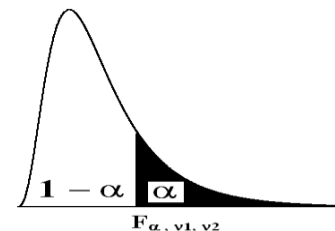


Percentage Points of the *F* Distribution; $F_{0.01, v_1, v_2}$

$$P(F > F_{\alpha, v_1, v_2}) = \alpha$$



$\alpha = 0.01$		Degrees of Freedom for the Numerator (v_1)																			
		1	2	3	4	5	6	7	8	9	10	12	15	20	25	30	40	60	120	∞	
Degrees of Freedom for the Denominator (v_2)	1	8.022	8.999	9.894	10.727	11.517	12.271	13.000	13.714	14.412	15.095	15.763	16.417	17.058	17.687	18.304	18.909	19.503	20.087	20.661	
	2	9.850	9.900	9.917	9.920	9.920	9.923	9.927	9.931	9.934	9.937	9.940	9.942	9.943	9.944	9.945	9.946	9.947	9.948	9.949	9.950
	3	13.112	13.082	13.067	13.061	13.061	13.062	13.063	13.064	13.064	13.065	13.065	13.066	13.066	13.067	13.067	13.068	13.068	13.069	13.069	13.070
	4	17.120	17.080	17.069	17.066	17.066	17.067	17.067	17.068	17.068	17.069	17.069	17.070	17.070	17.071	17.071	17.072	17.072	17.073	17.073	17.074
	5	21.276	21.227	21.220	21.220	21.221	21.221	21.222	21.222	21.223	21.223	21.224	21.224	21.225	21.225	21.226	21.226	21.227	21.227	21.228	21.228
	6	25.700	25.642	25.638	25.639	25.640	25.640	25.641	25.641	25.642	25.642	25.643	25.643	25.644	25.644	25.645	25.645	25.646	25.646	25.647	25.647
	7	30.420	30.353	30.351	30.352	30.353	30.353	30.354	30.354	30.355	30.355	30.356	30.356	30.357	30.357	30.358	30.358	30.359	30.359	30.360	30.360
	8	35.416	35.340	35.339	35.340	35.341	35.342	35.342	35.343	35.343	35.344	35.344	35.345	35.345	35.346	35.346	35.347	35.347	35.348	35.348	35.349
	9	40.667	40.582	40.582	40.583	40.584	40.584	40.585	40.585	40.586	40.586	40.587	40.587	40.588	40.588	40.589	40.589	40.590	40.590	40.591	40.591
	10	46.154	46.060	46.060	46.061	46.062	46.062	46.063	46.063	46.064	46.064	46.065	46.065	46.066	46.066	46.067	46.067	46.068	46.068	46.069	46.069
	11	51.860	51.757	51.757	51.758	51.759	51.759	51.760	51.760	51.761	51.761	51.762	51.762	51.763	51.763	51.764	51.764	51.765	51.765	51.766	51.766
	12	57.768	57.656	57.656	57.657	57.658	57.658	57.659	57.659	57.660	57.660	57.661	57.661	57.662	57.662	57.663	57.663	57.664	57.664	57.665	57.665
	13	63.861	63.740	63.740	63.741	63.742	63.742	63.743	63.743	63.744	63.744	63.745	63.745	63.746	63.746	63.747	63.747	63.748	63.748	63.749	63.749
	14	70.124	70.004	70.004	70.005	70.006	70.006	70.007	70.007	70.008	70.008	70.009	70.009	70.010	70.010	70.011	70.011	70.012	70.012	70.013	70.013
	15	76.542	76.423	76.423	76.424	76.425	76.425	76.426	76.426	76.427	76.427	76.428	76.428	76.429	76.429	76.430	76.430	76.431	76.431	76.432	76.432
	16	83.101	82.983	82.983	82.984	82.985	82.985	82.986	82.986	82.987	82.987	82.988	82.988	82.989	82.989	82.990	82.990	82.991	82.991	82.992	82.992
	17	89.788	89.671	89.671	89.672	89.673	89.673	89.674	89.674	89.675	89.675	89.676	89.676	89.677	89.677	89.678	89.678	89.679	89.679	89.680	89.680
	18	96.591	96.475	96.475	96.476	96.477	96.477	96.478	96.478	96.479	96.479	96.480	96.480	96.481	96.481	96.482	96.482	96.483	96.483	96.484	96.484
	19	103.498	103.383	103.383	103.384	103.385	103.385	103.386	103.386	103.387	103.387	103.388	103.388	103.389	103.389	103.390	103.390	103.391	103.391	103.392	103.392
	20	110.500	110.386	110.386	110.387	110.388	110.388	110.389	110.389	110.390	110.390	110.391	110.391	110.392	110.392	110.393	110.393	110.394	110.394	110.395	110.395
	21	117.590	117.477	117.477	117.478	117.479	117.479	117.480	117.480	117.481	117.481	117.482	117.482	117.483	117.483	117.484	117.484	117.485	117.485	117.486	117.486
	22	124.660	124.548	124.548	124.549	124.550	124.550	124.551	124.551	124.552	124.552	124.553	124.553	124.554	124.554	124.555	124.555	124.556	124.556	124.557	124.557
	23	131.710	131.600	131.600	131.601	131.602	131.602	131.603	131.603	131.604	131.604	131.605	131.605	131.606	131.606	131.607	131.607	131.608	131.608	131.609	131.609
	24	138.740	138.631	138.631	138.632	138.633	138.633	138.634	138.634	138.635	138.635	138.636	138.636	138.637	138.637	138.638	138.638	138.639	138.639	138.640	138.640
	25	145.750	145.642	145.642	145.643	145.644	145.644	145.645	145.645	145.646	145.646	145.647	145.647	145.648	145.648	145.649	145.649	145.650	145.650	145.651	145.651
	26	152.740	152.633	152.633	152.634	152.635	152.635	152.636	152.636	152.637	152.637	152.638	152.638	152.639	152.639	152.640	152.640	152.641	152.641	152.642	152.642
	27	159.710	159.604	159.604	159.605	159.606	159.606	159.607	159.607	159.608	159.608	159.609	159.609	159.610	159.610	159.611	159.611	159.612	159.612	159.613	159.613
	28	166.660	166.555	166.555	166.556	166.557	166.557	166.558	166.558	166.559	166.559	166.560	166.560	166.561	166.561	166.562	166.562	166.563	166.563	166.564	166.564
	29	173.590	173.486	173.486	173.487	173.488	173.488	173.489	173.489	173.490	173.490	173.491	173.491	173.492	173.492	173.493	173.493	173.494	173.494	173.495	173.495
	30	180.500	180.407	180.407	180.408	180.409	180.409	180.410	180.410	180.411	180.411	180.412	180.412	180.413	180.413	180.414	180.414	180.415	180.415	180.416	180.416
40	200.000	199.918	199.918	199.919	199.920	199.920	199.921	199.921	199.922	199.922	199.923	199.923	199.924	199.924	199.925	199.925	199.926	199.926	199.927	199.927	
60	220.000	219.928	219.928	219.929	219.930	219.930	219.931	219.931	219.932	219.932	219.933	219.933	219.934	219.934	219.935	219.935	219.936	219.936	219.937	219.937	
120	240.000	239.937	239.937	239.938	239.939	239.939	239.940	239.940	239.941	239.941	239.942	239.942	239.943	239.943	239.944	239.944	239.945	239.945	239.946	239.946	
∞	250.000	249.946	249.946	249.947	249.948	249.948	249.949	249.949	249.950	249.950	249.951	249.951	249.952	249.952	249.953	249.953	249.954	249.954	249.955	249.955	

Percentage Points of the F Distribution; $F_{0.025, v_1, v_2}$ (continued)

$\alpha = 0.025$		Degrees of Freedom for the Numerator (v_1)																			
		1	2	3	4	5	6	7	8	9	10	12	15	20	25	30	40	60	120	∞	
Degrees of Freedom for the Denominator (v_2)	1	747.8	799.0	874.2	999.7	921.9	937.1	948.2	957.7	963.3	968.7	973.7	978.9	983.1	988.1	1000.4	1000.7	1009.8	1014.0	1018.3	
	2	38.01	39.00	39.17	39.20	39.30	39.33	39.37	39.37	39.39	39.40	39.41	39.43	39.43	39.44	39.45	39.46	39.47	39.48	39.49	39.50
	3	17.44	17.04	16.84	16.70	16.68	16.73	16.72	16.74	16.74	16.75	16.75	16.76	16.76	16.77	16.77	16.78	16.78	16.79	16.79	16.80
	4	12.22	11.70	11.58	11.50	11.49	11.51	11.51	11.52	11.52	11.52	11.53	11.53	11.53	11.54	11.54	11.54	11.54	11.55	11.55	11.55
	5	10.01	9.43	9.37	9.33	9.33	9.34	9.34	9.34	9.35	9.35	9.35	9.35	9.36	9.36	9.36	9.36	9.37	9.37	9.37	9.37
	6	8.81	8.27	8.23	8.20	8.20	8.21	8.21	8.21	8.22	8.22	8.22	8.22	8.23	8.23	8.23	8.23	8.24	8.24	8.24	8.24
	7	8.07	7.56	7.53	7.50	7.50	7.51	7.51	7.51	7.52	7.52	7.52	7.52	7.53	7.53	7.53	7.53	7.54	7.54	7.54	7.54
	8	7.50	7.01	6.98	6.96	6.96	6.97	6.97	6.97	6.98	6.98	6.98	6.98	6.99	6.99	6.99	6.99	7.00	7.00	7.00	7.00
	9	7.11	6.64	6.61	6.60	6.60	6.61	6.61	6.61	6.62	6.62	6.62	6.62	6.63	6.63	6.63	6.63	6.64	6.64	6.64	6.64
	10	6.84	6.39	6.36	6.35	6.35	6.36	6.36	6.36	6.37	6.37	6.37	6.37	6.38	6.38	6.38	6.38	6.39	6.39	6.39	6.39
	11	6.64	6.21	6.18	6.17	6.17	6.18	6.18	6.18	6.19	6.19	6.19	6.19	6.20	6.20	6.20	6.20	6.21	6.21	6.21	6.21
	12	6.50	6.08	6.05	6.04	6.04	6.05	6.05	6.05	6.06	6.06	6.06	6.06	6.07	6.07	6.07	6.07	6.08	6.08	6.08	6.08
	13	6.41	5.99	5.96	5.95	5.95	5.96	5.96	5.96	5.97	5.97	5.97	5.97	5.98	5.98	5.98	5.98	5.99	5.99	5.99	5.99
	14	6.35	5.94	5.91	5.90	5.90	5.91	5.91	5.91	5.92	5.92	5.92	5.92	5.93	5.93	5.93	5.93	5.94	5.94	5.94	5.94
	15	6.30	5.89	5.86	5.85	5.85	5.86	5.86	5.86	5.87	5.87	5.87	5.87	5.88	5.88	5.88	5.88	5.89	5.89	5.89	5.89
	16	6.26	5.86	5.83	5.82	5.82	5.83	5.83	5.83	5.84	5.84	5.84	5.84	5.85	5.85	5.85	5.85	5.86	5.86	5.86	5.86
	17	6.23	5.83	5.80	5.79	5.79	5.80	5.80	5.80	5.81	5.81	5.81	5.81	5.82	5.82	5.82	5.82	5.83	5.83	5.83	5.83
	18	6.20	5.81	5.78	5.77	5.77	5.78	5.78	5.78	5.79	5.79	5.79	5.79	5.80	5.80	5.80	5.80	5.81	5.81	5.81	5.81
	19	6.18	5.79	5.76	5.75	5.75	5.76	5.76	5.76	5.77	5.77	5.77	5.77	5.78	5.78	5.78	5.78	5.79	5.79	5.79	5.79
	20	6.16	5.77	5.74	5.73	5.73	5.74	5.74	5.74	5.75	5.75	5.75	5.75	5.76	5.76	5.76	5.76	5.77	5.77	5.77	5.77
	21	6.15	5.76	5.73	5.72	5.72	5.73	5.73	5.73	5.74	5.74	5.74	5.74	5.75	5.75	5.75	5.75	5.76	5.76	5.76	5.76
	22	6.14	5.75	5.72	5.71	5.71	5.72	5.72	5.72	5.73	5.73	5.73	5.73	5.74	5.74	5.74	5.74	5.75	5.75	5.75	5.75
	23	6.13	5.74	5.71	5.70	5.70	5.71	5.71	5.71	5.72	5.72	5.72	5.72	5.73	5.73	5.73	5.73	5.74	5.74	5.74	5.74
	24	6.12	5.73	5.70	5.69	5.69	5.70	5.70	5.70	5.71	5.71	5.71	5.71	5.72	5.72	5.72	5.72	5.73	5.73	5.73	5.73
	25	6.11	5.72	5.69	5.68	5.68	5.69	5.69	5.69	5.70	5.70	5.70	5.70	5.71	5.71	5.71	5.71	5.72	5.72	5.72	5.72
	26	6.10	5.71	5.68	5.67	5.67	5.68	5.68	5.68	5.69	5.69	5.69	5.69	5.70	5.70	5.70	5.70	5.71	5.71	5.71	5.71
	27	6.09	5.70	5.67	5.66	5.66	5.67	5.67	5.67	5.68	5.68	5.68	5.68	5.69	5.69	5.69	5.69	5.70	5.70	5.70	5.70
	28	6.08	5.69	5.66	5.65	5.65	5.66	5.66	5.66	5.67	5.67	5.67	5.67	5.68	5.68	5.68	5.68	5.69	5.69	5.69	5.69
	29	6.07	5.68	5.65	5.64	5.64	5.65	5.65	5.65	5.66	5.66	5.66	5.66	5.67	5.67	5.67	5.67	5.68	5.68	5.68	5.68
	30	6.06	5.67	5.64	5.63	5.63	5.64	5.64	5.64	5.65	5.65	5.65	5.65	5.66	5.66	5.66	5.66	5.67	5.67	5.67	5.67
40	6.04	5.65	5.62	5.61	5.61	5.62	5.62	5.62	5.63	5.63	5.63	5.63	5.64	5.64	5.64	5.64	5.65	5.65	5.65	5.65	
60	6.03	5.64	5.61	5.60	5.60	5.61	5.61	5.61	5.62	5.62	5.62	5.62	5.63	5.63	5.63	5.63	5.64	5.64	5.64	5.64	
120	6.02	5.63	5.60	5.59	5.59	5.60	5.60	5.60	5.61	5.61	5.61	5.61	5.62	5.62	5.62	5.62	5.63	5.63	5.63	5.63	
∞	6.02	5.63	5.60	5.59	5.59	5.60	5.60	5.60	5.61	5.61	5.61	5.61	5.62	5.62	5.62	5.62	5.63	5.63	5.63	5.63	

Percentage Points of the *F* Distribution; $F_{0.05, v_1, v_2}$ (continued)

$\alpha = 0.05$		Degrees of Freedom for the Numerator (v_1)																			
		1	2	3	4	5	6	7	8	9	10	12	15	20	25	30	40	60	120	∞	
Degrees of Freedom for the Denominator (v_2)	1	171.0	199.0	210.7	224.7	230.2	234.0	237.8	238.9	240.7	241.9	243.9	246.0	248.0	249.3	250.1	251.1	252.2	253.3	254.3	
	2	18.01	19.00	19.17	19.20	19.30	19.33	19.30	19.37	19.38	19.40	19.41	19.43	19.43	19.40	19.47	19.47	19.47	19.48	19.49	19.50
	3	10.13	9.00	9.28	9.12	9.01	8.94	8.89	8.80	8.81	8.79	8.74	8.70	8.70	8.67	8.73	8.72	8.69	8.68	8.68	8.68
	4	7.71	7.94	7.09	7.39	7.27	7.17	7.09	7.04	7.00	0.97	0.91	0.87	0.80	0.77	0.70	0.70	0.70	0.70	0.70	0.70
	5	7.71	0.79	0.41	0.19	0.00	0.90	0.88	0.82	0.77	0.74	0.70	0.67	0.60	0.57	0.50	0.50	0.50	0.50	0.50	0.50
	6	0.99	0.14	0.77	0.03	0.39	0.28	0.21	0.10	0.10	0.07	0.00	0.94	0.87	0.83	0.81	0.77	0.74	0.70	0.70	0.70
	7	0.09	0.74	0.30	0.12	0.97	0.87	0.79	0.73	0.78	0.74	0.70	0.67	0.60	0.57	0.50	0.50	0.50	0.50	0.50	0.50
	8	0.32	0.47	0.07	0.84	0.79	0.08	0.00	0.44	0.39	0.30	0.28	0.22	0.10	0.11	0.08	0.08	0.08	0.08	0.08	0.08
	9	0.12	0.27	0.87	0.73	0.48	0.37	0.29	0.23	0.18	0.14	0.07	0.01	0.94	0.89	0.87	0.83	0.79	0.70	0.70	0.70
	10	0.97	0.10	0.71	0.48	0.33	0.22	0.14	0.07	0.02	0.98	0.91	0.80	0.77	0.73	0.70	0.70	0.70	0.70	0.70	0.70
	11	0.84	0.98	0.09	0.37	0.20	0.09	0.01	0.90	0.90	0.80	0.79	0.72	0.70	0.70	0.07	0.03	0.49	0.40	0.40	0.40
	12	0.70	0.89	0.49	0.27	0.11	0.00	0.91	0.80	0.80	0.70	0.79	0.72	0.04	0.00	0.47	0.43	0.38	0.34	0.34	0.34
	13	0.77	0.81	0.41	0.18	0.03	0.92	0.83	0.77	0.71	0.70	0.70	0.70	0.03	0.47	0.41	0.38	0.34	0.30	0.30	0.30
	14	0.70	0.74	0.34	0.11	0.97	0.80	0.77	0.70	0.70	0.70	0.03	0.47	0.39	0.34	0.31	0.27	0.22	0.18	0.18	0.18
	15	0.04	0.78	0.29	0.07	0.90	0.79	0.71	0.74	0.09	0.04	0.48	0.40	0.33	0.28	0.20	0.20	0.17	0.11	0.11	0.11
	16	0.49	0.73	0.24	0.01	0.80	0.74	0.77	0.09	0.04	0.49	0.42	0.30	0.28	0.23	0.19	0.10	0.11	0.07	0.07	0.07
	17	0.40	0.09	0.20	0.97	0.81	0.70	0.71	0.00	0.49	0.40	0.38	0.31	0.23	0.18	0.10	0.10	0.07	0.01	0.97	0.97
	18	0.41	0.00	0.17	0.93	0.77	0.77	0.08	0.01	0.47	0.41	0.34	0.27	0.19	0.14	0.11	0.07	0.02	0.97	0.97	0.97
	19	0.38	0.02	0.13	0.90	0.74	0.73	0.04	0.48	0.42	0.38	0.31	0.23	0.17	0.11	0.07	0.03	0.98	0.93	0.88	0.88
	20	0.30	0.49	0.10	0.87	0.71	0.70	0.01	0.40	0.39	0.30	0.28	0.20	0.12	0.07	0.04	0.99	0.90	0.90	0.84	0.84
	21	0.32	0.47	0.07	0.84	0.78	0.07	0.49	0.42	0.37	0.32	0.20	0.18	0.10	0.00	0.01	0.97	0.92	0.87	0.81	0.81
	22	0.30	0.44	0.00	0.82	0.77	0.00	0.47	0.40	0.34	0.30	0.23	0.10	0.07	0.02	0.98	0.94	0.89	0.84	0.78	0.78
	23	0.28	0.42	0.03	0.80	0.74	0.03	0.44	0.37	0.32	0.27	0.20	0.13	0.00	0.00	0.97	0.91	0.87	0.81	0.76	0.76
	24	0.27	0.40	0.01	0.78	0.72	0.01	0.42	0.37	0.30	0.20	0.18	0.11	0.03	0.97	0.94	0.89	0.84	0.79	0.73	0.73
	25	0.24	0.39	0.99	0.77	0.70	0.49	0.40	0.34	0.28	0.24	0.17	0.09	0.01	0.97	0.92	0.87	0.82	0.77	0.71	0.71
	26	0.23	0.37	0.98	0.74	0.09	0.47	0.39	0.32	0.27	0.22	0.10	0.07	0.99	0.94	0.90	0.80	0.80	0.70	0.70	0.70
	27	0.21	0.30	0.97	0.73	0.07	0.47	0.37	0.31	0.20	0.20	0.13	0.07	0.97	0.92	0.88	0.84	0.79	0.73	0.73	0.73
	28	0.20	0.34	0.90	0.71	0.07	0.40	0.37	0.29	0.24	0.19	0.12	0.04	0.97	0.91	0.87	0.82	0.77	0.71	0.70	0.70
	29	0.18	0.33	0.93	0.70	0.00	0.43	0.30	0.28	0.22	0.18	0.10	0.03	0.94	0.89	0.80	0.81	0.70	0.70	0.74	0.74
	30	0.17	0.32	0.92	0.79	0.03	0.42	0.33	0.27	0.21	0.17	0.09	0.01	0.93	0.88	0.84	0.79	0.74	0.78	0.72	0.72
40	0.08	0.23	0.84	0.71	0.40	0.34	0.20	0.18	0.12	0.08	0.00	0.92	0.84	0.78	0.74	0.79	0.74	0.08	0.01	0.01	
60	0.00	0.10	0.77	0.03	0.37	0.20	0.17	0.10	0.04	0.99	0.92	0.84	0.70	0.79	0.70	0.09	0.03	0.47	0.30	0.39	
120	0.92	0.07	0.78	0.40	0.29	0.18	0.09	0.02	0.97	0.91	0.83	0.70	0.77	0.70	0.00	0.00	0.43	0.30	0.20	0.20	
∞	0.84	0.00	0.70	0.37	0.21	0.10	0.01	0.94	0.88	0.83	0.70	0.77	0.07	0.01	0.47	0.39	0.32	0.22	0.00	0.00	

Percentage Points of the F Distribution; $F_{0.25, v_1, v_2}$ (continued)

$\alpha = 0.25$		Degrees of Freedom for the Numerator (v_1)																			
		1	2	3	4	5	6	7	8	9	10	12	15	20	25	30	40	60	120	∞	
Degrees of Freedom for the Denominator (v_2)	1	0.83	1.00	1.20	1.40	1.57	1.71	1.82	1.91	1.97	2.02	2.06	2.10	2.13	2.15	2.17	2.19	2.20	2.21	2.22	
	2	1.07	1.30	1.60	1.90	2.07	2.21	2.31	2.38	2.43	2.47	2.50	2.52	2.54	2.55	2.56	2.57	2.58	2.59	2.60	2.61
	3	1.21	1.50	1.90	2.30	2.47	2.61	2.70	2.76	2.80	2.83	2.85	2.86	2.87	2.88	2.89	2.90	2.91	2.92	2.93	2.94
	4	1.31	1.65	2.10	2.50	2.67	2.81	2.89	2.94	2.97	2.99	3.00	3.01	3.02	3.03	3.04	3.05	3.06	3.07	3.08	3.09
	5	1.39	1.75	2.20	2.60	2.77	2.91	2.99	3.03	3.06	3.08	3.09	3.10	3.11	3.12	3.13	3.14	3.15	3.16	3.17	3.18
	6	1.44	1.80	2.25	2.65	2.82	2.96	3.04	3.08	3.11	3.13	3.14	3.15	3.16	3.17	3.18	3.19	3.20	3.21	3.22	3.23
	7	1.48	1.85	2.30	2.70	2.87	3.01	3.09	3.13	3.16	3.18	3.19	3.20	3.21	3.22	3.23	3.24	3.25	3.26	3.27	3.28
	8	1.51	1.88	2.33	2.73	2.90	3.04	3.12	3.16	3.19	3.21	3.22	3.23	3.24	3.25	3.26	3.27	3.28	3.29	3.30	3.31
	9	1.53	1.90	2.35	2.75	2.92	3.06	3.14	3.18	3.21	3.23	3.24	3.25	3.26	3.27	3.28	3.29	3.30	3.31	3.32	3.33
	10	1.55	1.92	2.37	2.77	2.94	3.08	3.16	3.20	3.23	3.25	3.26	3.27	3.28	3.29	3.30	3.31	3.32	3.33	3.34	3.35
	11	1.56	1.93	2.38	2.78	2.95	3.09	3.17	3.21	3.24	3.26	3.27	3.28	3.29	3.30	3.31	3.32	3.33	3.34	3.35	3.36
	12	1.57	1.94	2.39	2.79	2.96	3.10	3.18	3.22	3.25	3.27	3.28	3.29	3.30	3.31	3.32	3.33	3.34	3.35	3.36	3.37
	13	1.58	1.95	2.40	2.80	2.97	3.11	3.19	3.23	3.26	3.28	3.29	3.30	3.31	3.32	3.33	3.34	3.35	3.36	3.37	3.38
	14	1.59	1.96	2.41	2.81	2.98	3.12	3.20	3.24	3.27	3.29	3.30	3.31	3.32	3.33	3.34	3.35	3.36	3.37	3.38	3.39
	15	1.60	1.97	2.42	2.82	2.99	3.13	3.21	3.25	3.28	3.30	3.31	3.32	3.33	3.34	3.35	3.36	3.37	3.38	3.39	3.40
	16	1.61	1.98	2.43	2.83	3.00	3.14	3.22	3.26	3.29	3.31	3.32	3.33	3.34	3.35	3.36	3.37	3.38	3.39	3.40	3.41
	17	1.62	1.99	2.44	2.84	3.01	3.15	3.23	3.27	3.30	3.32	3.33	3.34	3.35	3.36	3.37	3.38	3.39	3.40	3.41	3.42
	18	1.63	2.00	2.45	2.85	3.02	3.16	3.24	3.28	3.31	3.33	3.34	3.35	3.36	3.37	3.38	3.39	3.40	3.41	3.42	3.43
	19	1.64	2.01	2.46	2.86	3.03	3.17	3.25	3.29	3.32	3.34	3.35	3.36	3.37	3.38	3.39	3.40	3.41	3.42	3.43	3.44
	20	1.65	2.02	2.47	2.87	3.04	3.18	3.26	3.30	3.33	3.35	3.36	3.37	3.38	3.39	3.40	3.41	3.42	3.43	3.44	3.45
	21	1.66	2.03	2.48	2.88	3.05	3.19	3.27	3.31	3.34	3.36	3.37	3.38	3.39	3.40	3.41	3.42	3.43	3.44	3.45	3.46
	22	1.67	2.04	2.49	2.89	3.06	3.20	3.28	3.32	3.35	3.37	3.38	3.39	3.40	3.41	3.42	3.43	3.44	3.45	3.46	3.47
	23	1.68	2.05	2.50	2.90	3.07	3.21	3.29	3.33	3.36	3.38	3.39	3.40	3.41	3.42	3.43	3.44	3.45	3.46	3.47	3.48
	24	1.69	2.06	2.51	2.91	3.08	3.22	3.30	3.34	3.37	3.39	3.40	3.41	3.42	3.43	3.44	3.45	3.46	3.47	3.48	3.49
	25	1.70	2.07	2.52	2.92	3.09	3.23	3.31	3.35	3.38	3.40	3.41	3.42	3.43	3.44	3.45	3.46	3.47	3.48	3.49	3.50
	26	1.71	2.08	2.53	2.93	3.10	3.24	3.32	3.36	3.39	3.41	3.42	3.43	3.44	3.45	3.46	3.47	3.48	3.49	3.50	3.51
	27	1.72	2.09	2.54	2.94	3.11	3.25	3.33	3.37	3.40	3.42	3.43	3.44	3.45	3.46	3.47	3.48	3.49	3.50	3.51	3.52
	28	1.73	2.10	2.55	2.95	3.12	3.26	3.34	3.38	3.41	3.43	3.44	3.45	3.46	3.47	3.48	3.49	3.50	3.51	3.52	3.53
	29	1.74	2.11	2.56	2.96	3.13	3.27	3.35	3.39	3.42	3.44	3.45	3.46	3.47	3.48	3.49	3.50	3.51	3.52	3.53	3.54
	30	1.75	2.12	2.57	2.97	3.14	3.28	3.36	3.40	3.43	3.45	3.46	3.47	3.48	3.49	3.50	3.51	3.52	3.53	3.54	3.55
40	1.78	2.15	2.60	2.99	3.16	3.30	3.38	3.42	3.45	3.47	3.48	3.49	3.50	3.51	3.52	3.53	3.54	3.55	3.56	3.57	
60	1.80	2.17	2.62	3.01	3.17	3.32	3.40	3.44	3.47	3.49	3.50	3.51	3.52	3.53	3.54	3.55	3.56	3.57	3.58	3.59	
120	1.81	2.18	2.63	3.02	3.18	3.33	3.41	3.45	3.48	3.50	3.51	3.52	3.53	3.54	3.55	3.56	3.57	3.58	3.59	3.60	
∞	1.82	2.19	2.64	3.03	3.19	3.34	3.42	3.46	3.49	3.51	3.52	3.53	3.54	3.55	3.56	3.57	3.58	3.59	3.60	3.61	