Michael Buhlmann

Mathematik > Wahrscheinlichkeitstafeln > Binomialverteilung

Wahrscheinlichkeitstafel: Binomialverteilung B(1, 0.1) bis B(100, 0.1) (Schrittweite 1)

1- bis 99-malig durchgeführtes Bernoulli-Experiment (T = Treffer, N = Nichttreffer) mit Trefferwahrscheinlichkeit p = 0.1, binomialverteilte Zufallsvariable X als Anzahl k des Auftretens von T mit p(X=k), p(X≤k) (kumuliert), Erwartungswert μ, Standardabweichung σ, 1σ-, 2σ-, 3σ-Intervalle

p = 0.1		**n = 1**
k	**p(X=k)**	**p(x≤k)**
0	0.9	0.9
1	0.1	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 1**

Erwartungswert:
μ = 0.1

Standardabweichung:
σ = 0.3

1σ-Intervall:
p(0≤X≤0) = 0.9

2σ-Intervall:
p(0≤X≤0) = 0.9

3σ-Intervall:
p(0≤X≤1) = 1

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p = 0.1		**n = 2**
k	**p(X=k)**	**p(x≤k)**
0	0.81	0.81
1	0.18	0.99
2	0.01	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 2**

Erwartungswert:
μ = 0.2

Standardabweichung:
σ = 0.424

1σ-Intervall:
p(0≤X≤0) = 0.81

2σ-Intervall:
p(0≤X≤1) = 0.99

3σ-Intervall:
p(0≤X≤1) = 0.99

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p = 0.1		**n = 3**
k	**p(X=k)**	**p(x≤k)**
0	0.729	0.729
1	0.243	0.972
2	0.027	0.999
3	0.001	1
k	**p(X=k)**	**p(x≤k)**

p = 0.1	n = 3
Erwartungswert: μ = 0.3	
Standardabweichung: σ = 0.52	
1σ-Intervall: p(0≤X≤0) = 0.729	
2σ-Intervall: p(0≤X≤1) = 0.972	
3σ-Intervall: p(0≤X≤1) = 0.972	

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p = 0.1		n = 4
k	**p(X=k)**	**p(x≤k)**
0	0.6561	0.6561
1	0.2916	0.9477
2	0.0486	0.9963
3	0.0036	0.9999
4	0.0001	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 4**
Erwartungswert: μ = 0.4		
Standardabweichung: σ = 0.6		
1σ-Intervall: p(0≤X≤1) = 0.9477		
2σ-Intervall: p(0≤X≤1) = 0.9477		
3σ-Intervall: p(0≤X≤2) = 0.9963		

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p = 0.1		n = 5
k	**p(X=k)**	**p(x≤k)**
0	0.59049	0.59049
1	0.32805	0.91854
2	0.0729	0.99144
3	0.0081	0.99954
4	0.00045	0.99999
5	0.00001	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 5**
Erwartungswert: μ = 0.5		
Standardabweichung: σ = 0.671		
1σ-Intervall: p(0≤X≤1) = 0.91854		
2σ-Intervall: p(0≤X≤1) = 0.91854		

3σ-Intervall: p(0≤X≤2) = 0.99144

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p = 0.1		n = 6
k	**p(X=k)**	**p(x≤k)**
0	0.531441	0.531441
1	0.354294	0.885735
2	0.098415	0.98415
3	0.01458	0.99873
4	0.001215	0.999945
5	0.000054	0.999999
6	0.000001	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 6**
Erwartungswert: μ = 0.6		
Standardabweichung: σ = 0.735		
1σ-Intervall: p(0≤X≤1) = 0.885735		
2σ-Intervall: p(0≤X≤2) = 0.98415		
3σ-Intervall: p(0≤X≤2) = 0.98415		

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p = 0.1		n = 7
k	**p(X=k)**	**p(x≤k)**
0	0.4782969	0.4782969
1	0.3720087	0.8503056
2	0.1240029	0.9743085
3	0.0229635	0.997272
4	0.0025515	0.9998235
5	0.0001701	0.9999936
6	0.0000063	0.9999999
7	1e-7	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 7**
Erwartungswert: μ = 0.7		
Standardabweichung: σ = 0.794		
1σ-Intervall: p(0≤X≤1) = 0.8503056		
2σ-Intervall: p(0≤X≤2) = 0.9743085		
3σ-Intervall: p(0≤X≤3) = 0.997272		

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p = 0.1		n = 8
k	**p(X=k)**	**p(x≤k)**
0	0.43046721	0.43046721
1	0.38263752	0.81310473
2	0.14880348	0.96190821
3	0.03306744	0.99497565
4	0.0045927	0.99956835
5	0.00040824	0.99997659
6	0.00002268	0.99999927
7	7.2e-7	0.99999999
8	1e-8	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 8**

Erwartungswert:
μ = 0.8

Standardabweichung:
σ = 0.849

1σ-Intervall:
p(0≤X≤1) = 0.81310473

2σ-Intervall:
p(0≤X≤2) = 0.96190821

3σ-Intervall:
p(0≤X≤3) = 0.99497565

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p = 0.1		n = 9
k	**p(X=k)**	**p(x≤k)**
0	0.38742049	0.38742049
1	0.38742049	0.77484098
2	0.17218688	0.94702786
3	0.04464104	0.99166891
4	0.00744017	0.99910908
5	0.00082669	0.99993577
6	0.00006124	0.999997
7	0.00000292	0.99999992
8	8e-8	1
9	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 9**

Erwartungswert:
μ = 0.9

Standardabweichung:
σ = 0.9

1σ-Intervall:
p(0≤X≤1) = 0.77484098

2σ-Intervall:
p(0≤X≤2) = 0.94702786

3σ-Intervall:
p(0≤X≤3) = 0.99166891

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p = 0.1		n = 10
k	**p(X=k)**	**p(x≤k)**
0	0.34867844	0.34867844
1	0.38742049	0.73609893
2	0.19371024	0.92980917
3	0.05739563	0.9872048
4	0.01116026	0.99836506
5	0.00148803	0.9998531
6	0.00013778	0.99999088
7	0.00000875	0.99999963
8	3.6e-7	0.99999999
9	1e-8	1
10	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 10**

Erwartungswert:
μ = 1

Standardabweichung:
σ = 0.949

1σ-Intervall:
p(1≤X≤1) = 0.38742049

2σ-Intervall:
p(0≤X≤2) = 0.92980917

3σ-Intervall:
p(0≤X≤3) = 0.9872048

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p = 0.1		n = 11
k	**p(X=k)**	**p(x≤k)**
0	0.3138106	0.3138106
1	0.38354628	0.69735688
2	0.21308127	0.91043815
3	0.07102709	0.98146524
4	0.0157838	0.99724904
5	0.00245526	0.99970429
6	0.00027281	0.9999771
7	0.00002165	0.99999875
8	0.0000012	0.99999995
9	4e-8	1
10	0	1
11	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 11**

Erwartungswert:
μ = 1.1

Standardabweichung:
σ = 0.995

1σ-Intervall:
p(1≤X≤2) = 0.59662755

2σ-Intervall:
p(0≤X≤3) = 0.98146524

3σ-Intervall: p(0≤X≤4) = 0.99724904

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p = 0.1		n = 12
k	**p(X=k)**	**p(x≤k)**
0	0.28242954	0.28242954
1	0.37657272	0.65900225
2	0.23012777	0.88913002
3	0.08523251	0.97436253
4	0.02130813	0.99567066
5	0.00378811	0.99945877
6	0.00049105	0.99994982
7	0.00004677	0.99999659
8	0.00000325	0.99999983
9	1.6e-7	0.99999999
10	1e-8	1
11	0	1
12	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 12**
Erwartungswert: μ = 1.2		
Standardabweichung: σ = 1.039		
1σ-Intervall: p(1≤X≤2) = 0.60670049		
2σ-Intervall: p(0≤X≤3) = 0.97436253		
3σ-Intervall: p(0≤X≤4) = 0.99567066		

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p = 0.1		n = 13
k	**p(X=k)**	**p(x≤k)**
0	0.25418658	0.25418658
1	0.3671584	0.62134498
2	0.24477226	0.86611725
3	0.09972203	0.96583928
4	0.02770056	0.99353984
5	0.00554011	0.99907996
6	0.00082076	0.99990071
7	0.0000912	0.99999191
8	0.0000076	0.99999951
9	4.7e-7	0.99999998
10	2e-8	1
11	0	1
12	0	1
13	0	1
k	**p(X=k)**	**p(x≤k)**

p = 0.1	n = 13
Erwartungswert: μ = 1.3	
Standardabweichung: σ = 1.082	
1σ-Intervall: p(1≤X≤2) = 0.61193066	
2σ-Intervall: p(0≤X≤3) = 0.96583928	
3σ-Intervall: p(0≤X≤4) = 0.99353984	

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p = 0.1		n = 14
k	**p(X=k)**	**p(x≤k)**
0	0.22876792	0.22876792
1	0.35586122	0.58462914
2	0.25701088	0.84164002
3	0.11422706	0.95586708
4	0.03490271	0.99076979
5	0.00775616	0.99852595
6	0.00129269	0.99981864
7	0.00016415	0.99998279
8	0.00001596	0.99999875
9	0.00000118	0.99999993
10	7e-8	1
11	0	1
12	0	1
13	0	1
14	0	1
k	**p(X=k)**	**p(x≤k)**

p = 0.1	n = 14
Erwartungswert: μ = 1.4	
Standardabweichung: σ = 1.122	
1σ-Intervall: p(1≤X≤2) = 0.61287209	
2σ-Intervall: p(0≤X≤3) = 0.95586708	
3σ-Intervall: p(0≤X≤4) = 0.99076979	

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p = 0.1		n = 15
k	**p(X=k)**	**p(x≤k)**
0	0.20589113	0.20589113
1	0.34315189	0.54904302
2	0.26689591	0.81593893
3	0.12850544	0.94444437
4	0.04283515	0.98727952

5	0.01047081	0.99775033
6	0.00193904	0.99968937
7	0.00027701	0.99996638
8	0.00003078	0.99999715
9	0.00000266	0.99999981
10	1.8e-7	0.99999999
11	1e-8	1
12	0	1
13	0	1
14	0	1
15	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 15**
Erwartungswert: μ = 1.5		
Standardabweichung: σ = 1.162		
1σ-Intervall: p(1≤X≤2) = 0.6100478		
2σ-Intervall: p(0≤X≤3) = 0.94444437		
3σ-Intervall: p(0≤X≤4) = 0.98727952		

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p = 0.1		**n = 16**
k	**p(X=k)**	**p(x≤k)**
0	0.18530202	0.18530202
1	0.32942581	0.51472783
2	0.27452151	0.78924934
3	0.14234449	0.93159383
4	0.05140218	0.982996
5	0.01370725	0.99670325
6	0.00279222	0.99949547
7	0.00044321	0.99993867
8	0.0000554	0.99999408
9	0.00000547	0.99999955
10	4.3e-7	0.99999997
11	3e-8	1
12	0	1
13	0	1
14	0	1
15	0	1
16	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 16**
Erwartungswert: μ = 1.6		
Standardabweichung: σ = 1.2		

1σ-Intervall: p(1≤X≤2) = 0.60394732
2σ-Intervall: p(0≤X≤4) = 0.982996
3σ-Intervall: p(0≤X≤5) = 0.99670325

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p = 0.1		**n = 17**
k	**p(X=k)**	**p(x≤k)**
0	0.16677182	0.16677182
1	0.31501343	0.48178525
2	0.28001194	0.76179719
3	0.15556219	0.91735938
4	0.06049641	0.97785578
5	0.01747674	0.99533252
6	0.00388372	0.99921624
7	0.00067811	0.99989435
8	0.00009418	0.99998854
9	0.00001046	0.999999
10	9.3e-7	0.99999993
11	7e-8	1
12	0	1
13	0	1
14	0	1
15	0	1
16	0	1
17	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 17**

Erwartungswert: μ = 1.7
Standardabweichung: σ = 1.237
1σ-Intervall: p(1≤X≤2) = 0.59502537
2σ-Intervall: p(0≤X≤4) = 0.97785578
3σ-Intervall: p(0≤X≤5) = 0.99533252

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p = 0.1		**n = 18**
k	**p(X=k)**	**p(x≤k)**
0	0.15009464	0.15009464
1	0.30018927	0.45028391
2	0.28351209	0.73379599
3	0.16800716	0.90180316
4	0.07000298	0.97180614
5	0.02177871	0.99358485

6	0.00524302	0.99882787
7	0.00099867	0.99982654
8	0.00015257	0.99997912
9	0.00001884	0.99999795
10	0.00000188	0.99999984
11	1.5e-7	0.99999999
12	1e-8	1
13	0	1
14	0	1
15	0	1
16	0	1
17	0	1
18	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 18**
Erwartungswert: μ = 1.8		
Standardabweichung: σ = 1.273		
1σ-Intervall: p(1≤X≤3) = 0.75170852		
2σ-Intervall: p(0≤X≤4) = 0.97180614		
3σ-Intervall: p(0≤X≤5) = 0.99358485		

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p = 0.1		**n = 19**
k	**p(X=k)**	**p(x≤k)**
0	0.13508517	0.13508517
1	0.28517981	0.42026498
2	0.28517981	0.70544479
3	0.17955766	0.88500244
4	0.0798034	0.96480584
5	0.02660113	0.99140698
6	0.00689659	0.99830357
7	0.00142311	0.99972668
8	0.00023718	0.99996386
9	0.00003221	0.99999607
10	0.00000358	0.99999965
11	3.3e-7	0.99999997
12	2e-8	1
13	0	1
14	0	1
15	0	1
16	0	1
17	0	1
18	0	1

19	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 19**
Erwartungswert: μ = 1.9		
Standardabweichung: σ = 1.308		
1σ-Intervall: p(1≤X≤3) = 0.74991727		
2σ-Intervall: p(0≤X≤4) = 0.96480584		
3σ-Intervall: p(0≤X≤5) = 0.99140698		

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p = 0.1		**n = 20**
k	**p(X=k)**	**p(x≤k)**
0	0.12157665	0.12157665
1	0.27017034	0.391747
2	0.28517981	0.67692681
3	0.19011987	0.86704668
4	0.08977883	0.9568255
5	0.03192136	0.98874687
6	0.00886704	0.99761391
7	0.00197045	0.99958436
8	0.00035578	0.99994014
9	0.00005271	0.99999285
10	0.00000644	0.99999929
11	6.5e-7	0.99999994
12	5e-8	1
13	0	1
14	0	1
15	0	1
16	0	1
17	0	1
18	0	1
19	0	1
20	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 20**
Erwartungswert: μ = 2		
Standardabweichung: σ = 1.342		
1σ-Intervall: p(1≤X≤3) = 0.74547002		
2σ-Intervall: p(0≤X≤4) = 0.9568255		
3σ-Intervall: p(0≤X≤6) = 0.99761391		

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p = 0.1		n = 21
k	**p(X=k)**	**p(x≤k)**
0	0.10941899	0.10941899
1	0.25531097	0.36472996
2	0.28367886	0.64840882
3	0.19962586	0.84803469
4	0.09981293	0.94784762
5	0.03770711	0.98555473
6	0.01117248	0.99672721
7	0.00266011	0.99938732
8	0.00051724	0.99990456
9	0.00008301	0.99998758
10	0.00001107	0.99999865
11	0.00000123	0.99999988
12	1.1e-7	0.99999999
13	1e-8	1
14	0	1
15	0	1
16	0	1
17	0	1
18	0	1
19	0	1
20	0	1
21	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 21**
Erwartungswert: $\mu = 2.1$		
Standardabweichung: $\sigma = 1.375$		
1σ-Intervall: $p(1 \le X \le 3) = 0.7386157$		
2σ-Intervall: $p(0 \le X \le 4) = 0.94784762$		
3σ-Intervall: $p(0 \le X \le 6) = 0.99672721$		

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p = 0.1		n = 22
k	**p(X=k)**	**p(x≤k)**
0	0.09847709	0.09847709
1	0.24072178	0.33919887
2	0.28084207	0.62004094
3	0.20803116	0.8280721
4	0.10979423	0.93786633
5	0.04391769	0.98178402
6	0.01382594	0.99560996
7	0.00351135	0.99912131
8	0.00073153	0.99985284

9	0.00012644	0.99997928
10	0.00001826	0.99999754
11	0.00000221	0.99999975
12	2.3e-7	0.99999998
13	2e-8	1
14	0	1
15	0	1
16	0	1
17	0	1
18	0	1
19	0	1
20	0	1
21	0	1
22	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 22**

Erwartungswert:
μ = 2.2

Standardabweichung:
σ = 1.407

1σ-Intervall:
p(1≤X≤3) = 0.72959501

2σ-Intervall:
p(0≤X≤5) = 0.98178402

3σ-Intervall:
p(0≤X≤6) = 0.99560996

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p = 0.1		**n = 23**
k	**p(X=k)**	**p(x≤k)**
0	0.08862938	0.08862938
1	0.22649731	0.31512669
2	0.27683004	0.59195673
3	0.21531226	0.80726899
4	0.11961792	0.92688691
5	0.05050534	0.97739225
6	0.01683511	0.99422736
7	0.00454281	0.99877017
8	0.00100951	0.99977969
9	0.00018695	0.99996663
10	0.00002908	0.99999571
11	0.00000382	0.99999953
12	4.2e-7	0.99999996
13	4e-8	1
14	0	1
15	0	1
16	0	1
17	0	1
18	0	1

19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 23**

Erwartungswert:
μ = 2.3

Standardabweichung:
σ = 1.439

1σ-Intervall:
p(1≤X≤3) = 0.71863961

2σ-Intervall:
p(0≤X≤5) = 0.97739225

3σ-Intervall:
p(0≤X≤6) = 0.99422736

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p = 0.1		**n = 24**
k	**p(X=k)**	**p(x≤k)**
0	0.07976644	0.07976644
1	0.21271051	0.29247696
2	0.27179677	0.56427373
3	0.22146403	0.78573776
4	0.12918735	0.91492511
5	0.0574166	0.97234172
6	0.02020214	0.99254385
7	0.00577204	0.99831589
8	0.00136284	0.99967873
9	0.0002692	0.99994794
10	0.00004487	0.99999281
11	0.00000634	0.99999915
12	7.6e-7	0.99999991
13	8e-8	0.99999999
14	1e-8	1
15	0	1
16	0	1
17	0	1
18	0	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 24**

Erwartungswert:
μ = 2.4

Standardabweichung: σ = 1.47
1σ-Intervall: p(1≤X≤3) = 0.70597132
2σ-Intervall: p(0≤X≤5) = 0.97234172
3σ-Intervall: p(0≤X≤6) = 0.99254385

---

p = 0.1		**n = 25**
k	**p(X=k)**	**p(x≤k)**
0	0.0717898	0.0717898
1	0.19941611	0.27120591
2	0.26588814	0.53709405
3	0.22649731	0.76359136
4	0.13841502	0.90200638
5	0.06459368	0.96660006
6	0.02392358	0.99052364
7	0.00721505	0.99773869
8	0.00180376	0.99954245
9	0.00037857	0.99992102
10	0.0000673	0.99998832
11	0.0000102	0.99999852
12	0.00000132	0.99999984
13	1.5e-7	0.99999998
14	1e-8	1
15	0	1
16	0	1
17	0	1
18	0	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 25**

Erwartungswert: μ = 2.5
Standardabweichung: σ = 1.5
1σ-Intervall: p(1≤X≤4) = 0.83021658
2σ-Intervall: p(0≤X≤5) = 0.96660006
3σ-Intervall: p(0≤X≤7) = 0.99773869

---

p = 0.1		n = 26
k	**p(X=k)**	**p(x≤k)**
0	0.06461082	0.06461082
1	0.18665348	0.2512643
2	0.25924094	0.51050524
3	0.23043639	0.74094163
4	0.14722325	0.88816488
5	0.07197581	0.96014069
6	0.02799059	0.98813128
7	0.0088859	0.99701718
8	0.00234489	0.99936207
9	0.00052109	0.99988316
10	0.00009843	0.99998159
11	0.00001591	0.9999975
12	0.00000221	0.99999971
13	2.6e-7	0.99999997
14	3e-8	1
15	0	1
16	0	1
17	0	1
18	0	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 26**
Erwartungswert: $\mu = 2.6$		
Standardabweichung: $\sigma = 1.53$		
1σ-Intervall: $p(2 \le X \le 4) = 0.63690058$		
2σ-Intervall: $p(0 \le X \le 5) = 0.96014069$		
3σ-Intervall: $p(0 \le X \le 7) = 0.99701718$		

---

p = 0.1		n = 27
k	**p(X=k)**	**p(x≤k)**
0	0.05814974	0.05814974
1	0.17444921	0.23259895
2	0.25198219	0.48458114
3	0.23331685	0.71789799

4	0.15554456	0.87344255
5	0.07950055	0.95294311
6	0.03238911	0.98533222
7	0.01079637	0.99612859
8	0.00299899	0.99912759
9	0.00070347	0.99983105
10	0.00014069	0.99997175
11	0.00002416	0.99999591
12	0.00000358	0.99999948
13	4.6e-7	0.99999994
14	5e-8	0.99999999
15	0	1
16	0	1
17	0	1
18	0	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 27**
Erwartungswert: μ = 2.7		
Standardabweichung: σ = 1.559		
1σ-Intervall: p(2≤X≤4) = 0.6408436		
2σ-Intervall: p(0≤X≤5) = 0.95294311		
3σ-Intervall: p(0≤X≤7) = 0.99612859		

---

p = 0.1		**n = 28**
k	**p(X=k)**	**p(x≤k)**
0	0.05233476	0.05233476
1	0.16281926	0.21515403
2	0.2442289	0.45938292
3	0.23518338	0.6945663
4	0.16332179	0.8578881
5	0.08710496	0.94499305
6	0.03710026	0.98209331
7	0.01295565	0.99504896
8	0.00377873	0.99882769

9	0.00093302	0.99976071
10	0.00019697	0.99995768
11	0.00003581	0.99999349
12	0.00000564	0.99999913
13	7.7e-7	0.9999999
14	9e-8	0.99999999
15	1e-8	1
16	0	1
17	0	1
18	0	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 28**
Erwartungswert: μ = 2.8		
Standardabweichung: σ = 1.587		
1σ-Intervall: p(2≤X≤4) = 0.64273407		
2σ-Intervall: p(0≤X≤5) = 0.94499305		
3σ-Intervall: p(0≤X≤7) = 0.99504896		

---

p = 0.1		**n = 29**
k	**p(X=k)**	**p(x≤k)**
0	0.04710129	0.04710129
1	0.15177081	0.1988721
2	0.23608793	0.43496003
3	0.23608793	0.67104797
4	0.17050795	0.84155592
5	0.09472664	0.93628256
6	0.04210073	0.97838328
7	0.01537011	0.99375339
8	0.00469642	0.99844981
9	0.00121759	0.9996674
10	0.00027058	0.99993798
11	0.00005193	0.99998991
12	0.00000865	0.99999856

13	0.00000126	0.99999982
14	1.6e-7	0.99999998
15	2e-8	1
16	0	1
17	0	1
18	0	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 29**
Erwartungswert: μ = 2.9		
Standardabweichung: σ = 1.616		
1σ-Intervall: p(2≤X≤4) = 0.64268382		
2σ-Intervall: p(0≤X≤6) = 0.97838328		
3σ-Intervall: p(0≤X≤7) = 0.99375339		

---

p = 0.1		**n = 30**
k	**p(X=k)**	**p(x≤k)**
0	0.04239116	0.04239116
1	0.14130386	0.18369502
2	0.22765622	0.41135124
3	0.23608793	0.64743917
4	0.17706595	0.82450512
5	0.10230477	0.92680989
6	0.04736332	0.97417321
7	0.01804317	0.99221638
8	0.00576379	0.99798017
9	0.00156547	0.99954564
10	0.00036528	0.99991092
11	0.00007379	0.99998472
12	0.00001298	0.9999977
13	0.000002	0.99999969
14	2.7e-7	0.99999996
15	3e-8	1

16	0	1
17	0	1
18	0	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 30**

Erwartungswert:
μ = 3

Standardabweichung:
σ = 1.643

1σ-Intervall:
p(2≤X≤4) = 0.6408101

2σ-Intervall:
p(0≤X≤6) = 0.97417321

3σ-Intervall:
p(0≤X≤7) = 0.99221638

---

p = 0.1		**n = 31**
k	**p(X=k)**	**p(x≤k)**
0	0.03815204	0.03815204
1	0.13141259	0.16956463
2	0.21902098	0.38858562
3	0.23524476	0.62383038
4	0.18296815	0.80679853
5	0.10978089	0.91657941
6	0.05285746	0.96943688
7	0.02097518	0.99041206
8	0.00699173	0.99740379
9	0.00198531	0.9993891
10	0.0004853	0.99987439
11	0.00010294	0.99997734
12	0.00001906	0.9999964
13	0.0000031	0.9999995
14	4.4e-7	0.99999994
15	6e-8	0.99999999
16	1e-8	1
17	0	1

18	0	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 31**

Erwartungswert:
μ = 3.1

Standardabweichung:
σ = 1.67

1σ-Intervall:
p(2≤X≤4) = 0.63723389

2σ-Intervall:
p(0≤X≤6) = 0.96943688

3σ-Intervall:
p(0≤X≤8) = 0.99740379

---

p = 0.1		**n = 32**
k	**p(X=k)**	**p(x≤k)**
0	0.03433684	0.03433684
1	0.12208654	0.15642337
2	0.21026015	0.36668352
3	0.23362238	0.6003059
4	0.18819581	0.78850171
5	0.11709961	0.90560133
6	0.05854981	0.96415113
7	0.02416341	0.98831455
8	0.00839007	0.99670462
9	0.00248595	0.99919057
10	0.0006353	0.99982586
11	0.00014118	0.99996704
12	0.00002745	0.99999449
13	0.00000469	0.99999919
14	7.1e-7	0.99999989
15	9e-8	0.99999999
16	1e-8	1
17	0	1
18	0	1

19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 32**

Erwartungswert:
μ = 3.2

Standardabweichung:
σ = 1.697

1σ-Intervall:
p(2≤X≤4) = 0.63207834

2σ-Intervall:
p(0≤X≤6) = 0.96415113

3σ-Intervall:
p(0≤X≤8) = 0.99670462

---

p = 0.1		**n = 33**
k	**p(X=k)**	**p(x≤k)**
0	0.03090315	0.03090315
1	0.11331157	0.14421472
2	0.20144278	0.3456575
3	0.23128616	0.57694366
4	0.19273847	0.76968213
5	0.12420923	0.89389136
6	0.06440479	0.95829615
7	0.02760205	0.9858982
8	0.00996741	0.99586561
9	0.00307636	0.99894197
10	0.00082036	0.99976233
11	0.00019059	0.99995292
12	0.00003882	0.99999175
13	0.00000697	0.99999872
14	0.00000111	0.99999982
15	1.6e-7	0.99999998
16	2e-8	1
17	0	1
18	0	1

19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 33**

Erwartungswert:
μ = 3.3

Standardabweichung:
σ = 1.723

1σ-Intervall:
p(2≤X≤5) = 0.74967664

2σ-Intervall:
p(0≤X≤6) = 0.95829615

3σ-Intervall:
p(0≤X≤8) = 0.99586561

---

p = 0.1		**n = 34**
k	**p(X=k)**	**p(x≤k)**
0	0.02781284	0.02781284
1	0.10507072	0.13288356
2	0.19262966	0.32551323
3	0.22830182	0.55381505
4	0.19659324	0.75040828
5	0.13106216	0.88147044
6	0.07038523	0.95185567
7	0.03128233	0.983138
8	0.01173087	0.99486887
9	0.00376547	0.99863434
10	0.00104596	0.9996803
11	0.00025357	0.99993387
12	0.000054	0.99998787
13	0.00001015	0.99999802
14	0.00000169	0.99999971
15	2.5e-7	0.99999996
16	3e-8	1
17	0	1

18	0	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 34**

Erwartungswert:
μ = 3.4

Standardabweichung:
σ = 1.749

1σ-Intervall:
p(2≤X≤5) = 0.74858688

2σ-Intervall:
p(0≤X≤6) = 0.95185567

3σ-Intervall:
p(0≤X≤8) = 0.99486887

---

p = 0.1		**n = 35**
k	**p(X=k)**	**p(x≤k)**
0	0.02503156	0.02503156
1	0.09734494	0.12237649
2	0.18387377	0.30625026
3	0.22473461	0.53098487
4	0.19976409	0.73074896
5	0.13761526	0.86836423
6	0.07645292	0.94481715
7	0.03519262	0.98000977
8	0.01368602	0.99369578
9	0.00456201	0.99825779
10	0.00131791	0.9995757
11	0.00033281	0.99990851
12	0.00007396	0.99998247
13	0.00001454	0.999997
14	0.00000254	0.99999954
15	3.9e-7	0.99999994

16	5e-8	0.99999999
17	1e-8	1
18	0	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 35**

Erwartungswert:
μ = 3.5

Standardabweichung:
σ = 1.775

1σ-Intervall:
p(2≤X≤5) = 0.74598773

2σ-Intervall:
p(0≤X≤7) = 0.98000977

3σ-Intervall:
p(0≤X≤8) = 0.99369578

---

p = 0.1		**n = 36**
k	**p(X=k)**	**p(x≤k)**
0	0.0225284	0.0225284
1	0.0901136	0.112642
2	0.17522089	0.28786288
3	0.22064852	0.50851141
4	0.20226115	0.71077255
5	0.14383015	0.8546027
6	0.08256916	0.93717186
7	0.03931865	0.9764905
8	0.01583668	0.99232718
9	0.00547441	0.99780159
10	0.00164232	0.99944391
11	0.00043132	0.99987523
12	0.00009984	0.99997507

13	0.00002048	0.99999555
14	0.00000374	0.99999929
15	6.1e-7	0.9999999
16	9e-8	0.99999999
17	1e-8	1
18	0	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 36**
Erwartungswert: μ = 3.6		
Standardabweichung: σ = 1.8		
1σ-Intervall: p(2≤X≤5) = 0.7419607		
2σ-Intervall: p(0≤X≤7) = 0.9764905		
3σ-Intervall: p(0≤X≤9) = 0.99780159		

---

p = 0.1		**n = 37**
k	**p(X=k)**	**p(x≤k)**
0	0.02027556	0.02027556
1	0.08335508	0.10363064
2	0.16671016	0.27034079
3	0.21610576	0.48644655
4	0.20409988	0.69054644
5	0.14967325	0.84021968
6	0.08869526	0.92891494
7	0.0436437	0.97255864
8	0.01818487	0.99074351

9	0.00651063	0.99725415
10	0.00202553	0.99927968
11	0.00055242	0.9998321
12	0.00013299	0.99996509
13	0.00002842	0.9999935
14	0.00000541	0.99999891
15	9.2e-7	0.99999984
16	1.4e-7	0.99999998
17	2e-8	1
18	0	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 37**

Erwartungswert:
$\mu = 3.7$

Standardabweichung:
$\sigma = 1.825$

1σ-Intervall:
$p(2 \le X \le 5) = 0.73658905$

2σ-Intervall:
$p(1 \le X \le 7) = 0.95228308$

3σ-Intervall:
$p(0 \le X \le 9) = 0.99725415$

---

p = 0.1		**n = 38**
k	**p(X=k)**	**p(x≤k)**
0	0.018248	0.018248
1	0.07704713	0.09529513
2	0.15837465	0.25366978
3	0.2111662	0.46483598

4	0.20530047	0.67013645
5	0.15511591	0.82525236
6	0.09479306	0.92004542
7	0.04814885	0.96819427
8	0.02073076	0.98892503
9	0.00767806	0.99660308
10	0.00247404	0.99907713
11	0.00069973	0.99977685
12	0.00017493	0.99995179
13	0.00003887	0.99999066
14	0.00000771	0.99999837
15	0.00000137	0.99999974
16	2.2e-7	0.99999996
17	3e-8	1
18	0	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 38**
Erwartungswert: μ = 3.8		
Standardabweichung: σ = 1.849		
1σ-Intervall: p(2≤X≤5) = 0.72995723		
2σ-Intervall: p(1≤X≤7) = 0.94994627		
3σ-Intervall: p(0≤X≤9) = 0.99660308		

p = 0.1		n = 39
k	**p(X=k)**	**p(x≤k)**
0	0.0164232	0.0164232
1	0.07116721	0.08759042
2	0.1502419	0.23783231
3	0.20588704	0.44371936
4	0.20588704	0.6496064
5	0.16013437	0.80974077
6	0.10082534	0.91056611
7	0.05281327	0.96337938
8	0.02347257	0.98685195
9	0.00898333	0.99583528
10	0.00299444	0.99882972
11	0.00087716	0.99970688
12	0.00022741	0.99993429
13	0.00005248	0.99998677
14	0.00001083	0.9999976
15	0.00000201	0.99999961
16	3.3e-7	0.99999994
17	5e-8	0.99999999
18	1e-8	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 39**
Erwartungswert: $\mu = 3.9$		
Standardabweichung: $\sigma = 1.873$		

1σ-Intervall: p(3≤X≤5) = 0.57190845
2σ-Intervall: p(1≤X≤7) = 0.94695618
3σ-Intervall: p(0≤X≤9) = 0.99583528

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p = 0.1		**n = 40**
k	**p(X=k)**	**p(x≤k)**
0	0.01478088	0.01478088
1	0.06569281	0.0804737
2	0.14233443	0.22280812
3	0.20032253	0.42313065
4	0.20588704	0.6290177
5	0.16470963	0.79372733
6	0.10675624	0.90048358
7	0.05761448	0.95809806
8	0.02640664	0.98450469
9	0.01043225	0.99493695
10	0.00359333	0.99853028
11	0.00108889	0.99961917
12	0.00029239	0.99991155
13	0.00006997	0.99998153
14	0.00001499	0.99999652
15	0.00000289	0.99999941
16	5e-7	0.99999991
17	8e-8	0.99999999
18	1e-8	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1

38	0	1
39	0	1
40	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 40**

Erwartungswert:
μ = 4

Standardabweichung:
σ = 1.897

1σ-Intervall:
p(3≤X≤5) = 0.57091921

2σ-Intervall:
p(1≤X≤7) = 0.94331717

3σ-Intervall:
p(0≤X≤9) = 0.99493695

---

p = 0.1		**n = 41**
k	**p(X=k)**	**p(x≤k)**
0	0.01330279	0.01330279
1	0.06060162	0.07390441
2	0.13467027	0.20857468
3	0.19452372	0.4030984
4	0.20533059	0.60842899
5	0.16882738	0.77725637
6	0.11255158	0.88980795
7	0.06252866	0.95233661
8	0.02952742	0.98186403
9	0.01202969	0.99389372
10	0.00427722	0.99817094
11	0.00133933	0.99951028
12	0.00037204	0.99988231
13	0.00009221	0.99997453
14	0.00002049	0.99999502
15	0.0000041	0.99999912
16	7.4e-7	0.99999986
17	1.2e-7	0.99999998
18	2e-8	1
19	0	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1

30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 41**

Erwartungswert:
μ = 4.1

Standardabweichung:
σ = 1.921

1σ-Intervall:
p(3≤X≤6) = 0.68123327

2σ-Intervall:
p(1≤X≤7) = 0.93903381

3σ-Intervall:
p(0≤X≤9) = 0.99389372

---

p = 0.1		**n = 42**
k	**p(X=k)**	**p(x≤k)**
0	0.01197252	0.01197252
1	0.05587174	0.06784425
2	0.1272634	0.19510765
3	0.18853837	0.38364603
4	0.2042499	0.58789593
5	0.1724777	0.76037363
6	0.11817916	0.87855279
7	0.06753095	0.94608374
8	0.03282755	0.97891129
9	0.01377946	0.99269075
10	0.00505247	0.99774322
11	0.00163312	0.99937634
12	0.00046877	0.99984511
13	0.0001202	0.99996531
14	0.00002766	0.99999297
15	0.00000574	0.99999871
16	0.00000108	0.99999978
17	1.8e-7	0.99999997
18	3e-8	1
19	0	1
20	0	1

21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 42**

Erwartungswert:
μ = 4.2

Standardabweichung:
σ = 1.944

1σ-Intervall:
p(3≤X≤6) = 0.68344514

2σ-Intervall:
p(1≤X≤8) = 0.96693877

3σ-Intervall:
p(0≤X≤10) = 0.99774322

---

p = 0.1		**n = 43**
k	**p(X=k)**	**p(x≤k)**
0	0.01077526	0.01077526
1	0.05148182	0.06225708
2	0.12012424	0.18238131
3	0.18241088	0.36479219
4	0.20267875	0.56747094
5	0.17565492	0.74312586
6	0.12360902	0.86673488
7	0.07259577	0.93933065
8	0.03629789	0.97562853
9	0.01568427	0.99131281
10	0.00592517	0.99723798

11	0.00197506	0.99921303
12	0.0005852	0.99979823
13	0.00015505	0.99995329
14	0.00003692	0.9999902
15	0.00000793	0.99999813
16	0.00000154	0.99999968
17	2.7e-7	0.99999995
18	4e-8	0.99999999
19	1e-8	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 43**
Erwartungswert: $\mu = 4.3$		
Standardabweichung: $\sigma = 1.967$		
1σ-Intervall: $p(3 \le X \le 6) = 0.68435356$		
2σ-Intervall: $p(1 \le X \le 8) = 0.96485327$		
3σ-Intervall: $p(0 \le X \le 10) = 0.99723798$		

---

p = 0.1		**n = 44**
k	**p(X=k)**	**p(x≤k)**
0	0.00969774	0.00969774

1	0.04741116	0.0571089
2	0.11325999	0.17036889
3	0.17618221	0.3465511
4	0.20065196	0.54720307
5	0.1783573	0.72556037
6	0.12881361	0.85437398
7	0.0776971	0.93207107
8	0.03992767	0.97199875
9	0.01774563	0.98974438
10	0.00690108	0.99664546
11	0.00237007	0.99901553
12	0.00072419	0.99973971
13	0.00019807	0.99993778
14	0.00004873	0.99998651
15	0.00001083	0.99999734
16	0.00000218	0.99999952
17	4e-7	0.99999992
18	7e-8	0.99999999
19	1e-8	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 44**
Erwartungswert: μ = 4.4		

Standardabweichung: σ = 1.99
1σ-Intervall: p(3≤X≤6) = 0.68400508
2σ-Intervall: p(1≤X≤8) = 0.96230101
3σ-Intervall: p(0≤X≤10) = 0.99664546

---

p = 0.1		**n = 45**
k	**p(X=k)**	**p(x≤k)**
0	0.00872796	0.00872796
1	0.04363982	0.05236778
2	0.10667511	0.15904289
3	0.16988999	0.32893288
4	0.19820499	0.52713787
5	0.18058677	0.70772464
6	0.13376798	0.84149261
7	0.08280875	0.92430136
8	0.04370462	0.96800598
9	0.01996384	0.98796982
10	0.00798553	0.99595535
11	0.00282317	0.99877852
12	0.00088878	0.99966729
13	0.00025068	0.99991797
14	0.00006366	0.99998164
15	0.00001462	0.99999626
16	0.00000305	0.9999993
17	5.8e-7	0.99999988
18	1e-7	0.99999998
19	2e-8	1
20	0	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1

37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 45**

Erwartungswert:
μ = 4.5

Standardabweichung:
σ = 2.012

1σ-Intervall:
p(3≤X≤6) = 0.68244972

2σ-Intervall:
p(1≤X≤8) = 0.95927801

3σ-Intervall:
p(0≤X≤10) = 0.99595535

---

p = 0.1		**n = 46**
k	**p(X=k)**	**p(x≤k)**
0	0.00785517	0.00785517
1	0.04014863	0.0480038
2	0.10037158	0.14837538
3	0.1635685	0.31194388
4	0.19537349	0.50731737
5	0.18234859	0.68966596
6	0.13844986	0.82811582
7	0.08790467	0.91602049
8	0.04761503	0.96363552
9	0.02233792	0.98597343
10	0.00918337	0.9951568
11	0.00333941	0.9984962
12	0.00108221	0.99957842
13	0.00031449	0.99989291
14	0.00008237	0.99997527
15	0.00001952	0.9999948
16	0.0000042	0.999999
17	8.2e-7	0.99999982
18	1.5e-7	0.99999997
19	2e-8	1
20	0	1
21	0	1
22	0	1
23	0	1

24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 46**

Erwartungswert:
μ = 4.6

Standardabweichung:
σ = 2.035

1σ-Intervall:
p(3≤X≤6) = 0.67974044

2σ-Intervall:
p(1≤X≤8) = 0.95578035

3σ-Intervall:
p(0≤X≤10) = 0.9951568

---

p = 0.1		**n = 47**
k	**p(X=k)**	**p(x≤k)**
0	0.00706965	0.00706965
1	0.03691929	0.04398894
2	0.09434929	0.13833822
3	0.15724881	0.29558703
4	0.19219299	0.48778002
5	0.18365108	0.6714311
6	0.14283973	0.81427083
7	0.09295919	0.90723002
8	0.05164399	0.95887401
9	0.02486563	0.98373964
10	0.01049882	0.99423846

11	0.0039238	0.99816226
12	0.00130793	0.9994702
13	0.00039126	0.99986146
14	0.00010558	0.99996704
15	0.00002581	0.99999284
16	0.00000574	0.99999858
17	0.00000116	0.99999974
18	2.2e-7	0.99999996
19	4e-8	0.99999999
20	1e-8	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 47**

Erwartungswert:
μ = 4.7

Standardabweichung:
σ = 2.057

1σ-Intervall:
p(3≤X≤6) = 0.67593261

2σ-Intervall:
p(1≤X≤8) = 0.95180436

3σ-Intervall:
p(0≤X≤10) = 0.99423846

p = 0.1		n = 48
k	p(X=k)	p(x≤k)
0	0.00636269	0.00636269
1	0.03393432	0.04029701
2	0.08860629	0.12890329
3	0.15095886	0.27986215
4	0.18869857	0.46856072
5	0.18450527	0.65306599
6	0.14692086	0.79998686
7	0.09794724	0.8979341
8	0.05577551	0.95370961
9	0.02754346	0.98125308
10	0.0119355	0.99318858
11	0.0045813	0.99776988
12	0.00156952	0.9993394
13	0.00048293	0.99982233
14	0.00013415	0.99995648
15	0.00003379	0.99999026
16	0.00000774	0.99999801
17	0.00000162	0.99999963
18	3.1e-7	0.99999994
19	5e-8	0.99999999
20	1e-8	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1

45	0	1
46	0	1
47	0	1
48	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 48**

Erwartungswert:
μ = 4.8

Standardabweichung:
σ = 2.078

1σ-Intervall:
p(3≤X≤6) = 0.67108356

2σ-Intervall:
p(1≤X≤8) = 0.94734693

3σ-Intervall:
p(0≤X≤11) = 0.99776988

---

p = 0.1		**n = 49**
k	**p(X=k)**	**p(x≤k)**
0	0.00572642	0.00572642
1	0.03117716	0.03690358
2	0.08313909	0.12004267
3	0.1447236	0.26476627
4	0.1849246	0.44969087
5	0.1849246	0.63461547
6	0.1506793	0.78529477
7	0.1028446	0.88813938
8	0.05999269	0.94813206
9	0.03036667	0.97849873
10	0.0134963	0.99199503
11	0.00531672	0.99731175
12	0.0018707	0.99918245
13	0.00059159	0.99977404
14	0.00016903	0.99994306
15	0.00004382	0.99998689
16	0.00001035	0.99999723
17	0.00000223	0.99999946
18	4.4e-7	0.9999999
19	8e-8	0.99999998
20	1e-8	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1

29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 49**
Erwartungswert: μ = 4.9		
Standardabweichung: σ = 2.1		
1σ-Intervall: p(3≤X≤7) = 0.76809671		
2σ-Intervall: p(1≤X≤9) = 0.97277231		
3σ-Intervall: p(0≤X≤11) = 0.99731175		

---

p = 0.1		**n = 50**
k	**p(X=k)**	**p(x≤k)**
0	0.00515378	0.00515378
1	0.02863208	0.03378586
2	0.0779429	0.11172876
3	0.13856515	0.25029391
4	0.1809045	0.43119841
5	0.1849246	0.61612301
6	0.15410383	0.77022684
7	0.10762807	0.87785492
8	0.06427788	0.94213279
9	0.03332927	0.97546206
10	0.01518333	0.9906454
11	0.00613468	0.99678008

12	0.0022153	0.99899538
13	0.0007195	0.99971488
14	0.00021128	0.99992616
15	0.00005634	0.9999825
16	0.00001369	0.9999962
17	0.00000304	0.99999924
18	6.2e-7	0.99999986
19	1.2e-7	0.99999998
20	2e-8	1
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 50**

Erwartungswert:
$\mu = 5$

Standardabweichung:
$\sigma = 2.121$

1σ-Intervall:
$p(3 \le X \le 7) = 0.76612616$

2σ-Intervall:
$p(1 \le X \le 9) = 0.97030829$

3σ-Intervall:
$p(0 \le X \le 11) = 0.99678008$

p = 0.1		n = 51
k	**p(X=k)**	**p(x≤k)**
0	0.0046384	0.0046384
1	0.02628425	0.03092265
2	0.07301182	0.10393447
3	0.13250292	0.23643739
4	0.17667057	0.41310796
5	0.18452259	0.59763055
6	0.15718591	0.75481646
7	0.11227565	0.86709211
8	0.0686129	0.93570501
9	0.03642413	0.97212914
10	0.01699793	0.98912707
11	0.00703955	0.99616661
12	0.00260724	0.99877385
13	0.00086908	0.99964293
14	0.0002621	0.99990503
15	0.00007184	0.99997687
16	0.00001796	0.99999483
17	0.00000411	0.99999894
18	8.6e-7	0.9999998
19	1.7e-7	0.99999996
20	3e-8	0.99999999
21	0	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1

42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 51**

Erwartungswert:
μ = 5.1

Standardabweichung:
σ = 2.142

1σ-Intervall:
p(3≤X≤7) = 0.76315764

2σ-Intervall:
p(1≤X≤9) = 0.96749074

3σ-Intervall:
p(0≤X≤11) = 0.99616661

---

p = 0.1		**n = 52**
k	**p(X=k)**	**p(x≤k)**
0	0.00417456	0.00417456
1	0.02411967	0.02829423
2	0.06833906	0.09663329
3	0.12655381	0.2231871
4	0.1722538	0.3954409
5	0.18373739	0.57917829
6	0.15991958	0.73909787
7	0.11676668	0.85586454
8	0.07297917	0.92884372
9	0.03964301	0.96848672
10	0.01894055	0.98742727
11	0.00803538	0.99546266
12	0.00305047	0.99851313
13	0.0010429	0.99955602
14	0.0003228	0.99987882
15	0.00009086	0.99996969
16	0.00002335	0.99999303
17	0.00000549	0.99999853
18	0.00000119	0.99999971
19	2.4e-7	0.99999995
20	4e-8	0.99999999
21	1e-8	1
22	0	1

23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 52**

Erwartungswert:
μ = 5.2

Standardabweichung:
σ = 2.163

1σ-Intervall:
p(4≤X≤7) = 0.63267745

2σ-Intervall:
p(1≤X≤9) = 0.96431217

3σ-Intervall:
p(0≤X≤11) = 0.99546266

---

p = 0.1		**n = 53**
k	**p(X=k)**	**p(x≤k)**
0	0.0037571	0.0037571
1	0.02212516	0.02588226
2	0.06391712	0.08979938

3	0.12073234	0.21053172
4	0.1676838	0.37821552
5	0.18258903	0.56080455
6	0.16230136	0.72310591
7	0.12108197	0.84418788
8	0.07735792	0.9215458
9	0.04297662	0.96452242
10	0.02101079	0.98553322
11	0.0091259	0.99465912
12	0.00354896	0.99820808
13	0.00124365	0.99945173
14	0.00039481	0.99984654
15	0.00011406	0.9999606
16	0.0000301	0.9999907
17	0.00000728	0.99999798
18	0.00000162	0.99999959
19	3.3e-7	0.99999992
20	6e-8	0.99999999
21	1e-8	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1

50	0	1
51	0	1
52	0	1
53	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 53**

Erwartungswert:
μ = 5.3

Standardabweichung:
σ = 2.184

1σ-Intervall:
p(4≤X≤7) = 0.63365616

2σ-Intervall:
p(1≤X≤9) = 0.96076532

3σ-Intervall:
p(0≤X≤11) = 0.99465912

---

p = 0.1		**n = 54**
k	**p(X=k)**	**p(x≤k)**
0	0.00338139	0.00338139
1	0.02028835	0.02366974
2	0.05973792	0.08340767
3	0.11505082	0.19845848
4	0.16298866	0.36144714
5	0.18109851	0.54254565
6	0.16433013	0.70687577
7	0.12520391	0.83207968
8	0.08173033	0.91381001
9	0.04641475	0.96022476
10	0.02320738	0.98343214
11	0.01031439	0.99374653
12	0.00410666	0.99785318
13	0.00147418	0.99932737
14	0.00047969	0.99980706
15	0.00014213	0.99994919
16	0.00003849	0.99998769
17	0.00000956	0.99999725
18	0.00000218	0.99999943
19	4.6e-7	0.99999989
20	9e-8	0.99999998
21	2e-8	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1

29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 54**

Erwartungswert:
μ = 5.4

Standardabweichung:
σ = 2.205

1σ-Intervall:
p(4≤X≤7) = 0.6336212

2σ-Intervall:
p(1≤X≤9) = 0.95684337

3σ-Intervall:
p(0≤X≤12) = 0.99785318

---

p = 0.1		**n = 55**
k	**p(X=k)**	**p(x≤k)**
0	0.00304325	0.00304325
1	0.01859766	0.02164091
2	0.05579297	0.07743387
3	0.10951953	0.1869534
4	0.15819487	0.34514827
5	0.17928752	0.5244358
6	0.16600696	0.69044276

7	0.12911653	0.81955929
8	0.08607769	0.90563697
9	0.04994631	0.95558329
10	0.02552811	0.9811114
11	0.01160369	0.99271509
12	0.00472743	0.99744252
13	0.00173743	0.99917995
14	0.00057914	0.99975909
15	0.00017589	0.99993498
16	0.00004886	0.99998384
17	0.00001245	0.99999629
18	0.00000292	0.99999921
19	6.3e-7	0.99999985
20	1.3e-7	0.99999997
21	2e-8	1
22	0	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1

54	0	1
55	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 55**

Erwartungswert:
μ = 5.5

Standardabweichung:
σ = 2.225

1σ-Intervall:
p(4≤X≤7) = 0.63260589

2σ-Intervall:
p(2≤X≤9) = 0.93394238

3σ-Intervall:
p(0≤X≤12) = 0.99744252

---

p = 0.1		**n = 56**
k	**p(X=k)**	**p(x≤k)**
0	0.00273893	0.00273893
1	0.01704222	0.01978114
2	0.05207344	0.07185458
3	0.10414687	0.17600145
4	0.15332734	0.32932879
5	0.17717826	0.50650704
6	0.16733502	0.67384206
7	0.13280557	0.80664764
8	0.09038157	0.89702921
9	0.05355945	0.95058865
10	0.02796993	0.97855859
11	0.01299613	0.99155472
12	0.00541505	0.99696977
13	0.00203643	0.99900621
14	0.00069497	0.99970118
15	0.00021621	0.99991739
16	0.00006156	0.99997895
17	0.00001609	0.99999505
18	0.00000387	0.99999892
19	8.6e-7	0.99999978
20	1.8e-7	0.99999996
21	3e-8	0.99999999
22	1e-8	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1

31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 56**
Erwartungswert: μ = 5.6		
Standardabweichung: σ = 2.245		
1σ-Intervall: p(4≤X≤7) = 0.63064619		
2σ-Intervall: p(2≤X≤10) = 0.95877745		
3σ-Intervall: p(0≤X≤12) = 0.99696977		

---

p = 0.1		**n = 57**
k	**p(X=k)**	**p(x≤k)**
0	0.00246503	0.00246503
1	0.01561189	0.01807692
2	0.04857031	0.06664723
3	0.09893953	0.16558676
4	0.14840929	0.31399605
5	0.17479317	0.48878922
6	0.16831934	0.65710856

7	0.13625852	0.79336708
8	0.09462397	0.88799105
9	0.05724166	0.94523271
10	0.03052889	0.9757616
11	0.01449351	0.99025511
12	0.00617316	0.99642827
13	0.00237429	0.99880256
14	0.00082912	0.99963168
15	0.00026409	0.99989577
16	0.00007703	0.9999728
17	0.00002064	0.99999344
18	0.0000051	0.99999853
19	0.00000116	0.9999997
20	2.5e-7	0.99999994
21	5e-8	0.99999999
22	1e-8	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1

54	0	1
55	0	1
56	0	1
57	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 57**

Erwartungswert:
μ = 5.7

Standardabweichung:
σ = 2.265

1σ-Intervall:
p(4≤X≤7) = 0.62778032

2σ-Intervall:
p(2≤X≤10) = 0.95768467

3σ-Intervall:
p(0≤X≤12) = 0.99642827

---

p = 0.1		**n = 58**
k	**p(X=k)**	**p(x≤k)**
0	0.00221853	0.00221853
1	0.0142972	0.01651573
2	0.04527447	0.0617902
3	0.09390261	0.15569281
4	0.14346231	0.29915512
5	0.17215478	0.4713099
6	0.16896673	0.64027663
7	0.1394646	0.77974123
8	0.09878742	0.87852865
9	0.06097989	0.93950854
10	0.03320016	0.97270871
11	0.01609705	0.98880576
12	0.0070052	0.99581095
13	0.00275418	0.99856513
14	0.00098364	0.99954877
15	0.00032059	0.99986936
16	0.00009573	0.99996509
17	0.00002628	0.99999137
18	0.00000665	0.99999802
19	0.00000156	0.99999958
20	3.4e-7	0.99999992
21	7e-8	0.99999998
22	1e-8	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1

29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 58**

Erwartungswert:
μ = 5.8

Standardabweichung:
σ = 2.285

1σ-Intervall:
p(4≤X≤8) = 0.72283584

2σ-Intervall:
p(2≤X≤10) = 0.95619297

3σ-Intervall:
p(0≤X≤12) = 0.99581095

---

p = 0.1		**n = 59**
k	**p(X=k)**	**p(x≤k)**
0	0.00199668	0.00199668
1	0.01308933	0.01508601
2	0.04217674	0.05726276

3	0.08903979	0.14630255
4	0.13850634	0.28480889
5	0.16928553	0.45409442
6	0.16928553	0.62337996
7	0.14241481	0.76579477
8	0.10285514	0.86864991
9	0.06476065	0.93341055
10	0.03597814	0.96938869
11	0.01780736	0.98719605
12	0.00791438	0.99511043
13	0.00317928	0.99828971
14	0.00116069	0.99945041
15	0.0003869	0.9998373
16	0.00011822	0.99995552
17	0.00003322	0.99998875
18	0.00000861	0.99999736
19	0.00000207	0.99999942
20	4.6e-7	0.99999988
21	9e-8	0.99999998
22	2e-8	1
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1

50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 59**

Erwartungswert:
μ = 5.9

Standardabweichung:
σ = 2.304

1σ-Intervall:
p(4≤X≤8) = 0.72234736

2σ-Intervall:
p(2≤X≤10) = 0.95430268

3σ-Intervall:
p(0≤X≤12) = 0.99511043

---

p = 0.1		**n = 60**
k	**p(X=k)**	**p(x≤k)**
0	0.00179701	0.00179701
1	0.01198007	0.01377708
2	0.039268	0.05304508
3	0.08435349	0.13739857
4	0.13355969	0.27095826
5	0.16620761	0.43716587
6	0.16928553	0.6064514
7	0.14510188	0.75155329
8	0.10681111	0.8583644
9	0.06857009	0.92693449
10	0.03885639	0.96579088
11	0.01962444	0.98541531
12	0.00890368	0.99431899
13	0.00365279	0.99797179
14	0.00136255	0.99933434
15	0.00046428	0.99979861
16	0.00014509	0.9999437
17	0.00004172	0.99998542
18	0.00001107	0.9999965
19	0.00000272	0.99999922
20	6.2e-7	0.99999984
21	1.3e-7	0.99999997

22	3e-8	0.99999999
23	0	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 60**

Erwartungswert:
μ = 6

Standardabweichung:
σ = 2.324

1σ-Intervall:
p(4≤X≤8) = 0.72096583

2σ-Intervall:
p(2≤X≤10) = 0.9520138

3σ-Intervall:
p(0≤X≤12) = 0.99431899

p = 0.1		n = 61
k	**p(X=k)**	**p(x≤k)**
0	0.00161731	0.00161731
1	0.01096176	0.01257907
2	0.03653921	0.04911828
3	0.07984494	0.12896322
4	0.12863907	0.25760229
5	0.16294282	0.42054511
6	0.16897774	0.58952285
7	0.14752025	0.7370431
8	0.11064019	0.84768328
9	0.0723942	0.92007748
10	0.04182776	0.96190524
11	0.02154763	0.98345287
12	0.00997576	0.99342863
13	0.00417788	0.99760651
14	0.00159157	0.99919808
15	0.0005541	0.99975218
16	0.00017701	0.99992919
17	0.00005206	0.99998125
18	0.00001414	0.99999539
19	0.00000356	0.99999895
20	8.3e-7	0.99999978
21	1.8e-7	0.99999996
22	4e-8	0.99999999
23	1e-8	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1

42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 61**

Erwartungswert:
μ = 6.1

Standardabweichung:
σ = 2.343

1σ-Intervall:
p(4≤X≤8) = 0.71872006

2σ-Intervall:
p(2≤X≤10) = 0.94932617

3σ-Intervall:
p(0≤X≤13) = 0.99760651

---

p = 0.1		**n = 62**
k	**p(X=k)**	**p(x≤k)**
0	0.00145558	0.00145558
1	0.01002732	0.0114829
2	0.03398146	0.04546436
3	0.07551437	0.12097873
4	0.12375966	0.24473838
5	0.15951245	0.40425083
6	0.16837425	0.57262508
7	0.149666	0.72229107
8	0.11432819	0.83661927
9	0.0762188	0.91283806
10	0.0448844	0.95772246
11	0.02357565	0.98129811
12	0.01113294	0.99243105

13	0.00475767	0.99718872
14	0.0018502	0.99903892
15	0.00065785	0.99969677
16	0.00021472	0.99991149
17	0.00006455	0.99997604
18	0.00001793	0.99999398
19	0.00000461	0.99999859
20	0.0000011	0.99999969
21	2.4e-7	0.99999994
22	5e-8	0.99999999
23	1e-8	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1

60	0	1
61	0	1
62	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 62**

Erwartungswert:
μ = 6.2

Standardabweichung:
σ = 2.362

1σ-Intervall:
p(4≤X≤8) = 0.71564054

2σ-Intervall:
p(2≤X≤10) = 0.94623957

3σ-Intervall:
p(0≤X≤13) = 0.99718872

---

p = 0.1		**n = 63**
k	**p(X=k)**	**p(x≤k)**
0	0.00131002	0.00131002
1	0.00917014	0.01048016
2	0.03158605	0.04206621
3	0.07136108	0.11342729
4	0.11893513	0.23236242
5	0.15593717	0.38829958
6	0.16748807	0.55578765
7	0.15153682	0.70732447
8	0.11786197	0.82518645
9	0.08002973	0.90521618
10	0.04801784	0.95323402
11	0.02570652	0.97894054
12	0.01237721	0.99131776
13	0.0053952	0.99671295
14	0.00214095	0.9988539
15	0.00077709	0.99963099
16	0.00025903	0.99989002
17	0.00007957	0.99996959
18	0.00002259	0.99999218
19	0.00000595	0.99999813
20	0.00000145	0.99999958
21	3.3e-7	0.99999991
22	7e-8	0.99999998
23	1e-8	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1

30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 63**

Erwartungswert:
μ = 6.3

Standardabweichung:
σ = 2.381

1σ-Intervall:
p(4≤X≤8) = 0.71175916

2σ-Intervall:
p(2≤X≤11) = 0.96846038

3σ-Intervall:
p(0≤X≤13) = 0.99671295

p = 0.1		n = 64
k	p(X=k)	p(x≤k)
0	0.00117902	0.00117902
1	0.00838413	0.00956315
2	0.02934446	0.03890761
3	0.06738357	0.10629118
4	0.11417772	0.2204689
5	0.15223696	0.37270587
6	0.16633298	0.53903884
7	0.15313195	0.69217079
8	0.12122946	0.81340025
9	0.08381296	0.89721321
10	0.05121903	0.94843224
11	0.02793765	0.97636989
12	0.01371014	0.99008004
13	0.0060934	0.99617343
14	0.00246638	0.99863981
15	0.00091347	0.99955328
16	0.00031083	0.99986411
17	0.00009752	0.99996163
18	0.00002829	0.99998992
19	0.00000761	0.99999753
20	0.0000019	0.99999944
21	4.4e-7	0.99999988
22	1e-7	0.99999998
23	2e-8	1
24	0	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1

45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 64**

Erwartungswert:
μ = 6.4

Standardabweichung:
σ = 2.4

1σ-Intervall:
p(4≤X≤8) = 0.70710907

2σ-Intervall:
p(2≤X≤11) = 0.96680674

3σ-Intervall:
p(0≤X≤13) = 0.99617343

---

p = 0.1		**n = 65**
k	**p(X=k)**	**p(x≤k)**
0	0.00106112	0.00106112
1	0.00766362	0.00872474
2	0.02724843	0.03597316
3	0.06357966	0.09955283
4	0.10949831	0.20905113
5	0.14843104	0.35748217
6	0.16492338	0.52240555
7	0.15445205	0.6768576
8	0.12441971	0.8012773
9	0.08755461	0.88883191
10	0.05447842	0.94331034
11	0.03026579	0.97357613
12	0.0151329	0.98870902

13	0.00685507	0.99556409
14	0.00282908	0.99839317
15	0.00106876	0.99946193
16	0.0003711	0.99983303
17	0.00011885	0.99995188
18	0.00003521	0.99998709
19	0.00000968	0.99999677
20	0.00000247	0.99999925
21	5.9e-7	0.99999984
22	1.3e-7	0.99999997
23	3e-8	0.99999999
24	1e-8	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1

60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 65**

Erwartungswert:
μ = 6.5

Standardabweichung:
σ = 2.419

1σ-Intervall:
p(5≤X≤8) = 0.59222617

2σ-Intervall:
p(2≤X≤11) = 0.96485139

3σ-Intervall:
p(0≤X≤13) = 0.99556409

---

p = 0.1		**n = 66**
k	**p(X=k)**	**p(x≤k)**
0	0.000955	0.000955
1	0.00700337	0.00795837
2	0.02528995	0.03324832
3	0.05994654	0.09319486
4	0.10490644	0.1981013
5	0.14453776	0.34263907
6	0.16327414	0.50591321
7	0.15549918	0.66141239
8	0.12742294	0.78883533
9	0.09124112	0.88007645
10	0.05778604	0.93786249
11	0.03268705	0.97054955
12	0.01664618	0.98719573
13	0.00768285	0.99487859
14	0.00323168	0.99811026
15	0.00124479	0.99935506
16	0.00044086	0.99979592
17	0.00014407	0.99994
18	0.00004358	0.99998357
19	0.00001223	0.99999581
20	0.00000319	0.999999
21	7.8e-7	0.99999978
22	1.8e-7	0.99999995
23	4e-8	0.99999999
24	1e-8	1
25	0	1

26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 66**
Erwartungswert: μ = 6.6		
Standardabweichung: σ = 2.437		
1σ-Intervall: p(5≤X≤9) = 0.68197515		

2σ-Intervall: p(2≤X≤11) = 0.96259117
3σ-Intervall: p(0≤X≤13) = 0.99487859

---

p = 0.1		n = 67
k	**p(X=k)**	**p(x≤k)**
0	0.0008595	0.0008595
1	0.00639853	0.00725804
2	0.02346129	0.03071933
3	0.05648088	0.08720021
4	0.10041045	0.18761066
5	0.14057463	0.32818529
6	0.1614005	0.48958579
7	0.15627668	0.64586247
8	0.13023057	0.77609304
9	0.0948593	0.87095234
10	0.06113155	0.93208389
11	0.03519695	0.96728084
12	0.01825027	0.98553111
13	0.00857919	0.9941103
14	0.00367679	0.9977871
15	0.00144348	0.99923058
16	0.00052126	0.99975184
17	0.00017375	0.99992559
18	0.00005363	0.99997922
19	0.00001537	0.99999458
20	0.0000041	0.99999868
21	0.00000102	0.9999997
22	2.4e-7	0.99999994
23	5e-8	0.99999999
24	1e-8	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1

40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 67**
Erwartungswert: μ = 6.7		
Standardabweichung: σ = 2.456		
1σ-Intervall: p(5≤X≤9) = 0.68334168		
2σ-Intervall: p(2≤X≤11) = 0.9600228		
3σ-Intervall: p(0≤X≤14) = 0.9977871		

---

p = 0.1		**n = 68**
k	**p(X=k)**	**p(x≤k)**
0	0.00077355	0.00077355
1	0.00584463	0.00661818
2	0.02175501	0.0283732
3	0.05317892	0.08155212
4	0.09601749	0.17756961

5	0.13655821	0.31412783
6	0.15931792	0.47344574
7	0.15678906	0.6302348
8	0.13283518	0.76306998
9	0.09839643	0.86146641
10	0.06450432	0.92597073
11	0.03779041	0.96376115
12	0.01994494	0.98370609
13	0.0095463	0.99325238
14	0.00416703	0.99741942
15	0.00166681	0.99908623
16	0.00061348	0.99969971
17	0.0002085	0.99990821
18	0.00006564	0.99997385
19	0.00001919	0.99999305
20	0.00000522	0.99999827
21	0.00000133	0.9999996
22	3.1e-7	0.99999991
23	7e-8	0.99999998
24	1e-8	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1

52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 68**

Erwartungswert:
μ = 6.8

Standardabweichung:
σ = 2.474

1σ-Intervall:
p(5≤X≤9) = 0.6838968

2σ-Intervall:
p(2≤X≤11) = 0.95714296

3σ-Intervall:
p(0≤X≤14) = 0.99741942

---

p = 0.1		**n = 69**
k	**p(X=k)**	**p(x≤k)**
0	0.0006962	0.0006962
1	0.00533752	0.00603372
2	0.02016397	0.0261977
3	0.05003653	0.07623423
4	0.09173364	0.16796786
5	0.13250414	0.30047201
6	0.15704195	0.45751395
7	0.15704195	0.6145559
8	0.13523057	0.74978646
9	0.1018403	0.85162677
10	0.06789353	0.9195203
11	0.0404618	0.9599821
12	0.02172949	0.98171159
13	0.01058616	0.99229775
14	0.00470496	0.99700271
15	0.00191684	0.99891955

16	0.00071881	0.99963836
17	0.000249	0.99988736
18	0.00007993	0.99996729
19	0.00002384	0.99999113
20	0.00000662	0.99999775
21	0.00000172	0.99999946
22	4.2e-7	0.99999988
23	9e-8	0.99999997
24	2e-8	1
25	0	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1

63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 69**

Erwartungswert:
μ = 6.9

Standardabweichung:
σ = 2.492

1σ-Intervall:
p(5≤X≤9) = 0.6836589

2σ-Intervall:
p(2≤X≤11) = 0.95394838

3σ-Intervall:
p(0≤X≤14) = 0.99700271

---

p = 0.1		**n = 70**
k	**p(X=k)**	**p(x≤k)**
0	0.00062658	0.00062658
1	0.00487339	0.00549997
2	0.01868133	0.0241813
3	0.04704927	0.07123057
4	0.08756393	0.1587945
5	0.12842709	0.28722159
6	0.15458817	0.44180976
7	0.15704195	0.5988517
8	0.1374117	0.73626341
9	0.10517933	0.84144274
10	0.07128821	0.91273095
11	0.04320498	0.95593592
12	0.02360272	0.97953864
13	0.01170049	0.99123914
14	0.00529308	0.99653222
15	0.00219565	0.99872786
16	0.00083862	0.99956648
17	0.00029598	0.99986246
18	0.00009683	0.9999593
19	0.00002945	0.99998874
20	0.00000834	0.99999709
21	0.00000221	0.99999929
22	5.5e-7	0.99999984
23	1.3e-7	0.99999997
24	3e-8	0.99999999

25	1e-8	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
k	**p(X=k)**	**p(x≤k)**

p = 0.1	n = 70
Erwartungswert: μ = 7	
Standardabweichung: σ = 2.51	
1σ-Intervall: p(5≤X≤9) = 0.68264824	
2σ-Intervall: p(2≤X≤12) = 0.97403867	
3σ-Intervall: p(0≤X≤14) = 0.99653222	

---

p = 0.1		n = 71
k	**p(X=k)**	**p(x≤k)**
0	0.00056392	0.00056392
1	0.00444871	0.00501263
2	0.01730054	0.02231317
3	0.04421248	0.06652564
4	0.08351246	0.15003811
5	0.12434078	0.27437888
6	0.15197206	0.42635094
7	0.15679657	0.58314751
8	0.13937473	0.72252224
9	0.10840257	0.8309248
10	0.07467732	0.90560213
11	0.0460133	0.95161543
12	0.02556294	0.97717837
13	0.01289072	0.99006909
14	0.00593382	0.99600291
15	0.00250539	0.9985083
16	0.00097432	0.99948262
17	0.00035025	0.99983286
18	0.00011675	0.99994961
19	0.00003619	0.9999858
20	0.00001045	0.99999625
21	0.00000282	0.99999907
22	7.1e-7	0.99999978
23	1.7e-7	0.99999995
24	4e-8	0.99999999
25	1e-8	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1

33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 71**

Erwartungswert:
$\mu = 7.1$

Standardabweichung:
$\sigma = 2.528$

1σ-Intervall:
$p(5 \le X \le 9) = 0.6808867$

2σ-Intervall:
$p(3 \le X \le 12) = 0.95486521$

3σ-Intervall:
$p(0 \le X \le 14) = 0.99600291$

p = 0.1		n = 72
k	**p(X=k)**	**p(x≤k)**
0	0.00050753	0.00050753
1	0.00406023	0.00456776
2	0.01601535	0.02058311
3	0.04152129	0.0621044
4	0.07958246	0.14168686
5	0.12025794	0.2619448
6	0.14920893	0.41115373
7	0.15631412	0.56746785
8	0.14111691	0.70858476
9	0.11149978	0.82008455
10	0.07804985	0.89813439
11	0.0488797	0.9470141
12	0.02760798	0.97462208
13	0.01415794	0.98878002
14	0.00662951	0.99540953
15	0.00284823	0.99825776
16	0.00112743	0.99938519
17	0.00041265	0.99979784
18	0.0001401	0.99993794
19	0.00004424	0.99998218
20	0.00001303	0.99999521
21	0.00000358	0.99999879
22	9.2e-7	0.99999971
23	2.2e-7	0.99999994
24	5e-8	0.99999999
25	1e-8	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1

42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 72**

Erwartungswert:
μ = 7.2

Standardabweichung:
σ = 2.546

1σ-Intervall:
p(5≤X≤9) = 0.67839769

2σ-Intervall:
p(3≤X≤12) = 0.95403897

3σ-Intervall:
p(0≤X≤14) = 0.99540953

---

p = 0.1		**n = 73**
k	**p(X=k)**	**p(x≤k)**
0	0.00045678	0.00045678
1	0.00370496	0.00416174

2	0.01481984	0.01898158
3	0.03897069	0.05795227
4	0.07577635	0.13372861
5	0.1161904	0.24991901
6	0.14631383	0.39623284
7	0.1556036	0.55183644
8	0.14263663	0.69447307
9	0.1144615	0.80893457
10	0.08139484	0.89032941
11	0.05179672	0.94212613
12	0.02973515	0.97186128
13	0.01550294	0.98736422
14	0.00738235	0.99474658
15	0.00322636	0.99797294
16	0.00129951	0.99927244
17	0.00048413	0.99975657
18	0.00016735	0.99992393
19	0.00005383	0.99997775
20	0.00001615	0.9999939
21	0.00000453	0.99999843
22	0.00000119	0.99999962
23	2.9e-7	0.99999991
24	7e-8	0.99999998
25	1e-8	1
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1

49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 73**

Erwartungswert:
μ = 7.3

Standardabweichung:
σ = 2.563

1σ-Intervall:
p(5≤X≤9) = 0.67520595

2σ-Intervall:
p(3≤X≤12) = 0.9528797

3σ-Intervall:
p(0≤X≤14) = 0.99474658

---

p = 0.1		**n = 74**
k	**p(X=k)**	**p(x≤k)**
0	0.0004111	0.0004111
1	0.00338014	0.00379124
2	0.01370835	0.01749959
3	0.03655561	0.0540552
4	0.07209578	0.12615098
5	0.11214899	0.23829997
6	0.14330149	0.38160146
7	0.15467462	0.53627608

8	0.14393333	0.68020941
9	0.11727901	0.79748842
10	0.08470151	0.88218993
11	0.05475653	0.93694645
12	0.03194131	0.96888776
13	0.01692616	0.98581393
14	0.00819441	0.99400834
15	0.00364196	0.9976503
16	0.00149219	0.99914249
17	0.00056567	0.99970816
18	0.00019903	0.99990719
19	0.00006518	0.99997237
20	0.00001992	0.99999229
21	0.00000569	0.99999798
22	0.00000152	0.9999995
23	3.8e-7	0.99999988
24	9e-8	0.99999997
25	2e-8	0.99999999
26	0	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1

55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 74**

Erwartungswert:
μ = 7.4

Standardabweichung:
σ = 2.581

1σ-Intervall:
p(5≤X≤9) = 0.67133744

2σ-Intervall:
p(3≤X≤12) = 0.95138817

3σ-Intervall:
p(0≤X≤15) = 0.9976503

---

p = 0.1		**n = 75**
k	**p(X=k)**	**p(x≤k)**
0	0.00036999	0.00036999
1	0.00308324	0.00345323
2	0.01267553	0.01612876
3	0.03427088	0.05039964
4	0.06854176	0.1189414
5	0.10814367	0.22708507
6	0.14018624	0.36727131
7	0.15353731	0.52080862
8	0.14500746	0.66581608
9	0.11994444	0.78576052
10	0.08795926	0.87371977
11	0.05775103	0.9314708
12	0.03422283	0.96569363

13	0.01842768	0.98412131
14	0.00906759	0.9931889
15	0.00409721	0.9972861
16	0.00170717	0.99899327
17	0.00065832	0.99965159
18	0.00023569	0.99988729
19	0.00007856	0.99996585
20	0.00002444	0.9999903
21	0.00000711	0.99999741
22	0.00000194	0.99999935
23	5e-7	0.99999985
24	1.2e-7	0.99999997
25	3e-8	0.99999999
26	1e-8	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1

60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 75**

Erwartungswert:
μ = 7.5

Standardabweichung:
σ = 2.598

1σ-Intervall:
p(5≤X≤10) = 0.75477837

2σ-Intervall:
p(3≤X≤12) = 0.94956488

3σ-Intervall:
p(0≤X≤15) = 0.9972861

---

p = 0.1		**n = 76**
k	**p(X=k)**	**p(x≤k)**
0	0.00033299	0.00033299
1	0.00281191	0.0031449
2	0.0117163	0.0148612
3	0.03211135	0.04697255
4	0.06511467	0.11208722
5	0.10418348	0.2162707
6	0.13698198	0.35325269
7	0.1522022	0.50545489
8	0.14586044	0.65131533
9	0.12245074	0.77376607
10	0.09115778	0.86492385
11	0.06077185	0.9256957
12	0.03657565	0.96227135
13	0.02000719	0.98227854
14	0.0100036	0.99228214
15	0.00459424	0.99687638
16	0.00194617	0.99882256

17	0.00076321	0.99958576
18	0.00027796	0.99986372
19	0.00009428	0.999958
20	0.00002985	0.99998785
21	0.00000885	0.9999967
22	0.00000246	0.99999916
23	6.4e-7	0.9999998
24	1.6e-7	0.99999995
25	4e-8	0.99999999
26	1e-8	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1

64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 76**

Erwartungswert:
μ = 7.6

Standardabweichung:
σ = 2.615

1σ-Intervall:
p(5≤X≤10) = 0.75283662

2σ-Intervall:
p(3≤X≤12) = 0.94741015

3σ-Intervall:
p(0≤X≤15) = 0.99687638

---

p = 0.1		**n = 77**
k	**p(X=k)**	**p(x≤k)**
0	0.00029969	0.00029969
1	0.00256402	0.00286371
2	0.01082586	0.01368957
3	0.03007184	0.04376142
4	0.06181434	0.10557576
5	0.1002766	0.20585236
6	0.13370213	0.33955449
7	0.15068018	0.49023467
8	0.14649462	0.63672929
9	0.12479171	0.761521
10	0.09428707	0.85580807
11	0.06381044	0.91961851
12	0.03899527	0.95861378
13	0.02166404	0.98027782
14	0.01100396	0.99128178
15	0.00513518	0.99641696
16	0.00221098	0.99862794
17	0.0008815	0.99950944
18	0.00032648	0.99983592
19	0.00011265	0.99994857

20	0.0000363	0.99998487
21	0.00001095	0.99999581
22	0.0000031	0.99999891
23	8.2e-7	0.99999973
24	2.1e-7	0.99999994
25	5e-8	0.99999999
26	1e-8	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1

67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 77**

Erwartungswert:
μ = 7.7

Standardabweichung:
σ = 2.632

1σ-Intervall:
p(6≤X≤10) = 0.64995572

2σ-Intervall:
p(3≤X≤12) = 0.94492421

3σ-Intervall:
p(0≤X≤15) = 0.99641696

---

p = 0.1		**n = 78**
k	**p(X=k)**	**p(x≤k)**
0	0.00026972	0.00026972
1	0.00233759	0.00260731
2	0.00999968	0.01260699
3	0.02814724	0.04075423
4	0.05864009	0.09939432
5	0.09643037	0.1958247
6	0.13035958	0.32618427
7	0.14898238	0.47516665
8	0.14691318	0.62207982
9	0.126962	0.74904183
10	0.09733754	0.84637936
11	0.06685811	0.91323747
12	0.04147679	0.95471426
13	0.02339716	0.97811142
14	0.01206996	0.99018138
15	0.00572206	0.99590344
16	0.0025034	0.99840684
17	0.00101445	0.99942129
18	0.00038198	0.99980328
19	0.00013403	0.99993731
20	0.00004393	0.99998124
21	0.00001348	0.99999472

22	0.00000388	0.9999986
23	0.00000105	0.99999965
24	2.7e-7	0.99999992
25	6e-8	0.99999998
26	1e-8	1
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1

69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 78**

Erwartungswert:
μ = 7.8

Standardabweichung:
σ = 2.65

1σ-Intervall:
p(6≤X≤10) = 0.65055467

2σ-Intervall:
p(3≤X≤13) = 0.96550443

3σ-Intervall:
p(0≤X≤15) = 0.99590344

---

p = 0.1		**n = 79**
k	**p(X=k)**	**p(x≤k)**
0	0.00024275	0.00024275
1	0.0021308	0.00237355
2	0.00923347	0.01160702
3	0.02633249	0.03793951
4	0.05559081	0.09353031
5	0.09265134	0.18618166
6	0.12696666	0.31314832
7	0.1471201	0.46026841
8	0.1471201	0.60738851
9	0.12895712	0.73634563
10	0.10029998	0.83664561
11	0.06990605	0.90655166
12	0.04401492	0.95056658
13	0.02520512	0.9757717
14	0.01320268	0.98897439
15	0.00635685	0.99533124
16	0.00282527	0.9981565
17	0.00116334	0.99931985
18	0.00044523	0.99976508
19	0.00015882	0.9999239
20	0.00005294	0.99997684
21	0.00001653	0.99999337
22	0.00000484	0.99999821

23	0.00000133	0.99999955
24	3.5e-7	0.99999989
25	8e-8	0.99999998
26	2e-8	0.99999999
27	0	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1

70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 79**

Erwartungswert:
μ = 7.9

Standardabweichung:
σ = 2.666

1σ-Intervall:
p(6≤X≤10) = 0.65046395

2σ-Intervall:
p(3≤X≤13) = 0.96416468

3σ-Intervall:
p(0≤X≤15) = 0.99533124

---

p = 0.1		**n = 80**
k	**p(X=k)**	**p(x≤k)**
0	0.00021847	0.00021847
1	0.001942	0.00216047
2	0.0085232	0.01068367
3	0.02462259	0.03530626
4	0.05266497	0.08797123
5	0.08894529	0.17691652
6	0.12353513	0.30045165
7	0.14510475	0.4455564
8	0.1471201	0.5926765
9	0.13077342	0.72344992
10	0.1031657	0.82661561
11	0.07294544	0.89956105
12	0.04660403	0.94616509
13	0.0270861	0.97325119
14	0.01440293	0.98765412
15	0.00704143	0.99469555
16	0.00317842	0.99787398
17	0.00132954	0.99920351
18	0.00051704	0.99972055
19	0.00018747	0.99990802
20	0.00006353	0.99997155
21	0.00002017	0.99999172
22	0.00000601	0.99999773

23	0.00000168	0.99999941
24	4.4e-7	0.99999986
25	1.1e-7	0.99999997
26	3e-8	0.99999999
27	1e-8	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1

70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 80**

Erwartungswert:
μ = 8

Standardabweichung:
σ = 2.683

1σ-Intervall:
p(6≤X≤10) = 0.64969909

2σ-Intervall:
p(3≤X≤13) = 0.96256752

3σ-Intervall:
p(0≤X≤16) = 0.99787398

---

p = 0.1		**n = 81**
k	**p(X=k)**	**p(x≤k)**
0	0.00019663	0.00019663
1	0.00176964	0.00196627
2	0.00786508	0.00983135
3	0.02301265	0.032844
4	0.04986074	0.08270474
5	0.08531726	0.168022
6	0.12007614	0.28809814
7	0.14294779	0.43104593
8	0.14691856	0.57796449
9	0.13240809	0.71037257
10	0.10592647	0.81629904
11	0.07596747	0.89226651
12	0.04923817	0.94150468
13	0.0290379	0.97054258
14	0.01567125	0.98621383
15	0.00777758	0.99399141
16	0.00356472	0.99755613
17	0.00151443	0.99907056
18	0.00059829	0.99966885
19	0.00022042	0.99988927
20	0.00007592	0.9999652
21	0.0000245	0.9999897

22	0.00000743	0.99999713
23	0.00000212	0.99999924
24	5.7e-7	0.99999981
25	1.4e-7	0.99999996
26	3e-8	0.99999999
27	1e-8	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1

69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
81	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 81**

Erwartungswert:
μ = 8.1

Standardabweichung:
σ = 2.7

1σ-Intervall:
p(6≤X≤10) = 0.64827705

2σ-Intervall:
p(3≤X≤13) = 0.96071123

3σ-Intervall:
p(0≤X≤16) = 0.99755613

---

p = 0.1		**n = 82**
k	**p(X=k)**	**p(x≤k)**
0	0.00017696	0.00017696
1	0.00161234	0.00178931
2	0.00725554	0.00904484
3	0.02149789	0.03054274
4	0.04717593	0.07771866
5	0.08177161	0.15949027
6	0.11660025	0.27609052
7	0.14066062	0.41675115
8	0.14652148	0.56327263
9	0.13385913	0.69713177
10	0.10857463	0.8057064
11	0.07896337	0.88466976
12	0.0519111	0.93658087
13	0.03105792	0.96763879
14	0.01700791	0.9846467
15	0.00856695	0.99321365
16	0.00398601	0.99719966
17	0.00171946	0.99891912
18	0.0006899	0.99960902
19	0.00025821	0.99986723

20	0.00009037	0.9999576
21	0.00002965	0.99998725
22	0.00000913	0.99999638
23	0.00000265	0.99999903
24	7.2e-7	0.99999975
25	1.9e-7	0.99999994
26	5e-8	0.99999999
27	1e-8	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1

67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
81	0	1
82	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 82**

Erwartungswert:
μ = 8.2

Standardabweichung:
σ = 2.717

1σ-Intervall:
p(6≤X≤10) = 0.64621613

2σ-Intervall:
p(3≤X≤13) = 0.95859395

3σ-Intervall:
p(1≤X≤16) = 0.9970227

---

p = 0.1		**n = 83**
k	**p(X=k)**	**p(x≤k)**
0	0.00015927	0.00015927
1	0.0014688	0.00162807
2	0.00669122	0.00831929
3	0.02007366	0.02839295
4	0.04460812	0.07300107
5	0.07831204	0.15131311
6	0.11311739	0.2644305
7	0.13825459	0.40268509
8	0.1459354	0.54862048
9	0.13512537	0.68374585
10	0.11110308	0.79484893
11	0.08192449	0.87677343
12	0.05461633	0.93138976
13	0.03314324	0.964533
14	0.01841291	0.98294591
15	0.00941104	0.99235696
16	0.0044441	0.99680106

17	0.00194611	0.99874717
18	0.00079286	0.99954003
19	0.00030138	0.99984141
20	0.00010716	0.99994857
21	0.00003572	0.99998429
22	0.00001118	0.99999547
23	0.0000033	0.99999877
24	9.2e-7	0.99999968
25	2.4e-7	0.99999992
26	6e-8	0.99999998
27	1e-8	1
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1

64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
81	0	1
82	0	1
83	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 83**

Erwartungswert:
μ = 8.3

Standardabweichung:
σ = 2.733

1σ-Intervall:
p(6≤X≤11) = 0.72546032

2σ-Intervall:
p(3≤X≤13) = 0.95621371

3σ-Intervall:
p(1≤X≤16) = 0.99664179

---

p = 0.1		**n = 84**
k	**p(X=k)**	**p(x≤k)**
0	0.00014334	0.00014334
1	0.00133785	0.00148119
2	0.00616898	0.00765017
3	0.01873541	0.02638558
4	0.04215468	0.06854026
5	0.07494165	0.1434819
6	0.10963685	0.25311876
7	0.13574087	0.38885963
8	0.14516732	0.53402694
9	0.13620637	0.67023332
10	0.11350531	0.78373862
11	0.08484235	0.86858098
12	0.05734715	0.92592812

13	0.03529055	0.96121867
14	0.01988595	0.98110462
15	0.01031123	0.99141585
16	0.0049408	0.99635665
17	0.00219591	0.99855256
18	0.00090819	0.99946074
19	0.00035053	0.99981127
20	0.00012658	0.99993785
21	0.00004286	0.99998071
22	0.00001364	0.99999435
23	0.00000408	0.99999844
24	0.00000115	0.99999959
25	3.1e-7	0.9999999
26	8e-8	0.99999998
27	2e-8	0.99999999
28	0	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1

60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
81	0	1
82	0	1
83	0	1
84	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 84**
Erwartungswert: μ = 8.4		
Standardabweichung: σ = 2.75		
1σ-Intervall: p(6≤X≤11) = 0.72509907		
2σ-Intervall: p(3≤X≤13) = 0.95356851		
3σ-Intervall: p(1≤X≤16) = 0.99621331		

---

p = 0.1		**n = 85**
k	**p(X=k)**	**p(x≤k)**
0	0.00012901	0.00012901
1	0.0012184	0.00134741
2	0.00568586	0.00703327
3	0.01747877	0.02451204
4	0.03981275	0.06432479
5	0.07166295	0.13598774
6	0.10616733	0.24215507
7	0.13313047	0.37528554

8	0.14422467	0.51951021
9	0.13710247	0.65661268
10	0.11577542	0.77238809
11	0.08770865	0.86009674
12	0.06009667	0.92019341
13	0.03749621	0.95768962
14	0.02142641	0.97911603
15	0.0112687	0.99038473
16	0.00547784	0.99586257
17	0.0024704	0.99833297
18	0.00103696	0.99936993
19	0.00040629	0.99977622
20	0.00014897	0.99992519
21	0.00005123	0.99997643
22	0.00001656	0.99999299
23	0.00000504	0.99999803
24	0.00000145	0.99999948
25	3.9e-7	0.99999987
26	1e-7	0.99999997
27	2e-8	0.99999999
28	1e-8	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1

55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
81	0	1
82	0	1
83	0	1
84	0	1
85	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 85**
Erwartungswert: μ = 8.5		
Standardabweichung: σ = 2.766		
1σ-Intervall: p(6≤X≤11) = 0.724109		
2σ-Intervall: p(3≤X≤14) = 0.97208275		
3σ-Intervall: p(1≤X≤16) = 0.99573356		

---

p = 0.1		**n = 86**
k	**p(X=k)**	**p(x≤k)**
0	0.00011611	0.00011611

1	0.00110946	0.00122557
2	0.00523912	0.00646468
3	0.01629948	0.02276416
4	0.03757935	0.06034351
5	0.06847793	0.12882144
6	0.1027169	0.23153834
7	0.13043415	0.36197249
8	0.14311525	0.50508775
9	0.13781469	0.64290243
10	0.11790812	0.76081055
11	0.09051532	0.85132588
12	0.06285786	0.91418374
13	0.03975626	0.95394
14	0.02303339	0.97697338
15	0.01228447	0.98925786
16	0.00605693	0.99531479
17	0.00277114	0.99808593
18	0.0011803	0.99926623
19	0.00046936	0.99973559
20	0.00017471	0.9999103
21	0.00006101	0.9999713
22	0.00002003	0.99999133
23	0.00000619	0.99999752
24	0.00000181	0.99999933
25	5e-7	0.99999983
26	1.3e-7	0.99999996
27	3e-8	0.99999999
28	1e-8	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1

48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
81	0	1
82	0	1
83	0	1
84	0	1
85	0	1
86	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 86**
Erwartungswert: μ = 8.6		
Standardabweichung: σ = 2.782		
1σ-Intervall: p(6≤X≤11) = 0.72250443		
2σ-Intervall: p(4≤X≤14) = 0.95420922		

3σ-Intervall:
p(1≤X≤16) = 0.99519868

p = 0.1		n = 87
k	**p(X=k)**	**p(x≤k)**
0	0.0001045	0.0001045
1	0.00101012	0.00111462
2	0.00482615	0.00594077
3	0.01519344	0.02113421
4	0.03545136	0.05658558
5	0.06538807	0.12197365
6	0.099293	0.22126665
7	0.12766243	0.34892908
8	0.14184714	0.49077622
9	0.13834474	0.62912096
10	0.11989878	0.74901974
11	0.0932546	0.84227434
12	0.06562361	0.90789796
13	0.04206642	0.94996437
14	0.02470567	0.97467005
15	0.01335936	0.98802941
16	0.00667968	0.99470909
17	0.00309972	0.99780881
18	0.00133939	0.9991482
19	0.00054045	0.99968865
20	0.00020417	0.99989283
21	0.00007238	0.9999652
22	0.00002413	0.99998933
23	0.00000758	0.99999691
24	0.00000224	0.99999915
25	6.3e-7	0.99999978
26	1.7e-7	0.99999995
27	4e-8	0.99999999
28	1e-8	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1

42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
81	0	1
82	0	1
83	0	1
84	0	1
85	0	1
86	0	1
87	0	1
k	**p(X=k)**	**p(x≤k)**

p = 0.1	n = 87
Erwartungswert: μ = 8.7	
Standardabweichung: σ = 2.798	
1σ-Intervall: p(6≤X≤11) = 0.72030069	
2σ-Intervall: p(4≤X≤14) = 0.95353583	
3σ-Intervall: p(1≤X≤17) = 0.99770432	

---

p = 0.1		n = 88
k	**p(X=k)**	**p(x≤k)**
0	0.00009405	0.00009405
1	0.00091956	0.00101361
2	0.00444455	0.00545816
3	0.01415671	0.01961487
4	0.03342557	0.05304044
5	0.0623944	0.11543484
6	0.09590251	0.21133735
7	0.12482548	0.33616284
8	0.14042867	0.47659151
9	0.13869498	0.61528649
10	0.12174337	0.73702986
11	0.09591902	0.83294888
12	0.06838671	0.90133559
13	0.04442214	0.94575773
14	0.02644175	0.97219948
15	0.014494	0.98669347
16	0.00734765	0.99404112
17	0.00345772	0.99749884
18	0.00151542	0.99901426
19	0.00062035	0.99963461
20	0.0002378	0.99987241
21	0.00008556	0.99995797
22	0.00002895	0.99998692
23	0.00000923	0.99999615
24	0.00000278	0.99999893
25	7.9e-7	0.99999972
26	2.1e-7	0.99999993
27	5e-8	0.99999998
28	1e-8	1
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1

34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1

81	0	1
82	0	1
83	0	1
84	0	1
85	0	1
86	0	1
87	0	1
88	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 88**

Erwartungswert:
μ = 8.8

Standardabweichung:
σ = 2.814

1σ-Intervall:
p(6≤X≤11) = 0.71751404

2σ-Intervall:
p(4≤X≤14) = 0.95258461

3σ-Intervall:
p(1≤X≤17) = 0.9974048

---

p = 0.1		**n = 89**
k	**p(X=k)**	**p(x≤k)**
0	0.00008464	0.00008464
1	0.00083701	0.00092165
2	0.00409205	0.0050137
3	0.0131855	0.0181992
4	0.03149869	0.04969789
5	0.05949752	0.1091954
6	0.0925517	0.2017471
7	0.12193319	0.32368029
8	0.13886835	0.46254864
9	0.13886835	0.60141699
10	0.12343853	0.72485553
11	0.09850146	0.82335698
12	0.07113994	0.89449692
13	0.04681859	0.94131552
14	0.02823979	0.9695553
15	0.01568877	0.98524407
16	0.00806228	0.99330636
17	0.00384671	0.99715307
18	0.00170965	0.99886272
19	0.00070985	0.99957257
20	0.00027605	0.99984863
21	0.00010078	0.99994941
22	0.00003461	0.99998402
23	0.0000112	0.99999522
24	0.00000342	0.99999865

25	9.9e-7	0.99999964
26	2.7e-7	0.99999991
27	7e-8	0.99999998
28	2e-8	0.99999999
29	0	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
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57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1

72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
81	0	1
82	0	1
83	0	1
84	0	1
85	0	1
86	0	1
87	0	1
88	0	1
89	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 89**
Erwartungswert: μ = 8.9		
Standardabweichung: σ = 2.83		
1σ-Intervall: p(7≤X≤11) = 0.62160988		
2σ-Intervall: p(4≤X≤14) = 0.9513561		
3σ-Intervall: p(1≤X≤17) = 0.99706843		

---

p = 0.1		**n = 90**
k	**p(X=k)**	**p(x≤k)**
0	0.00007618	0.00007618
1	0.00076177	0.00083795
2	0.00376655	0.0046045
3	0.01227615	0.01688065
4	0.02966737	0.04654802
5	0.05669764	0.10324565
6	0.08924628	0.19249193
7	0.11899504	0.31148697
8	0.13717484	0.4486618
9	0.13886835	0.58753016
10	0.12498152	0.71251167
11	0.10099516	0.81350684
12	0.07387609	0.88738293
13	0.04925073	0.93663366
14	0.03009767	0.96673133

15	0.01694387	0.9836752
16	0.00882493	0.99250013
17	0.00426827	0.9967684
18	0.00192336	0.99869175
19	0.00080983	0.99950159
20	0.00031943	0.99982102
21	0.00011831	0.99993933
22	0.00004123	0.99998056
23	0.00001354	0.9999941
24	0.0000042	0.99999831
25	0.00000123	0.99999954
26	3.4e-7	0.99999988
27	9e-8	0.99999997
28	2e-8	0.99999999
29	1e-8	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1

62	0	1
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64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
81	0	1
82	0	1
83	0	1
84	0	1
85	0	1
86	0	1
87	0	1
88	0	1
89	0	1
90	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 90**

Erwartungswert:
μ = 9

Standardabweichung:
σ = 2.846

1σ-Intervall:
p(7≤X≤11) = 0.62101491

2σ-Intervall:
p(4≤X≤14) = 0.94985068

3σ-Intervall:
p(1≤X≤17) = 0.99669222

---

p = 0.1		**n = 91**
k	**p(X=k)**	**p(x≤k)**
0	0.00006856	0.00006856
1	0.00069321	0.00076177
2	0.00346607	0.00422784
3	0.01142519	0.01565303

4	0.02792825	0.04358128
5	0.05399461	0.09757589
6	0.08599141	0.1835673
7	0.11602016	0.29958746
8	0.13535686	0.43494432
9	0.138699	0.57364332
10	0.1263702	0.70001352
11	0.1033938	0.80340732
12	0.076588	0.87999532
13	0.05171326	0.93170858
14	0.03201297	0.96372156
15	0.01825925	0.98198081
16	0.00963683	0.99161764
17	0.00472393	0.99634157
18	0.00215785	0.99849942
19	0.00092119	0.99942061
20	0.00036847	0.99978908
21	0.00013842	0.9999275
22	0.00004894	0.99997644
23	0.00001631	0.99999275
24	0.00000514	0.99999789
25	0.00000153	0.99999941
26	4.3e-7	0.99999985
27	1.2e-7	0.99999996
28	3e-8	0.99999999
29	1e-8	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
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45	0	1
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51	0	1
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61	0	1
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72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
81	0	1
82	0	1
83	0	1
84	0	1
85	0	1
86	0	1
87	0	1
88	0	1
89	0	1
90	0	1
91	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 91**
Erwartungswert: $\mu = 9.1$		
Standardabweichung: $\sigma = 2.862$		
1σ-Intervall: $p(7 \le X \le 11) = 0.61984002$		

2σ-Intervall: p(4≤X≤14) = 0.94806852
3σ-Intervall: p(1≤X≤17) = 0.99627301

---

p = 0.1		n = 92
k	**p(X=k)**	**p(x≤k)**
0	0.0000617	0.0000617
1	0.00063075	0.00069245
2	0.00318878	0.00388124
3	0.01062928	0.01451052
4	0.02627794	0.04078846
5	0.05138797	0.09217643
6	0.08279173	0.17496816
7	0.11301729	0.28798545
8	0.13342319	0.42140863
9	0.13836479	0.55977342
10	0.12760308	0.6873765
11	0.10569144	0.79306794
12	0.07926858	0.87233652
13	0.05420074	0.92653726
14	0.033983	0.96052026
15	0.01963462	0.98015488
16	0.01049907	0.99065395
17	0.00521522	0.99586918
18	0.00241446	0.99828363
19	0.00104485	0.99932849
20	0.00042375	0.99975223
21	0.00016143	0.99991366
22	0.00005789	0.99997154
23	0.00001957	0.99999112
24	0.00000625	0.99999737
25	0.00000189	0.99999926
26	5.4e-7	0.9999998
27	1.5e-7	0.99999995
28	4e-8	0.99999999
29	1e-8	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1

40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
81	0	1
82	0	1
83	0	1
84	0	1
85	0	1
86	0	1

87	0	1
88	0	1
89	0	1
90	0	1
91	0	1
92	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 92**

Erwartungswert:
μ = 9.2

Standardabweichung:
σ = 2.877

1σ-Intervall:
p(7≤X≤12) = 0.69736836

2σ-Intervall:
p(4≤X≤14) = 0.94600975

3σ-Intervall:
p(1≤X≤17) = 0.99580748

---

p = 0.1		**n = 93**
k	**p(X=k)**	**p(x≤k)**
0	0.00005553	0.00005553
1	0.00057384	0.00062938
2	0.00293298	0.00356236
3	0.00988523	0.01344759
4	0.02471307	0.03816066
5	0.04887697	0.08703763
6	0.07965136	0.16668899
7	0.10999473	0.27668372
8	0.1313826	0.40806632
9	0.13787063	0.54593694
10	0.12867925	0.67461619
11	0.1078826	0.7824988
12	0.08191087	0.86440966
13	0.05670752	0.92111718
14	0.03600478	0.95712196
15	0.02106946	0.97819142
16	0.01141263	0.98960405
17	0.00574361	0.99534766
18	0.00269453	0.99804219
19	0.00118181	0.999224
20	0.00048586	0.99970986
21	0.00018766	0.99989752
22	0.00006824	0.99996576
23	0.00002341	0.99998916
24	0.00000759	0.99999675
25	0.00000233	0.99999907
26	6.8e-7	0.99999975

27	1.9e-7	0.99999994
28	5e-8	0.99999998
29	1e-8	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
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61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
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69	0	1
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83	0	1
84	0	1
85	0	1
86	0	1
87	0	1
88	0	1
89	0	1
90	0	1
91	0	1
92	0	1
93	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 93**

Erwartungswert:
μ = 9.3

Standardabweichung:
σ = 2.893

1σ-Intervall:
p(7≤X≤12) = 0.69772067

2σ-Intervall:
p(4≤X≤15) = 0.96474384

3σ-Intervall:
p(1≤X≤17) = 0.99529212

---

p = 0.1		**n = 94**
k	**p(X=k)**	**p(x≤k)**
0	0.00004998	0.00004998
1	0.00052201	0.00057199
2	0.00269707	0.00326906
3	0.00919	0.01245906
4	0.02323029	0.03568935
5	0.04646058	0.08214993
6	0.07657392	0.15872385
7	0.10696039	0.26568425
8	0.12924381	0.39492806
9	0.13722182	0.53214988
10	0.12959839	0.66174827
11	0.10996227	0.77171054
12	0.08450804	0.85621858

13	0.05922786	0.91544643
14	0.03807505	0.95352148
15	0.02256299	0.97608448
16	0.01237831	0.98846279
17	0.00631051	0.9947733
18	0.00299944	0.99777274
19	0.00133308	0.99910582
20	0.00055545	0.99966127
21	0.00021748	0.99987875
22	0.00008018	0.99995893
23	0.00002789	0.99998682
24	0.00000917	0.99999599
25	0.00000285	0.99999884
26	8.4e-7	0.99999968
27	2.4e-7	0.99999992
28	6e-8	0.99999998
29	2e-8	1
30	0	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1

60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
81	0	1
82	0	1
83	0	1
84	0	1
85	0	1
86	0	1
87	0	1
88	0	1
89	0	1
90	0	1
91	0	1
92	0	1
93	0	1
94	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 94**
Erwartungswert: μ = 9.4		
Standardabweichung: σ = 2.909		
1σ-Intervall: p(7≤X≤12) = 0.69749472		
2σ-Intervall: p(4≤X≤15) = 0.96362541		
3σ-Intervall: p(1≤X≤18) = 0.99772276		

p = 0.1		n = 95
k	p(X=k)	p(x≤k)
0	0.00004498	0.00004498
1	0.00047481	0.00051979
2	0.00247956	0.00299935
3	0.00854071	0.01154006
4	0.02182626	0.03336633
5	0.04413755	0.07750388
6	0.07356258	0.15106646
7	0.10392175	0.25498821
8	0.12701547	0.38200368
9	0.13642402	0.5184277
10	0.13036073	0.64878843
11	0.11192588	0.76071431
12	0.08705346	0.84776777
13	0.06175588	0.90952365
14	0.04019033	0.94971398
15	0.0241142	0.97382818
16	0.01339678	0.98722495
17	0.00691729	0.99414224
18	0.00333055	0.99747279
19	0.00149972	0.99897251
20	0.00063322	0.99960573
21	0.00025128	0.999857
22	0.00009391	0.99995091
23	0.00003312	0.99998403
24	0.00001104	0.99999507
25	0.00000348	0.99999856
26	0.00000104	0.9999996
27	3e-7	0.99999989
28	8e-8	0.99999997
29	2e-8	0.99999999
30	1e-8	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1

45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
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58	0	1
59	0	1
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81	0	1
82	0	1
83	0	1
84	0	1
85	0	1
86	0	1
87	0	1
88	0	1
89	0	1
90	0	1
91	0	1

92	0	1
93	0	1
94	0	1
95	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 95**

Erwartungswert:
μ = 9.5

Standardabweichung:
σ = 2.924

1σ-Intervall:
p(7≤X≤12) = 0.69670131

2σ-Intervall:
p(4≤X≤15) = 0.96228811

3σ-Intervall:
p(1≤X≤18) = 0.99742781

---

p = 0.1		**n = 96**
k	**p(X=k)**	**p(x≤k)**
0	0.00004048	0.00004048
1	0.00043183	0.00047231
2	0.00227909	0.0027514
3	0.0079346	0.01068599
4	0.02049771	0.0311837
5	0.04190642	0.07309012
6	0.07062008	0.1437102
7	0.10088583	0.24459603
8	0.1247061	0.36930213
9	0.13548317	0.50478529
10	0.13096706	0.63575236
11	0.11376937	0.74952172
12	0.0895407	0.83906243
13	0.06428563	0.90334806
14	0.04234689	0.94569494
15	0.02572181	0.97141676
16	0.01446852	0.98588528
17	0.00756524	0.99345052
18	0.00368922	0.99713974
19	0.0016828	0.99882254
20	0.00071987	0.99954241
21	0.00028947	0.99983187
22	0.00010965	0.99994152
23	0.0000392	0.99998072
24	0.00001325	0.99999397
25	0.00000424	0.99999821
26	0.00000129	0.99999949
27	3.7e-7	0.99999986
28	1e-7	0.99999997

29	3e-8	0.99999999
30	1e-8	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
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74	0	1
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83	0	1
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85	0	1
86	0	1
87	0	1
88	0	1
89	0	1
90	0	1
91	0	1
92	0	1
93	0	1
94	0	1
95	0	1
96	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 96**
Erwartungswert: μ = 9.6		
Standardabweichung: σ = 2.939		
1σ-Intervall: p(7≤X≤12) = 0.69535222		
2σ-Intervall: p(4≤X≤15) = 0.96073076		
3σ-Intervall: p(1≤X≤18) = 0.99709925		

---

p = 0.1		**n = 97**
k	**p(X=k)**	**p(x≤k)**
0	0.00003644	0.00003644
1	0.00039269	0.00042913
2	0.00209436	0.00252349
3	0.00736905	0.00989253
4	0.0192414	0.02913393
5	0.03976555	0.06889948
6	0.06774872	0.13664819
7	0.09785926	0.23450745
8	0.12232407	0.35683152
9	0.13440546	0.49123698
10	0.13141867	0.62265565
11	0.11548914	0.73814478

12	0.09196357	0.83010835
13	0.06681114	0.8969195
14	0.04454076	0.94146026
15	0.02738432	0.96884458
16	0.01559385	0.98443842
17	0.00825557	0.99269399
18	0.00407682	0.99677081
19	0.00188344	0.99865426
20	0.00081616	0.99947042
21	0.00033251	0.99980293
22	0.00012763	0.99993056
23	0.00004624	0.9999768
24	0.00001584	0.99999264
25	0.00000514	0.99999778
26	0.00000158	0.99999936
27	4.6e-7	0.99999983
28	1.3e-7	0.99999995
29	3e-8	0.99999999
30	1e-8	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
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54	0	1
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56	0	1
57	0	1
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59	0	1
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63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
81	0	1
82	0	1
83	0	1
84	0	1
85	0	1
86	0	1
87	0	1
88	0	1
89	0	1
90	0	1
91	0	1
92	0	1
93	0	1
94	0	1
95	0	1
96	0	1
97	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 97**

Erwartungswert:
μ = 9.7

Standardabweichung:
σ = 2.955

1σ-Intervall:
p(7≤X≤12) = 0.69346016

2σ-Intervall:
p(4≤X≤15) = 0.95895204

3σ-Intervall:
p(1≤X≤18) = 0.99673438

p = 0.1		n = 98
k	**p(X=k)**	**p(x≤k)**
0	0.00003279	0.00003279
1	0.00035707	0.00038986
2	0.00192419	0.00231405
3	0.00684158	0.00915563
4	0.01805416	0.02720979
5	0.03771313	0.06492292
6	0.0649504	0.12987332
7	0.0948482	0.22472152
8	0.11987759	0.34459911
9	0.13319732	0.47779643
10	0.13171735	0.60951378
11	0.11708209	0.72659587
12	0.09431613	0.820912
13	0.06932638	0.89023838
14	0.0467678	0.93700618
15	0.02909996	0.96610614
16	0.0167729	0.98287904
17	0.0089894	0.99186843
18	0.0044947	0.99636313
19	0.00210278	0.99846591
20	0.00092289	0.9993888
21	0.00038087	0.99976968
22	0.00014812	0.99991779
23	0.00005438	0.99997218
24	0.00001888	0.99999106
25	0.00000621	0.99999727
26	0.00000194	0.99999921
27	5.7e-7	0.99999978
28	1.6e-7	0.99999994
29	4e-8	0.99999999
30	1e-8	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1

42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1
70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
81	0	1
82	0	1
83	0	1
84	0	1
85	0	1
86	0	1
87	0	1
88	0	1

89	0	1
90	0	1
91	0	1
92	0	1
93	0	1
94	0	1
95	0	1
96	0	1
97	0	1
98	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 98**

Erwartungswert:
μ = 9.8

Standardabweichung:
σ = 2.97

1σ-Intervall:
p(7≤X≤12) = 0.69103868

2σ-Intervall:
p(4≤X≤15) = 0.95695052

3σ-Intervall:
p(1≤X≤18) = 0.99633034

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p = 0.1		**n = 99**
k	**p(X=k)**	**p(x≤k)**
0	0.00002951	0.00002951
1	0.00032464	0.00035415
2	0.00176748	0.00212163
3	0.00634984	0.00847147
4	0.0169329	0.02540437
5	0.03574724	0.06115161
6	0.06222667	0.12337828
7	0.09185842	0.2152367
8	0.11737465	0.33261135
9	0.13186535	0.4644767
10	0.13186535	0.59634205
11	0.11854561	0.71488766
12	0.09659272	0.81148038
13	0.07182536	0.88330574
14	0.04902366	0.9323294
15	0.03086675	0.96319615
16	0.0180056	0.98120175
17	0.00976775	0.9909695
18	0.00494417	0.99591366
19	0.00234197	0.99825564
20	0.00104088	0.99929651
21	0.00043508	0.99973159
22	0.00017139	0.99990298

23	0.00006376	0.99996674
24	0.00002243	0.99998917
25	0.00000748	0.99999665
26	0.00000236	0.99999901
27	7.1e-7	0.99999972
28	2e-7	0.99999993
29	6e-8	0.99999998
30	1e-8	1
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1
46	0	1
47	0	1
48	0	1
49	0	1
50	0	1
51	0	1
52	0	1
53	0	1
54	0	1
55	0	1
56	0	1
57	0	1
58	0	1
59	0	1
60	0	1
61	0	1
62	0	1
63	0	1
64	0	1
65	0	1
66	0	1
67	0	1
68	0	1
69	0	1

70	0	1
71	0	1
72	0	1
73	0	1
74	0	1
75	0	1
76	0	1
77	0	1
78	0	1
79	0	1
80	0	1
81	0	1
82	0	1
83	0	1
84	0	1
85	0	1
86	0	1
87	0	1
88	0	1
89	0	1
90	0	1
91	0	1
92	0	1
93	0	1
94	0	1
95	0	1
96	0	1
97	0	1
98	0	1
99	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 99**

Erwartungswert:
μ = 9.9

Standardabweichung:
σ = 2.985

1σ-Intervall:
p(7≤X≤12) = 0.6881021

2σ-Intervall:
p(4≤X≤15) = 0.95472468

3σ-Intervall:
p(1≤X≤18) = 0.99588415

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p = 0.1		**n = 100**
k	**p(X=k)**	**p(x≤k)**
0	0.00002656	0.00002656
1	0.00029513	0.00032169
2	0.0016232	0.00194488

3	0.0058916	0.00783649
4	0.0158746	0.02371108
5	0.0338658	0.05757689
6	0.05957873	0.11715562
7	0.08889525	0.20605086
8	0.11482303	0.32087389
9	0.13041628	0.45129017
10	0.13186535	0.58315551
11	0.11987759	0.7030331
12	0.09878801	0.80182111
13	0.07430209	0.87612321
14	0.05130383	0.92742703
15	0.03268244	0.96010947
16	0.01929172	0.97940119
17	0.01059153	0.98999272
18	0.00542653	0.99541925
19	0.00260219	0.99802144
20	0.00117099	0.99919243
21	0.00049566	0.99968808
22	0.00019776	0.99988584
23	0.00007452	0.99996036
24	0.00002656	0.99998693
25	0.00000897	0.9999959
26	0.00000288	0.99999878
27	8.8e-7	0.99999965
28	2.5e-7	0.99999991
29	7e-8	0.99999998
30	2e-8	0.99999999
31	0	1
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	0	1
41	0	1
42	0	1
43	0	1
44	0	1
45	0	1

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73	0	1
74	0	1
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89	0	1
90	0	1
91	0	1
92	0	1
93	0	1
94	0	1
95	0	1
96	0	1
97	0	1
98	0	1
99	0	1
100	0	1
k	**p(X=k)**	**p(x≤k)**
p = 0.1		**n = 100**

Erwartungswert:
μ = 10

Standardabweichung:
σ = 3

1σ-Intervall:
p(7≤X≤13) = 0.75896759

2σ-Intervall:
p(4≤X≤16) = 0.9715647

3σ-Intervall:
p(1≤X≤19) = 0.99799488