3	0	0
4	1e-8	1e-8
5	7e-8	8e-8
6	3.7e-7	4.5e-7
7	0.00000163	0.00000208
8	0.00000625	0.00000833
9	0.00002118	0.00002951
10	0.00006407	0.00009357
11	0.00017473	0.0002683
12	0.00043318	0.00070148
13	0.00098299	0.00168447
14	0.00205374	0.00373821
15	0.00397056	0.00770877
16	0.00713461	0.01484338
17	0.01196096	0.02680434
18	0.01877206	0.0455764
19	0.02766409	0.07324049
20	0.03838392	0.11162441
21	0.05026466	0.16188908
22	0.06225964	0.22414872
23	0.0730874	0.29723612
24	0.081462	0.37869812
25	0.08634972	0.46504784
26	0.08718001	0.55222785
27	0.08395112	0.63617897
28	0.07720505	0.71338401

29	0.0678872	0.78127121
30	0.05713839	0.8384096
31	0.04607935	0.88448894
32	0.03563949	0.92012844
33	0.02645962	0.94658806
34	0.01887194	0.96546
35	0.01294076	0.97840076
36	0.00853731	0.98693806
37	0.00542234	0.99236041
38	0.00331762	0.99567802
39	0.00195654	0.99763457
40	0.00111278	0.99874735
41	0.00061067	0.99935803
42	0.00032351	0.99968154
43	0.00016552	0.99984706
44	0.00008182	0.99992887
45	0.00003909	0.99996797
46	0.00001806	0.99998602
47	0.00000807	0.99999409
48	0.00000349	0.99999758
49	0.00000146	0.99999904
50	5.9e-7	0.99999963
51	2.3e-7	0.99999986
52	9e-8	0.99999995
53	3e-8	0.99999998
54	1e-8	0.99999999
55	0	1
...
130	0	1
k	p(X=k)	p(x≤k)
	p = 0.2	n = 130
Erwartungswert: $\mu = 26$		
Standardabweichung: $\sigma = 4.561$		
1 σ -Intervall: $p(22 \leq X \leq 30) = 0.67652052$		
2 σ -Intervall: $p(17 \leq X \leq 35) = 0.96355738$		
3 σ -Intervall: $p(13 \leq X \leq 39) = 0.99693309$		

	p = 0.2	n = 140
k	p(X=k)	p(x≤k)
0	0	0
...
4	0	0
5	1e-8	1e-8

6	6e-8	7e-8
7	3e-7	3.7e-7
8	0.00000123	0.00000161
9	0.00000452	0.00000613
10	0.00001481	0.00002094
11	0.00004377	0.00006471
12	0.00011762	0.00018233
13	0.00028953	0.00047186
14	0.00065662	0.00112848
15	0.0013789	0.00250738
16	0.00269316	0.00520055
17	0.00491106	0.01011161
18	0.00838974	0.01850135
19	0.01346773	0.03196908
20	0.02036995	0.05233903
21	0.02909992	0.08143895
22	0.03935103	0.12078998
23	0.05047198	0.17126196
24	0.06151272	0.23277468
25	0.07135476	0.30412943
26	0.07890189	0.38303133
27	0.08328533	0.46631666
28	0.08402895	0.55034561
29	0.0811314	0.63147701
30	0.07504655	0.70652356
31	0.06657355	0.7730971
32	0.05669154	0.82978864
33	0.04638399	0.87617263
34	0.03649328	0.91266591
35	0.02763063	0.94029654
36	0.02014733	0.96044387
37	0.01415759	0.97460146
38	0.00959363	0.98419508
39	0.00627276	0.99046784
40	0.00395968	0.99442752
41	0.00241444	0.99684195
42	0.00142279	0.99826475
43	0.00081066	0.99907541
44	0.00044678	0.99952219
45	0.00023829	0.99976048
46	0.00012303	0.99988351
47	0.00006151	0.99994502
48	0.0000298	0.99997482
49	0.00001399	0.9999888
50	0.00000636	0.99999517
51	0.00000281	0.99999797
52	0.0000012	0.99999918

53	5e-7	0.99999967
54	2e-7	0.99999987
55	8e-8	0.99999995
56	3e-8	0.99999998
57	1e-8	0.99999999
58	0	1
...
140	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 140
Erwartungswert: $\mu = 28$		
Standardabweichung: $\sigma = 4.733$		
1 σ -Intervall: $p(24 \leq X \leq 32) = 0.65852669$		
2 σ -Intervall: $p(19 \leq X \leq 37) = 0.95610011$		
3 σ -Intervall: $p(14 \leq X \leq 42) = 0.99779288$		

p = 0.2		n = 150
k	p(X=k)	p(x≤k)
0	0	0
...
5	0	0
6	1e-8	1e-8
7	5e-8	6e-8
8	2.3e-7	3e-7
9	9.2e-7	0.00000122
10	0.00000324	0.00000446
11	0.00001032	0.00001478
12	0.00002988	0.00004466
13	0.00007929	0.00012395
14	0.00019399	0.00031794
15	0.00043971	0.00075765
16	0.00092751	0.00168515
17	0.00182773	0.00351289
18	0.00337623	0.00688912
19	0.00586398	0.0127531
20	0.00960227	0.02235537
21	0.01486065	0.03721602
22	0.02178437	0.05900039
23	0.03030869	0.08930908
24	0.04009587	0.12940494
25	0.05052079	0.17992573
26	0.0607221	0.24064784
27	0.06971797	0.31036581

28	0.07656527	0.38693108
29	0.08052555	0.46745663
30	0.08119659	0.54865322
31	0.07857735	0.62723057
32	0.07305238	0.70028294
33	0.0653044	0.76558734
34	0.05618099	0.82176833
35	0.04654996	0.86831829
36	0.03717532	0.90549361
37	0.02863504	0.93412865
38	0.02128789	0.95541654
39	0.01528362	0.97070016
40	0.01060301	0.98130317
41	0.00711177	0.98841494
42	0.00461419	0.99302913
43	0.00289728	0.99592641
44	0.00176141	0.99768782
45	0.00103728	0.9987251
46	0.00059192	0.99931702
47	0.00032745	0.99964447
48	0.00017566	0.99982013
49	0.00009142	0.99991155
50	0.00004617	0.99995771
51	0.00002263	0.99998034
52	0.00001077	0.99999111
53	0.00000498	0.99999609
54	0.00000224	0.99999833
55	9.8e-7	0.9999993
56	4.1e-7	0.99999972
57	1.7e-7	0.99999989
58	7e-8	0.99999996
59	3e-8	0.99999998
60	1e-8	0.99999999
61	0	1
...
150	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 150
Erwartungswert: $\mu = 30$		
Standardabweichung: $\sigma = 4.899$		
1 σ -Intervall: $p(26 \leq X \leq 34) = 0.64184259$		
2 σ -Intervall: $p(21 \leq X \leq 39) = 0.94834479$		
3 σ -Intervall: $p(16 \leq X \leq 44) = 0.99693017$		

p = 0.2		n = 160
k	p(X=k)	p(x≤k)
0	0	0
...
6	0	0
7	1e-8	1e-8
8	4e-8	5e-8
9	1.8e-7	2.3e-7
10	6.8e-7	9.1e-7
11	0.00000231	0.00000322
12	0.00000716	0.00001038
13	0.00002039	0.00003077
14	0.00005353	0.0000843
15	0.00013025	0.00021455
16	0.00029509	0.00050964
17	0.0006249	0.00113454
18	0.00124113	0.00237567
19	0.00231895	0.00469461
20	0.00408714	0.00878176
21	0.0068119	0.01559366
22	0.01075971	0.02635337
23	0.01613957	0.04249294
24	0.02303251	0.06552544
25	0.03132421	0.09684965
26	0.04066123	0.13751088
27	0.05045005	0.18796093
28	0.05990943	0.24787036
29	0.0681728	0.31604316
30	0.07442197	0.39046514
31	0.07802304	0.46848818
32	0.07863259	0.54712077
33	0.07624979	0.62337056
34	0.07120385	0.6945744
35	0.06408346	0.75865786
36	0.055628	0.81428587
37	0.04660725	0.86089311
38	0.03771507	0.89860819
39	0.02949512	0.92810331
40	0.02230569	0.950409
41	0.01632123	0.96673023
42	0.01156087	0.9782911
43	0.0079313	0.9862224
44	0.00527251	0.99149491
45	0.00339784	0.99489275
46	0.00212365	0.9970164
47	0.00128775	0.99830415
48	0.00075789	0.99906204

49	0.00043308	0.99949512
50	0.00024036	0.99973548
51	0.00012961	0.99986509
52	0.00006792	0.999933
53	0.0000346	0.9999676
54	0.00001714	0.99998474
55	0.00000826	0.999993
56	0.00000387	0.99999687
57	0.00000177	0.99999864
58	7.8e-7	0.99999942
59	3.4e-7	0.99999976
60	1.4e-7	0.9999999
61	6e-8	0.99999996
62	2e-8	0.99999999
63	1e-8	0.99999999
64	0	1
...
160	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 160
Erwartungswert: $\mu = 32$		
Standardabweichung: $\sigma = 5.06$		
1σ-Intervall: $p(27 \leq X \leq 37) = 0.72338223$		
2σ-Intervall: $p(22 \leq X \leq 42) = 0.96269744$		
3σ-Intervall: $p(17 \leq X \leq 47) = 0.99779451$		

p = 0.2		n = 170
k	p(X=k)	p(x≤k)
0	0	0
...
7	0	0
8	1e-8	1e-8
9	3e-8	4e-8
10	1.4e-7	1.8e-7
11	4.9e-7	6.7e-7
12	0.00000163	0.0000023
13	0.00000496	0.00000727
14	0.00001391	0.00002118
15	0.00003618	0.00005736
16	0.00008761	0.00014497
17	0.00019842	0.00034339
18	0.00042164	0.00076504
19	0.00084329	0.00160832

20	0.0015917	0.00320002
21	0.00284233	0.00604235
22	0.00481257	0.01085493
23	0.00774197	0.01859689
24	0.01185489	0.03045178
25	0.01730814	0.04775992
26	0.02413154	0.07189146
27	0.03217538	0.10406684
28	0.04108107	0.14514791
29	0.0502889	0.19543681
30	0.05908945	0.25452627
31	0.0667139	0.32124017
32	0.07244713	0.39368729
33	0.07574018	0.46942747
34	0.07629709	0.54572456
35	0.07411717	0.61984173
36	0.06948485	0.68932658
37	0.06291196	0.75223854
38	0.05504796	0.8072865
39	0.04657905	0.85386555
40	0.03813659	0.89200215
41	0.03023023	0.92223237
42	0.0232125	0.94544487
43	0.01727442	0.96271928
44	0.01246506	0.97518435
45	0.00872554	0.98390989
46	0.00592768	0.98983757
47	0.00390975	0.99374731
48	0.00250468	0.99625199
49	0.00155904	0.99781103
50	0.00094322	0.99875425
51	0.00055483	0.99930908
52	0.00031743	0.99962651
53	0.00017668	0.99980319
54	0.0000957	0.99989889
55	0.00005046	0.99994935
56	0.00002591	0.99997526
57	0.00001295	0.99998821
58	0.00000631	0.99999452
59	0.00000299	0.99999752
60	0.00000138	0.9999989
61	6.2e-7	0.99999953
62	2.7e-7	0.9999998
63	1.2e-7	0.99999992
64	5e-8	0.99999997
65	2e-8	0.99999999
66	1e-8	1

67	0	1
...
170	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 170
Erwartungswert: $\mu = 34$		
Standardabweichung: $\sigma = 5.215$		
1 σ -Intervall: $p(29 \leq X \leq 39) = 0.70871764$		
2 σ -Intervall: $p(24 \leq X \leq 44) = 0.95658745$		
3 σ -Intervall: $p(19 \leq X \leq 49) = 0.99704599$		

p = 0.2		n = 180
k	p(X=k)	p(x≤k)
0	0	0
...
8	0	0
9	1e-8	1e-8
10	3e-8	3e-8
11	1e-7	1.4e-7
12	3.6e-7	4.9e-7
13	0.00000115	0.00000164
14	0.00000343	0.00000507
15	0.00000949	0.00001457
16	0.00002448	0.00003904
17	0.00005903	0.00009808
18	0.00013364	0.00023172
19	0.00028487	0.0005166
20	0.00057331	0.0010899
21	0.00109202	0.00218192
22	0.00197307	0.004155
23	0.00338854	0.00754354
24	0.00554168	0.01308521
25	0.00864502	0.02173023
26	0.0128844	0.03461463
27	0.0183722	0.05298683
28	0.02509774	0.07808457
29	0.03288669	0.11097126
30	0.04138242	0.15235367
31	0.05005938	0.20241305
32	0.05827224	0.26068529
33	0.06533554	0.32602084
34	0.07062004	0.39664087
35	0.07364661	0.47028748

36	0.07415804	0.54444553
37	0.07215377	0.6165993
38	0.06788151	0.68448081
39	0.06178958	0.74627039
40	0.05445207	0.80072246
41	0.04648347	0.84720593
42	0.03845954	0.88566547
43	0.03085707	0.91652254
44	0.02401943	0.94054197
45	0.01814801	0.95868998
46	0.01331512	0.9720051
47	0.00949056	0.98149566
48	0.00657419	0.98806985
49	0.00442752	0.99249737
50	0.00290002	0.99539739
51	0.00184805	0.99724544
52	0.00114615	0.99839159
53	0.00069201	0.99908361
54	0.00040688	0.99949048
55	0.00023303	0.99972352
56	0.00013004	0.99985355
57	0.00007072	0.99992428
58	0.0000375	0.99996177
59	0.00001938	0.99998116
60	0.00000977	0.99999093
61	0.00000481	0.99999574
62	0.00000231	0.99999804
63	0.00000108	0.99999912
64	4.9e-7	0.99999961
65	2.2e-7	0.99999984
66	1e-7	0.99999993
67	4e-8	0.99999997
68	2e-8	0.99999999
69	1e-8	1
70	0	1
...
180	0	1
k	p(X=k)	p(x≤k)
	p = 0.2	n = 180
Erwartungswert: $\mu = 36$		
Standardabweichung: $\sigma = 5.367$		
1 σ -Intervall: $p(31 \leq X \leq 41) = 0.69485226$		
2 σ -Intervall: $p(26 \leq X \leq 46) = 0.95027486$		
3 σ -Intervall: $p(20 \leq X \leq 52) = 0.997875$		

p = 0.2		n = 190
k	p(X=k)	p(x≤k)
0	0	0
...
9	0	0
10	0	1e-8
11	2e-8	3e-8
12	7e-8	1e-7
13	2.6e-7	3.6e-7
14	8.1e-7	0.00000116
15	0.00000237	0.00000353
16	0.00000648	0.00001001
17	0.00001658	0.00002659
18	0.00003983	0.00006643
19	0.00009015	0.00015658
20	0.0001927	0.00034928
21	0.00038999	0.00073926
22	0.00074895	0.00148822
23	0.00136765	0.00285587
24	0.00237915	0.00523502
25	0.00394938	0.0091844
26	0.00626585	0.01545025
27	0.00951481	0.02496506
28	0.01384745	0.03881251
29	0.01933867	0.05815118
30	0.02594605	0.08409723
31	0.03347878	0.11757601
32	0.04158692	0.15916293
33	0.04977828	0.20894121
34	0.05746464	0.26640585
35	0.06403202	0.33043787
36	0.06892336	0.39936123
37	0.07171755	0.47107878
38	0.07218937	0.54326815
39	0.07033836	0.61360652
40	0.06638183	0.67998835
41	0.06071509	0.74070344
42	0.0538485	0.79455194
43	0.04633476	0.8408867
44	0.03870005	0.87958675
45	0.03139004	0.9109768
46	0.02473672	0.93571351
47	0.01894727	0.95466079
48	0.01411177	0.96877256
49	0.01022383	0.97899639
50	0.0072078	0.9862042
51	0.00494653	0.99115073

52	0.00330561	0.99445634
53	0.00215177	0.99660811
54	0.00136478	0.99797289
55	0.00084368	0.99881657
56	0.00050847	0.99932504
57	0.00029884	0.99962388
58	0.00017132	0.9997952
59	0.00009582	0.99989102
60	0.0000523	0.99994332
61	0.00002787	0.99997118
62	0.00001449	0.99998568
63	0.00000736	0.99999304
64	0.00000365	0.99999669
65	0.00000177	0.99999846
66	8.4e-7	0.9999993
67	3.9e-7	0.99999969
68	1.8e-7	0.99999987
69	8e-8	0.99999994
70	3e-8	0.99999998
71	1e-8	0.99999999
72	1e-8	1
73	0	1
...
190	0	1
k	p(X=k)	p(x≤k)
	p = 0.2	n = 190
Erwartungswert: $\mu = 38$		
Standardabweichung: $\sigma = 5.514$		
1 σ -Intervall: $p(33 \leq X \leq 43) = 0.68172377$		
2 σ -Intervall: $p(27 \leq X \leq 49) = 0.96354614$		
3 σ -Intervall: $p(22 \leq X \leq 54) = 0.99723363$		

	p = 0.2	n = 200
k	p(X=k)	p(x≤k)
0	0	0
...
11	0	0
12	2e-8	2e-8
13	5e-8	7e-8
14	1.8e-7	2.6e-7
15	5.7e-7	8.2e-7
16	0.00000163	0.00000246
17	0.00000442	0.00000688

18	0.00001124	0.00001812
19	0.00002692	0.00004503
20	0.0000609	0.00010593
21	0.00013049	0.00023642
22	0.00026543	0.00050185
23	0.00051355	0.00101541
24	0.00094686	0.00196227
25	0.00166648	0.00362875
26	0.00280418	0.00643293
27	0.00451784	0.01095077
28	0.00697845	0.01792922
29	0.01034736	0.02827657
30	0.01474498	0.04302156
31	0.02021489	0.06323645
32	0.02668998	0.08992643
33	0.03396906	0.12389549
34	0.04171201	0.1656075
35	0.04945853	0.21506602
36	0.05667123	0.27173725
37	0.06279785	0.3345351
38	0.06734243	0.40187753
39	0.06993252	0.47181005
40	0.0703696	0.54217965
41	0.06865327	0.61083291
42	0.06497541	0.67580833
43	0.05968672	0.73549504
44	0.05324326	0.78873831
45	0.04614416	0.83488247
46	0.03887144	0.87375391
47	0.0318415	0.90559541
48	0.0253737	0.93096911
49	0.01967756	0.95064667
50	0.01485656	0.96550323
51	0.01092394	0.97642716
52	0.00782532	0.98425249
53	0.00546296	0.98971545
54	0.00371785	0.9934333
55	0.0024673	0.99590059
56	0.00159714	0.99749773
57	0.00100872	0.99850645
58	0.00062175	0.9991282
59	0.00037411	0.99950231
60	0.00021979	0.99972209
61	0.00012611	0.9998482
62	0.00007068	0.99991888
63	0.00003871	0.99995759
64	0.00002071	0.9999783

65	0.00001083	0.99998914
66	0.00000554	0.99999468
67	0.00000277	0.99999745
68	0.00000135	0.9999988
69	6.5e-7	0.99999945
70	3e-7	0.99999975
71	1.4e-7	0.99999989
72	6e-8	0.99999995
73	3e-8	0.99999998
74	1e-8	0.99999999
75	0	1
...
200	0	1
k	p(X=k)	p(x≤k)
	p = 0.2	n = 200
Erwartungswert: $\mu = 40$		
Standardabweichung: $\sigma = 5.657$		
1σ-Intervall: $p(35 \leq X \leq 45) = 0.66927497$		
2σ-Intervall: $p(29 \leq X \leq 51) = 0.95849794$		
3σ-Intervall: $p(24 \leq X \leq 56) = 0.99648232$		

p = 0.2		n = 210
k	p(X=k)	p(x≤k)
0	0	0
...
12	0	0
13	1e-8	2e-8
14	4e-8	5e-8
15	1.3e-7	1.8e-7
16	3.9e-7	5.8e-7
17	0.00000113	0.00000171
18	0.00000302	0.00000472
19	0.00000763	0.00001235
20	0.00001821	0.00003056
21	0.00004119	0.00007174
22	0.00008845	0.0001602
23	0.00018075	0.00034095
24	0.00035209	0.00069305
25	0.0006549	0.00134794
26	0.00116496	0.0025129
27	0.00198475	0.00449765
28	0.00324293	0.00774058
29	0.00508805	0.01282863

30	0.00767447	0.0205031
31	0.01114037	0.03164347
32	0.01557911	0.04722258
33	0.02100819	0.06823076
34	0.02734154	0.0955723
35	0.03437222	0.12994452
36	0.0417718	0.17171632
37	0.04911008	0.2208264
38	0.05589503	0.27672143
39	0.06162785	0.33834929
40	0.06586477	0.40421405
41	0.06827445	0.47248851
42	0.06868085	0.54116936
43	0.06708362	0.60825298
44	0.06365321	0.67190619
45	0.0587024	0.73060859
46	0.05264074	0.78324934
47	0.04592065	0.82916998
48	0.03898472	0.8681547
49	0.03222206	0.90037676
50	0.02593876	0.92631552
51	0.02034413	0.94665965
52	0.01555152	0.96221116
53	0.01159028	0.97380145
54	0.00842442	0.98222587
55	0.00597368	0.98819954
56	0.00413357	0.99233312
57	0.00279197	0.99512509
58	0.00184126	0.99696635
59	0.0011859	0.99815225
60	0.00074613	0.99889837
61	0.00045868	0.99935706
62	0.00027558	0.99963264
63	0.00016185	0.99979448
64	0.00009294	0.99988742
65	0.00005219	0.99993961
66	0.00002866	0.99996827
67	0.0000154	0.99998367
68	0.0000081	0.99999177
69	0.00000417	0.99999594
70	0.0000021	0.99999803
71	0.00000103	0.99999907
72	5e-7	0.99999957
73	2.4e-7	0.9999998
74	1.1e-7	0.99999991
75	5e-8	0.99999996
76	2e-8	0.99999998

77	1e-8	0.99999999
78	0	1
...
210	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 210
Erwartungswert: $\mu = 42$		
Standardabweichung: $\sigma = 5.797$		
1σ-Intervall: $p(37 \leq X \leq 47) = 0.65745366$		
2σ-Intervall: $p(31 \leq X \leq 53) = 0.95329834$		
3σ-Intervall: $p(25 \leq X \leq 59) = 0.9974592$		

p = 0.2		n = 220
k	p(X=k)	p(x≤k)
0	0	0
...
13	0	0
14	1e-8	1e-8
15	3e-8	4e-8
16	9e-8	1.3e-7
17	2.8e-7	4.1e-7
18	7.8e-7	0.00000118
19	0.00000206	0.00000324
20	0.00000518	0.00000842
21	0.00001233	0.00002075
22	0.00002789	0.00004864
23	0.00006001	0.00010865
24	0.00012315	0.00023181
25	0.00024138	0.00047319
26	0.00045259	0.00092578
27	0.00081298	0.00173876
28	0.00140095	0.00313971
29	0.00231881	0.00545852
30	0.00369077	0.00914929
31	0.00565521	0.0148045
32	0.00835028	0.02315478
33	0.01189282	0.03504759
34	0.01635262	0.05140021
35	0.02172563	0.07312584
36	0.0279114	0.10103724
37	0.03470065	0.13573789
38	0.04177776	0.17751565
39	0.04874072	0.22625637

40	0.05513794	0.28139431
41	0.06051725	0.34191156
42	0.06447969	0.40639125
43	0.06672898	0.47312023
44	0.06710812	0.54022835
45	0.06561683	0.60584519
46	0.06240731	0.6682525
47	0.05775996	0.72601246
48	0.05204413	0.77805659
49	0.04567138	0.82372797
50	0.03904903	0.862777
51	0.03254086	0.89531786
52	0.02643945	0.9217573
53	0.02095201	0.94270932
54	0.01619901	0.95890833
55	0.01222289	0.97113122
56	0.00900347	0.98013469
57	0.00647618	0.98661087
58	0.00455007	0.99116094
59	0.00312336	0.9942843
60	0.00209525	0.99637955
61	0.00137394	0.99775348
62	0.00088087	0.99863435
63	0.00055229	0.99918665
64	0.00033871	0.99952536
65	0.00020323	0.99972858
66	0.00011932	0.9998479
67	0.00006856	0.99991646
68	0.00003857	0.99995503
69	0.00002124	0.99997627
70	0.00001145	0.99998772
71	0.00000605	0.99999377
72	0.00000313	0.9999969
73	0.00000159	0.99999849
74	7.9e-7	0.99999928
75	3.8e-7	0.99999966
76	1.8e-7	0.99999984
77	9e-8	0.99999993
78	4e-8	0.99999997
79	2e-8	0.99999999
80	1e-8	0.99999999
81	0	1
...
220	0	1
k	p(X=k)	p(x≤k)
	p = 0.2	n = 220
Erwartungswert: $\mu = 44$		

Standardabweichung: $\sigma = 5.933$
1 σ -Intervall: $p(39 \leq X \leq 49) = 0.64621232$
2 σ -Intervall: $p(33 \leq X \leq 55) = 0.94797644$
3 σ -Intervall: $p(27 \leq X \leq 61) = 0.99682771$

p = 0.2		n = 230
k	p(X=k)	p(x≤k)
0	0	0
...
14	0	0
15	1e-8	1e-8
16	2e-8	3e-8
17	6e-8	9e-8
18	1.9e-7	2.8e-7
19	5.3e-7	8.2e-7
20	0.00000141	0.00000223
21	0.00000352	0.00000575
22	0.00000836	0.00001411
23	0.0000189	0.00003301
24	0.00004075	0.00007376
25	0.00008395	0.00015771
26	0.00016548	0.00032318
27	0.00031257	0.00063575
28	0.00056653	0.00120228
29	0.00098654	0.00218883
30	0.00165246	0.00384129
31	0.00266526	0.00650655
32	0.00414365	0.01065019
33	0.00621547	0.01686566
34	0.00900329	0.02586895
35	0.0126046	0.03847356
36	0.01706874	0.05554229
37	0.02237388	0.07791617
38	0.02840894	0.10632512
39	0.03496485	0.14128997
40	0.04173929	0.18302927
41	0.0483565	0.23138577
42	0.05440106	0.28578683
43	0.05946163	0.34524846
44	0.06317798	0.40842643
45	0.06528391	0.47371034
46	0.06563871	0.53934906
47	0.06424215	0.6035912
48	0.0612308	0.664822

49	0.05685717	0.72167917
50	0.05145574	0.7731349
51	0.04540212	0.81853702
52	0.03907202	0.85760904
53	0.03280575	0.89041479
54	0.02688249	0.91729728
55	0.02150599	0.93880327
56	0.01680156	0.95560483
57	0.01282224	0.96842707
58	0.00956141	0.97798848
59	0.00696849	0.98495696
60	0.00496505	0.98992201
61	0.00345925	0.99338127
62	0.00235731	0.99573858
63	0.00157154	0.99731012
64	0.00102519	0.99833531
65	0.00065454	0.99898985
66	0.00040909	0.99939894
67	0.00025034	0.99964928
68	0.00015002	0.9997993
69	0.00008805	0.99988735
70	0.00005063	0.99993798
71	0.00002852	0.99996651
72	0.00001575	0.99998225
73	0.00000852	0.99999077
74	0.00000452	0.99999529
75	0.00000235	0.99999764
76	0.0000012	0.99999884
77	6e-7	0.99999944
78	2.9e-7	0.99999974
79	1.4e-7	0.99999988
80	7e-8	0.99999994
81	3e-8	0.99999997
82	1e-8	0.99999999
83	1e-8	1
84	0	1
...
230	0	1
k	p(X=k)	p(x≤k)
	p = 0.2	n = 230
Erwartungswert: $\mu = 46$		
Standardabweichung: $\sigma = 6.066$		
1σ-Intervall: $p(40 \leq X \leq 52) = 0.71631907$		
2σ-Intervall: $p(34 \leq X \leq 58) = 0.96112282$		

3 σ -Intervall:
 $p(28 \leq X \leq 64) = 0.99769956$

p = 0.2		n = 240
k	p(X=k)	p(x≤k)
0	0	0
...
15	0	0
16	0	1e-8
17	1e-8	2e-8
18	5e-8	7e-8
19	1.3e-7	2e-7
20	3.7e-7	5.7e-7
21	9.6e-7	0.00000153
22	0.00000239	0.00000392
23	0.00000567	0.00000959
24	0.00001282	0.00002242
25	0.00002769	0.00005011
26	0.00005725	0.00010736
27	0.00011344	0.00022081
28	0.00021575	0.00043655
29	0.0003943	0.00083085
30	0.0006933	0.00152415
31	0.00117414	0.00269829
32	0.00191715	0.00461545
33	0.00302097	0.00763642
34	0.00459809	0.01223451
35	0.00676577	0.01900028
36	0.00963182	0.0286321
37	0.0132763	0.0419084
38	0.01773084	0.05963924
39	0.02295917	0.08259841
40	0.02884245	0.11144087
41	0.03517373	0.14661459
42	0.04166412	0.18827871
43	0.04796218	0.23624089
44	0.05368494	0.28992583
45	0.05845693	0.34838276
46	0.06195164	0.4103344
47	0.06392882	0.47426322
48	0.06426178	0.53852501
49	0.06295032	0.60147533
50	0.06011756	0.66159288
51	0.05599184	0.71758472
52	0.0508772	0.76846192
53	0.04511752	0.81357944
54	0.03906007	0.85263952

55	0.03302352	0.88566303
56	0.02727389	0.91293692
57	0.0220105	0.93494742
58	0.01736173	0.95230916
59	0.01338913	0.96569829
60	0.01009764	0.97579593
61	0.00744908	0.98324501
62	0.00537655	0.98862156
63	0.00379772	0.99241929
64	0.00262577	0.99504506
65	0.00177744	0.9968225
66	0.00117823	0.99800073
67	0.00076497	0.9987657
68	0.00048654	0.99925224
69	0.00030321	0.99955545
70	0.00018517	0.99974062
71	0.00011084	0.99985147
72	0.00006504	0.99991651
73	0.00003742	0.99995393
74	0.00002111	0.99997505
75	0.00001168	0.99998673
76	0.00000634	0.99999307
77	0.00000338	0.99999645
78	0.00000176	0.99999821
79	9e-7	0.99999912
80	4.5e-7	0.99999957
81	2.2e-7	0.9999998
82	1.1e-7	0.9999999
83	5e-8	0.99999996
84	2e-8	0.99999998
85	1e-8	0.99999999
86	1e-8	1
87	0	1
...
240	0	1
k	p(X=k)	p(x≤k)
	p = 0.2	n = 240
Erwartungswert: $\mu = 48$		
Standardabweichung: $\sigma = 6.197$		
1σ-Intervall: $p(42 \leq X \leq 54) = 0.70602492$		
2σ-Intervall: $p(36 \leq X \leq 60) = 0.95679565$		
3σ-Intervall: $p(30 \leq X \leq 66) = 0.99716988$		

p = 0.2		n = 250
k	p(X=k)	p(x≤k)
0	0	0
...
17	0	0
18	1e-8	1e-8
19	3e-8	5e-8
20	9e-8	1.4e-7
21	2.5e-7	3.9e-7
22	6.6e-7	0.00000105
23	0.00000163	0.00000268
24	0.00000385	0.00000653
25	0.00000871	0.00001524
26	0.00001883	0.00003407
27	0.00003906	0.00007313
28	0.00007778	0.00015091
29	0.00014885	0.00029976
30	0.00027413	0.00057388
31	0.00048636	0.00106024
32	0.00083213	0.00189237
33	0.00137427	0.00326663
34	0.00219277	0.0054594
35	0.00338312	0.00884253
36	0.00505119	0.01389372
37	0.00730375	0.02119747
38	0.01023486	0.03143234
39	0.01390892	0.04534125
40	0.01834239	0.06368364
41	0.0234872	0.08717084
42	0.0292192	0.11639003
43	0.03533484	0.15172488
44	0.04155859	0.19328347
45	0.0475615	0.24084497
46	0.05298971	0.29383468
47	0.05749948	0.35133416
48	0.06079372	0.41212788
49	0.06265475	0.47478263
50	0.06296802	0.53775065
51	0.06173336	0.59948401
52	0.0590622	0.65854621
53	0.05516187	0.71370808
54	0.05030967	0.76401774
55	0.04482134	0.80883908
56	0.03901858	0.84785766
57	0.03320002	0.88105768
58	0.02761898	0.90867666
59	0.02246968	0.93114633

60	0.01788212	0.94902845
61	0.0139246	0.96295305
62	0.01061189	0.97356495
63	0.00791681	0.98148176
64	0.00578298	0.98726474
65	0.00413706	0.9914018
66	0.00289907	0.99430087
67	0.00199041	0.99629128
68	0.00133914	0.99763041
69	0.00088305	0.99851347
70	0.00057083	0.9990843
71	0.00036179	0.99944609
72	0.00022487	0.99967096
73	0.00013708	0.99980803
74	0.00008197	0.99989
75	0.00004809	0.99993809
76	0.00002768	0.99996577
77	0.00001564	0.99998141
78	0.00000867	0.99999008
79	0.00000472	0.9999948
80	0.00000252	0.99999732
81	0.00000132	0.99999864
82	6.8e-7	0.99999932
83	3.5e-7	0.99999967
84	1.7e-7	0.99999984
85	8e-8	0.99999993
86	4e-8	0.99999997
87	2e-8	0.99999998
88	1e-8	0.99999999
89	0	1
...
250	0	1

k	p(X=k)	p(x≤k)
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p = 0.2	n = 250
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Erwartungswert:
 $\mu = 50$

Standardabweichung:
 $\sigma = 6.325$

1 σ -Intervall:
 $p(44 \leq X \leq 56) = 0.69613278$

2 σ -Intervall:
 $p(38 \leq X \leq 62) = 0.95236748$

3 σ -Intervall:
 $p(32 \leq X \leq 68) = 0.99657017$

p = 0.2	n = 260
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k	p(X=k)	p(x≤k)
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0	0	0
---	---	---

...
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18	0	0
19	1e-8	1e-8
20	2e-8	3e-8
21	6e-8	1e-7
22	1.7e-7	2.7e-7
23	4.5e-7	7.2e-7
24	0.00000111	0.00000183
25	0.00000262	0.00000445
26	0.00000592	0.00001036
27	0.00001282	0.00002318
28	0.00002666	0.00004984
29	0.00005333	0.00010317
30	0.00010265	0.00020582
31	0.00019041	0.00039623
32	0.00034065	0.00073688
33	0.00058839	0.00132527
34	0.0009821	0.00230737
35	0.00158539	0.00389276
36	0.00247717	0.00636992
37	0.00374922	0.01011915
38	0.00550051	0.01561965
39	0.00782764	0.0234473
40	0.01081193	0.03425923
41	0.01450381	0.04876304
42	0.01890676	0.0676698
43	0.02396321	0.09163301
44	0.02954555	0.12117856
45	0.03545466	0.15663322
46	0.041428	0.19806123
47	0.04715741	0.24521863
48	0.05231525	0.29753388
49	0.05658588	0.35411977
50	0.05969811	0.41381787
51	0.06145393	0.4752718
52	0.06174938	0.53702119
53	0.0605843	0.59760549
54	0.05805995	0.65566544
55	0.05436523	0.71003067
56	0.04975389	0.75978457
57	0.04451664	0.80430121
58	0.03895206	0.84325327
59	0.03334032	0.87659359
60	0.02792252	0.90451611
61	0.02288731	0.92740343
62	0.01836522	0.94576865
63	0.01442982	0.96019847
64	0.0111042	0.97130266

65	0.00837086	0.97967352
66	0.00618302	0.98585654
67	0.00447577	0.9903323
68	0.00317582	0.99350812
69	0.00220927	0.99571739
70	0.00150703	0.99722442
71	0.00100823	0.99823265
72	0.00066165	0.9988943
73	0.00042599	0.99932029
74	0.00026912	0.99958942
75	0.00016686	0.99975628
76	0.00010154	0.99985782
77	0.00006066	0.99991848
78	0.00003558	0.99995406
79	0.00002049	0.99997455
80	0.00001159	0.99998614
81	0.00000644	0.99999258
82	0.00000351	0.99999609
83	0.00000188	0.99999798
84	9.9e-7	0.99999897
85	5.1e-7	0.99999949
86	2.6e-7	0.99999975
87	1.3e-7	0.99999988
88	6e-8	0.99999994
89	3e-8	0.99999997
90	1e-8	0.99999999
91	1e-8	0.99999999
92	0	1
...
260	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 260

Erwartungswert:
 $\mu = 52$

Standardabweichung:
 $\sigma = 6.45$

1 σ -Intervall:
 $p(46 \leq X \leq 58) = 0.68662005$

2 σ -Intervall:
 $p(40 \leq X \leq 64) = 0.94785537$

3 σ -Intervall:
 $p(33 \leq X \leq 71) = 0.99749577$

p = 0.2		n = 270
k	p(X=k)	p(x≤k)
0	0	0
...
19	0	0
20	1e-8	1e-8

21	2e-8	2e-8
22	4e-8	7e-8
23	1.2e-7	1.9e-7
24	3.1e-7	4.9e-7
25	7.6e-7	0.00000125
26	0.00000178	0.00000303
27	0.00000402	0.00000705
28	0.00000873	0.00001578
29	0.00001821	0.00003399
30	0.00003657	0.00007055
31	0.00007077	0.00014133
32	0.00013215	0.00027347
33	0.00023827	0.00051174
34	0.00041521	0.00092695
35	0.00069993	0.00162688
36	0.00114225	0.00276913
37	0.00180598	0.00457511
38	0.00276838	0.00734349
39	0.00411708	0.01146057
40	0.00594403	0.0174046
41	0.00833614	0.02574074
42	0.01136296	0.0371037
43	0.01506252	0.05216622
44	0.01942723	0.07159346
45	0.02439197	0.09598543
46	0.02982714	0.12581257
47	0.03553872	0.16135129
48	0.04127674	0.20262803
49	0.04675223	0.24938025
50	0.05166121	0.30104146
51	0.05571307	0.35675453
52	0.05865943	0.41541397
53	0.06031961	0.47573357
54	0.06059886	0.53633244
55	0.05949707	0.5958295
56	0.05710656	0.65293606
57	0.05360002	0.70653608
58	0.04921036	0.75574644
59	0.04420592	0.79995235
60	0.03886437	0.83881672
61	0.03344884	0.87226556
62	0.02818874	0.9004543
63	0.0232669	0.9237212
64	0.01881347	0.94253467
65	0.01490606	0.95744073
66	0.01157478	0.9690155
67	0.00881065	0.97782616

68	0.0065756	0.98440175
69	0.00481257	0.98921433
70	0.00345474	0.99266907
71	0.00243292	0.99510198
72	0.00168108	0.99678306
73	0.00113991	0.99792297
74	0.00075866	0.99868163
75	0.00049565	0.99917728
76	0.00031794	0.99949522
77	0.00020026	0.99969548
78	0.00012388	0.99981935
79	0.00007527	0.99989462
80	0.00004493	0.99993955
81	0.00002635	0.99996589
82	0.00001518	0.99998107
83	0.0000086	0.99998967
84	0.00000478	0.99999445
85	0.00000262	0.99999707
86	0.00000141	0.99999848
87	7.4e-7	0.99999922
88	3.9e-7	0.99999961
89	2e-7	0.99999981
90	1e-7	0.99999991
91	5e-8	0.99999995
92	2e-8	0.99999998
93	1e-8	0.99999999
94	1e-8	1
95	0	1
...
270	0	1

k	p(X=k)	p(x≤k)
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p = 0.2	n = 270
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Erwartungswert:
 $\mu = 54$

Standardabweichung:
 $\sigma = 6.573$

1σ-Intervall:
 $p(48 \leq X \leq 60) = 0.67746544$

2σ-Intervall:
 $p(41 \leq X \leq 67) = 0.96042156$

3σ-Intervall:
 $p(35 \leq X \leq 73) = 0.99699602$

p = 0.2	n = 280
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k	p(X=k)	p(x≤k)
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0	0	0
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...
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20	0	0
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21	0	1e-8
22	1e-8	2e-8
23	3e-8	5e-8
24	8e-8	1.3e-7
25	2.1e-7	3.4e-7
26	5.2e-7	8.5e-7
27	0.00000121	0.00000207
28	0.00000274	0.0000048
29	0.00000595	0.00001075
30	0.00001244	0.00002319
31	0.00002508	0.00004826
32	0.00004878	0.00009704
33	0.00009165	0.00018869
34	0.00016645	0.00035514
35	0.00029248	0.00064762
36	0.00049762	0.00114524
37	0.0008204	0.00196564
38	0.00131156	0.00327719
39	0.00203459	0.00531179
40	0.00306461	0.0083764
41	0.00448479	0.01286119
42	0.00638015	0.01924134
43	0.00882835	0.02806969
44	0.01188817	0.03995787
45	0.01558672	0.05554458
46	0.01990695	0.07545153
47	0.0247778	0.10022933
48	0.03006889	0.13029822
49	0.03559175	0.16588997
50	0.04110847	0.20699844
51	0.04634778	0.25334623
52	0.05102713	0.30437336
53	0.05487823	0.35925159
54	0.05767296	0.41692455
55	0.05924586	0.4761704
56	0.05951035	0.53568075
57	0.05846631	0.59414706
58	0.05619822	0.65034527
59	0.05286442	0.7032097
60	0.04867932	0.75188902
61	0.04389119	0.79578021
62	0.03875876	0.83453897
63	0.0335294	0.86806837
64	0.02842141	0.89648977
65	0.02361163	0.9201014
66	0.01922917	0.93933057
67	0.01535463	0.9546852

68	0.01202403	0.96670923
69	0.00923585	0.97594509
70	0.00695987	0.98290496
71	0.00514639	0.98805134
72	0.0037347	0.99178605
73	0.00266034	0.99444638
74	0.00186044	0.99630682
75	0.0012775	0.99758432
76	0.00086147	0.9984458
77	0.00057059	0.99901638
78	0.00037125	0.99938763
79	0.00023732	0.99962494
80	0.00014906	0.99977401
81	0.00009201	0.99986602
82	0.00005583	0.99992185
83	0.00003329	0.99995514
84	0.00001952	0.99997466
85	0.00001125	0.99998592
86	0.00000638	0.9999923
87	0.00000356	0.99999585
88	0.00000195	0.9999978
89	0.00000105	0.99999885
90	5.6e-7	0.99999941
91	2.9e-7	0.9999997
92	1.5e-7	0.99999985
93	8e-8	0.99999993
94	4e-8	0.99999996
95	2e-8	0.99999998
96	1e-8	0.99999999
97	0	1
...
280	0	1

k	p(X=k)	p(x≤k)
---	--------	--------

p = 0.2	n = 280
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Erwartungswert: $\mu = 56$

Standardabweichung: $\sigma = 6.693$

1σ-Intervall: $p(50 \leq X \leq 62) = 0.66864899$
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2σ-Intervall: $p(43 \leq X \leq 69) = 0.95670374$
--

3σ-Intervall: $p(36 \leq X \leq 76) = 0.99779817$
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p = 0.2	n = 290
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k	p(X=k)	p(x≤k)
---	--------	--------

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

...
-----	-----	-----

22	0	0
23	1e-8	1e-8
24	2e-8	3e-8
25	6e-8	9e-8
26	1.4e-7	2.3e-7
27	3.5e-7	5.8e-7
28	8.3e-7	0.00000141
29	0.00000186	0.00000327
30	0.00000405	0.00000733
31	0.0000085	0.00001583
32	0.0000172	0.00003302
33	0.00003362	0.00006664
34	0.00006352	0.00013016
35	0.00011616	0.00024632
36	0.00020569	0.00045201
37	0.00035301	0.00080503
38	0.00058758	0.00139261
39	0.00094917	0.00234178
40	0.00148901	0.00383079
41	0.00226984	0.00610063
42	0.00336422	0.00946485
43	0.00485074	0.01431559
44	0.00680757	0.02112316
45	0.00930368	0.03042685
46	0.01238805	0.0428149
47	0.01607811	0.05889301
48	0.02034886	0.07924187
49	0.02512461	0.10436649
50	0.03027516	0.13464165
51	0.03561784	0.17025948
52	0.04092626	0.21118575
53	0.04594552	0.25713127
54	0.05041245	0.30754372
55	0.05407881	0.36162252
56	0.05673446	0.41835699
57	0.05822748	0.47658446
58	0.05847846	0.53506292
59	0.0574873	0.59255021
60	0.05533152	0.64788174
61	0.05215676	0.7000385
62	0.04816088	0.74819938
63	0.04357413	0.79177351
64	0.038638	0.83041151
65	0.03358534	0.86399685
66	0.02862387	0.89262071
67	0.02392443	0.91654514
68	0.01961451	0.93615965

69	0.01577689	0.95193654
70	0.01245247	0.96438901
71	0.00964628	0.9740353
72	0.00733519	0.98137049
73	0.00547627	0.98684677
74	0.0040147	0.99086147
75	0.00289059	0.99375205
76	0.00204433	0.99579638
77	0.00142041	0.99721679
78	0.0009697	0.99818649
79	0.00065056	0.99883705
80	0.00042896	0.99926602
81	0.00027803	0.99954405
82	0.00017716	0.99972121
83	0.00011099	0.9998322
84	0.00006838	0.99990058
85	0.00004143	0.99994201
86	0.00002469	0.9999667
87	0.00001447	0.99998117
88	0.00000835	0.99998952
89	0.00000474	0.99999425
90	0.00000264	0.9999969
91	0.00000145	0.99999835
92	7.9e-7	0.99999914
93	4.2e-7	0.99999955
94	2.2e-7	0.99999977
95	1.1e-7	0.99999989
96	6e-8	0.99999994
97	3e-8	0.99999997
98	1e-8	0.99999999
99	1e-8	0.99999999
100	0	1
...
290	0	1
k	p(X=k)	p(x≤k)
	p = 0.2	n = 290
Erwartungswert: $\mu = 58$		
Standardabweichung: $\sigma = 6.812$		
1 σ -Intervall: $p(52 \leq X \leq 64) = 0.66015203$		
2 σ -Intervall: $p(45 \leq X \leq 71) = 0.95291213$		
3 σ -Intervall: $p(38 \leq X \leq 78) = 0.99738147$		

p = 0.2		n = 300
k	p(X=k)	p(x≤k)
0	0	0
...
23	0	0
24	1e-8	1e-8
25	1e-8	2e-8
26	4e-8	6e-8
27	1e-7	1.6e-7
28	2.4e-7	4e-7
29	5.6e-7	9.6e-7
30	0.00000127	0.00000223
31	0.00000276	0.000005
32	0.00000581	0.00001081
33	0.0000118	0.0000226
34	0.00002316	0.00004576
35	0.000044	0.00008977
36	0.00008098	0.00017075
37	0.00014445	0.0003152
38	0.00024994	0.00056514
39	0.00041977	0.00098491
40	0.00068475	0.00166967
41	0.00108558	0.00275525
42	0.00167361	0.00442886
43	0.00251041	0.00693927
44	0.00366577	0.01060503
45	0.00521354	0.01581857
46	0.00722528	0.02304386
47	0.00976182	0.03280568
48	0.01286323	0.04566891
49	0.01653844	0.06220735
50	0.02075574	0.0829631
51	0.02543596	0.10839906
52	0.03044978	0.13884884
53	0.0356205	0.17446933
54	0.0407327	0.21520203
55	0.04554656	0.2607486
56	0.04981655	0.31056515
57	0.05331245	0.3638776
58	0.0558402	0.4197178
59	0.05725986	0.47697766
60	0.05749845	0.53447611
61	0.05655585	0.59103196
62	0.05450342	0.64553537
63	0.05147545	0.69701082
64	0.04765501	0.74466583
65	0.04325608	0.78792192

66	0.03850447	0.82642638
67	0.03361957	0.86004596
68	0.02879912	0.88884508
69	0.02420796	0.91305303
70	0.01997156	0.93302459
71	0.01617415	0.94919875
72	0.0128607	0.96205945
73	0.01004192	0.97210136
74	0.00770106	0.97980242
75	0.00580147	0.98560389
76	0.00429385	0.98989774
77	0.0031228	0.99302054
78	0.002232	0.99525254
79	0.00156805	0.99682059
80	0.00108294	0.99790353
81	0.00073533	0.99863886
82	0.00049096	0.99912982
83	0.00032238	0.9994522
84	0.0002082	0.99966041
85	0.00013227	0.99979268
86	0.00008267	0.99987535
87	0.00005084	0.99992618
88	0.00003076	0.99995694
89	0.00001832	0.99997526
90	0.00001074	0.999986
91	0.00000619	0.9999922
92	0.00000352	0.99999571
93	0.00000197	0.99999768
94	0.00000108	0.99999876
95	5.9e-7	0.99999935
96	3.1e-7	0.99999966
97	1.6e-7	0.99999983
98	9e-8	0.99999991
99	4e-8	0.99999996
100	2e-8	0.99999998
101	1e-8	0.99999999
102	1e-8	1
103	0	1
...
300	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 300
Erwartungswert: $\mu = 60$		
Standardabweichung: $\sigma = 6.928$		
1σ -Intervall: $p(54 \leq X \leq 66) = 0.65195705$		

2 σ -Intervall:
 $p(47 \leq X \leq 73) = 0.9490575$

3 σ -Intervall:
 $p(40 \leq X \leq 80) = 0.99691862$

p = 0.2		n = 310
k	p(X=k)	p(x≤k)
0	0	0
...
24	0	0
25	0	1e-8
26	1e-8	2e-8
27	3e-8	4e-8
28	7e-8	1.1e-7
29	1.6e-7	2.7e-7
30	3.8e-7	6.6e-7
31	8.7e-7	0.00000152
32	0.00000189	0.00000341
33	0.00000397	0.00000738
34	0.00000809	0.00001548
35	0.00001595	0.00003143
36	0.00003047	0.0000619
37	0.00005641	0.00011831
38	0.00010131	0.00021962
39	0.00017665	0.00039627
40	0.0002992	0.00069547
41	0.00049259	0.00118806
42	0.00078872	0.00197678
43	0.00122894	0.00320573
44	0.00186436	0.00507009
45	0.00275511	0.0078252
46	0.00396796	0.01179316
47	0.00557203	0.01736519
48	0.00763252	0.02499772
49	0.01020266	0.03520037
50	0.01331447	0.04851484
51	0.01696942	0.06548426
52	0.02113019	0.08661445
53	0.02571504	0.11232949
54	0.03059614	0.14292562
55	0.03560278	0.1785284
56	0.04052995	0.21905835
57	0.04515178	0.26421013
58	0.0492388	0.31344893
59	0.05257702	0.36602595
60	0.0549868	0.42101276
61	0.05633894	0.47735169

62	0.05656611	0.53391781
63	0.05566824	0.58958604
64	0.05371115	0.64329719
65	0.05081901	0.6941162
66	0.04716158	0.74127778
67	0.04293816	0.78421594
68	0.03836019	0.82257613
69	0.03363466	0.85621079
70	0.02894983	0.88516062
71	0.02446465	0.90962527
72	0.02030226	0.92992753
73	0.01654773	0.94647526
74	0.01324937	0.95972463
75	0.01042283	0.97014746
76	0.00805713	0.97820459
77	0.00612132	0.98432591
78	0.00457137	0.98889728
79	0.0033562	0.99225348
80	0.00242276	0.99467624
81	0.00171986	0.99639609
82	0.00120075	0.99759685
83	0.00082461	0.99842146
84	0.00055711	0.99897857
85	0.00037031	0.99934888
86	0.00024221	0.99959109
87	0.0001559	0.99974699
88	0.00009877	0.99984576
89	0.00006159	0.99990735
90	0.00003781	0.99994516
91	0.00002285	0.99996802
92	0.0000136	0.99998162
93	0.00000797	0.99998959
94	0.0000046	0.99999419
95	0.00000261	0.9999968
96	0.00000146	0.99999827
97	8.1e-7	0.99999907
98	4.4e-7	0.99999951
99	2.3e-7	0.99999975
100	1.2e-7	0.99999987
101	6e-8	0.99999993
102	3e-8	0.99999997
103	2e-8	0.99999998
104	1e-8	0.99999999
105	0	1
...
310	0	1
k	p(X=k)	p(x≤k)

p = 0.2	n = 310
Erwartungswert: $\mu = 62$	
Standardabweichung: $\sigma = 7.043$	
1 σ -Intervall: $p(55 \leq X \leq 69) = 0.71328517$	
2 σ -Intervall: $p(48 \leq X \leq 76) = 0.9608394$	
3 σ -Intervall: $p(41 \leq X \leq 83) = 0.99772599$	

p = 0.2		n = 320
k	p(X=k)	p(x≤k)
0	0	0
...
26	0	0
27	1e-8	1e-8
28	2e-8	3e-8
29	5e-8	8e-8
30	1.1e-7	1.9e-7
31	2.6e-7	4.5e-7
32	5.9e-7	0.00000104
33	0.00000129	0.00000233
34	0.00000272	0.00000505
35	0.00000555	0.0000106
36	0.00001099	0.00002159
37	0.00002109	0.00004268
38	0.00003926	0.00008194
39	0.00007098	0.00015291
40	0.00012465	0.00027757
41	0.00021282	0.00049038
42	0.00035343	0.00084382
43	0.00057124	0.00141506
44	0.00089906	0.00231412
45	0.00137856	0.00369268
46	0.00206034	0.00575302
47	0.00300284	0.00875587
48	0.00426967	0.01302553
49	0.00592525	0.01895079
50	0.00802872	0.0269795
51	0.01062624	0.03760575
52	0.01374259	0.05134834
53	0.01737271	0.06872106
54	0.02147461	0.09019566
55	0.02596475	0.11616041
56	0.03071723	0.14687764
57	0.03556732	0.18244496

58	0.04031984	0.2227648
59	0.04476186	0.26752666
60	0.04867852	0.31620518
61	0.05187056	0.36807574
62	0.05417127	0.42224701
63	0.05546106	0.47770807
64	0.05567771	0.53338578
65	0.05482113	0.5882069
66	0.05295222	0.64115913
67	0.05018606	0.69134519
68	0.04668042	0.73802561
69	0.04262125	0.78064686
70	0.03820691	0.81885377
71	0.03363284	0.85248661
72	0.02907839	0.881565
73	0.02469672	0.90626172
74	0.02060841	0.92687013
75	0.0168989	0.94376902
76	0.01361918	0.9573882
77	0.01078922	0.96817742
78	0.00840314	0.97658056
79	0.00643532	0.98301588
80	0.0048466	0.98786247
81	0.00359007	0.99145255
82	0.00261594	0.99406848
83	0.00187528	0.99594376
84	0.00132274	0.9972665
85	0.00091814	0.99818464
86	0.00062722	0.99881186
87	0.00042175	0.99923361
88	0.00027917	0.99951278
89	0.00018193	0.99969471
90	0.00011674	0.99981145
91	0.00007376	0.99988521
92	0.0000459	0.99993111
93	0.00002813	0.99995925
94	0.00001698	0.99997623
95	0.0000101	0.99998633
96	0.00000592	0.99999225
97	0.00000342	0.99999567
98	0.00000194	0.99999761
99	0.00000109	0.9999987
100	6e-7	0.9999993
101	3.3e-7	0.99999963
102	1.8e-7	0.99999981
103	9e-8	0.9999999
104	5e-8	0.99999995

105	2e-8	0.99999997
106	1e-8	0.99999999
107	1e-8	0.99999999
108	0	1
...
320	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 320
Erwartungswert: $\mu = 64$		
Standardabweichung: $\sigma = 7.155$		
1 σ -Intervall: $p(57 \leq X \leq 71) = 0.70560897$		
2 σ -Intervall: $p(50 \leq X \leq 78) = 0.95762977$		
3 σ -Intervall: $p(43 \leq X \leq 85) = 0.99734083$		

p = 0.2		n = 330
k	p(X=k)	p(x≤k)
0	0	0
...
27	0	0
28	0	1e-8
29	1e-8	2e-8
30	3e-8	5e-8
31	8e-8	1.3e-7
32	1.8e-7	3.1e-7
33	4e-7	7.1e-7
34	8.8e-7	0.00000159
35	0.00000186	0.00000345
36	0.00000381	0.00000726
37	0.00000757	0.00001483
38	0.00001459	0.00002942
39	0.00002731	0.00005673
40	0.00004967	0.0001064
41	0.00008783	0.00019423
42	0.00015109	0.00034532
43	0.00025299	0.00059831
44	0.00041254	0.00101086
45	0.00065549	0.00166634
46	0.00101529	0.00268164
47	0.00153374	0.00421538
48	0.00226067	0.00647605
49	0.0032526	0.00972865
50	0.0045699	0.01429855
51	0.00627242	0.02057097

52	0.00841348	0.02898445
53	0.01103277	0.04001722
54	0.01414851	0.05416573
55	0.01774995	0.07191567
56	0.02179123	0.0937069
57	0.0261877	0.1198946
58	0.0308157	0.1507103
59	0.0355164	0.18622671
60	0.04010394	0.22633064
61	0.04437731	0.27070795
62	0.04813506	0.31884302
63	0.05119126	0.37003427
64	0.05339088	0.42342516
65	0.05462298	0.47804814
66	0.05482989	0.53287802
67	0.05401153	0.58688955
68	0.05222438	0.63911394
69	0.04957532	0.68868926
70	0.04621128	0.73490054
71	0.0423061	0.77720664
72	0.03804611	0.81525275
73	0.03361609	0.84886884
74	0.02918694	0.87805578
75	0.02490619	0.90296196
76	0.0208917	0.92385367
77	0.01722887	0.94108254
78	0.01397085	0.95505339
79	0.01114131	0.9661947
80	0.00873896	0.97493366
81	0.00674303	0.98167669
82	0.00511895	0.98679564
83	0.00382379	0.99061943
84	0.00281094	0.99343037
85	0.0020338	0.99546417
86	0.00144849	0.99691266
87	0.00101561	0.99792827
88	0.00070112	0.99862938
89	0.0004766	0.99910598
90	0.00031906	0.99942504
91	0.00021037	0.99963541
92	0.00013662	0.99977203
93	0.00008741	0.99985944
94	0.0000551	0.99991454
95	0.00003422	0.99994876
96	0.00002094	0.9999697
97	0.00001263	0.99998233
98	0.00000751	0.99998983

99	0.0000044	0.99999423
100	0.00000254	0.99999677
101	0.00000145	0.99999822
102	8.1e-7	0.99999903
103	4.5e-7	0.99999948
104	2.5e-7	0.99999972
105	1.3e-7	0.99999986
106	7e-8	0.99999993
107	4e-8	0.99999996
108	2e-8	0.99999998
109	1e-8	0.99999999
110	0	1
...
330	0	1
k	p(X=k)	p(x≤k)
	p = 0.2	n = 330
Erwartungswert: $\mu = 66$		
Standardabweichung: $\sigma = 7.266$		
1 σ -Intervall: $p(59 \leq X \leq 73) = 0.69815853$		
2 σ -Intervall: $p(52 \leq X \leq 80) = 0.95436269$		
3 σ -Intervall: $p(45 \leq X \leq 87) = 0.99691741$		

p = 0.2		n = 340
k	p(X=k)	p(x≤k)
0	0	0
...
28	0	0
29	0	1e-8
30	1e-8	1e-8
31	2e-8	4e-8
32	5e-8	9e-8
33	1.2e-7	2.1e-7
34	2.7e-7	4.8e-7
35	6e-7	0.00000109
36	0.00000127	0.00000236
37	0.00000261	0.00000497
38	0.00000521	0.00001019
39	0.00001009	0.00002028
40	0.00001898	0.00003926
41	0.00003473	0.00007399
42	0.00006181	0.00013579
43	0.00010708	0.00024288
44	0.0001807	0.00042358

45	0.00029715	0.00072073
46	0.00047642	0.00119715
47	0.00074503	0.00194218
48	0.00113695	0.00307913
49	0.00169383	0.00477296
50	0.00246452	0.00723747
51	0.00350348	0.01074095
52	0.00486781	0.01560876
53	0.00661288	0.02222164
54	0.00878656	0.0310082
55	0.01142252	0.04243072
56	0.01453312	0.05696384
57	0.01810266	0.0750665
58	0.02208212	0.09714862
59	0.02638626	0.12353488
60	0.03089392	0.1544288
61	0.03545204	0.18988084
62	0.03988354	0.22976438
63	0.04399851	0.27376289
64	0.04760776	0.32137065
65	0.05053747	0.37190812
66	0.0526432	0.42455132
67	0.05382178	0.4783731
68	0.05401965	0.53239275
69	0.05323676	0.58562951
70	0.05152558	0.63715509
71	0.04898558	0.68614067
72	0.0457539	0.73189457
73	0.0419933	0.77388787
74	0.03787909	0.81176697
75	0.03358613	0.8453531
76	0.02927738	0.87463048
77	0.0250949	0.89972538
78	0.02115371	0.92087909
79	0.01753884	0.93841793
80	0.01430511	0.95272304
81	0.01147941	0.96420246
82	0.00906454	0.97326699
83	0.00704413	0.98031112
84	0.00538792	0.98569904
85	0.00405679	0.98975583
86	0.00300721	0.99276304
87	0.00219492	0.99495796
88	0.0015776	0.99653555
89	0.00111673	0.99765228
90	0.00077861	0.99843089
91	0.00053476	0.99896564

92	0.00036183	0.99932748
93	0.00024122	0.9995687
94	0.00015846	0.99972716
95	0.00010258	0.99982974
96	0.00006545	0.99989519
97	0.00004116	0.99993635
98	0.00002551	0.99996187
99	0.00001559	0.99997746
100	0.00000939	0.99998685
101	0.00000558	0.99999244
102	0.00000327	0.9999957
103	0.00000189	0.99999759
104	0.00000108	0.99999867
105	6e-7	0.99999927
106	3.4e-7	0.99999961
107	1.8e-7	0.99999979
108	1e-7	0.99999989
109	5e-8	0.99999994
110	3e-8	0.99999997
111	1e-8	0.99999999
112	1e-8	0.99999999
113	0	1
...
340	0	1
k	p(X=k)	p(x≤k)
	p = 0.2	n = 340
Erwartungswert: $\mu = 68$		
Standardabweichung: $\sigma = 7.376$		
1 σ -Intervall: $p(61 \leq X \leq 75) = 0.69092429$		
2 σ -Intervall: $p(54 \leq X \leq 82) = 0.95104535$		
3 σ -Intervall: $p(46 \leq X \leq 90) = 0.99771015$		

	p = 0.2	n = 350
k	p(X=k)	p(x≤k)
0	0	0
...
30	0	0
31	1e-8	1e-8
32	1e-8	2e-8
33	4e-8	6e-8
34	8e-8	1.4e-7
35	1.9e-7	3.3e-7
36	4.1e-7	7.4e-7

37	8.7e-7	0.00000161
38	0.00000179	0.00000341
39	0.00000359	0.000007
40	0.00000698	0.00001398
41	0.00001319	0.00002716
42	0.00002426	0.00005142
43	0.00004344	0.00009486
44	0.00007577	0.00017064
45	0.00012881	0.00029945
46	0.00021352	0.00051298
47	0.00034527	0.00085825
48	0.00054488	0.00140314
49	0.00083957	0.0022427
50	0.00126355	0.00350625
51	0.00185816	0.00536441
52	0.00267111	0.00803552
53	0.00375467	0.01179019
54	0.00516267	0.01695285
55	0.00694614	0.02389899
56	0.00914781	0.0330468
57	0.01179586	0.04484267
58	0.01489736	0.05974003
59	0.01843233	0.07817236
60	0.0223492	0.10052156
61	0.02656257	0.12708413
62	0.03095397	0.15803809
63	0.03537596	0.19341406
64	0.03965977	0.23307382
65	0.04362575	0.27669957
66	0.04709598	0.32379555
67	0.04990768	0.37370322
68	0.051926	0.42562922
69	0.05305483	0.47868405
70	0.05324431	0.53192836
71	0.05249439	0.58442274
72	0.05085394	0.63527668
73	0.04841574	0.68369242
74	0.04530797	0.72900039
75	0.04168333	0.77068372
76	0.03770696	0.80839068
77	0.0335445	0.84193519
78	0.02935144	0.87128663
79	0.02526453	0.89655116
80	0.0213959	0.91794706
81	0.01782992	0.93577698
82	0.01462271	0.95039968
83	0.01180387	0.96220355

84	0.00937986	0.97158342
85	0.00733836	0.97892178
86	0.0056531	0.98457488
87	0.00428856	0.98886344
88	0.00320424	0.99206767
89	0.00235817	0.99442584
90	0.00170968	0.99613552
91	0.0012212	0.99735672
92	0.00085948	0.9982162
93	0.00059609	0.99881229
94	0.00040744	0.99921973
95	0.00027448	0.99949421
96	0.00018227	0.99967649
97	0.00011932	0.99979581
98	0.00007701	0.99987282
99	0.00004901	0.99992183
100	0.00003075	0.99995258
101	0.00001903	0.99997161
102	0.00001161	0.99998323
103	0.00000699	0.99999022
104	0.00000415	0.99999437
105	0.00000243	0.9999968
106	0.0000014	0.99999821
107	8e-7	0.99999901
108	4.5e-7	0.99999946
109	2.5e-7	0.99999971
110	1.4e-7	0.99999984
111	7e-8	0.99999992
112	4e-8	0.99999996
113	2e-8	0.99999998
114	1e-8	0.99999999
115	1e-8	0.99999999
116	0	1
...
350	0	1
k	p(X=k)	p(x≤k)
	p = 0.2	n = 350
Erwartungswert: $\mu = 70$		
Standardabweichung: $\sigma = 7.483$		
1σ-Intervall: $p(63 \leq X \leq 77) = 0.68389709$		
2σ-Intervall: $p(56 \leq X \leq 84) = 0.94768443$		
3σ-Intervall: $p(48 \leq X \leq 92) = 0.99735795$		

p = 0.2		n = 360
k	p(X=k)	p(x≤k)
0	0	0
...
31	0	0
32	0	1e-8
33	1e-8	2e-8
34	2e-8	4e-8
35	6e-8	1e-7
36	1.3e-7	2.3e-7
37	2.8e-7	5.1e-7
38	6e-7	0.0000011
39	0.00000123	0.00000234
40	0.00000247	0.00000481
41	0.00000482	0.00000963
42	0.00000916	0.00001879
43	0.00001693	0.00003572
44	0.0000305	0.00006622
45	0.00005354	0.00011976
46	0.00009166	0.00021142
47	0.00015309	0.00036452
48	0.00024957	0.00061409
49	0.00039728	0.00101137
50	0.00061777	0.00162914
51	0.00093877	0.0025679
52	0.00139461	0.00396251
53	0.00202613	0.00598865
54	0.00287973	0.00886838
55	0.00400545	0.01287383
56	0.00545385	0.01832767
57	0.00727179	0.02559947
58	0.00949721	0.03509668
59	0.01215322	0.0472499
60	0.01524216	0.06249206
61	0.01874036	0.08123241
62	0.02259422	0.10382663
63	0.02671856	0.1305452
64	0.03099771	0.16154291
65	0.0352897	0.19683261
66	0.03943357	0.23626617
67	0.04325921	0.27952538
68	0.04659908	0.32612446
69	0.04930047	0.37542493
70	0.05123728	0.4266622
71	0.05231975	0.47898196
72	0.05250142	0.53148338
73	0.05178222	0.5832656

74	0.05020776	0.63347336
75	0.04786473	0.68133809
76	0.04487319	0.72621128
77	0.04137658	0.76758785
78	0.03753068	0.80511853
79	0.03349256	0.83861109
80	0.02941066	0.86802175
81	0.02541662	0.89343837
82	0.02161962	0.91505799
83	0.01810318	0.93316117
84	0.01492435	0.94808552
85	0.01211506	0.96020058
86	0.009685	0.96988558
87	0.00762555	0.97751113
88	0.00591413	0.98342526
89	0.00451866	0.98794392
90	0.00340155	0.99134547
91	0.00252313	0.9938686
92	0.00184435	0.99571295
93	0.00132873	0.99704168
94	0.00094354	0.99798521
95	0.00066048	0.99864569
96	0.0004558	0.99910149
97	0.00031013	0.99941162
98	0.00020807	0.99961969
99	0.00013766	0.99975735
100	0.00008983	0.99984718
101	0.00005781	0.99990499
102	0.0000367	0.99994168
103	0.00002298	0.99996466
104	0.0000142	0.99997886
105	0.00000865	0.99998751
106	0.0000052	0.99999272
107	0.00000309	0.99999581
108	0.00000181	0.99999762
109	0.00000105	0.99999866
110	6e-7	0.99999926
111	3.4e-7	0.99999959
112	1.9e-7	0.99999978
113	1e-7	0.99999988
114	6e-8	0.99999994
115	3e-8	0.99999997
116	2e-8	0.99999998
117	1e-8	0.99999999
118	0	1
...
360	0	1

p = 0.2	n = 360
Erwartungswert: $\mu = 72$	
Standardabweichung: $\sigma = 7.589$	
1 σ -Intervall: $p(65 \leq X \leq 79) = 0.67706819$	
2 σ -Intervall: $p(57 \leq X \leq 87) = 0.95918346$	
3 σ -Intervall: $p(50 \leq X \leq 94) = 0.99697385$	

p = 0.2		n = 370
k	p(X=k)	p(x≤k)
0	0	0
...
33	0	0
34	1e-8	1e-8
35	2e-8	3e-8
36	4e-8	7e-8
37	9e-8	1.5e-7
38	1.9e-7	3.5e-7
39	4.1e-7	7.6e-7
40	8.5e-7	0.0000016
41	0.0000017	0.0000033
42	0.00000333	0.00000664
43	0.00000636	0.00001299
44	0.00001181	0.00002481
45	0.00002139	0.0000462
46	0.00003778	0.00008398
47	0.00006511	0.00014909
48	0.00010954	0.00025863
49	0.00017996	0.00043859
50	0.00028884	0.00072743
51	0.00045308	0.00118051
52	0.00069486	0.00187537
53	0.00104229	0.00291766
54	0.00152966	0.00444733
55	0.00219715	0.00664448
56	0.00308975	0.00973423
57	0.00425518	0.01398941
58	0.00574082	0.01973023
59	0.00758956	0.02731979
60	0.00983481	0.0371546
61	0.01249504	0.04964964
62	0.01556842	0.06521806
63	0.01902807	0.08424613
64	0.02281882	0.10706494

65	0.02685599	0.13392093
66	0.03102681	0.16494774
67	0.03519459	0.20014233
68	0.03920574	0.23934806
69	0.04289903	0.28224709
70	0.04611646	0.32836355
71	0.04871457	0.37707811
72	0.05057519	0.42765331
73	0.05161441	0.47926771
74	0.05178878	0.5310565
75	0.05109826	0.58215476
76	0.04958549	0.63174025
77	0.0473316	0.67907185
78	0.04444923	0.72352108
79	0.04107334	0.76459441
80	0.03735107	0.80194548
81	0.03343151	0.83537699
82	0.02945642	0.86483341
83	0.02555256	0.89038597
84	0.02182614	0.91221211
85	0.01835964	0.93057175
86	0.01521075	0.9457825
87	0.01241337	0.95819587
88	0.00998007	0.96817593
89	0.00790556	0.97608149
90	0.00617073	0.98225222
91	0.00474671	0.98699893
92	0.00359873	0.99059766
93	0.00268937	0.99328703
94	0.00198127	0.9952683
95	0.00143903	0.99670733
96	0.00103055	0.99773788
97	0.00072776	0.99846564
98	0.00050683	0.99897248
99	0.00034813	0.9993206
100	0.00023586	0.99955646
101	0.00015763	0.99971409
102	0.00010393	0.99981801
103	0.0000676	0.99988562
104	0.00004339	0.999929
105	0.00002748	0.99995648
106	0.00001717	0.99997366
107	0.00001059	0.99998425
108	0.00000645	0.9999907
109	0.00000388	0.99999458
110	0.0000023	0.99999688
111	0.00000135	0.99999822

112	7.8e-7	0.999999
113	4.4e-7	0.99999945
114	2.5e-7	0.9999997
115	1.4e-7	0.99999984
116	8e-8	0.99999991
117	4e-8	0.99999995
118	2e-8	0.99999998
119	1e-8	0.99999999
120	1e-8	0.99999999
121	0	1
...
370	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 370
Erwartungswert: $\mu = 74$		
Standardabweichung: $\sigma = 7.694$		
1σ-Intervall: $p(67 \leq X \leq 81) = 0.67042925$		
2σ-Intervall: $p(59 \leq X \leq 89) = 0.95635126$		
3σ-Intervall: $p(51 \leq X \leq 97) = 0.99773821$		

p = 0.2		n = 380
k	p(X=k)	p(x≤k)
0	0	0
...
34	0	0
35	0	1e-8
36	1e-8	2e-8
37	3e-8	5e-8
38	6e-8	1.1e-7
39	1.3e-7	2.4e-7
40	2.8e-7	5.2e-7
41	5.8e-7	0.0000011
42	0.00000117	0.00000227
43	0.0000023	0.00000457
44	0.00000441	0.00000898
45	0.00000823	0.00001722
46	0.00001499	0.00003221
47	0.00002663	0.00005884
48	0.00004619	0.00010502
49	0.00007823	0.00018325
50	0.00012947	0.00031273
51	0.00020944	0.00052217
52	0.00033128	0.00085345

53	0.00051255	0.00136601
54	0.00077595	0.00214195
55	0.00114981	0.00329176
56	0.00166825	0.00496002
57	0.00237068	0.00733069
58	0.00330055	0.01063125
59	0.0045033	0.01513454
60	0.00602316	0.0211577
61	0.00789923	0.02905693
62	0.0101607	0.03921763
63	0.01282183	0.05203946
64	0.01587704	0.0679165
65	0.01929671	0.08721321
66	0.02302448	0.11023769
67	0.02697644	0.13721413
68	0.03104274	0.16825687
69	0.0350918	0.20334867
70	0.03897696	0.24232563
71	0.04254527	0.2848709
72	0.04564753	0.33051843
73	0.04814877	0.3786672
74	0.04993808	0.42860528
75	0.05093684	0.47954212
76	0.0511044	0.53064652
77	0.0504407	0.58108723
78	0.04898568	0.63007291
79	0.04681543	0.67688834
80	0.04403577	0.72092411
81	0.04077386	0.76169796
82	0.03716885	0.79886681
83	0.0333624	0.83222922
84	0.02948998	0.8617192
85	0.02567363	0.88739283
86	0.02201663	0.90940946
87	0.01860026	0.92800971
88	0.0154826	0.94349231
89	0.01269921	0.95619153
90	0.0102652	0.96645672
91	0.00817832	0.97463504
92	0.00642264	0.98105768
93	0.00497237	0.98603005
94	0.0037954	0.98982545
95	0.00285654	0.99268199
96	0.00212009	0.99480207
97	0.00155182	0.99635389
98	0.00112032	0.99747421
99	0.0007978	0.99827201

100	0.00056046	0.99883246
101	0.00038843	0.9992209
102	0.00026562	0.99948652
103	0.00017923	0.99966575
104	0.00011934	0.99978509
105	0.00007843	0.99986351
106	0.00005087	0.99991438
107	0.00003256	0.99994694
108	0.00002058	0.99996752
109	0.00001284	0.99998036
110	0.00000791	0.99998827
111	0.00000481	0.99999307
112	0.00000289	0.99999596
113	0.00000171	0.99999767
114	0.000001	0.99999868
115	5.8e-7	0.99999925
116	3.3e-7	0.99999959
117	1.9e-7	0.99999977
118	1e-7	0.99999988
119	6e-8	0.99999993
120	3e-8	0.99999996
121	2e-8	0.99999998
122	1e-8	0.99999999
123	0	1
...
380	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 380
Erwartungswert: $\mu = 76$		
Standardabweichung: $\sigma = 7.797$		
1σ-Intervall: $p(69 \leq X \leq 83) = 0.66397234$		
2σ-Intervall: $p(61 \leq X \leq 91) = 0.95347733$		
3σ-Intervall: $p(53 \leq X \leq 99) = 0.99741855$		

p = 0.2		n = 390
k	p(X=k)	p(x≤k)
0	0	0
...
35	0	0
36	0	1e-8
37	1e-8	1e-8
38	2e-8	3e-8
39	4e-8	7e-8

40	9e-8	1.6e-7
41	1.9e-7	3.5e-7
42	4e-7	7.5e-7
43	8.1e-7	0.00000156
44	0.00000159	0.00000315
45	0.00000306	0.00000621
46	0.00000574	0.00001195
47	0.00001049	0.00002244
48	0.00001875	0.00004119
49	0.00003271	0.0000739
50	0.00005578	0.00012968
51	0.00009296	0.00022263
52	0.0001515	0.00037414
53	0.00024155	0.00061569
54	0.00037686	0.00099255
55	0.00057557	0.00156812
56	0.00086079	0.00242891
57	0.00126098	0.00368989
58	0.00180994	0.00549983
59	0.00254619	0.00804601
60	0.00351161	0.01155763
61	0.00474931	0.01630694
62	0.0063005	0.02260744
63	0.00820065	0.03080809
64	0.01047505	0.04128314
65	0.0131341	0.05441724
66	0.01616888	0.07058612
67	0.01954745	0.09013357
68	0.02321259	0.11334616
69	0.02708136	0.14042752
70	0.03104684	0.17147436
71	0.03498236	0.20645672
72	0.03874782	0.24520455
73	0.04219797	0.28740252
74	0.04519174	0.33259426
75	0.04760197	0.38019623
76	0.04932441	0.42952064
77	0.05028528	0.47980592
78	0.05044645	0.53025237
79	0.04980788	0.58006025
80	0.04840704	0.62846729
81	0.04631538	0.67478266
82	0.04363247	0.71841514
83	0.04047832	0.75889345
84	0.03698465	0.79587811
85	0.03328619	0.8291643
86	0.02951246	0.85867676

87	0.025781	0.88445776
88	0.02219217	0.90664993
89	0.01882594	0.92547587
90	0.01574058	0.94121645
91	0.012973	0.95418946
92	0.01054057	0.96473002
93	0.00844379	0.97317381
94	0.00666969	0.97984351
95	0.00519534	0.98503885
96	0.00399121	0.98903006
97	0.00302427	0.99205433
98	0.00226049	0.99431481
99	0.00166682	0.99598164
100	0.00121261	0.99719425
101	0.00087044	0.99806469
102	0.00061656	0.99868125
103	0.00043099	0.99911225
104	0.00029735	0.99940959
105	0.00020248	0.99961207
106	0.0001361	0.99974817
107	0.00009031	0.99983848
108	0.00005916	0.99989764
109	0.00003826	0.99993591
110	0.00002444	0.99996034
111	0.00001541	0.99997575
112	0.0000096	0.99998535
113	0.0000059	0.99999125
114	0.00000359	0.99999484
115	0.00000215	0.99999699
116	0.00000128	0.99999827
117	7.5e-7	0.99999901
118	4.3e-7	0.99999944
119	2.5e-7	0.99999969
120	1.4e-7	0.99999983
121	8e-8	0.99999991
122	4e-8	0.99999995
123	2e-8	0.99999997
124	1e-8	0.99999999
125	1e-8	0.99999999
126	0	1
...
390	0	1
k	p(X=k)	p(x≤k)
	p = 0.2	n = 390
Erwartungswert: $\mu = 78$		
Standardabweichung: $\sigma = 7.899$		

1σ -Intervall: $p(71 \leq X \leq 85) = 0.65768993$
2σ -Intervall: $p(63 \leq X \leq 93) = 0.95056637$
3σ -Intervall: $p(55 \leq X \leq 101) = 0.99707214$

p = 0.2		n = 400
k	p(X=k)	p(x≤k)
0	0	0
...
37	0	0
38	1e-8	1e-8
39	1e-8	2e-8
40	3e-8	5e-8
41	6e-8	1.1e-7
42	1.3e-7	2.4e-7
43	2.7e-7	5.2e-7
44	5.6e-7	0.00000107
45	0.0000011	0.00000217
46	0.00000212	0.00000429
47	0.00000399	0.00000829
48	0.00000734	0.00001563
49	0.00001319	0.00002881
50	0.00002314	0.00005195
51	0.0000397	0.00009165
52	0.00006661	0.00015827
53	0.00010935	0.00026761
54	0.00017566	0.00044328
55	0.00027627	0.00071954
56	0.0004255	0.00114505
57	0.00064199	0.00178704
58	0.00094915	0.00273618
59	0.00137546	0.00411164
60	0.0019543	0.00606594
61	0.0027232	0.00878915
62	0.00372244	0.01251159
63	0.0049928	0.01750439
64	0.00657255	0.02407694
65	0.00849376	0.0325707
66	0.01077807	0.04334877
67	0.01343237	0.05678113
68	0.01644477	0.07322591
69	0.01978139	0.0930073
70	0.02338443	0.11639173
71	0.02717205	0.14356378
72	0.0310403	0.17460408

73	0.03486718	0.20947126
74	0.03851881	0.24799007
75	0.04185711	0.28984718
76	0.04474855	0.33459574
77	0.04707315	0.38166889
78	0.04873278	0.43040168
79	0.04965809	0.48005977
80	0.04981327	0.52987304
81	0.04919829	0.57907133
82	0.04784834	0.62691967
83	0.04583064	0.67275031
84	0.04323903	0.71598934
85	0.04018686	0.7561762
86	0.03679901	0.79297521
87	0.03320371	0.82617892
88	0.02952489	0.85570381
89	0.02587574	0.88157955
90	0.02235377	0.90393332
91	0.01903755	0.92297087
92	0.01598533	0.9389562
93	0.01323517	0.95219137
94	0.01080637	0.96299774
95	0.00870198	0.97169972
96	0.00691173	0.97861145
97	0.00541537	0.98402682
98	0.00418586	0.98821268
99	0.00319225	0.99140493
100	0.00240217	0.99380709
101	0.00178379	0.99559088
102	0.00130724	0.99689812
103	0.00094553	0.99784364
104	0.00067505	0.99851869
105	0.00047575	0.99899444
106	0.00033101	0.99932545
107	0.00022737	0.99955282
108	0.00015421	0.99970703
109	0.00010328	0.99981031
110	0.00006831	0.99987862
111	0.00004461	0.99992324
112	0.00002878	0.99995202
113	0.00001834	0.99997035
114	0.00001154	0.99998189
115	0.00000718	0.99998907
116	0.00000441	0.99999348
117	0.00000267	0.99999615
118	0.0000016	0.99999776
119	9.5e-7	0.99999871

120	5.6e-7	0.99999926
121	3.2e-7	0.99999958
122	1.8e-7	0.99999977
123	1e-7	0.99999987
124	6e-8	0.99999993
125	3e-8	0.99999996
126	2e-8	0.99999998
127	1e-8	0.99999999
128	1e-8	0.99999999
129	0	1
...
400	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 400
Erwartungswert: $\mu = 80$		
Standardabweichung: $\sigma = 8$		
1σ-Intervall: $p(72 \leq X \leq 88) = 0.71214002$		
2σ-Intervall: $p(64 \leq X \leq 96) = 0.96110706$		
3σ-Intervall: $p(56 \leq X \leq 104) = 0.99779915$		

p = 0.2		n = 410
k	p(X=k)	p(x≤k)
0	0	0
...
38	0	0
39	0	1e-8
40	1e-8	1e-8
41	2e-8	3e-8
42	4e-8	8e-8
43	9e-8	1.7e-7
44	1.9e-7	3.5e-7
45	3.8e-7	7.4e-7
46	7.6e-7	0.0000015
47	0.00000147	0.00000297
48	0.00000278	0.00000575
49	0.00000513	0.00001088
50	0.00000926	0.00002014
51	0.00001635	0.00003649
52	0.00002822	0.00006471
53	0.00004765	0.00011236
54	0.00007875	0.00019111
55	0.00012744	0.00031855
56	0.00020197	0.00052051

57	0.00031358	0.00083409
58	0.00047713	0.00131122
59	0.00071165	0.00202287
60	0.00104078	0.00306365
61	0.00149293	0.00455657
62	0.00210093	0.0066575
63	0.00290129	0.00955879
64	0.0039326	0.01349139
65	0.00523339	0.01872478
66	0.00683909	0.02556387
67	0.00877853	0.03434239
68	0.01106998	0.04541238
69	0.01371715	0.05912953
70	0.01670553	0.07583506
71	0.01999958	0.09583463
72	0.02354117	0.1193758
73	0.02724971	0.14662552
74	0.03102416	0.17764968
75	0.03474706	0.21239674
76	0.03829035	0.25068709
77	0.04152265	0.29220975
78	0.04431745	0.33652719
79	0.04656137	0.38308856
80	0.04816191	0.43125047
81	0.0490538	0.48030427
82	0.04920336	0.52950763
83	0.04861054	0.57811817
84	0.04730848	0.62542665
85	0.04536048	0.67078713
86	0.0428551	0.71364224
87	0.03989958	0.75354182
88	0.0366124	0.79015421
89	0.03311571	0.82326992
90	0.02952817	0.8527981
91	0.02595883	0.87875693
92	0.02250236	0.90125929
93	0.01923589	0.92049518
94	0.01621749	0.93671267
95	0.01348612	0.95019879
96	0.01106284	0.96126163
97	0.00895291	0.97021454
98	0.00714863	0.97736317
99	0.00563225	0.98299542
100	0.00437908	0.9873745
101	0.00336018	0.99073468
102	0.00254484	0.99327952
103	0.00190246	0.99518198

104	0.00140398	0.99658595
105	0.0010229	0.99760885
106	0.00073581	0.99834466
107	0.00052263	0.99886729
108	0.00036657	0.99923386
109	0.00025391	0.99948777
110	0.0001737	0.99966146
111	0.00011736	0.99977883
112	0.00007833	0.99985715
113	0.00005164	0.9999088
114	0.00003363	0.99994243
115	0.00002164	0.99996407
116	0.00001376	0.99997783
117	0.00000864	0.99998648
118	0.00000537	0.99999184
119	0.00000329	0.99999514
120	0.000002	0.99999713
121	0.0000012	0.99999833
122	7.1e-7	0.99999904
123	4.1e-7	0.99999945
124	2.4e-7	0.99999969
125	1.4e-7	0.99999983
126	8e-8	0.9999999
127	4e-8	0.99999995
128	2e-8	0.99999997
129	1e-8	0.99999999
130	1e-8	0.99999999
131	0	1
...
410	0	1
k	p(X=k)	p(x≤k)
p = 0.2	n = 410	

Erwartungswert:
 $\mu = 82$

Standardabweichung:
 $\sigma = 8.099$

1 σ -Intervall:
 $p(74 \leq X \leq 90) = 0.70617258$

2 σ -Intervall:
 $p(66 \leq X \leq 98) = 0.95863839$

3 σ -Intervall:
 $p(58 \leq X \leq 106) = 0.99751057$

p = 0.2	n = 420	
k	p(X=k)	p(x≤k)
0	0	0
...
40	0	0

41	1e-8	1e-8
42	1e-8	2e-8
43	3e-8	5e-8
44	6e-8	1.1e-7
45	1.3e-7	2.4e-7
46	2.6e-7	5.1e-7
47	5.2e-7	0.00000103
48	0.00000102	0.00000205
49	0.00000193	0.00000398
50	0.00000359	0.00000757
51	0.0000065	0.00001407
52	0.00001154	0.00002561
53	0.00002003	0.00004564
54	0.00003403	0.00007966
55	0.00005661	0.00013627
56	0.00009224	0.00022852
57	0.00014727	0.00037578
58	0.00023042	0.0006062
59	0.00035344	0.00095964
60	0.00053163	0.00149127
61	0.00078438	0.00227565
62	0.00113545	0.0034111
63	0.00161306	0.00502416
64	0.00224946	0.00727362
65	0.00308003	0.01035365
66	0.00414171	0.01449535
67	0.00547076	0.01996611
68	0.00709992	0.02706604
69	0.00905497	0.03612101
70	0.01135105	0.04747206
71	0.01398898	0.06146104
72	0.01695192	0.07841296
73	0.02020297	0.09861593
74	0.02368389	0.12229982
75	0.02731542	0.14961523
76	0.03099941	0.18061464
77	0.03462271	0.21523735
78	0.03806279	0.25330014
79	0.04119454	0.29449468
80	0.04389793	0.33839261
81	0.04606573	0.38445834
82	0.04761062	0.43206895
83	0.04847105	0.48054
84	0.04861531	0.52915531
85	0.04804336	0.57719867
86	0.04678641	0.62398509
87	0.0449042	0.66888929

88	0.0424804	0.71136969
89	0.03961655	0.75098624
90	0.03642522	0.78741145
91	0.03302286	0.82043431
92	0.02952316	0.84995747
93	0.02603117	0.87598864
94	0.02263881	0.89862745
95	0.01942172	0.91804916
96	0.01643765	0.93448681
97	0.01372628	0.9482131
98	0.01131018	0.95952328
99	0.00919666	0.96871994
100	0.00738032	0.97610026
101	0.0058458	0.98194606
102	0.00457061	0.98651667
103	0.0035278	0.99004447
104	0.00268825	0.99273272
105	0.00202259	0.99475531
106	0.00150263	0.99625795
107	0.0011024	0.99736034
108	0.00079873	0.99815907
109	0.00057157	0.99873064
110	0.00040399	0.99913463
111	0.00028207	0.9994167
112	0.00019455	0.99961125
113	0.00013257	0.99974382
114	0.00008925	0.99983308
115	0.00005937	0.99989245
116	0.00003903	0.99993147
117	0.00002535	0.99995683
118	0.00001627	0.9999731
119	0.00001033	0.99998342
120	0.00000647	0.9999899
121	0.00000401	0.99999391
122	0.00000246	0.99999637
123	0.00000149	0.99999786
124	8.9e-7	0.99999875
125	5.3e-7	0.99999928
126	3.1e-7	0.99999959
127	1.8e-7	0.99999977
128	1e-7	0.99999987
129	6e-8	0.99999993
130	3e-8	0.99999996
131	2e-8	0.99999998
132	1e-8	0.99999999
133	1e-8	0.99999999
134	0	1

...
420	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 420
Erwartungswert: $\mu = 84$		
Standardabweichung: $\sigma = 8.198$		
1σ-Intervall: $p(76 \leq X \leq 92) = 0.70034224$		
2σ-Intervall: $p(68 \leq X \leq 100) = 0.95613414$		
3σ-Intervall: $p(60 \leq X \leq 108) = 0.99719943$		

p = 0.2		n = 430
k	p(X=k)	p(x≤k)
0	0	0
...
41	0	0
42	0	1e-8
43	1e-8	2e-8
44	2e-8	4e-8
45	4e-8	8e-8
46	9e-8	1.7e-7
47	1.8e-7	3.5e-7
48	3.6e-7	7.1e-7
49	7.1e-7	0.00000142
50	0.00000134	0.00000276
51	0.0000025	0.00000526
52	0.00000456	0.00000983
53	0.00000813	0.00001796
54	0.0000142	0.00003215
55	0.00002426	0.00005642
56	0.00004062	0.00009704
57	0.00006663	0.00016366
58	0.00010712	0.00027078
59	0.00016885	0.00043964
60	0.00026102	0.00070065
61	0.0003958	0.00109646
62	0.00058892	0.00168538
63	0.00086001	0.00254538
64	0.0012329	0.00377829
65	0.00173555	0.00551384
66	0.00239953	0.00791336
67	0.00325906	0.01117242
68	0.0043494	0.01552182
69	0.00570465	0.02122648

70	0.00735493	0.02858141
71	0.00932315	0.03790456
72	0.01162156	0.04952612
73	0.01424836	0.06377448
74	0.01718467	0.08095915
75	0.02039248	0.10135163
76	0.02381359	0.12516522
77	0.02737016	0.15253538
78	0.03096688	0.18350226
79	0.03449475	0.21799701
80	0.03783643	0.25583344
81	0.04087269	0.29670613
82	0.04348954	0.34019567
83	0.04558542	0.38578108
84	0.0470778	0.43285888
85	0.04790858	0.48076747
86	0.04804785	0.52881532
87	0.04749558	0.5763109
88	0.0462812	0.6225921
89	0.04446116	0.66705325
90	0.04211459	0.70916785
91	0.03933781	0.74850566
92	0.03623782	0.78474347
93	0.03292576	0.81766923
94	0.02951059	0.84717982
95	0.02609357	0.87327339
96	0.02276392	0.89603731
97	0.01959575	0.91563306
98	0.01664639	0.93227945
99	0.01395606	0.94623551
100	0.01154864	0.95778416
101	0.0094333	0.96721745
102	0.00760675	0.9748242
103	0.00605586	0.98088007
104	0.00476026	0.98564032
105	0.00369487	0.98933519
106	0.00283215	0.99216734
107	0.00214396	0.9943113
108	0.00160301	0.99591431
109	0.00118387	0.99709818
110	0.00086369	0.99796187
111	0.00062248	0.99858435
112	0.00044324	0.99902759
113	0.00031184	0.99933943
114	0.00021678	0.99955621
115	0.00014892	0.99970513
116	0.0001011	0.99980622

117	0.00006783	0.99987405
118	0.00004498	0.99991903
119	0.00002948	0.99994852
120	0.0000191	0.99996762
121	0.00001224	0.99997986
122	0.00000775	0.9999876
123	0.00000485	0.99999245
124	0.000003	0.99999546
125	0.00000184	0.99999729
126	0.00000111	0.9999984
127	6.7e-7	0.99999907
128	3.9e-7	0.99999946
129	2.3e-7	0.99999969
130	1.3e-7	0.99999983
131	8e-8	0.9999999
132	4e-8	0.99999995
133	2e-8	0.99999997
134	1e-8	0.99999998
135	1e-8	0.99999999
136	0	1
...
430	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 430
Erwartungswert: $\mu = 86$		
Standardabweichung: $\sigma = 8.295$		
1 σ -Intervall: $p(78 \leq X \leq 94) = 0.69464444$		
2 σ -Intervall: $p(70 \leq X \leq 102) = 0.95359773$		
3 σ -Intervall: $p(62 \leq X \leq 110) = 0.99686541$		

p = 0.2		n = 440
k	p(X=k)	p(x≤k)
0	0	0
...
43	0	0
44	1e-8	1e-8
45	1e-8	2e-8
46	3e-8	5e-8
47	6e-8	1.1e-7
48	1.2e-7	2.4e-7
49	2.5e-7	4.9e-7
50	4.9e-7	9.8e-7
51	9.3e-7	0.00000191

52	0.00000175	0.00000366
53	0.0000032	0.00000686
54	0.00000573	0.00001258
55	0.00001005	0.00002264
56	0.00001727	0.00003991
57	0.00002909	0.000069
58	0.00004803	0.00011704
59	0.00007774	0.00019478
60	0.00012342	0.0003182
61	0.00019221	0.00051041
62	0.00029374	0.00080415
63	0.00044061	0.00124476
64	0.00064887	0.00189363
65	0.00093837	0.002832
66	0.00133291	0.0041649
67	0.0018601	0.006025
68	0.0025508	0.0085758
69	0.00343803	0.01201383
70	0.00455539	0.01656922
71	0.00593484	0.02250407
72	0.00760402	0.03010808
73	0.00958314	0.03969123
74	0.0118818	0.05157303
75	0.0144958	0.06606883
76	0.0174045	0.08347333
77	0.02056895	0.10404228
78	0.02393118	0.12797346
79	0.02741484	0.1553883
80	0.03092736	0.18631566
81	0.03436374	0.2206794
82	0.03761153	0.25829092
83	0.04055701	0.29884793
84	0.04309182	0.34193976
85	0.04511967	0.38705943
86	0.04656245	0.43362188
87	0.04736525	0.48098713
88	0.04749981	0.52848695
89	0.04696611	0.57545306
90	0.04579196	0.62124501
91	0.04403073	0.66527574
92	0.0417574	0.70703314
93	0.03906338	0.74609652
94	0.03605051	0.78214702
95	0.03282494	0.81497196
96	0.02949115	0.84446312
97	0.0261468	0.87060991
98	0.02287845	0.89348836

99	0.01975866	0.91324702
100	0.01684426	0.93009127
101	0.01417586	0.94426713
102	0.01177847	0.9560456
103	0.00966292	0.96570853
104	0.00782789	0.97353642
105	0.00626232	0.97979874
106	0.00494782	0.98474656
107	0.00386115	0.98860771
108	0.0029763	0.99158401
109	0.00226636	0.99385037
110	0.00170492	0.99555529
111	0.00126717	0.99682246
112	0.00093058	0.99775304
113	0.00067529	0.99842832
114	0.00048425	0.99891258
115	0.00034319	0.99925576
116	0.00024038	0.99949614
117	0.00016642	0.99966256
118	0.00011388	0.99977644
119	0.00007704	0.99985348
120	0.00005152	0.999905
121	0.00003406	0.99993906
122	0.00002227	0.99996133
123	0.00001439	0.99997572
124	0.0000092	0.99998491
125	0.00000581	0.99999073
126	0.00000363	0.99999436
127	0.00000225	0.99999661
128	0.00000137	0.99999798
129	8.3e-7	0.99999881
130	5e-7	0.99999931
131	2.9e-7	0.9999996
132	1.7e-7	0.99999977
133	1e-7	0.99999987
134	6e-8	0.99999993
135	3e-8	0.99999996
136	2e-8	0.99999998
137	1e-8	0.99999999
138	1e-8	0.99999999
139	0	1
...
440	0	1
k	p(X=k)	p(x≤k)
	p = 0.2	n = 440
Erwartungswert: $\mu = 88$		

Standardabweichung: $\sigma = 8.39$
1 σ -Intervall: $p(80 \leq X \leq 96) = 0.68907482$
2 σ -Intervall: $p(72 \leq X \leq 104) = 0.95103235$
3 σ -Intervall: $p(63 \leq X \leq 113) = 0.99762417$

p = 0.2		n = 450
k	p(X=k)	p(x≤k)
0	0	0
...
44	0	0
45	0	1e-8
46	1e-8	2e-8
47	2e-8	4e-8
48	4e-8	8e-8
49	9e-8	1.6e-7
50	1.7e-7	3.4e-7
51	3.4e-7	6.8e-7
52	6.5e-7	0.00000132
53	0.00000122	0.00000254
54	0.00000224	0.00000478
55	0.00000403	0.00000881
56	0.00000711	0.00001592
57	0.00001228	0.0000282
58	0.00002081	0.00004901
59	0.00003456	0.00008357
60	0.0000563	0.00013988
61	0.00009	0.00022987
62	0.00014116	0.00037103
63	0.00021735	0.00058838
64	0.00032857	0.00091695
65	0.00048779	0.00140474
66	0.00071137	0.0021161
67	0.00101927	0.00313537
68	0.00143522	0.0045706
69	0.00198643	0.00655702
70	0.00270296	0.00925999
71	0.00361664	0.01287663
72	0.0047594	0.01763603
73	0.00616114	0.02379717
74	0.00784713	0.03164429
75	0.00983507	0.04147936
76	0.01213207	0.05361143
77	0.0147318	0.06834323
78	0.01761206	0.08595529

79	0.02073318	0.10668847
80	0.02403753	0.130726
81	0.02745027	0.15817627
82	0.03088155	0.18905782
83	0.03423015	0.22328797
84	0.03738829	0.26067626
85	0.0402474	0.30092366
86	0.04270436	0.34362802
87	0.04466778	0.3882958
88	0.04606365	0.43435944
89	0.04684	0.48119944
90	0.04697011	0.52816956
91	0.04645396	0.57462351
92	0.04531785	0.61994137
93	0.04361234	0.66355371
94	0.04140853	0.70496224
95	0.03879325	0.74375549
96	0.03586355	0.77961904
97	0.03272087	0.81233991
98	0.02946548	0.84180539
99	0.02619154	0.86799693
100	0.02298307	0.89098
101	0.01991108	0.91089108
102	0.01703178	0.92792286
103	0.01438607	0.94230893
104	0.01199992	0.95430884
105	0.00988565	0.96419449
106	0.00804374	0.97223823
107	0.00646507	0.9787033
108	0.00513314	0.98383644
109	0.00402646	0.9878629
110	0.0031205	0.9909834
111	0.00238957	0.99337298
112	0.00180818	0.99518116
113	0.00135214	0.99653329
114	0.00099928	0.99753257
115	0.00072991	0.99826248
116	0.00052698	0.99878946
117	0.00037609	0.99916555
118	0.00026534	0.99943089
119	0.00018507	0.99961595
120	0.00012762	0.99974357
121	0.00008701	0.99983058
122	0.00005866	0.99988925
123	0.00003911	0.99992835
124	0.00002578	0.99995414
125	0.00001681	0.99997095

126	0.00001084	0.99998179
127	0.00000691	0.9999887
128	0.00000436	0.99999306
129	0.00000272	0.99999578
130	0.00000168	0.99999747
131	0.00000103	0.99999849
132	6.2e-7	0.99999911
133	3.7e-7	0.99999948
134	2.2e-7	0.9999997
135	1.3e-7	0.99999983
136	7e-8	0.9999999
137	4e-8	0.99999995
138	2e-8	0.99999997
139	1e-8	0.99999998
140	1e-8	0.99999999
141	0	1
...
450	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 450
Erwartungswert: $\mu = 90$		
Standardabweichung: $\sigma = 8.485$		
1σ-Intervall: $p(82 \leq X \leq 98) = 0.68362913$		
2σ-Intervall: $p(74 \leq X \leq 106) = 0.94844107$		
3σ-Intervall: $p(65 \leq X \leq 115) = 0.99734553$		

p = 0.2		n = 460
k	p(X=k)	p(x≤k)
0	0	0
...
45	0	0
46	0	1e-8
47	1e-8	1e-8
48	1e-8	3e-8
49	3e-8	5e-8
50	6e-8	1.1e-7
51	1.2e-7	2.3e-7
52	2.3e-7	4.7e-7
53	4.5e-7	9.2e-7
54	8.5e-7	0.00000177
55	0.00000157	0.00000333
56	0.00000283	0.00000617
57	0.00000502	0.00001119

58	0.00000872	0.00001991
59	0.00001486	0.00003477
60	0.00002483	0.0000596
61	0.0000407	0.00010029
62	0.00006548	0.00016577
63	0.00010341	0.00026918
64	0.00016037	0.00042955
65	0.00024425	0.0006738
66	0.00036545	0.00103926
67	0.00053727	0.00157653
68	0.00077628	0.00235281
69	0.00110254	0.00345535
70	0.00153962	0.00499497
71	0.00211427	0.00710924
72	0.00285573	0.00996498
73	0.0037946	0.01375958
74	0.00496119	0.01872077
75	0.0063834	0.02510416
76	0.00808423	0.0331884
77	0.01007905	0.04326744
78	0.01237267	0.05564012
79	0.01495684	0.07059696
80	0.01780799	0.08840495
81	0.02088591	0.10929086
82	0.02413342	0.13342427
83	0.0274772	0.16090148
84	0.03083008	0.19173155
85	0.03409444	0.22582599
86	0.0371669	0.26299289
87	0.03994374	0.30293663
88	0.04232674	0.34526337
89	0.04422907	0.38949244
90	0.04558051	0.43507296
91	0.04633184	0.4814048
92	0.04645774	0.52786254
93	0.0459582	0.57382074
94	0.04485813	0.61867887
95	0.04320547	0.66188434
96	0.0410677	0.70295203
97	0.03852743	0.74147946
98	0.03567718	0.77715664
99	0.03261399	0.80977063
100	0.02943413	0.83920476
101	0.02622843	0.86543319
102	0.02307845	0.88851163
103	0.0200536	0.90856524
104	0.01720946	0.9257747

105	0.01458707	0.94036176
106	0.01221323	0.95257499
107	0.0101016	0.96267659
108	0.00825431	0.9709309
109	0.00666403	0.97759493
110	0.00531608	0.98291101
111	0.0041906	0.98710162
112	0.00326456	0.99036617
113	0.00251342	0.99287959
114	0.00191262	0.99479221
115	0.00143863	0.99623084
116	0.00106967	0.99730051
117	0.00078625	0.99808676
118	0.00057136	0.99865812
119	0.00041052	0.99906864
120	0.00029164	0.99936028
121	0.00020487	0.99956515
122	0.00014232	0.99970747
123	0.00009777	0.99980524
124	0.00006643	0.99987167
125	0.00004464	0.99991631
126	0.00002967	0.99994598
127	0.00001951	0.99996549
128	0.00001269	0.99997818
129	0.00000816	0.99998634
130	0.0000052	0.99999154
131	0.00000327	0.99999481
132	0.00000204	0.99999685
133	0.00000126	0.99999811
134	7.7e-7	0.99999887
135	4.6e-7	0.99999934
136	2.8e-7	0.99999961
137	1.6e-7	0.99999978
138	1e-7	0.99999987
139	6e-8	0.99999993
140	3e-8	0.99999996
141	2e-8	0.99999998
142	1e-8	0.99999999
143	1e-8	0.99999999
144	0	1
...
460	0	1
k	p(X=k)	p(x≤k)
	p = 0.2	n = 460
Erwartungswert: $\mu = 92$		
Standardabweichung: $\sigma = 8.579$		

1σ -Intervall: $p(84 \leq X \leq 100) = 0.67830328$
2σ -Intervall: $p(75 \leq X \leq 109) = 0.95887416$
3σ -Intervall: $p(67 \leq X \leq 117) = 0.9970475$

p = 0.2		n = 470
k	p(X=k)	p(x≤k)
0	0	0
...
47	0	0
48	0	1e-8
49	1e-8	2e-8
50	2e-8	4e-8
51	4e-8	8e-8
52	8e-8	1.6e-7
53	1.6e-7	3.2e-7
54	3.1e-7	6.4e-7
55	5.9e-7	0.00000123
56	0.0000011	0.00000232
57	0.00000199	0.00000431
58	0.00000354	0.00000786
59	0.00000619	0.00001405
60	0.0000106	0.00002464
61	0.0000178	0.00004244
62	0.00002936	0.0000718
63	0.00004754	0.00011934
64	0.00007558	0.00019492
65	0.00011802	0.00031293
66	0.00018105	0.00049398
67	0.00027292	0.0007669
68	0.00040437	0.00117127
69	0.00058897	0.00176024
70	0.00084349	0.00260372
71	0.00118801	0.00379173
72	0.00164589	0.00543762
73	0.00224337	0.00768099
74	0.00300884	0.01068982
75	0.00397167	0.01466149
76	0.00516055	0.01982205
77	0.00660149	0.02642354
78	0.00831534	0.03473887
79	0.01031523	0.0450541
80	0.01260392	0.05765802
81	0.01517138	0.07282941
82	0.01799289	0.0908223

83	0.02102784	0.11185014
84	0.02421956	0.1360697
85	0.02749633	0.16356603
86	0.03077351	0.19433953
87	0.03395697	0.22829651
88	0.0369475	0.26524401
89	0.03964591	0.30488992
90	0.04195859	0.34684851
91	0.04380293	0.39065144
92	0.04511225	0.43576369
93	0.04583987	0.48160356
94	0.04596178	0.52756535
95	0.04547798	0.57304332
96	0.04441209	0.61745541
97	0.04280959	0.660265
98	0.04073463	0.70099963
99	0.03826587	0.7392655
100	0.03549159	0.77475709
101	0.03250468	0.80726177
102	0.02939761	0.83665938
103	0.02625806	0.86291744
104	0.02316516	0.88608261
105	0.02018679	0.90626939
106	0.01737778	0.92364717
107	0.01477923	0.9384264
108	0.01241866	0.95084506
109	0.0103109	0.96115596
110	0.00845963	0.96961559
111	0.00685916	0.97647475
112	0.00549651	0.98197126
113	0.00435343	0.9863247
114	0.00340828	0.98973297
115	0.00263771	0.99237069
116	0.00201808	0.99438876
117	0.00152649	0.99591526
118	0.00114164	0.99705689
119	0.00084424	0.99790113
120	0.00061735	0.99851848
121	0.00044643	0.99896491
122	0.00031927	0.99928418
123	0.00022582	0.99951
124	0.00015799	0.99966799
125	0.00010933	0.99977731
126	0.00007484	0.99985215
127	0.00005068	0.99990283
128	0.00003395	0.99993678
129	0.0000225	0.99995928

130	0.00001476	0.99997403
131	0.00000957	0.99998361
132	0.00000615	0.99998976
133	0.00000391	0.99999366
134	0.00000246	0.99999612
135	0.00000153	0.99999764
136	9.4e-7	0.99999859
137	5.7e-7	0.99999916
138	3.5e-7	0.9999995
139	2.1e-7	0.99999971
140	1.2e-7	0.99999983
141	7e-8	0.9999999
142	4e-8	0.99999995
143	2e-8	0.99999997
144	1e-8	0.99999998
145	1e-8	0.99999999
146	0	0.99999999
147	0	1
...
470	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 470
Erwartungswert: $\mu = 94$		
Standardabweichung: $\sigma = 8.672$		
1σ-Intervall: $p(86 \leq X \leq 102) = 0.67309336$		
2σ-Intervall: $p(77 \leq X \leq 111) = 0.9566527$		
3σ-Intervall: $p(68 \leq X \leq 120) = 0.99775157$		

p = 0.2		n = 480
k	p(X=k)	p(x≤k)
0	0	0
...
48	0	0
49	0	1e-8
50	1e-8	1e-8
51	1e-8	3e-8
52	3e-8	5e-8
53	6e-8	1.1e-7
54	1.1e-7	2.2e-7
55	2.2e-7	4.4e-7
56	4.1e-7	8.5e-7
57	7.7e-7	0.00000162
58	0.0000014	0.00000302

59	0.0000025	0.00000551
60	0.00000438	0.0000099
61	0.00000755	0.00001744
62	0.00001275	0.00003019
63	0.00002115	0.00005134
64	0.00003444	0.00008578
65	0.00005511	0.00014089
66	0.00008663	0.00022753
67	0.00013383	0.00036136
68	0.0002032	0.00056456
69	0.00030333	0.00086789
70	0.00044525	0.00131314
71	0.00064279	0.00195594
72	0.00091285	0.00286879
73	0.00127549	0.00414428
74	0.0017538	0.00589808
75	0.00237348	0.00827156
76	0.00316203	0.01143359
77	0.0041476	0.0155812
78	0.00535732	0.02093852
79	0.00681533	0.02775385
80	0.00854046	0.0362943
81	0.01054377	0.04683808
82	0.01282612	0.0596642
83	0.01537589	0.07504008
84	0.01816734	0.09320742
85	0.02115961	0.11436703
86	0.02429664	0.13866368
87	0.02750827	0.16617195
88	0.03071236	0.19688431
89	0.0338181	0.23070241
90	0.03673022	0.26743262
91	0.0393538	0.30678643
92	0.04159954	0.34838596
93	0.04338876	0.39177473
94	0.04465812	0.43643285
95	0.04536324	0.48179609
96	0.04548138	0.52727747
97	0.0450125	0.57228997
98	0.04397905	0.61626901
99	0.04242423	0.65869325
100	0.04040908	0.69910233
101	0.03800854	0.73711087
102	0.03530695	0.77241783
103	0.03239327	0.8048111
104	0.0293564	0.8341675
105	0.02628097	0.86044848

106	0.02324378	0.88369226
107	0.02031116	0.90400342
108	0.01753718	0.9215406
109	0.01496291	0.93650351
110	0.01261646	0.94911997
111	0.01051371	0.95963368
112	0.00865973	0.96829342
113	0.0070504	0.97534382
114	0.00567434	0.98101816
115	0.0045148	0.98553296
116	0.00355151	0.98908447
117	0.00276229	0.99184676
118	0.00212439	0.99397114
119	0.0016156	0.99558675
120	0.00121507	0.99680182
121	0.00090377	0.99770559
122	0.00066486	0.99837045
123	0.00048378	0.99885423
124	0.00034821	0.99920244
125	0.00024792	0.99945036
126	0.00017463	0.99962499
127	0.00012169	0.99974668
128	0.0000839	0.99983058
129	0.00005723	0.99988781
130	0.00003863	0.99992645
131	0.0000258	0.99995225
132	0.00001706	0.99996931
133	0.00001116	0.99998046
134	0.00000722	0.99998769
135	0.00000463	0.99999232
136	0.00000294	0.99999525
137	0.00000184	0.99999709
138	0.00000114	0.99999824
139	7e-7	0.99999894
140	4.3e-7	0.99999937
141	2.6e-7	0.99999963
142	1.5e-7	0.99999978
143	9e-8	0.99999988
144	5e-8	0.99999993
145	3e-8	0.99999996
146	2e-8	0.99999998
147	1e-8	0.99999999
148	1e-8	0.99999999
149	0	1
...
480	0	1
k	p(X=k)	p(x≤k)

p = 0.2	n = 480
Erwartungswert: $\mu = 96$	
Standardabweichung: $\sigma = 8.764$	
1 σ -Intervall: $p(88 \leq X \leq 104) = 0.66799556$	
2 σ -Intervall: $p(79 \leq X \leq 113) = 0.9544053$	
3 σ -Intervall: $p(70 \leq X \leq 122) = 0.99750256$	

p = 0.2		n = 490
k	p(X=k)	p(x≤k)
0	0	0
...
50	0	0
51	0	1e-8
52	1e-8	2e-8
53	2e-8	4e-8
54	4e-8	8e-8
55	8e-8	1.5e-7
56	1.5e-7	3e-7
57	2.9e-7	5.9e-7
58	5.4e-7	0.00000113
59	9.8e-7	0.00000211
60	0.00000176	0.00000387
61	0.0000031	0.00000697
62	0.00000537	0.00001234
63	0.00000912	0.00002145
64	0.0000152	0.00003666
65	0.00002491	0.00006157
66	0.0000401	0.00010167
67	0.00006345	0.00016512
68	0.00009867	0.00026379
69	0.00015087	0.00041466
70	0.00022684	0.00064149
71	0.00033546	0.00097696
72	0.00048805	0.00146501
73	0.00069865	0.00216366
74	0.00098425	0.0031479
75	0.00136482	0.00451273
76	0.00186316	0.00637589
77	0.00250438	0.00888027
78	0.00331509	0.01219536
79	0.00432221	0.01651757
80	0.00555134	0.02206891
81	0.00702484	0.02909375

82	0.00875964	0.03785339
83	0.01076485	0.04861824
84	0.01303957	0.06165781
85	0.01557078	0.07722859
86	0.01833188	0.09556046
87	0.02128183	0.1168423
88	0.02436528	0.14120758
89	0.0275136	0.16872118
90	0.0306471	0.19936828
91	0.03367813	0.23304641
92	0.03651515	0.26956156
93	0.03906728	0.30862884
94	0.04124923	0.34987806
95	0.04298604	0.3928641
96	0.04421741	0.43708151
97	0.04490118	0.4819827
98	0.04501573	0.52699842
99	0.04456102	0.57155945
100	0.0435584	0.61511785
101	0.04204895	0.6571668
102	0.04009079	0.69725759
103	0.0377554	0.73501299
104	0.03512342	0.7701364
105	0.03228009	0.8024165
106	0.02931093	0.83172743
107	0.02629766	0.85802509
108	0.02331482	0.88133991
109	0.02042721	0.90176712
110	0.0176881	0.91945522
111	0.01513847	0.93459369
112	0.01280687	0.94740056
113	0.01071017	0.95811073
114	0.00885468	0.96696542
115	0.00723774	0.97420316
116	0.00584947	0.98005262
117	0.00467457	0.9847272
118	0.0036941	0.9884213
119	0.00288699	0.99130829
120	0.0022314	0.99353969
121	0.00170582	0.99524551
122	0.00128985	0.99653536
123	0.00096477	0.99750013
124	0.00071385	0.99821398
125	0.00052254	0.99873652
126	0.00037843	0.99911495
127	0.00027116	0.9993861
128	0.00019225	0.99957835

129	0.00013487	0.99971322
130	0.00009363	0.99980685
131	0.00006433	0.99987118
132	0.00004374	0.99991491
133	0.00002943	0.99994434
134	0.0000196	0.99996395
135	0.00001292	0.99997687
136	0.00000843	0.9999853
137	0.00000545	0.99999075
138	0.00000348	0.99999424
139	0.00000221	0.99999644
140	0.00000138	0.99999782
141	8.6e-7	0.99999868
142	5.3e-7	0.99999921
143	3.2e-7	0.99999953
144	1.9e-7	0.99999972
145	1.2e-7	0.99999984
146	7e-8	0.99999991
147	4e-8	0.99999995
148	2e-8	0.99999997
149	1e-8	0.99999998
150	1e-8	0.99999999
151	0	0.99999999
152	0	1
...
490	0	1
k	p(X=k)	p(x≤k)
p = 0.2		n = 490
Erwartungswert: $\mu = 98$		
Standardabweichung: $\sigma = 8.854$		
1σ-Intervall: $p(90 \leq X \leq 106) = 0.66300625$		
2σ-Intervall: $p(81 \leq X \leq 115) = 0.95213425$		
3σ-Intervall: $p(72 \leq X \leq 124) = 0.99723703$		

p = 0.2		n = 500
k	p(X=k)	p(x≤k)
0	0	0
...
51	0	0
52	0	1e-8
53	1e-8	1e-8
54	1e-8	3e-8
55	3e-8	5e-8

56	5e-8	1.1e-7
57	1e-7	2.1e-7
58	2e-7	4.1e-7
59	3.7e-7	7.8e-7
60	6.9e-7	0.00000147
61	0.00000124	0.00000271
62	0.00000219	0.0000049
63	0.00000381	0.00000872
64	0.00000651	0.00001523
65	0.00001092	0.00002614
66	0.00001799	0.00004413
67	0.00002913	0.00007325
68	0.00004636	0.00011962
69	0.00007257	0.00019219
70	0.00011171	0.00030389
71	0.00016913	0.00047303
72	0.00025194	0.00072497
73	0.00036928	0.00109425
74	0.00053271	0.00162696
75	0.00075645	0.00238341
76	0.00105754	0.00344095
77	0.00145583	0.00489678
78	0.00197377	0.00687056
79	0.00263586	0.00950642
80	0.00346781	0.01297422
81	0.0044953	0.01746953
82	0.00574248	0.023212
83	0.00722998	0.03044198
84	0.00897293	0.03941491
85	0.01097864	0.05039355
86	0.01324458	0.06363813
87	0.01575648	0.07939461
88	0.01848701	0.09788162
89	0.02139508	0.1192767
90	0.02442605	0.14370275
91	0.02751286	0.17121561
92	0.03057815	0.20179376
93	0.03353732	0.23533108
94	0.03630237	0.27163345
95	0.03878621	0.31041966
96	0.04090734	0.351327
97	0.04259424	0.39392124
98	0.04378948	0.43771072
99	0.04445296	0.48216368
100	0.04456409	0.52672777
101	0.04412286	0.57085063
102	0.04314957	0.6140002

103	0.04168332	0.65568352
104	0.03977951	0.69546303
105	0.0375064	0.73296943
106	0.0349411	0.76791053
107	0.03216541	0.80007594
108	0.02926159	0.82933752
109	0.02630858	0.8556461
110	0.02337876	0.87902486
111	0.0205354	0.89956026
112	0.01783096	0.91739122
113	0.01530622	0.93269745
114	0.01299015	0.94568759
115	0.01090043	0.95658802
116	0.00904454	0.96563256
117	0.00742116	0.97305372
118	0.00602183	0.97907555
119	0.00483265	0.9839082
120	0.00383591	0.98774411
121	0.00301167	0.99075578
122	0.00233898	0.99309475
123	0.00179702	0.99489177
124	0.00136588	0.99625765
125	0.00102714	0.9972848
126	0.00076424	0.99804904
127	0.00056265	0.99861169
128	0.0004099	0.99902159
129	0.00029551	0.9993171
130	0.00021083	0.99952793
131	0.00014887	0.99967681
132	0.00010404	0.99978085
133	0.00007197	0.99985282
134	0.00004928	0.99990209
135	0.0000334	0.99993549
136	0.00002241	0.9999579
137	0.00001488	0.99997278
138	0.00000979	0.99998257
139	0.00000637	0.99998895
140	0.00000411	0.99999305
141	0.00000262	0.99999568
142	0.00000166	0.99999733
143	0.00000104	0.99999837
144	6.4e-7	0.99999901
145	3.9e-7	0.99999941
146	2.4e-7	0.99999965
147	1.4e-7	0.99999979
148	9e-8	0.99999988
149	5e-8	0.99999993

150	3e-8	0.99999996
151	2e-8	0.99999998
152	1e-8	0.99999999
153	1e-8	0.99999999
154	0	1
...
500	0	1
k	p(X=k)	p(x≤k)
	p = 0.2	n = 500
Erwartungswert: $\mu = 100$		
Standardabweichung: $\sigma = 8.944$		
1 σ -Intervall: $p(92 \leq X \leq 108) = 0.65812191$		
2 σ -Intervall: $p(83 \leq X \leq 117) = 0.94984172$		
3 σ -Intervall: $p(74 \leq X \leq 126) = 0.99695479$		

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