

Tabell 6. Binomialfördelningen

$P(X \leq x)$ där $X \in \text{Bin}(n, p)$.

För $p > .5$ utnyttja att $P(X \leq x) = P(Y \geq n - x)$ där $Y \in \text{Bin}(n, 1 - p)$

$f. et = n = 7$
 $P(X \leq 3) = P(Y \geq 4)$

n	x	p	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.50
2	0		.90250	.81000	.72250	.64000	.56250	.49000	.36000	.25000
	1		.99750	.99000	.97750	.96000	.93750	.91000	.84000	.75000
3	0		.85737	.72900	.61412	.51200	.42188	.34300	.21600	.12500
	1		.99275	.97200	.93925	.89600	.84375	.78400	.64800	.50000
	2		.99987	.99900	.99662	.99200	.98438	.97300	.93600	.87500
4	0		.81451	.65610	.52201	.40960	.31641	.24010	.12960	.06250
	1		.98598	.94770	.89048	.81920	.73828	.65170	.47520	.31250
	2		.99952	.99630	.98802	.97280	.94922	.91630	.82080	.68750
	3		.99999	.99990	.99949	.99840	.99609	.99190	.97440	.93750
5	0		.77378	.59049	.44371	.32768	.23730	.16807	.07776	.03125
	1		.97741	.91854	.83521	.73728	.63281	.52822	.33696	.18750
	2		.99884	.99144	.97339	.94208	.89648	.83692	.68256	.50000
	3		.99997	.99954	.99777	.99328	.98438	.96922	.91296	.81250
	4		1.00000	.99999	.99992	.99968	.99902	.99757	.98976	.96875
6	0		.73509	.53144	.37715	.26214	.17798	.11765	.04666	.01562
	1		.96723	.88574	.77648	.65536	.53394	.42017	.23328	.10938
	2		.99777	.98415	.95266	.90112	.83057	.74431	.54432	.34375
	3		.99991	.99873	.99411	.98304	.96240	.92953	.82080	.65625
	4		1.00000	.99995	.99960	.99840	.99536	.98906	.95904	.89063
	5		1.00000	1.00000	.99999	.99994	.99976	.99927	.99590	.98438
7	0		.69834	.47830	.32058	.20972	.13348	.08235	.02799	.00781
	1		.95562	.85031	.71658	.57672	.44495	.32942	.15863	.06250
	2		.99624	.97431	.92623	.85197	.75641	.64707	.41990	.22656
	3		.99981	.99727	.98790	.96666	.92944	.87396	.71021	.50000
	4		.99999	.99982	.99878	.99533	.98712	.97120	.90374	.77344
	5		1.00000	.99999	.99993	.99963	.99866	.99621	.98116	.93750
	6		1.00000	1.00000	1.00000	.99999	.99994	.99978	.99836	.99219
8	0		.66342	.43047	.27249	.16777	.10011	.05765	.01680	.00391
	1		.94276	.81310	.65718	.50332	.36708	.25530	.10638	.03516
	2		.99421	.96191	.89479	.79692	.67854	.55177	.31539	.14453
	3		.99963	.99498	.97865	.94372	.88618	.80590	.59409	.36328
	4		.99998	.99957	.99715	.98959	.97270	.94203	.82633	.63672
	5		1.00000	.99998	.99976	.99877	.99577	.98871	.95019	.85547
	6		1.00000	1.00000	.99999	.99992	.99962	.99871	.99148	.96484
	7		1.00000	1.00000	1.00000	1.00000	.99998	.99993	.99934	.99609
9	0		.63025	.38742	.23162	.13422	.07508	.04035	.01008	.00195
	1		.92879	.77484	.59948	.43621	.30034	.19600	.07054	.01953
	2		.99164	.94703	.85915	.73820	.60068	.46283	.23179	.08984
	3		.99936	.99167	.96607	.91436	.83427	.72966	.48261	.25391
	4		.99997	.99911	.99437	.98042	.95107	.90119	.73343	.50000
	5		1.00000	.99994	.99937	.99693	.99001	.97471	.90065	.74609
	6		1.00000	1.00000	.99995	.99969	.99866	.99571	.97497	.91016
	7		1.00000	1.00000	1.00000	.99998	.99989	.99957	.99620	.98047
	8		1.00000	1.00000	1.00000	1.00000	1.00000	.99998	.99974	.99805

Tabell 6 forts.

n	x	p	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.50
10	0		.59874	.34868	.19687	.10737	.05631	.02825	.00605	.00098
	1		.91386	.73610	.54430	.37581	.24403	.14931	.04636	.01074
	2		.98850	.92981	.82020	.67780	.52559	.38278	.16729	.05469
	3		.99897	.98720	.95003	.87913	.77588	.64961	.38228	.17188
	4		.99994	.99837	.99013	.96721	.92187	.84973	.63310	.37695
	5		1.00000	.99985	.99862	.99363	.98027	.95265	.83376	.62305
	6		1.00000	.99999	.99987	.99914	.99649	.98941	.94524	.82813
	7		1.00000	1.00000	.99999	.99992	.99958	.99841	.98771	.94531
	8		1.00000	1.00000	1.00000	1.00000	.99997	.99986	.99832	.98926
	9		1.00000	1.00000	1.00000	1.00000	1.00000	.99999	.99990	.99902
11	0		.56880	.31381	.16734	.08590	.04224	.01977	.00363	.00049
	1		.89811	.69736	.49219	.32212	.19710	.11299	.03023	.00586
	2		.98476	.91044	.77881	.61740	.45520	.31274	.11892	.03271
	3		.99845	.98147	.93056	.83886	.71330	.56956	.29628	.11328
	4		.99989	.99725	.98411	.94959	.88537	.78970	.53277	.27441
	5		.99999	.99970	.99734	.98835	.96567	.92178	.75350	.50000
	6		1.00000	.99998	.99968	.99803	.99244	.97838	.90065	.72559
	7		1.00000	1.00000	.99997	.99976	.99881	.99571	.97072	.88672
	8		1.00000	1.00000	1.00000	.99998	.99987	.99942	.99408	.96729
	9		1.00000	1.00000	1.00000	1.00000	.99999	.99995	.99927	.99414
	10		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99996	.99951
12	0		.54036	.28243	.14224	.06872	.03168	.01384	.00218	.00024
	1		.88164	.65900	.44346	.27488	.15838	.08503	.01959	.00317
	2		.98043	.88913	.73582	.55835	.39068	.25282	.08344	.01929
	3		.99776	.97436	.90779	.79457	.64878	.49252	.22534	.07300
	4		.99982	.99567	.97608	.92744	.84236	.72366	.43818	.19385
	5		.99999	.99946	.99536	.98059	.94560	.88215	.66521	.38721
	6		1.00000	.99995	.99933	.99610	.98575	.96140	.84179	.61279
	7		1.00000	1.00000	.99993	.99942	.99722	.99051	.94269	.80615
	8		1.00000	1.00000	.99999	.99994	.99961	.99831	.98473	.92700
	9		1.00000	1.00000	1.00000	1.00000	.99996	.99979	.99719	.98071
	10		1.00000	1.00000	1.00000	1.00000	1.00000	.99998	.99968	.99683
	11		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99998	.99976
13	0		.51334	.25419	.12091	.05498	.02376	.00969	.00131	.00012
	1		.86458	.62134	.39828	.23365	.12671	.06367	.01263	.00171
	2		.97549	.86612	.69196	.50165	.33260	.20248	.05790	.01123
	3		.99690	.96584	.88200	.74732	.58425	.42061	.16858	.04614
	4		.99971	.99354	.96584	.90087	.79396	.65431	.35304	.13342
	5		.99998	.99908	.99247	.96996	.91979	.83460	.57440	.29053
	6		1.00000	.99990	.99873	.99300	.97571	.93762	.77116	.50000
	7		1.00000	.99999	.99984	.99875	.99435	.98178	.90233	.70947
	8		1.00000	1.00000	.99998	.99983	.99901	.99597	.96792	.86658
	9		1.00000	1.00000	1.00000	.99998	.99987	.99935	.99221	.95386
	10		1.00000	1.00000	1.00000	1.00000	.99999	.99993	.99868	.98877
	11		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99986	.99829
	12		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99999	.99988

Tabell 6 forts.

n	x	p	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.50
14	0		.48767	.22877	.10277	.04398	.01782	.00678	.00078	.00006
	1		.84701	.58463	.35667	.19791	.10097	.04748	.00810	.00092
	2		.96995	.84164	.64791	.44805	.28113	.16084	.03979	.00647
	3		.99583	.95587	.85349	.69819	.52134	.35517	.12431	.02869
	4		.99957	.99077	.95326	.87016	.74153	.58420	.27926	.08978
	5		.99997	.99853	.98847	.95615	.88833	.78052	.48585	.21198
	6		1.00000	.99982	.99779	.98839	.96173	.90672	.69245	.39526
	7		1.00000	.99998	.99967	.99760	.98969	.96853	.84986	.60474
	8		1.00000	1.00000	.99996	.99962	.99785	.99171	.94168	.78802
	9		1.00000	1.00000	1.00000	.99995	.99966	.99833	.98249	.91022
	10		1.00000	1.00000	1.00000	1.00000	.99996	.99975	.99609	.97131
	11		1.00000	1.00000	1.00000	1.00000	1.00000	.99997	.99939	.99353
	12		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99994	.99908
	13		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99994
15	0		.46329	.20589	.08735	.03518	.01336	.00475	.00047	.00003
	1		.82905	.54904	.31859	.16713	.08018	.03527	.00517	.00049
	2		.96380	.81594	.60423	.39802	.23609	.12683	.02711	.00369
	3		.99453	.94444	.82266	.64816	.46129	.29687	.09050	.01758
	4		.99939	.98728	.93829	.83577	.68649	.51549	.21728	.05923
	5		.99995	.99775	.98319	.93895	.85163	.72162	.40322	.15088
	6		1.00000	.99969	.99639	.98194	.94338	.86886	.60981	.30362
	7		1.00000	.99997	.99939	.99576	.98270	.94999	.78690	.50000
	8		1.00000	1.00000	.99992	.99922	.99581	.98476	.90495	.69638
	9		1.00000	1.00000	.99999	.99989	.99921	.99635	.96617	.84912
	10		1.00000	1.00000	1.00000	.99999	.99988	.99933	.99065	.94077
	11		1.00000	1.00000	1.00000	1.00000	.99999	.99991	.99807	.98242
	12		1.00000	1.00000	1.00000	1.00000	1.00000	.99999	.99972	.99631
	13		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99997	.99951
	14		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99997
16	0		.44013	.18530	.07425	.02815	.01002	.00332	.00028	.00002
	1		.81076	.51473	.28390	.14074	.06348	.02611	.00329	.00026
	2		.95706	.78925	.56138	.35184	.19711	.09936	.01834	.00209
	3		.99300	.93159	.78989	.59813	.40499	.24586	.06515	.01064
	4		.99914	.98300	.92095	.79825	.63019	.44990	.16657	.03841
	5		.99992	.99670	.97646	.91831	.81035	.65978	.32884	.10506
	6		.99999	.99950	.99441	.97334	.92044	.82469	.52717	.22725
	7		1.00000	.99994	.99894	.99300	.97287	.92565	.71606	.40181
	8		1.00000	.99999	.99984	.99852	.99253	.97433	.85773	.59819
	9		1.00000	1.00000	.99998	.99975	.99836	.99287	.94168	.77275
	10		1.00000	1.00000	1.00000	.99997	.99971	.99843	.98086	.89494
	11		1.00000	1.00000	1.00000	1.00000	.99996	.99973	.99510	.96159
	12		1.00000	1.00000	1.00000	1.00000	1.00000	.99997	.99906	.98936
	13		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99987	.99791
	14		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99999	.99974
	15		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99998

Diffrens =
p(x)

Tabeller

Tabell 6 forts.

<i>n</i>	<i>x</i>	<i>p</i>	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.50
17	0		.41812	.16677	.06311	.02252	.00752	.00233	.00017	.00001
	1		.79223	.48179	.25245	.11822	.05011	.01928	.00209	.00014
	2		.94975	.76180	.51976	.30962	.16370	.07739	.01232	.00117
	3		.99120	.91736	.75561	.54888	.35302	.20191	.04642	.00636
	4		.99884	.97786	.90129	.75822	.57389	.38869	.12600	.02452
	5		.99988	.99533	.96813	.89430	.76531	.59682	.26393	.07173
	6		.99999	.99922	.99172	.96234	.89292	.77522	.44784	.16615
	7		1.00000	.99989	.99826	.98907	.95976	.89536	.64051	.31453
	8		1.00000	.99999	.99970	.99742	.98762	.95972	.80106	.50000
	9		1.00000	1.00000	.99996	.99951	.99690	.98731	.90810	.68547
	10		1.00000	1.00000	1.00000	.99992	.99937	.99676	.96519	.83385
	11		1.00000	1.00000	1.00000	.99999	.99990	.99934	.98941	.92827
	12		1.00000	1.00000	1.00000	1.00000	.99999	.99990	.99748	.97548
	13		1.00000	1.00000	1.00000	1.00000	1.00000	.99999	.99955	.99364
	14		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99994	.99883
	15		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99986
	16		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99999
18	0		.39721	.15009	.05365	.01801	.00564	.00163	.00010	.00000
	1		.77352	.45028	.22405	.09908	.03946	.01419	.00132	.00007
	2		.94187	.73380	.47966	.27134	.13531	.05995	.00823	.00066
	3		.98913	.90180	.72024	.50103	.30569	.16455	.03278	.00377
	4		.99845	.97181	.87944	.71635	.51867	.33265	.09417	.01544
	5		.99983	.99358	.95810	.86708	.71745	.53438	.20876	.04813
	6		.99998	.99883	.98818	.94873	.86102	.72170	.37428	.11894
	7		1.00000	.99983	.99728	.98372	.94305	.85932	.56344	.24034
	8		1.00000	.99998	.99949	.99575	.98065	.94041	.73684	.40726
	9		1.00000	1.00000	.99992	.99909	.99458	.97903	.86529	.59274
	10		1.00000	1.00000	.99999	.99984	.99876	.99393	.94235	.75966
	11		1.00000	1.00000	1.00000	.99998	.99977	.99857	.97972	.88106
	12		1.00000	1.00000	1.00000	1.00000	.99997	.99973	.99425	.95187
	13		1.00000	1.00000	1.00000	1.00000	1.00000	.99996	.99872	.98456
	14		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99979	.99623
	15		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99997	.99934
	16		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99993
	17		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
19	0		.37735	.13509	.04560	.01441	.00423	.00114	.00006	.00000
	1		.75471	.42026	.19849	.08287	.03101	.01042	.00083	.00004
	2		.93345	.70544	.44132	.23689	.11134	.04622	.00546	.00036
	3		.98676	.88500	.68415	.45509	.26309	.13317	.02296	.00221
	4		.99799	.96481	.85556	.67329	.46542	.28222	.06961	.00961
	5		.99976	.99141	.94630	.83694	.66776	.47386	.16292	.03178
	6		.99998	.99830	.98367	.93240	.82512	.66550	.30807	.08353
	7		1.00000	.99973	.99592	.97672	.92254	.81803	.48778	.17964
	8		1.00000	.99996	.99916	.99334	.97125	.91608	.66748	.32380
	9		1.00000	1.00000	.99986	.99842	.99110	.96745	.81391	.50000
	10		1.00000	1.00000	.99998	.99969	.99771	.98946	.91153	.67620
	11		1.00000	1.00000	1.00000	.99995	.99952	.99718	.96477	.82036
	12		1.00000	1.00000	1.00000	.99999	.99992	.99938	.98844	.91647
	13		1.00000	1.00000	1.00000	1.00000	.99999	.99989	.99693	.96822
	14		1.00000	1.00000	1.00000	1.00000	1.00000	.99999	.99936	.99039
	15		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99990	.99779
	16		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99999	.99964
	17		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	.99996
	18		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000