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LOS ALAMOS NATIONAL LABORATORY



3 9338 00310 7538

LOS ALAMOS SCIENTIFIC LABORATORY

of the

UNIVERSITY OF CALIFORNIA

Report Written:
December 1950

LA-1366

Report Distributed: APR 30 1952

TABLES OF FUNCTIONS ASSOCIATED WITH
THE SERBER-WILSON METHOD FOR NEUTRON
DIFFUSION CALCULATIONS IN A SPHERICAL GEOMETRY

Volume III

by

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LOS ALAMOS NATL. LAB. LIBS.
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PHYSICS



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It was found necessary to extend the tabulations of the functions $Q(y, \varphi)$, $S(y)$, $R(y, \varphi)$, and $T(y)$ defined and tabulated in Volume I for $y = 0.00(0.01)3.00$ and $\varphi = 0.00(0.05)1.45, \pi/2$. The functions tabulated here are for $y = 3.00(0.01)5.00$ and $\varphi = 0.0(0.1)1.4, \pi/2$.

The tabulations of $Q(y, \varphi)$, $S(y)$, $R(y, \varphi)$, and $T(y)$ defined and tabulated in Volume II for $y = 0.00(0.01)3.00$ and $\varphi = 0.0(0.1)2.0$ and $1/\varphi = 0.5(0.1)0.0$ were also extended for $y = 3.00(0.01)5.00$ and $\varphi = 0.0(0.1)1.00, 1/\varphi = 1.0(0.2)0.0$.

Table of k and ϕ for positive and negative f

f	$k(f \geq 0)$	$\phi(f \geq 0)$	$k(f \leq 0)$	$\phi(f \leq 0)$	f	$k(f \geq 0)$	$\phi(f \geq 0)$	$k(f \leq 0)$	$\phi(f \leq 0)$
.000	.00000	.00000	.00000	.00000	.050	.39498	.37617	.37949	.39946
.001	.05479	.05474	.05475	.05480	.051	.39906	.37970	.38310	.40369
.002	.07752	.07737	.07740	.07756	.052	.40311	.38318	.38668	.40789
.003	.09498	.09470	.09475	.09504	.053	.40713	.38664	.39022	.41206
.004	.10972	.10928	.10937	.10981	.054	.41111	.39005	.39372	.41619
.005	.12272	.12211	.12223	.12284	.055	.41506	.39342	.39718	.42030
.006	.13449	.13369	.13384	.13465	.056	.41897	.39675	.40061	.42438
.007	.14532	.14431	.14451	.14553	.057	.42286	.40006	.40400	.42842
.008	.15541	.15418	.15442	.15567	.058	.42671	.40332	.40736	.43244
.009	.16491	.16344	.16372	.16521	.059	.43054	.40655	.41068	.43643
.010	.17390	.17218	.17251	.17425	.060	.43434	.40976	.41398	.44040
.011	.18246	.18047	.18086	.18287	.061	.43812	.41293	.41724	.44435
.012	.19065	.18839	.18882	.19111	.062	.44186	.41606	.42047	.44826
.013	.19851	.19596	.19645	.19904	.063	.44558	.41917	.42367	.45216
.014	.20608	.20323	.20379	.20668	.064	.44927	.42225	.42684	.45603
.015	.21340	.21025	.21086	.21407	.065	.45294	.42530	.42998	.45987
.016	.22049	.21702	.21768	.22122	.066	.45659	.42832	.43309	.46369
.017	.22736	.22356	.22429	.22817	.067	.46021	.43131	.43617	.46749
.018	.23405	.22991	.23070	.23493	.068	.46381	.43428	.43923	.47128
.019	.24056	.23607	.23693	.24152	.069	.46738	.43721	.44226	.47504
.020	.24690	.24206	.24298	.24794	.070	.47094	.44013	.44527	.47878
.021	.25310	.24789	.24888	.25422	.071	.47447	.44302	.44825	.48251
.022	.25916	.25358	.25464	.26037	.072	.47798	.44588	.45121	.48622
.023	.26509	.25913	.26025	.26638	.073	.48147	.44871	.45414	.48990
.024	.27089	.26454	.26574	.27227	.074	.48494	.45153	.45704	.49356
.025	.27659	.26984	.27111	.27806	.075	.48839	.45432	.45993	.49722
.026	.28218	.27503	.27637	.28375	.076	.49182	.45708	.46278	.50084
.027	.28766	.28010	.28152	.28933	.077	.49524	.45983	.46562	.50446
.028	.29306	.28508	.28657	.29483	.078	.49863	.46255	.46844	.50807
.029	.29836	.28995	.29152	.30023	.079	.50201	.46525	.47123	.51165
.030	.30358	.29473	.29638	.30555	.080	.50536	.46793	.47400	.51522
.031	.30872	.29944	.30116	.31079	.081	.50870	.47058	.47675	.51877
.032	.31378	.30405	.30585	.31596	.082	.51203	.47323	.47948	.52231
.033	.31877	.30859	.31047	.32107	.083	.51534	.47584	.48219	.52583
.034	.32369	.31305	.31500	.32609	.084	.51863	.47844	.48488	.52934
.035	.32855	.31744	.31947	.33106	.085	.52190	.48101	.48755	.53284
.036	.33334	.32176	.32387	.33596	.086	.52516	.48357	.49020	.53632
.037	.33807	.32601	.32820	.34081	.087	.52840	.48611	.49283	.53979
.038	.34274	.33019	.33247	.34560	.088	.53163	.48863	.49544	.54325
.039	.34735	.33431	.33668	.35034	.089	.53484	.49113	.49804	.54670
.040	.35191	.33838	.34083	.35503	.090	.53804	.49361	.50061	.55013
.041	.35643	.34239	.34492	.35967	.091	.54122	.49608	.50317	.55354
.042	.36089	.34634	.34896	.36426	.092	.54439	.49853	.50571	.55695
.043	.36530	.35024	.35294	.36880	.093	.54755	.50096	.50824	.56035
.044	.36967	.35409	.35687	.37329	.094	.55069	.50337	.51074	.56373
.045	.37399	.35789	.36076	.37776	.095	.55381	.50576	.51323	.56710
.046	.37827	.36163	.36459	.38217	.096	.55693	.50815	.51570	.57046
.047	.38250	.36533	.36838	.38655	.097	.56003	.51051	.51816	.57382
.048	.38670	.36899	.37213	.39089	.098	.56313	.51287	.52060	.57716
.049	.39086	.37260	.37583	.39519	.099	.56620	.51520	.52302	.58049
.050	.39498	.37617	.37949	.39946	.100	.56926	.51751	.52543	.58381

Table of K and φ for positive and negative f

f	$K(f \geq 0)$	$\varphi(f \geq 0)$	$K(f \leq 0)$	$\varphi(f \leq 0)$	f	$K(f \geq 0)$	$\varphi(f \geq 0)$	$K(f \leq 0)$	$\varphi(f \leq 0)$
.100	.56926	.51751	.52543	.50381	.150	.71007	.61745	.62950	.74059
.101	.57232	.51982	.52782	.50712	.151	.71269	.61919	.63131	.74359
.102	.57536	.52211	.53020	.51042	.152	.71530	.62092	.63311	.74659
.103	.57839	.52438	.53256	.51371	.153	.71791	.62265	.63492	.74961
.104	.58140	.52663	.53491	.51700	.154	.72051	.62436	.63669	.75259
.105	.58441	.52888	.53724	.52027	.155	.72310	.62606	.63847	.75559
.106	.58740	.53110	.53956	.52353	.156	.72569	.62776	.64023	.75857
.107	.59038	.53332	.54186	.52679	.157	.72827	.62945	.64199	.76155
.108	.59336	.53552	.54415	.53003	.158	.73085	.63113	.64374	.76454
.109	.59632	.53771	.54643	.53328	.159	.73342	.63280	.64549	.76753
.110	.59927	.53988	.54869	.53651	.160	.73599	.63448	.64722	.77050
.111	.60221	.54204	.55094	.53973	.161	.73855	.63613	.64894	.77347
.112	.60514	.54419	.55318	.54295	.162	.74111	.63779	.65066	.77644
.113	.60806	.54633	.55540	.54616	.163	.74365	.63942	.65237	.77941
.114	.61097	.54845	.55761	.54936	.164	.74620	.64107	.65407	.78238
.115	.61387	.55056	.55980	.55254	.165	.74874	.64270	.65576	.78534
.116	.61676	.55265	.56198	.55572	.166	.75127	.64431	.65745	.78831
.117	.61964	.55474	.56415	.55890	.167	.75379	.64592	.65913	.79127
.118	.62251	.55681	.56631	.56207	.168	.75632	.64753	.66080	.79423
.119	.62537	.55887	.56846	.56524	.169	.75883	.64913	.66246	.79718
.120	.62822	.56091	.57059	.56840	.170	.76135	.65072	.66411	.80014
.121	.63107	.56295	.57271	.57155	.171	.76386	.65231	.66576	.80309
.122	.63390	.56497	.57482	.57469	.172	.76636	.65389	.66740	.80604
.123	.63673	.56699	.57692	.57783	.173	.76885	.65546	.66903	.80898
.124	.63955	.56899	.57900	.58096	.174	.77134	.65702	.67065	.81192
.125	.64235	.57098	.58108	.58409	.175	.77383	.65858	.67227	.81487
.126	.64515	.57296	.58314	.58721	.176	.77632	.66014	.67388	.81782
.127	.64795	.57493	.58519	.59032	.177	.77879	.66167	.67548	.82075
.128	.65073	.57689	.58723	.59343	.178	.78126	.66321	.67707	.82369
.129	.65350	.57883	.58926	.59653	.179	.78373	.66474	.67866	.82663
.130	.65627	.58077	.59128	.59963	.180	.78619	.66627	.68024	.82956
.131	.65903	.58270	.59329	.60273	.181	.78865	.66778	.68181	.83249
.132	.66178	.58461	.59528	.60581	.182	.79111	.66930	.68338	.83543
.133	.66453	.58652	.59727	.60889	.183	.79355	.67079	.68494	.83836
.134	.66726	.58841	.59925	.61197	.184	.79600	.67230	.68649	.84129
.135	.66999	.59030	.60121	.61504	.185	.79844	.67379	.68803	.84421
.136	.67271	.59217	.60317	.61811	.186	.80087	.67527	.68957	.84714
.137	.67542	.59404	.60511	.62117	.187	.80331	.67676	.69110	.85006
.138	.67813	.59590	.60704	.62422	.188	.80574	.67823	.69263	.85299
.139	.68083	.59774	.60897	.62728	.189	.80816	.67970	.69414	.85591
.140	.68352	.59958	.61088	.63033	.190	.81058	.68116	.69566	.85884
.141	.68621	.60141	.61279	.63338	.191	.81299	.68261	.69716	.86176
.142	.68889	.60323	.61468	.63641	.192	.81541	.68407	.69866	.86468
.143	.69156	.60504	.61657	.63945	.193	.81781	.68551	.70015	.86760
.144	.69423	.60684	.61844	.64248	.194	.82021	.68694	.70163	.87051
.145	.69688	.60863	.62031	.64551	.195	.82261	.68838	.70311	.87343
.146	.69953	.61041	.62217	.64854	.196	.82501	.68981	.70458	.87634
.147	.70218	.61219	.62401	.65155	.197	.82739	.69122	.70605	.87927
.148	.70481	.61395	.62585	.65457	.198	.82978	.69264	.70751	.88218
.149	.70745	.61571	.62768	.65758	.199	.83216	.69405	.70896	.88509
.150	.71007	.61745	.62950	.66059	.200	.83454	.69545	.71041	.88802

Table of k and ϕ for positive and negative f

f	$k(f \geq 0)$	$\phi(f \geq 0)$	$k(f \leq 0)$	$\phi(f \leq 0)$	f	$k(f \geq 0)$	$\phi(f \geq 0)$	$k(f \leq 0)$	$\frac{1}{\phi}(f \leq 0)$
.00	.00000	.00000	.00000	.00000	.50	1.45110	.96740	.95750	.52219
.01	.17390	.17218	.17251	.17425	.51	1.46978	.97336	.96122	.50977
.02	.24690	.24206	.24298	.24794	.52	1.48838	.97920	.96472	.49755
.03	.30358	.29474	.29638	.30555	.53	1.50692	.98492	.96800	.48554
.04	.35192	.33838	.34083	.35503	.54	1.52540	.99052	.97109	.47369
.05	.39498	.37617	.37949	.39946	.55	1.54381	.99601	.97398	.46202
.06	.43434	.40976	.41398	.44040	.56	1.56216	1.00138	.97667	.45051
.07	.47094	.44013	.44527	.47878	.57	1.58045	1.00666	.97918	.43914
.08	.50536	.46793	.47400	.51522	.58	1.59869	1.01183	.98150	.42792
.09	.53804	.49361	.50061	.55013	.59	1.61687	1.01690	.98365	.41681
.10	.56926	.51751	.52543	.58381	.60	1.63500	1.02188	.98562	.40584
.11	.59927	.53988	.54869	.61651	.61	1.65308	1.02676	.98744	.39496
.12	.62822	.56091	.57059	.64840	.62	1.67111	1.03155	.98909	.38419
.13	.65627	.58077	.59128	.67963	.63	1.68910	1.03626	.99059	.37351
.14	.68352	.59958	.61088	.71033	.64	1.70704	1.04088	.99195	.36292
.15	.71007	.61745	.62950	.74059	.65	1.72493	1.04541	.99316	.35241
.16	.73599	.63448	.64722	.77050	.66	1.74278	1.04987	.99425	.34197
.17	.76135	.65072	.66411	.80014	.67	1.76059	1.05424	.99521	.33159
.18	.78619	.66627	.68024	.82956	.68	1.77836	1.05855	.99605	.32127
.19	.81058	.68116	.69566	.85884	.69	1.79609	1.06277	.99678	.31100
.20	.83454	.69545	.71041	.88802	.70	1.81378	1.06693	.99741	.30078
.21	.85812	.70919	.72454	.91714	.71	1.83143	1.07101	.99795	.29060
.22	.88134	.72241	.73809	.94627	.72	1.84905	1.07503	.99840	.28045
.23	.90423	.73515	.75108	.97543	.73	1.86664	1.07898	.99878	.27033
.24	.92682	.74744	.76355	1.00467	.74	1.88419	1.08287	.99908	.26024
.25	.94914	.75931	.77552	1.03402	.75	1.90170	1.08669	.99933	.25017
.26	.97118	.77078	.78701	1.06353	.76	1.91919	1.09045	.99952	.24012
.27	.99299	.78188	.79805	1.09322	.77	1.93664	1.09415	.99966	.23008
.28	1.01456	.79263	.80866	1.12313	.78	1.95407	1.09779	.99977	.22005
.29	1.03592	.80304	.81885	1.15330	.79	1.97146	1.10138	.99985	.21003
.30	1.05708	.81314	.82864	1.18376	.80	1.98883	1.10490	.99991	.20002
.31	1.07805	.82294	.83804	1.21455	.81	2.00617	1.10838	.99995	.19001
.32	1.09884	.83246	.84707	1.24569	.82	2.02348	1.11180	.99997	.18001
.33	1.11947	.84171	.85575	1.27723	.83	2.04076	1.11517	.99998	.17000
.34	1.13993	.85070	.86407	1.30920	.84	2.05802	1.11849	.99999	.16000
.35	1.16025	.85944	.87206	1.34164	.85	2.07525	1.12176	1.00000	.15000
.36	1.18042	.86796	.87973	1.37458	.86	2.09246	1.12498	1.00000	.14000
.37	1.20046	.87624	.88708	1.40807	.87	2.10965	1.12815	1.00000	.13000
.38	1.22036	.88432	.89413	1.44214	.88	2.12681	1.13128	1.00000	.12000
.39	1.24015	.89219	.90088	1.47684	.89	2.14395	1.13436	1.00000	.11000
.40	1.25981	.89987	.90773	1.51222	.90	2.16106	1.13740	1.00000	.10000
.41	1.27937	.90735	.91351	1.54832	.91	2.17816	1.14040	1.00000	.09000
.42	1.29882	.91466	.91941	1.58519	.92	2.19524	1.14335	1.00000	.08000
.43	1.31817	.92180	.92504	1.62288	.93	2.21229	1.14626	1.00000	.07000
.44	1.33742	.92876	.93041	1.66145	.94	2.22932	1.14913	1.00000	.06000
.45	1.35658	.93557	.93553	1.70096	.95	2.24634	1.15197	1.00000	.05000
.46	1.37565	.94222	.94040	1.74148	.96	2.26333	1.15476	1.00000	.04000
.47	1.39463	.94873	.94502	1.78306	.97	2.28030	1.15752	1.00000	.03000
.48	1.41353	.95509	.94941	1.82579	.98	2.29726	1.16023	1.00000	.02000
.49	1.43236	.96131	.95357	1.86975	.99	2.31420	1.16292	1.00000	.01000
.50	1.45110	.96740	.95750	1.91501	1.00	2.33112	1.16556	1.00000	.00000

Table of $Q(y, \phi)$ and $S(y)$

$y \ \Phi$	0.0	0.1	0.2	0.3	0.4	0.5	$S(y)$
3.00	.047040	.014383	-.014742	-.040713	-.063841	-.084383	.345677
3.01	.043592	.011123	-.017811	-.043586	-.066516	-.086856	.343836
3.02	.040163	.007882	-.020858	-.046437	-.069168	-.089306	.341980
3.03	.036753	.004661	-.023885	-.049266	-.071796	-.091732	.340110
3.04	.033361	.001460	-.026890	-.052073	-.074401	-.094135	.338225
3.05	.029988	-.001720	-.029874	-.054857	-.076984	-.096513	.336327
3.06	.026635	-.004880	-.032837	-.057619	-.079542	-.098868	.334414
3.07	.023300	-.008019	-.035777	-.060358	-.082078	-.101198	.332488
3.08	.019985	-.011139	-.038696	-.063074	-.084590	-.103504	.330548
3.09	.016689	-.014237	-.041594	-.065768	-.087079	-.105787	.328595
3.10	.013413	-.017314	-.044469	-.068439	-.089544	-.108045	.326628
3.11	.010157	-.020371	-.047322	-.071087	-.091985	-.110279	.324649
3.12	.006920	-.023406	-.050154	-.073713	-.094403	-.112488	.322656
3.13	.003704	-.026420	-.052963	-.076314	-.095797	-.114674	.320651
3.14	.000507	-.029413	-.055750	-.078893	-.099167	-.116835	.318632
3.15	-.002669	-.032385	-.058514	-.081449	-.101513	-.118971	.316602
3.16	-.005825	-.035335	-.061256	-.083982	-.103836	-.121083	.314559
3.17	-.008960	-.038263	-.063975	-.086491	-.106134	-.123171	.312504
3.18	-.012075	-.041170	-.066672	-.088976	-.108408	-.125234	.310436
3.19	-.015169	-.044054	-.069345	-.091438	-.110658	-.127273	.308357
3.20	-.018242	-.046917	-.071997	-.093877	-.112884	-.129287	.306267
3.21	-.021294	-.049758	-.074625	-.096292	-.115086	-.131276	.304164
3.22	-.024325	-.052577	-.077230	-.098683	-.117264	-.133241	.302050
3.23	-.027335	-.055373	-.079812	-.101050	-.119417	-.135181	.299926
3.24	-.030324	-.058148	-.082371	-.103394	-.121546	-.137097	.297790
3.25	-.033291	-.060899	-.084906	-.105714	-.123650	-.138987	.295643
3.26	-.036236	-.063629	-.087419	-.108009	-.125730	-.140853	.293485
3.27	-.039160	-.066335	-.089908	-.110281	-.127786	-.142694	.291317
3.28	-.042063	-.069019	-.092373	-.112529	-.129817	-.144511	.289138
3.29	-.044943	-.071681	-.094815	-.114752	-.131824	-.146302	.286950
3.30	-.047802	-.074319	-.097234	-.116952	-.133806	-.148069	.284751
3.31	-.050638	-.076934	-.099628	-.119127	-.135763	-.149811	.282542
3.32	-.053453	-.079527	-.101999	-.121278	-.137696	-.151528	.280324
3.33	-.056245	-.082096	-.104347	-.123405	-.139604	-.153220	.278096
3.34	-.059014	-.084642	-.106670	-.125507	-.141488	-.154888	.275858
3.35	-.061762	-.087165	-.108970	-.127585	-.143347	-.156530	.273612
3.36	-.064487	-.089665	-.111245	-.129639	-.145181	-.158148	.271356
3.37	-.067189	-.092141	-.113497	-.131668	-.146990	-.159740	.269092
3.38	-.069868	-.094594	-.115724	-.133672	-.148775	-.161308	.266819
3.39	-.072525	-.097023	-.117928	-.135652	-.150534	-.162851	.264537
3.40	-.075159	-.099428	-.120107	-.137608	-.152269	-.164369	.262247
3.41	-.077770	-.101810	-.122262	-.139539	-.153979	-.165862	.259948
3.42	-.080358	-.104169	-.124393	-.141445	-.155665	-.167331	.257642
3.43	-.082923	-.106503	-.126499	-.143326	-.157325	-.168774	.255328
3.44	-.085465	-.108814	-.128581	-.145183	-.158961	-.170192	.253006
3.45	-.087983	-.111100	-.130639	-.147015	-.160571	-.171586	.250677
3.46	-.090478	-.113363	-.132672	-.148823	-.162157	-.172955	.248340
3.47	-.092950	-.115601	-.134681	-.150606	-.163718	-.174299	.245996
3.48	-.095398	-.117816	-.136665	-.152364	-.165254	-.175618	.243646
3.49	-.097823	-.120006	-.138625	-.154097	-.166766	-.176912	.241288
3.50	-.100224	-.122173	-.140560	-.155805	-.168252	-.178182	.238924

Table of $Q(y, \varphi)$ and $S(y)$

$y \backslash \varphi$	0.0	0.1	0.2	0.3	0.4	0.5	$S(y)$
3.50	-.100224	-.122173	-.140560	-.155805	-.168252	-.178182	.238924
3.51	-.102601	-.124315	-.142470	-.157489	-.169714	-.179426	.236553
3.52	-.104955	-.126432	-.144356	-.159147	-.171150	-.180646	.234176
3.53	-.107285	-.128526	-.146218	-.160781	-.172562	-.181842	.231793
3.54	-.109591	-.130595	-.148054	-.162390	-.173949	-.183012	.229401
3.55	-.111873	-.132640	-.149866	-.163975	-.175311	-.184158	.227009
3.56	-.114131	-.134660	-.151653	-.165534	-.176648	-.185279	.224609
3.57	-.116365	-.136655	-.153415	-.167068	-.177961	-.186376	.222203
3.58	-.118575	-.138627	-.155153	-.168578	-.179248	-.187448	.219792
3.59	-.120761	-.140573	-.156866	-.170063	-.180511	-.188495	.217375
3.60	-.122922	-.142495	-.158554	-.171523	-.181749	-.189518	.214954
3.61	-.125060	-.144393	-.160217	-.172958	-.182963	-.190517	.212529
3.62	-.127173	-.146266	-.161855	-.174368	-.184151	-.191491	.210098
3.63	-.129262	-.148114	-.163469	-.175753	-.185315	-.192440	.207664
3.64	-.131326	-.149937	-.165057	-.177114	-.186454	-.193365	.205225
3.65	-.133366	-.151736	-.166621	-.178449	-.187569	-.194266	.202782
3.66	-.135382	-.153510	-.168160	-.179760	-.188659	-.195143	.200335
3.67	-.137373	-.155259	-.169674	-.181046	-.189724	-.195995	.197885
3.68	-.139339	-.156984	-.171163	-.182307	-.190765	-.196823	.195431
3.69	-.141282	-.158683	-.172628	-.183544	-.191781	-.197627	.192974
3.70	-.143199	-.160358	-.174067	-.184756	-.192773	-.198407	.190514
3.71	-.145092	-.162008	-.175482	-.185943	-.193741	-.199163	.188051
3.72	-.146960	-.163634	-.176872	-.187105	-.194683	-.199895	.185585
3.73	-.148803	-.165234	-.178237	-.188242	-.195602	-.200603	.183116
3.74	-.150622	-.166809	-.179577	-.189355	-.196496	-.201287	.180645
3.75	-.152416	-.168360	-.180892	-.190444	-.197366	-.201947	.178171
3.76	-.154186	-.169886	-.182183	-.191507	-.198212	-.202583	.175696
3.77	-.155930	-.171387	-.183448	-.192546	-.199033	-.203196	.173219
3.78	-.157650	-.172863	-.184689	-.193561	-.199830	-.203785	.170740
3.79	-.159345	-.174314	-.185905	-.194551	-.200603	-.204350	.168259
3.80	-.161015	-.175740	-.187097	-.195517	-.201353	-.204892	.165777
3.81	-.162661	-.177142	-.188263	-.196458	-.202078	-.205411	.163294
3.82	-.164281	-.178518	-.189405	-.197374	-.202779	-.205906	.160809
3.83	-.165877	-.179870	-.190522	-.198267	-.203456	-.206378	.158324
3.84	-.167448	-.181197	-.191615	-.199135	-.204109	-.206826	.155838
3.85	-.168994	-.182499	-.192683	-.199979	-.204739	-.207252	.153352
3.86	-.170515	-.183776	-.193726	-.200798	-.205345	-.207654	.150865
3.87	-.172011	-.185029	-.194745	-.201593	-.205927	-.208033	.148378
3.88	-.173482	-.186257	-.195739	-.202365	-.206485	-.208390	.145892
3.89	-.174929	-.187460	-.196709	-.203112	-.207020	-.208723	.143405
3.90	-.176350	-.188638	-.197655	-.203835	-.207532	-.209034	.140918
3.91	-.177747	-.189791	-.198575	-.204534	-.208020	-.209322	.138433
3.92	-.179119	-.190920	-.199472	-.205209	-.208485	-.209587	.135947
3.93	-.180466	-.192024	-.200344	-.205860	-.208926	-.209830	.133463
3.94	-.181788	-.193103	-.201192	-.206488	-.209345	-.210051	.130980
3.95	-.183086	-.194158	-.202015	-.207092	-.209740	-.210249	.128498
3.96	-.184358	-.195188	-.202815	-.207672	-.210112	-.210424	.126017
3.97	-.185606	-.196194	-.203590	-.208228	-.210461	-.210578	.123538
3.98	-.186829	-.197175	-.204341	-.208761	-.210788	-.210709	.121060
3.99	-.188027	-.198132	-.205068	-.209270	-.211091	-.210819	.118584
4.00	-.189201	-.199064	-.205771	-.209756	-.211372	-.210906	.116111

Table of $Q(y, \varphi)$ and $S(y)$

$y \backslash \varphi$	0.0	0.1	0.2	0.3	0.4	0.5	$S(y)$
4.00	-.189201	-.199064	-.205771	-.209756	-.211372	-.210906	.116111
4.01	-.190349	-.199972	-.206450	-.210219	-.211630	-.210972	.113639
4.02	-.191473	-.200855	-.207105	-.210658	-.211865	-.211016	.111170
4.03	-.192573	-.201714	-.207736	-.211074	-.212078	-.211038	.108704
4.04	-.193648	-.202549	-.208344	-.211460	-.212269	-.211039	.106240
4.05	-.194698	-.203359	-.208927	-.211836	-.212437	-.211019	.103779
4.06	-.195723	-.204146	-.209487	-.212183	-.212583	-.210977	.101321
4.07	-.196724	-.204908	-.210024	-.212506	-.212707	-.210913	.098866
4.08	-.197700	-.205646	-.210537	-.212807	-.212809	-.210829	.096415
4.09	-.198652	-.206359	-.211026	-.213085	-.212889	-.210724	.093967
4.10	-.199580	-.207049	-.211492	-.213341	-.212947	-.210598	.091523
4.11	-.200483	-.207715	-.211934	-.213574	-.212984	-.210451	.089083
4.12	-.201361	-.208357	-.212354	-.213784	-.212998	-.210283	.086646
4.13	-.202216	-.208975	-.212750	-.213972	-.212991	-.210095	.084214
4.14	-.203046	-.209570	-.213123	-.214137	-.212963	-.209886	.081786
4.15	-.203851	-.210140	-.213473	-.214280	-.212913	-.209657	.079363
4.16	-.204633	-.210687	-.213800	-.214401	-.212842	-.209407	.076945
4.17	-.205390	-.211211	-.214104	-.214500	-.212750	-.209138	.074531
4.18	-.206124	-.211711	-.214385	-.214577	-.212637	-.208848	.072122
4.19	-.206833	-.212187	-.214643	-.214632	-.212502	-.208539	.069718
4.20	-.207518	-.212640	-.214879	-.214665	-.212347	-.208209	.067320
4.21	-.208179	-.213070	-.215092	-.214676	-.212172	-.207861	.064927
4.22	-.208817	-.213476	-.215282	-.214666	-.211975	-.207492	.062539
4.23	-.209430	-.213859	-.215451	-.214635	-.211758	-.207104	.060158
4.24	-.210020	-.214219	-.215597	-.214581	-.211521	-.206697	.057782
4.25	-.210586	-.214556	-.215720	-.214507	-.211263	-.206271	.055412
4.26	-.211128	-.214870	-.215822	-.214411	-.210985	-.205825	.053049
4.27	-.211647	-.215161	-.215901	-.214294	-.210687	-.205361	.050692
4.28	-.212142	-.215429	-.215958	-.214157	-.210369	-.204877	.048341
4.29	-.212614	-.215675	-.215994	-.213998	-.210032	-.204376	.045997
4.30	-.213062	-.215898	-.216008	-.213818	-.209674	-.203855	.043660
4.31	-.213487	-.216098	-.216000	-.213618	-.209297	-.203316	.041330
4.32	-.213888	-.216276	-.215970	-.213397	-.208907	-.202759	.039007
4.33	-.214267	-.216431	-.215919	-.213156	-.208485	-.202184	.036691
4.34	-.214622	-.216564	-.215847	-.212894	-.208049	-.201590	.034382
4.35	-.214955	-.216675	-.215753	-.212613	-.207595	-.200979	.032081
4.36	-.215264	-.216764	-.215638	-.212310	-.207122	-.200350	.029788
4.37	-.215550	-.216831	-.215502	-.211988	-.206630	-.199703	.027503
4.38	-.215814	-.216875	-.215345	-.211647	-.206119	-.199039	.025226
4.39	-.216055	-.216898	-.215168	-.211285	-.205589	-.198357	.022956
4.40	-.216273	-.216899	-.214969	-.210903	-.205042	-.197659	.020695
4.41	-.216469	-.216879	-.214750	-.210503	-.204475	-.196943	.018443
4.42	-.216642	-.216837	-.214510	-.210082	-.203891	-.196210	.016199
4.43	-.216793	-.216773	-.214250	-.209643	-.203288	-.195460	.013963
4.44	-.216921	-.216688	-.213969	-.209184	-.202668	-.194694	.011737
4.45	-.217028	-.216582	-.213669	-.208706	-.202029	-.193911	.009519
4.46	-.217112	-.216454	-.213348	-.208209	-.201373	-.193112	.007311
4.47	-.217174	-.216306	-.213007	-.207693	-.200699	-.192297	.005112
4.48	-.217214	-.216137	-.212647	-.207159	-.200008	-.191465	.002922
4.49	-.217232	-.215946	-.212266	-.206606	-.199300	-.190618	.000741
4.50	-.217229	-.215735	-.211866	-.206035	-.198575	-.189754	-.001430

Table of $Q(y, \varphi)$ and $S(y)$

$y \backslash \varphi$	0.0	0.1	0.2	0.3	0.4	0.5	$S(y)$
4.50	-.217229	-.215735	-.211866	-.206035	-.198575	-.189754	-.001430
4.51	-.217204	-.215504	-.211447	-.205445	-.197832	-.188875	-.003591
4.52	-.217157	-.215252	-.211008	-.204838	-.197073	-.187981	-.005742
4.53	-.217089	-.214979	-.210550	-.204212	-.196297	-.187071	-.007883
4.54	-.217000	-.214686	-.210072	-.203568	-.195504	-.186146	-.010014
4.55	-.216889	-.214373	-.209576	-.202907	-.194695	-.185206	-.012135
4.56	-.216757	-.214040	-.209061	-.202228	-.193870	-.184251	-.014245
4.57	-.216604	-.213687	-.208527	-.201532	-.193028	-.183281	-.016345
4.58	-.216430	-.213314	-.207975	-.200818	-.192171	-.182297	-.018434
4.59	-.216235	-.212922	-.207404	-.200087	-.191297	-.181298	-.020512
4.60	-.216020	-.212509	-.206814	-.199339	-.190408	-.180285	-.022580
4.61	-.215784	-.212078	-.206207	-.198574	-.189503	-.179257	-.024636
4.62	-.215527	-.211627	-.205581	-.197792	-.188583	-.178216	-.026682
4.63	-.215250	-.211157	-.204937	-.196993	-.187648	-.177161	-.028716
4.64	-.214953	-.210667	-.204276	-.196179	-.186697	-.176092	-.030739
4.65	-.214635	-.210159	-.203596	-.195347	-.185732	-.175009	-.032750
4.66	-.214298	-.209632	-.202900	-.194500	-.184752	-.173913	-.034750
4.67	-.213940	-.209086	-.202185	-.193636	-.183757	-.172804	-.036737
4.68	-.213563	-.208522	-.201454	-.192756	-.182747	-.171682	-.038714
4.69	-.213166	-.207939	-.200705	-.191861	-.181723	-.170547	-.040678
4.70	-.212750	-.207337	-.199939	-.190950	-.180685	-.169399	-.042630
4.71	-.212314	-.206718	-.199157	-.190024	-.179633	-.168239	-.044570
4.72	-.211858	-.206081	-.198358	-.189082	-.178567	-.167066	-.046498
4.73	-.211384	-.205425	-.197542	-.188125	-.177487	-.165881	-.048413
4.74	-.210890	-.204752	-.196709	-.187153	-.176394	-.164683	-.050316
4.75	-.210377	-.204061	-.195861	-.186166	-.175287	-.163474	-.052206
4.76	-.209846	-.203352	-.194996	-.185164	-.174167	-.162253	-.054084
4.77	-.209296	-.202626	-.194115	-.184148	-.173034	-.161020	-.055949
4.78	-.208727	-.201883	-.193218	-.183117	-.171887	-.159776	-.057801
4.79	-.208140	-.201123	-.192306	-.182072	-.170728	-.158521	-.059639
4.80	-.207534	-.200346	-.191378	-.181013	-.169557	-.157254	-.061465
4.81	-.206911	-.199552	-.190434	-.179940	-.168373	-.155977	-.063278
4.82	-.206269	-.198741	-.189476	-.178853	-.167176	-.154688	-.065077
4.83	-.205609	-.197914	-.188502	-.177752	-.165967	-.153389	-.066863
4.84	-.204932	-.197070	-.187513	-.176638	-.164747	-.152079	-.068636
4.85	-.204236	-.196210	-.186509	-.175511	-.163514	-.150759	-.070395
4.86	-.203524	-.195334	-.185491	-.174370	-.162270	-.149429	-.072140
4.87	-.202794	-.194442	-.184458	-.173216	-.161014	-.148089	-.073871
4.88	-.202046	-.193534	-.183411	-.172050	-.159747	-.146739	-.075589
4.89	-.201282	-.192610	-.182350	-.170870	-.158469	-.145379	-.077293
4.90	-.200501	-.191671	-.181274	-.169679	-.157179	-.144010	-.078982
4.91	-.199702	-.190717	-.180185	-.168474	-.155879	-.142631	-.080658
4.92	-.198887	-.189747	-.179081	-.167258	-.154568	-.141244	-.082319
4.93	-.198056	-.188762	-.177965	-.166029	-.153246	-.139847	-.083966
4.94	-.197208	-.187762	-.176834	-.164789	-.151914	-.138441	-.085599
4.95	-.196344	-.186748	-.175691	-.163536	-.150572	-.137027	-.087217
4.96	-.195464	-.185718	-.174534	-.162272	-.149220	-.135604	-.088821
4.97	-.194568	-.184675	-.173365	-.160997	-.147858	-.134173	-.090410
4.98	-.193656	-.183617	-.172182	-.159710	-.146486	-.132733	-.091985
4.99	-.192728	-.182544	-.170987	-.158413	-.145104	-.131286	-.093544
5.00	-.191785	-.181458	-.169780	-.157104	-.143714	-.129831	-.095089

Table of $Q(y, \varphi)$ and $S(y)$

$y \varphi$	0.5	0.6	0.7	0.8	0.9	1.0	$S(y)$
3.00	-.084383	-.102547	-.118504	-.132390	-.144310	-.154344	.345677
3.01	-.086856	-.104818	-.120571	-.134251	-.145966	-.155793	.343836
3.02	-.089306	-.107064	-.122612	-.136087	-.147596	-.157217	.341980
3.03	-.091732	-.109286	-.124630	-.137899	-.149201	-.158615	.340110
3.04	-.094135	-.111484	-.126622	-.139685	-.150780	-.159989	.338225
3.05	-.096513	-.113658	-.128589	-.141446	-.152335	-.161337	.336327
3.06	-.098868	-.115806	-.130532	-.143182	-.153864	-.162660	.334414
3.07	-.101198	-.117931	-.132450	-.144893	-.155369	-.163958	.332488
3.08	-.103504	-.120031	-.134343	-.146579	-.156848	-.165232	.330548
3.09	-.105787	-.122106	-.136211	-.148240	-.158302	-.166480	.328595
3.10	-.108045	-.124157	-.138054	-.149876	-.159731	-.167703	.326628
3.11	-.110279	-.126183	-.139872	-.151486	-.161135	-.168902	.324649
3.12	-.112488	-.128184	-.141665	-.153072	-.162514	-.170076	.322656
3.13	-.114674	-.130161	-.143433	-.154633	-.163868	-.171224	.320651
3.14	-.116835	-.132113	-.145177	-.156168	-.165198	-.172348	.318632
3.15	-.118971	-.134040	-.146895	-.157679	-.166502	-.173448	.316602
3.16	-.121083	-.135942	-.148589	-.159164	-.167781	-.174523	.314559
3.17	-.123171	-.137820	-.150257	-.160625	-.169035	-.175573	.312504
3.18	-.125234	-.139672	-.151900	-.162060	-.170264	-.176598	.310436
3.19	-.127273	-.141500	-.153519	-.163471	-.171469	-.177599	.308357
3.20	-.129287	-.143303	-.155112	-.164856	-.172649	-.178575	.306267
3.21	-.131276	-.145082	-.156681	-.166217	-.173804	-.179527	.304164
3.22	-.133241	-.146835	-.158224	-.167553	-.174934	-.180455	.302050
3.23	-.135181	-.148563	-.159743	-.168864	-.176040	-.181358	.299926
3.24	-.137097	-.150267	-.161236	-.170149	-.177120	-.182237	.297790
3.25	-.138987	-.151945	-.162705	-.171410	-.178177	-.183092	.295643
3.26	-.140853	-.153599	-.164149	-.172647	-.179209	-.183923	.293485
3.27	-.142694	-.155228	-.165567	-.173858	-.180216	-.184729	.291317
3.28	-.144511	-.156832	-.166961	-.175045	-.181199	-.185512	.289138
3.29	-.146302	-.158411	-.168330	-.176207	-.182157	-.186270	.286950
3.30	-.148069	-.159965	-.169674	-.177344	-.183091	-.187005	.284751
3.31	-.149811	-.161494	-.170993	-.178456	-.184000	-.187716	.282542
3.32	-.151528	-.162998	-.172287	-.179544	-.184886	-.188403	.280324
3.33	-.153220	-.164477	-.173557	-.180608	-.185747	-.189066	.278096
3.34	-.154888	-.165931	-.174801	-.181646	-.186584	-.189706	.275858
3.35	-.156530	-.167361	-.176021	-.182661	-.187397	-.190322	.273612
3.36	-.158148	-.168765	-.177216	-.183650	-.188186	-.190915	.271356
3.37	-.159740	-.170145	-.178387	-.184616	-.188951	-.191484	.269092
3.38	-.161308	-.171499	-.179532	-.185557	-.189691	-.192030	.266819
3.39	-.162851	-.172829	-.180654	-.186473	-.190409	-.192553	.264537
3.40	-.164369	-.174134	-.181750	-.187366	-.191102	-.193052	.262247
3.41	-.165862	-.175415	-.182822	-.188234	-.191771	-.193529	.259948
3.42	-.167331	-.176670	-.183869	-.189078	-.192417	-.193982	.257642
3.43	-.168774	-.177901	-.184892	-.189898	-.193039	-.194413	.255328
3.44	-.170192	-.179107	-.185890	-.190693	-.193638	-.194820	.253006
3.45	-.171586	-.180288	-.186864	-.191465	-.194214	-.195205	.250677
3.46	-.172955	-.181445	-.187813	-.192213	-.194765	-.195568	.248340
3.47	-.174299	-.182576	-.188738	-.192937	-.195294	-.195907	.245996
3.48	-.175618	-.183684	-.189639	-.193637	-.195799	-.196224	.243646
3.49	-.176912	-.184766	-.190516	-.194313	-.196282	-.196519	.241288
3.50	-.178182	-.185824	-.191368	-.194966	-.196741	-.196792	.238924

Table of $Q(y, \rho)$ and $S(y)$

$y \backslash \rho$	0.5	0.6	0.7	0.8	0.9	1.0	$S(y)$
3.50	-.178182	-.185824	-.191368	-.194966	-.196741	-.196792	.238924
3.51	-.179426	-.186858	-.192196	-.195595	-.197177	-.197042	.236553
3.52	-.180646	-.187867	-.193000	-.196200	-.197590	-.197270	.234176
3.53	-.181842	-.188851	-.193780	-.196782	-.197981	-.197476	.231793
3.54	-.183012	-.189812	-.194536	-.197340	-.198348	-.197660	.229401
3.55	-.184158	-.190747	-.195268	-.197875	-.198693	-.197823	.227009
3.56	-.185279	-.191659	-.195977	-.198387	-.199016	-.197963	.224609
3.57	-.186376	-.192546	-.196661	-.198876	-.199316	-.198082	.222203
3.58	-.187448	-.193409	-.197322	-.199341	-.199593	-.198180	.219792
3.59	-.188495	-.194248	-.197958	-.199783	-.199848	-.198256	.217375
3.60	-.189518	-.195062	-.198572	-.200203	-.200081	-.198311	.214954
3.61	-.190517	-.195853	-.199161	-.200599	-.200292	-.198344	.212529
3.62	-.191491	-.196619	-.199728	-.200973	-.200481	-.198357	.210098
3.63	-.192440	-.197362	-.200270	-.201324	-.200648	-.198348	.207664
3.64	-.193365	-.198080	-.200790	-.201652	-.200793	-.198319	.205225
3.65	-.194266	-.198775	-.201286	-.201957	-.200917	-.198268	.202782
3.66	-.195143	-.199445	-.201759	-.202240	-.201018	-.198197	.200335
3.67	-.195995	-.200093	-.202209	-.202501	-.201099	-.198106	.197885
3.68	-.196823	-.200716	-.202635	-.202740	-.201157	-.197994	.195431
3.69	-.197627	-.201316	-.203039	-.202956	-.201195	-.197862	.192974
3.70	-.198407	-.201892	-.203420	-.203150	-.201211	-.197709	.190514
3.71	-.199163	-.202444	-.203778	-.203322	-.201206	-.197537	.188051
3.72	-.199895	-.202974	-.204113	-.203472	-.201180	-.197344	.185585
3.73	-.200603	-.203479	-.204426	-.203600	-.201133	-.197132	.183116
3.74	-.201287	-.203962	-.204716	-.203707	-.201066	-.196900	.180645
3.75	-.201947	-.204421	-.204983	-.203792	-.200977	-.196648	.178171
3.76	-.202583	-.204858	-.205228	-.203855	-.200868	-.196377	.175696
3.77	-.203196	-.205271	-.205451	-.203897	-.200739	-.196086	.173219
3.78	-.203785	-.205661	-.205652	-.203917	-.200589	-.195776	.170740
3.79	-.204350	-.206028	-.205830	-.203916	-.200419	-.195447	.168259
3.80	-.204892	-.206372	-.205986	-.203895	-.200229	-.195099	.165777
3.81	-.205411	-.206694	-.206121	-.203852	-.200019	-.194733	.163294
3.82	-.205906	-.206993	-.206233	-.203788	-.199789	-.194347	.160809
3.83	-.206378	-.207269	-.206324	-.203703	-.199539	-.193943	.158324
3.84	-.206826	-.207523	-.206393	-.203598	-.199270	-.193520	.155838
3.85	-.207252	-.207754	-.206441	-.203472	-.198981	-.193079	.153352
3.86	-.207654	-.207963	-.206467	-.203325	-.198672	-.192620	.150865
3.87	-.208033	-.208150	-.206471	-.203158	-.198345	-.192142	.148378
3.88	-.208390	-.208315	-.206455	-.202971	-.197998	-.191647	.145892
3.89	-.208723	-.208457	-.206417	-.202764	-.197632	-.191134	.143405
3.90	-.209034	-.208578	-.206358	-.202536	-.197247	-.190603	.140918
3.91	-.209322	-.208676	-.206278	-.202289	-.196844	-.190055	.138433
3.92	-.209587	-.208753	-.206178	-.202022	-.196421	-.189489	.135947
3.93	-.209830	-.208808	-.206056	-.201735	-.195981	-.188906	.133463
3.94	-.210051	-.208842	-.205914	-.201429	-.195521	-.188305	.130980
3.95	-.210249	-.208854	-.205752	-.201103	-.195044	-.187688	.128498
3.96	-.210424	-.208845	-.205569	-.200758	-.194549	-.187054	.126017
3.97	-.210578	-.208814	-.205366	-.200394	-.194035	-.186403	.123538
3.98	-.210709	-.208762	-.205142	-.200011	-.193504	-.185736	.121060
3.99	-.210819	-.208690	-.204899	-.199608	-.192954	-.185052	.118584
4.00	-.210906	-.208596	-.204635	-.199187	-.192388	-.184352	.116111

Table of $Q(y, \varphi)$ and $S(y)$

$y \backslash \varphi$	0.5	0.6	0.7	0.8	0.9	1.0	$S(y)$
4.00	-.210906	-.208596	-.204635	-.199187	-.192388	-.184352	.116111
4.01	-.210972	-.208481	-.204352	-.198748	-.191803	-.183635	.113639
4.02	-.211016	-.208346	-.204049	-.198289	-.191202	-.182903	.111170
4.03	-.211038	-.208189	-.203727	-.197812	-.190583	-.182155	.108704
4.04	-.211039	-.208013	-.203385	-.197317	-.189947	-.181391	.106240
4.05	-.211019	-.207816	-.203023	-.196804	-.189294	-.180611	.103779
4.06	-.210977	-.207598	-.202643	-.196273	-.188625	-.179816	.101321
4.07	-.210913	-.207360	-.202243	-.195723	-.187939	-.179006	.098866
4.08	-.210829	-.207103	-.201824	-.195156	-.187236	-.178180	.096415
4.09	-.210724	-.206825	-.201387	-.194572	-.186517	-.177340	.093967
4.10	-.210598	-.206527	-.200930	-.193970	-.185782	-.176485	.091523
4.11	-.210451	-.206210	-.200455	-.193350	-.185031	-.175615	.089083
4.12	-.210283	-.205873	-.199962	-.192713	-.184263	-.174730	.086646
4.13	-.210095	-.205516	-.199450	-.192059	-.183480	-.173832	.084214
4.14	-.209886	-.205140	-.198920	-.191388	-.182682	-.172919	.081786
4.15	-.209657	-.204745	-.198372	-.190701	-.181868	-.171991	.079363
4.16	-.209407	-.204331	-.197806	-.189996	-.181038	-.171050	.076945
4.17	-.209138	-.203897	-.197223	-.189276	-.180193	-.170095	.074531
4.18	-.208848	-.203445	-.196621	-.188538	-.179334	-.169127	.072122
4.19	-.208539	-.202974	-.196002	-.187785	-.178459	-.168145	.069718
4.20	-.208209	-.202485	-.195366	-.187015	0.177570	-.167149	.067320
4.21	-.207861	-.201976	-.194712	-.186229	-.176666	-.166141	.064927
4.22	-.207492	-.201450	-.194041	-.185428	-.175748	-.165120	.062539
4.23	-.207104	-.200905	-.193353	-.184611	-.174815	-.164085	.060158
4.24	-.206697	-.200342	-.192649	-.183778	-.173868	-.163038	.057782
4.25	-.206271	-.199761	-.191927	-.182930	-.172907	-.161979	.055412
4.26	-.205825	-.199162	-.191189	-.182067	-.171933	-.160907	.053049
4.27	-.205361	-.198546	-.190435	-.181189	-.170944	-.159822	.050692
4.28	-.204877	-.197912	-.189664	-.180295	-.169943	-.158726	.048341
4.29	-.204376	-.197260	-.188877	-.179387	-.168927	-.157618	.045997
4.30	-.203855	-.196592	-.188074	-.178464	-.167899	-.156498	.043660
4.31	-.203316	-.195906	-.187256	-.177527	-.166857	-.155366	.041330
4.32	-.202759	-.195202	-.186421	-.176576	-.165803	-.154223	.039007
4.33	-.202184	-.194482	-.185571	-.175610	-.164736	-.153069	.036691
4.34	-.201590	-.193746	-.184706	-.174630	-.163656	-.151904	.034382
4.35	-.200979	-.192992	-.183825	-.173637	-.162564	-.150728	.032081
4.36	-.200350	-.192223	-.182929	-.172629	-.161459	-.149540	.029788
4.37	-.199703	-.191436	-.182018	-.171608	-.160343	-.148343	.027503
4.38	-.199039	-.190634	-.181093	-.170574	-.159214	-.147135	.025226
4.39	-.198357	-.189816	-.180152	-.169526	-.158074	-.145916	.022956
4.40	-.197659	-.188981	-.179197	-.168465	-.156922	-.144687	.020695
4.41	-.196943	-.188131	-.178228	-.167392	-.155758	-.143449	.018443
4.42	-.196210	-.187266	-.177245	-.166305	-.154584	-.142200	.016199
4.43	-.195460	-.186384	-.176247	-.165206	-.153398	-.140942	.013963
4.44	-.194694	-.185488	-.175235	-.164094	-.152201	-.139674	.011737
4.45	-.193911	-.184576	-.174210	-.162970	-.150993	-.138397	.009519
4.46	-.193112	-.183650	-.173171	-.161834	-.149774	-.137111	.007311
4.47	-.192297	-.182708	-.172119	-.160686	-.148545	-.135816	.005112
4.48	-.191465	-.181752	-.171053	-.159526	-.147306	-.134512	.002922
4.49	-.190618	-.180781	-.169975	-.158355	-.146056	-.133199	.000741
4.50	-.189754	-.179796	-.168883	-.157171	-.144797	-.131878	.000430

Table of $Q(y, \varphi)$ and $S(y)$

$y \varphi$	0.5	0.6	0.7	0.8	0.9	1.0	$S(y)$
4.50	-.189754	-.179796	-.168883	-.157171	-.144797	-.131878	-.001430
4.51	-.188875	-.178796	-.167778	-.155977	-.143527	-.130548	-.003591
4.52	-.187981	-.177783	-.166661	-.154771	-.142248	-.129210	-.005742
4.53	-.187071	-.176755	-.165531	-.153554	-.140959	-.127864	-.007883
4.54	-.186146	-.175714	-.164389	-.152327	-.139661	-.126510	-.010014
4.55	-.185206	-.174658	-.163234	-.151088	-.138353	-.125149	-.012135
4.56	-.184251	-.173590	-.162068	-.149839	-.137037	-.123780	-.014245
4.57	-.183281	-.172508	-.160890	-.148580	-.135712	-.122403	-.016345
4.58	-.182297	-.171413	-.159700	-.147310	-.134377	-.121020	-.018434
4.59	-.181298	-.170305	-.158498	-.146031	-.133035	-.119629	-.020512
4.60	-.180285	-.169184	-.157285	-.144741	-.131684	-.118231	-.022580
4.61	-.179257	-.168050	-.156061	-.143442	-.130324	-.116827	-.024636
4.62	-.178216	-.166904	-.154826	-.142133	-.128957	-.115416	-.026682
4.63	-.177161	-.165745	-.153579	-.140814	-.127582	-.113999	-.028716
4.64	-.176092	-.164574	-.152322	-.139487	-.126198	-.112575	-.030739
4.65	-.175009	-.163391	-.151055	-.138150	-.124808	-.111145	-.032750
4.66	-.173913	-.162196	-.149777	-.136804	-.123410	-.109710	-.034750
4.67	-.172804	-.160990	-.148488	-.135450	-.122004	-.108268	-.036737
4.68	-.171682	-.159771	-.147190	-.134087	-.120592	-.106821	-.038714
4.69	-.170547	-.158542	-.145882	-.132716	-.119172	-.105369	-.040678
4.70	-.169399	-.157301	-.144564	-.131336	-.117746	-.103911	-.042630
4.71	-.168239	-.156049	-.143236	-.129948	-.116313	-.102448	-.044570
4.72	-.167066	-.154786	-.141899	-.128552	-.114874	-.100981	-.046498
4.73	-.165881	-.153512	-.140552	-.127149	-.113429	-.099508	-.048413
4.74	-.164683	-.152227	-.139197	-.125737	-.111977	-.098031	-.050316
4.75	-.163474	-.150932	-.137832	-.124319	-.110520	-.096549	-.052206
4.76	-.162253	-.149627	-.136459	-.122893	-.109056	-.095063	-.054084
4.77	-.161020	-.148312	-.135077	-.121460	-.107587	-.093573	-.055949
4.78	-.159776	-.146986	-.133686	-.120020	-.106113	-.092079	-.057801
4.79	-.158521	-.145651	-.132287	-.118573	-.104633	-.090581	-.059639
4.80	-.157254	-.144306	-.130881	-.117119	-.103148	-.089079	-.061465
4.81	-.155977	-.142952	-.129466	-.115660	-.101658	-.087574	-.063278
4.82	-.154688	-.141588	-.128043	-.114193	-.100164	-.086066	-.065077
4.83	-.153389	-.140216	-.126613	-.112721	-.098664	-.084554	-.066863
4.84	-.152079	-.138834	-.125175	-.111243	-.097160	-.083040	-.068636
4.85	-.150759	-.137443	-.123730	-.109759	-.095652	-.081522	-.070395
4.86	-.149429	-.136044	-.122278	-.108269	-.094140	-.080002	-.072140
4.87	-.148089	-.134636	-.120818	-.106774	-.092624	-.078479	-.073871
4.88	-.146739	-.133220	-.119352	-.105273	-.091104	-.076954	-.075589
4.89	-.145379	-.131796	-.117880	-.103767	-.089580	-.075426	-.077293
4.90	-.144010	-.130364	-.116401	-.102257	-.088052	-.073897	-.078982
4.91	-.142631	-.128924	-.114915	-.100741	-.086522	-.072365	-.080658
4.92	-.141244	-.127476	-.113423	-.099221	-.084988	-.070832	-.082319
4.93	-.139847	-.126021	-.111926	-.097696	-.083451	-.069297	-.083966
4.94	-.138441	-.124558	-.110422	-.096167	-.081911	-.067761	-.085599
4.95	-.137027	-.123089	-.108913	-.094634	-.080368	-.066223	-.087217
4.96	-.135604	-.121612	-.107399	-.093097	-.078823	-.064685	-.088821
4.97	-.134173	-.120129	-.105879	-.091556	-.077276	-.063145	-.090410
4.98	-.132733	-.118638	-.104354	-.090011	-.075726	-.061604	-.091985
4.99	-.131286	-.117142	-.102824	-.088463	-.074174	-.060063	-.093544
5.00	-.129831	-.115639	-.101287	-.086911	-.072621	-.058521	-.095089

Table of $Q(y, \varphi)$ and $S(y)$

$y \backslash \varphi$	1.0	1.1	1.2	1.3	1.4	$\pi/2$	$S(y)$
3.00	-.154344	-.162545	-.168945	-.173553	-.176359	-.176889	.345677
3.01	-.155793	-.163788	-.169982	-.174385	-.176988	-.177177	.343836
3.02	-.157217	-.165005	-.170993	-.175192	-.177593	-.177444	.341980
3.03	-.158615	-.166198	-.171981	-.175976	-.178174	-.177689	.340110
3.04	-.159989	-.167365	-.172943	-.176735	-.178732	-.177912	.338225
3.05	-.161337	-.168508	-.173881	-.177470	-.179267	-.178113	.336327
3.06	-.162660	-.169626	-.174795	-.178182	-.179779	-.178294	.334414
3.07	-.163958	-.170719	-.175684	-.178869	-.180268	-.178453	.332488
3.08	-.165232	-.171787	-.176549	-.179533	-.180734	-.178590	.330548
3.09	-.166480	-.172831	-.177390	-.180174	-.181177	-.178707	.328595
3.10	-.167703	-.173850	-.178207	-.180790	-.181597	-.178803	.326628
3.11	-.168902	-.174844	-.179000	-.181384	-.181995	-.178878	.324649
3.12	-.170076	-.175814	-.179768	-.181954	-.182370	-.178932	.322656
3.13	-.171224	-.176760	-.180513	-.182501	-.182723	-.178966	.320651
3.14	-.172348	-.177681	-.181233	-.183024	-.183054	-.178979	.318632
3.15	-.173448	-.178578	-.181930	-.183525	-.183362	-.178973	.316602
3.16	-.174523	-.179450	-.182604	-.184002	-.183648	-.178945	.314559
3.17	-.175573	-.180299	-.183253	-.184457	-.183912	-.178898	.312504
3.18	-.176598	-.181123	-.183879	-.184888	-.184154	-.178832	.310436
3.19	-.177599	-.181923	-.184482	-.185298	-.184375	-.178745	.308357
3.20	-.178575	-.182699	-.185061	-.185684	-.184574	-.178638	.306267
3.21	-.179527	-.183451	-.185617	-.186048	-.184751	-.178513	.304164
3.22	-.180455	-.184179	-.186149	-.186389	-.184907	-.178367	.302050
3.23	-.181358	-.184884	-.186659	-.186709	-.185041	-.178203	.299926
3.24	-.182237	-.185564	-.187145	-.187006	-.185155	-.178019	.297790
3.25	-.183092	-.186221	-.187609	-.187280	-.185247	-.177817	.295643
3.26	-.183923	-.186855	-.188049	-.187533	-.185318	-.177596	.293485
3.27	-.184729	-.187464	-.188467	-.187764	-.185369	-.177355	.291317
3.28	-.185512	-.188051	-.188862	-.187973	-.185398	-.177097	.289138
3.29	-.186270	-.188614	-.189234	-.188161	-.185407	-.176820	.286950
3.30	-.187005	-.189154	-.189584	-.188327	-.185396	-.176525	.284751
3.31	-.187716	-.189670	-.189912	-.188471	-.185364	-.176211	.282542
3.32	-.188403	-.190164	-.190217	-.188594	-.185312	-.175880	.280324
3.33	-.189066	-.190634	-.190500	-.188696	-.185240	-.175531	.278096
3.34	-.189706	-.191082	-.190761	-.188777	-.185147	-.175164	.275858
3.35	-.190322	-.191506	-.191000	-.188836	-.185035	-.174780	.273612
3.36	-.190915	-.191908	-.191217	-.188875	-.184903	-.174378	.271356
3.37	-.191484	-.192287	-.191412	-.188893	-.184752	-.173958	.269092
3.38	-.192030	-.192644	-.191585	-.188890	-.184581	-.173522	.266819
3.39	-.192553	-.192978	-.191737	-.188867	-.184391	-.173069	.264537
3.40	-.193052	-.193290	-.191867	-.188823	-.184181	-.172599	.262247
3.41	-.193529	-.193579	-.191976	-.188759	-.183952	-.172112	.259948
3.42	-.193982	-.193846	-.192064	-.188675	-.183705	-.171609	.257642
3.43	-.194413	-.194091	-.192130	-.188570	-.183438	-.171089	.255328
3.44	-.194820	-.194314	-.192176	-.188446	-.183153	-.170553	.253006
3.45	-.195205	-.194515	-.192200	-.188302	-.182849	-.170001	.250677
3.46	-.195568	-.194695	-.192204	-.188138	-.182527	-.169433	.248340
3.47	-.195907	-.194852	-.192187	-.187954	-.182186	-.168849	.245996
3.48	-.196224	-.194988	-.192149	-.187751	-.181827	-.168249	.243646
3.49	-.196519	-.195103	-.192091	-.187529	-.181451	-.167634	.241288
3.50	-.196792	-.195196	-.192013	-.187288	-.181056	-.167004	.238924

Table of $Q(y, \varphi)$ and $S(y)$

$y \backslash \varphi$	1.0	1.1	1.2	1.3	1.4	$\pi/2$	$S(y)$
3.50	-.196792	-.195196	-.192013	-.187288	-.181056	-.167004	.238924
3.51	-.197042	-.195267	-.191914	-.187027	-.180643	-.166358	.236553
3.52	-.197270	-.195318	-.191795	-.186748	-.180213	-.165698	.234176
3.53	-.197476	-.195347	-.191656	-.186449	-.179766	-.165022	.231793
3.54	-.197660	-.195356	-.191497	-.186132	-.179301	-.164332	.229401
3.55	-.197823	-.195343	-.191318	-.185797	-.178819	-.163627	.227009
3.56	-.197963	-.195310	-.191120	-.185443	-.178320	-.162907	.224609
3.57	-.198082	-.195256	-.190902	-.185071	-.177803	-.162174	.222203
3.58	-.198180	-.195182	-.190665	-.184680	-.177271	-.161426	.219792
3.59	-.198256	-.195087	-.190409	-.184272	-.176721	-.160664	.217375
3.60	-.198311	-.194972	-.190133	-.183846	-.176155	-.159888	.214954
3.61	-.198344	-.194837	-.189838	-.183402	-.175573	-.159099	.212529
3.62	-.198357	-.194682	-.189525	-.182940	-.174974	-.158297	.210098
3.63	-.198348	-.194507	-.189193	-.182461	-.174360	-.157480	.207664
3.64	-.198319	-.194312	-.188842	-.181965	-.173729	-.156650	.205225
3.65	-.198268	-.194097	-.188472	-.181451	-.173083	-.155808	.202782
3.66	-.198197	-.193863	-.188084	-.180920	-.172421	-.154952	.200335
3.67	-.198106	-.193609	-.187678	-.180373	-.171744	-.154084	.197885
3.68	-.197994	-.193336	-.187254	-.179808	-.171051	-.153203	.195431
3.69	-.197862	-.193044	-.186812	-.179227	-.170343	-.152310	.192974
3.70	-.197709	-.192732	-.186352	-.178630	-.169620	-.151404	.190514
3.71	-.197537	-.192402	-.185874	-.178016	-.168883	-.150487	.188051
3.72	-.197344	-.192053	-.185379	-.177386	-.168130	-.149557	.185585
3.73	-.197132	-.191685	-.184867	-.176740	-.167363	-.148615	.183116
3.74	-.196900	-.191299	-.184337	-.176078	-.166582	-.147662	.180645
3.75	-.196648	-.190894	-.183790	-.175401	-.165786	-.146698	.178171
3.76	-.196377	-.190471	-.183226	-.174707	-.164976	-.145722	.175696
3.77	-.196086	-.190029	-.182645	-.173999	-.164153	-.144735	.173219
3.78	-.195776	-.189570	-.182047	-.173275	-.163315	-.143737	.170740
3.79	-.195447	-.189093	-.181433	-.172535	-.162464	-.142728	.168259
3.80	-.195099	-.188598	-.180802	-.171781	-.161599	-.141708	.165777
3.81	-.194733	-.188085	-.180155	-.171012	-.160721	-.140677	.163294
3.82	-.194347	-.187555	-.179492	-.170228	-.159830	-.139637	.160809
3.83	-.193943	-.187007	-.178813	-.169430	-.158926	-.138586	.158324
3.84	-.193520	-.186442	-.178118	-.168617	-.158009	-.137525	.155838
3.85	-.193079	-.185861	-.177407	-.167790	-.157079	-.136454	.153352
3.86	-.192620	-.185262	-.176681	-.166949	-.156136	-.135373	.150865
3.87	-.192142	-.184646	-.175939	-.166094	-.155181	-.134283	.148378
3.88	-.191647	-.184014	-.175182	-.165225	-.154214	-.133183	.145892
3.89	-.191134	-.183365	-.174410	-.164342	-.153235	-.132074	.143405
3.90	-.190603	-.182700	-.173622	-.163446	-.152244	-.130956	.140918
3.91	-.190055	-.182019	-.172820	-.162537	-.151241	-.129829	.138433
3.92	-.189489	-.181321	-.172004	-.161614	-.150227	-.128693	.135947
3.93	-.188906	-.180608	-.171173	-.160678	-.149200	-.127548	.133463
3.94	-.188305	-.179879	-.170327	-.159730	-.148163	-.126395	.130980
3.95	-.187688	-.179134	-.169467	-.158769	-.147115	-.125234	.128498
3.96	-.187054	-.178373	-.168593	-.157795	-.146055	-.124064	.126017
3.97	-.186403	-.177597	-.167706	-.156808	-.144985	-.122886	.123538
3.98	-.185736	-.176806	-.166804	-.155810	-.143904	-.121701	.121060
3.99	-.185052	-.176000	-.165889	-.154799	-.142812	-.120508	.118584
4.00	-.184352	-.175179	-.164960	-.153777	-.141710	-.119306	.116111

Table of $Q(y, \varphi)$ and $S(y)$

$y \backslash \varphi$	1.0	1.1	1.2	1.3	1.4	$\pi/2$	$S(y)$
4.00	-.184352	-.175179	-.164960	-.153777	-.141710	-.119306	.116111
4.01	-.183635	-.174344	-.164018	-.152742	-.140598	-.118099	.113639
4.02	-.182903	-.173493	-.163063	-.151696	-.139476	-.116883	.111170
4.03	-.182155	-.172628	-.162095	-.150639	-.138344	-.115661	.108704
4.04	-.181391	-.171749	-.161114	-.149570	-.137202	-.114431	.106240
4.05	-.180611	-.170856	-.160120	-.148490	-.136051	-.113195	.103779
4.06	-.179816	-.169949	-.159114	-.147399	-.134890	-.111953	.101321
4.07	-.179006	-.169027	-.158096	-.146298	-.133720	-.110703	.098866
4.08	-.178180	-.168092	-.157065	-.145185	-.132541	-.109448	.096415
4.09	-.177340	-.167144	-.156022	-.144062	-.131353	-.108186	.093967
4.10	-.176485	-.166182	-.154967	-.142929	-.130157	-.106919	.091523
4.11	-.175615	-.165207	-.153901	-.141785	-.128951	-.105645	.089083
4.12	-.174730	-.164219	-.152822	-.140632	-.127738	-.104366	.086646
4.13	-.173832	-.163217	-.151733	-.139469	-.126515	-.103081	.084214
4.14	-.172919	-.162203	-.150632	-.138295	-.125285	-.101791	.081786
4.15	-.171991	-.161177	-.149520	-.137113	-.124047	-.100496	.079363
4.16	-.171050	-.160138	-.148397	-.135921	-.122801	-.099196	.076945
4.17	-.170095	-.159086	-.147263	-.134719	-.121547	-.097891	.074531
4.18	-.169127	-.158023	-.146119	-.133509	-.120286	-.096581	.072122
4.19	-.168145	-.156947	-.144964	-.132289	-.119018	-.095266	.069718
4.20	-.167149	-.155860	-.143799	-.131061	-.117742	-.093947	.067320
4.21	-.166141	-.154761	-.142624	-.129825	-.116459	-.092624	.064927
4.22	-.165120	-.153650	-.141438	-.128579	-.115170	-.091297	.062539
4.23	-.164085	-.152528	-.140243	-.127326	-.113874	-.089965	.060158
4.24	-.163038	-.151395	-.139039	-.126064	-.112571	-.088630	.057782
4.25	-.161979	-.150251	-.137824	-.124795	-.111262	-.087291	.055412
4.26	-.160907	-.149096	-.136600	-.123518	-.109946	-.085949	.053049
4.27	-.159822	-.147930	-.135368	-.122233	-.108625	-.084603	.050692
4.28	-.158726	-.146754	-.134126	-.120940	-.107298	-.083254	.048341
4.29	-.157618	-.145567	-.132875	-.119640	-.105964	-.081902	.045997
4.30	-.156498	-.144370	-.131615	-.118334	-.104626	-.080547	.043660
4.31	-.155366	-.143163	-.130347	-.117020	-.103282	-.079190	.041330
4.32	-.154223	-.141946	-.129071	-.115699	-.101932	-.077829	.039007
4.33	-.153069	-.140719	-.127786	-.114371	-.100578	-.076466	.036691
4.34	-.151904	-.139482	-.126493	-.113038	-.099218	-.075101	.034382
4.35	-.150728	-.138236	-.125193	-.111697	-.097854	-.073734	.032081
4.36	-.149540	-.136981	-.123884	-.110351	-.096485	-.072364	.029788
4.37	-.148343	-.135717	-.122568	-.108998	-.095112	-.070993	.027503
4.38	-.147135	-.134444	-.121245	-.107640	-.093734	-.069620	.025226
4.39	-.145916	-.133162	-.119914	-.106276	-.092352	-.068245	.022956
4.40	-.144687	-.131871	-.118576	-.104906	-.090966	-.066869	.020695
4.41	-.143449	-.130572	-.117232	-.103531	-.089576	-.065492	.018443
4.42	-.142200	-.129264	-.115880	-.102151	-.088183	-.064113	.016199
4.43	-.140942	-.127949	-.114522	-.100765	-.086786	-.062733	.013963
4.44	-.139674	-.126625	-.113157	-.099375	-.085385	-.061353	.011737
4.45	-.138397	-.125294	-.111787	-.097980	-.083981	-.059971	.009519
4.46	-.137111	-.123955	-.110410	-.096580	-.082575	-.058589	.007311
4.47	-.135816	-.122608	-.109027	-.095176	-.081165	-.057207	.005112
4.48	-.134512	-.121254	-.107638	-.093767	-.079752	-.055824	.002922
4.49	-.133199	-.119893	-.106243	-.092355	-.078337	-.054441	.000741
4.50	-.131878	-.118525	-.104843	-.090938	-.076919	-.053058	-.001430

Table of $Q(y, \varphi)$ and $S(y)$

$y \backslash \varphi$	1.0	1.1	1.2	1.3	1.4	$\pi/2$	$S(y)$
4.50	-.131878	-.118525	-.104843	-.090938	-.076919	-.053058	-.001430
4.51	-.130548	-.117150	-.103438	-.089518	-.075499	-.051676	-.003591
4.52	-.129210	-.115768	-.102028	-.088094	-.074077	-.050293	-.005742
4.53	-.127864	-.114380	-.100612	-.086666	-.072652	-.048911	-.007883
4.54	-.126510	-.112986	-.099192	-.085235	-.071226	-.047529	-.010014
4.55	-.125149	-.111585	-.097767	-.083801	-.069798	-.046148	-.012135
4.56	-.123780	-.110178	-.096337	-.082364	-.068368	-.044768	-.014245
4.57	-.122403	-.108765	-.094903	-.080924	-.066937	-.043388	-.016345
4.58	-.121020	-.107347	-.093465	-.079481	-.065505	-.042010	-.018434
4.59	-.119629	-.105923	-.092023	-.078035	-.064071	-.040632	-.020512
4.60	-.118231	-.104494	-.090577	-.076587	-.062637	-.039257	-.022580
4.61	-.116827	-.103059	-.089127	-.075137	-.061202	-.037882	-.024636
4.62	-.115416	-.101620	-.087674	-.073685	-.059766	-.036509	-.026682
4.63	-.113999	-.100175	-.086217	-.072231	-.058329	-.035138	-.028716
4.64	-.112575	-.098726	-.084757	-.070774	-.056892	-.033769	-.030739
4.65	-.111145	-.097272	-.083293	-.069317	-.055454	-.032401	-.032750
4.66	-.109710	-.095814	-.081827	-.067857	-.054017	-.031036	-.034750
4.67	-.108268	-.094351	-.080358	-.066397	-.052579	-.029673	-.036737
4.68	-.106821	-.092884	-.078886	-.064935	-.051142	-.028312	-.038714
4.69	-.105369	-.091413	-.077412	-.063472	-.049705	-.026953	-.040678
4.70	-.103911	-.089939	-.075935	-.062008	-.048268	-.025598	-.042630
4.71	-.102448	-.088461	-.074457	-.060543	-.046832	-.024245	-.044570
4.72	-.100981	-.086979	-.072976	-.059077	-.045397	-.022895	-.046498
4.73	-.099508	-.085494	-.071493	-.057612	-.043962	-.031547	-.048413
4.74	-.098031	-.084006	-.070009	-.056145	-.042529	-.020203	-.050316
4.75	-.096549	-.082515	-.068523	-.054679	-.041096	-.018862	-.052206
4.76	-.095063	-.081021	-.067035	-.053212	-.039665	-.017525	-.054084
4.77	-.093573	-.079525	-.065547	-.051746	-.038235	-.016190	-.055949
4.78	-.092079	-.078025	-.064057	-.050280	-.036807	-.014860	-.057801
4.79	-.090581	-.076524	-.062566	-.048814	-.035381	-.013533	-.059639
4.80	-.089079	-.075020	-.061074	-.047349	-.033956	-.012210	-.061465
4.81	-.087574	-.073514	-.059582	-.045884	-.032533	-.010890	-.063278
4.82	-.086066	-.072006	-.058089	-.044420	-.031112	-.009575	-.065077
4.83	-.084554	-.070497	-.056596	-.042957	-.029694	-.008264	-.066863
4.84	-.083040	-.068986	-.055102	-.041496	-.028277	-.006957	-.068636
4.85	-.081522	-.067473	-.053609	-.040035	-.026864	-.005655	-.070395
4.86	-.080002	-.065959	-.052115	-.038576	-.025453	-.004357	-.072140
4.87	-.078479	-.064444	-.050622	-.037118	-.024044	-.003064	-.073871
4.88	-.076954	-.062928	-.049129	-.035662	-.022638	-.001775	-.075589
4.89	-.075426	-.061411	-.047637	-.034208	-.021236	-.000491	-.077293
4.90	-.073897	-.059894	-.046145	-.032755	-.019836	.000788	-.078982
4.91	-.072365	-.058376	-.044654	-.031305	-.018440	.002062	-.080658
4.92	-.070832	-.056857	-.043164	-.029857	-.017047	.003330	-.082319
4.93	-.069297	-.055338	-.041675	-.028411	-.015658	.004594	-.083966
4.94	-.067761	-.053819	-.040187	-.026968	-.014272	.005852	-.085599
4.95	-.066223	-.052300	-.038701	-.025527	-.012890	.007105	-.087217
4.96	-.064685	-.050782	-.037216	-.024089	-.011511	.008352	-.088821
4.97	-.063145	-.049264	-.035732	-.022654	-.010137	.009594	-.090410
4.98	-.061604	-.047746	-.034251	-.021221	-.008767	.010829	-.091985
4.99	-.060063	-.046229	-.032771	-.019792	-.007401	.012059	-.093544
5.00	-.058521	-.044712	-.031293	-.018366	-.006039	.013283	-.095089

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	0.0	0.1	0.2	0.3	0.4	0.5	$T(y)$
3.00	-.329998	-.322100	-.311580	-.299094	-.285104	-.269942	-.062959
3.01	-.329354	-.321189	-.310438	-.297752	-.283587	-.268274	-.065827
3.02	-.328681	-.320253	-.309273	-.296388	-.282051	-.266589	-.068671
3.03	-.327980	-.319290	-.308084	-.295003	-.280496	-.264887	-.071491
3.04	-.327251	-.318302	-.306872	-.293597	-.278921	-.263167	-.074287
3.05	-.326495	-.317288	-.305636	-.292169	-.277327	-.261431	-.077059
3.06	-.325710	-.316249	-.304377	-.290720	-.275715	-.259678	-.079807
3.07	-.324898	-.315185	-.303096	-.289251	-.274084	-.257910	-.082530
3.08	-.324060	-.314096	-.301792	-.287762	-.272436	-.256125	-.085229
3.09	-.323194	-.312982	-.300466	-.286253	-.270769	-.254324	-.087904
3.10	-.322302	-.311845	-.299118	-.284723	-.269085	-.252508	-.090555
3.11	-.321383	-.310683	-.297748	-.283175	-.267383	-.250676	-.093182
3.12	-.320438	-.309497	-.296356	-.281606	-.265664	-.248830	-.095784
3.13	-.319467	-.308288	-.294943	-.280019	-.263928	-.246968	-.098363
3.14	-.318471	-.307056	-.293509	-.278413	-.262176	-.245092	-.100917
3.15	-.317449	-.305801	-.292055	-.276789	-.260407	-.243202	-.103446
3.16	-.316402	-.304523	-.290580	-.275146	-.258622	-.241298	-.105952
3.17	-.315330	-.303222	-.289084	-.273485	-.256821	-.239380	-.108433
3.18	-.314233	-.301899	-.287569	-.271806	-.255004	-.237449	-.110890
3.19	-.313112	-.300553	-.286033	-.270109	-.253172	-.235504	-.113323
3.20	-.311967	-.299186	-.284478	-.268395	-.251325	-.233546	-.115731
3.21	-.310798	-.297798	-.282904	-.266665	-.249462	-.231575	-.118116
3.22	-.309605	-.296388	-.281311	-.264917	-.247585	-.229592	-.120476
3.23	-.308388	-.294957	-.279699	-.263152	-.245694	-.227597	-.122811
3.24	-.307149	-.293505	-.278068	-.261372	-.243788	-.225589	-.125123
3.25	-.305886	-.292032	-.276419	-.259575	-.241869	-.223569	-.127410
3.26	-.304601	-.290539	-.274752	-.257762	-.239936	-.221538	-.129672
3.27	-.303293	-.289026	-.273067	-.255934	-.237989	-.219496	-.131911
3.28	-.301963	-.287493	-.271364	-.254090	-.236029	-.217442	-.134125
3.29	-.300610	-.285941	-.269645	-.252231	-.234056	-.215378	-.136314
3.30	-.299236	-.284369	-.267907	-.250357	-.232071	-.213303	-.138479
3.31	-.297841	-.282778	-.266154	-.248469	-.230072	-.211218	-.140620
3.32	-.296424	-.281167	-.264383	-.246566	-.228062	-.209122	-.142737
3.33	-.294986	-.279539	-.262596	-.244649	-.226040	-.207017	-.144829
3.34	-.293527	-.277892	-.260793	-.242718	-.224006	-.204902	-.146897
3.35	-.292048	-.276226	-.258974	-.240773	-.221960	-.202777	-.148940
3.36	-.290549	-.274543	-.257139	-.238815	-.219903	-.200643	-.150959
3.37	-.289029	-.272842	-.255289	-.236844	-.217835	-.198501	-.152954
3.38	-.287490	-.271124	-.253424	-.234860	-.215756	-.196349	-.154925
3.39	-.285931	-.269388	-.251544	-.232863	-.213667	-.194190	-.156871
3.40	-.284352	-.267636	-.249649	-.230853	-.211567	-.192021	-.158792
3.41	-.282755	-.265866	-.247740	-.228832	-.209457	-.189845	-.160689
3.42	-.281139	-.264080	-.245817	-.226798	-.207338	-.187662	-.162562
3.43	-.279504	-.262279	-.243879	-.224753	-.205208	-.185470	-.164411
3.44	-.277851	-.260461	-.241928	-.222696	-.203070	-.183271	-.166235
3.45	-.276179	-.258627	-.239964	-.220628	-.200922	-.181066	-.168035
3.46	-.274490	-.256778	-.237986	-.218548	-.198765	-.178853	-.169810
3.47	-.272783	-.254913	-.235995	-.216458	-.196600	-.176634	-.171562
3.48	-.271059	-.253034	-.233992	-.214358	-.194426	-.174408	-.173289
3.49	-.269317	-.251139	-.231976	-.212247	-.192244	-.172177	-.174991
3.50	-.267559	-.249231	-.229948	-.210126	-.190055	-.169939	-.176669

Table of $H(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	0.0	0.1	0.2	0.3	0.4	0.5	$T(y)$
3.50	-.267559	-.249231	-.229948	-.210126	-.190055	-.169939	-.176669
3.51	-.265784	-.247308	-.227908	-.207996	-.187857	-.167696	-.178323
3.52	-.263993	-.245370	-.225856	-.205855	-.185652	-.165447	-.179953
3.53	-.262185	-.243419	-.223792	-.203706	-.183440	-.163193	-.181558
3.54	-.260362	-.241455	-.221717	-.201547	-.181220	-.160934	-.183139
3.55	-.258522	-.239477	-.219631	-.199379	-.178994	-.158671	-.184696
3.56	-.256668	-.237486	-.217534	-.197203	-.176761	-.156402	-.186229
3.57	-.254798	-.235482	-.215427	-.195018	-.174522	-.154130	-.187737
3.58	-.252913	-.233466	-.213309	-.192825	-.172277	-.151853	-.189221
3.59	-.251014	-.231437	-.211182	-.190624	-.170026	-.149573	-.190681
3.60	-.249100	-.229397	-.209044	-.188416	-.167770	-.147289	-.192117
3.61	-.247171	-.227344	-.206897	-.186200	-.165508	-.145001	-.193528
3.62	-.245229	-.225279	-.204740	-.183976	-.163240	-.142710	-.194916
3.63	-.243273	-.223204	-.202574	-.181746	-.160968	-.140416	-.196279
3.64	-.241304	-.221117	-.200399	-.179509	-.158691	-.138120	-.197618
3.65	-.239321	-.219019	-.198216	-.177265	-.156410	-.135821	-.198934
3.66	-.237325	-.216910	-.196024	-.175015	-.154124	-.133520	-.200225
3.67	-.235316	-.214791	-.193824	-.172759	-.151835	-.131216	-.201492
3.68	-.233295	-.212662	-.191616	-.170497	-.149541	-.128911	-.202735
3.69	-.231262	-.210523	-.189400	-.168230	-.147244	-.126604	-.203954
3.70	-.229216	-.208374	-.187176	-.165957	-.144943	-.124295	-.205149
3.71	-.227159	-.206216	-.184946	-.163679	-.142640	-.121986	-.206321
3.72	-.225090	-.204048	-.182708	-.161396	-.140333	-.119675	-.207468
3.73	-.223010	-.201871	-.180463	-.159108	-.138024	-.117363	-.208592
3.74	-.220918	-.199686	-.178212	-.156815	-.135712	-.115051	-.209691
3.75	-.218816	-.197491	-.175954	-.154519	-.133397	-.112739	-.210767
3.76	-.216703	-.195289	-.173691	-.152218	-.131081	-.110426	-.211819
3.77	-.214580	-.193078	-.171421	-.149914	-.128763	-.108113	-.212848
3.78	-.212446	-.190860	-.169146	-.147606	-.126443	-.105801	-.213853
3.79	-.210303	-.188634	-.166865	-.145294	-.124122	-.103489	-.214834
3.80	-.208149	-.186401	-.164579	-.142979	-.121800	-.101178	-.215791
3.81	-.205987	-.184160	-.162288	-.140662	-.119476	-.098867	-.216725
3.82	-.203815	-.181912	-.159992	-.138341	-.117152	-.096558	-.217636
3.83	-.201634	-.179658	-.157692	-.136019	-.114828	-.094249	-.218523
3.84	-.199445	-.177397	-.155387	-.133693	-.112503	-.091943	-.219386
3.85	-.197247	-.175131	-.153078	-.131366	-.110177	-.089638	-.220226
3.86	-.195040	-.172858	-.150766	-.129037	-.107852	-.087335	-.221043
3.87	-.192826	-.170579	-.148450	-.126706	-.105527	-.085034	-.221837
3.88	-.190603	-.168294	-.146130	-.124374	-.103203	-.082735	-.222607
3.89	-.188374	-.166005	-.143807	-.122041	-.100879	-.080438	-.223354
3.90	-.186136	-.163710	-.141481	-.119707	-.098556	-.078145	-.224078
3.91	-.183892	-.161410	-.139152	-.117372	-.096235	-.075854	-.224778
3.92	-.181641	-.159106	-.136821	-.115036	-.093914	-.073566	-.225456
3.93	-.179383	-.156797	-.134487	-.112700	-.091595	-.071281	-.226111
3.94	-.177119	-.154484	-.132152	-.110364	-.089278	-.069000	-.226742
3.95	-.174848	-.152167	-.129814	-.108027	-.086962	-.066723	-.227351
3.96	-.172572	-.149847	-.127475	-.105692	-.084649	-.064449	-.227937
3.97	-.170290	-.147522	-.125134	-.103356	-.082338	-.062180	-.228500
3.98	-.168002	-.145195	-.122792	-.101021	-.080030	-.059914	-.229040
3.99	-.165709	-.142864	-.120449	-.098688	-.077724	-.057653	-.229558
4.00	-.163411	-.140531	-.118105	-.096355	-.075421	-.055396	-.230053

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	0.0	0.1	0.2	0.3	0.4	0.5	$T(y)$
4.00	-.163411	-.140531	-.118105	-.096355	-.075421	-.055396	-.230053
4.01	-.161108	-.138194	-.115761	-.094023	-.073121	-.053145	-.230526
4.02	-.158800	-.135856	-.113416	-.091693	-.070825	-.050898	-.230976
4.03	-.156489	-.133515	-.111071	-.089365	-.068532	-.048656	-.231404
4.04	-.154172	-.131172	-.108725	-.087039	-.066242	-.046420	-.231809
4.05	-.151852	-.128827	-.106381	-.084715	-.063957	-.044189	-.232192
4.06	-.149529	-.126481	-.104036	-.082393	-.061675	-.041963	-.232553
4.07	-.147201	-.124134	-.101692	-.080073	-.059398	-.039744	-.232891
4.08	-.144871	-.121785	-.099349	-.077756	-.057125	-.037530	-.233208
4.09	-.142537	-.119435	-.097007	-.075442	-.054856	-.035323	-.233503
4.10	-.140201	-.117085	-.094667	-.073132	-.052593	-.033122	-.233775
4.11	-.137862	-.114734	-.092328	-.070824	-.050334	-.030928	-.234026
4.12	-.135521	-.112383	-.089990	-.068520	-.048081	-.028740	-.234255
4.13	-.133177	-.110031	-.087654	-.066219	-.045833	-.026559	-.234462
4.14	-.130831	-.107680	-.085321	-.063923	-.043590	-.024385	-.234648
4.15	-.128484	-.105329	-.082989	-.061630	-.041353	-.022218	-.234812
4.16	-.126135	-.102979	-.080660	-.059342	-.039122	-.020059	-.234954
4.17	-.123785	-.100630	-.078334	-.057058	-.036897	-.017907	-.235075
4.18	-.121434	-.098281	-.076010	-.054779	-.034679	-.015763	-.235175
4.19	-.119082	-.095934	-.073690	-.052504	-.032466	-.013627	-.235253
4.20	-.116729	-.093587	-.071373	-.050235	-.030260	-.011499	-.235311
4.21	-.114375	-.091243	-.069059	-.047970	-.028061	-.009379	-.235347
4.22	-.112022	-.088900	-.066749	-.045711	-.025869	-.007268	-.235362
4.23	-.109668	-.086559	-.064443	-.043458	-.023684	-.005164	-.235356
4.24	-.107315	-.084221	-.062140	-.041210	-.021506	-.003070	-.235330
4.25	-.104962	-.081884	-.059842	-.038968	-.019336	-.000984	-.235283
4.26	-.102609	-.079551	-.057548	-.036732	-.017173	.001092	-.235215
4.27	-.100258	-.077220	-.055259	-.034502	-.015017	.003160	-.235126
4.28	-.097907	-.074892	-.052975	-.032279	-.012870	.005218	-.235017
4.29	-.095557	-.072567	-.050695	-.030062	-.010731	.007267	-.234888
4.30	-.093209	-.070245	-.048421	-.027852	-.008600	.009307	-.234738
4.31	-.090863	-.067927	-.046152	-.025649	-.006477	.011336	-.234569
4.32	-.088518	-.065613	-.043888	-.023453	-.004363	.013356	-.234379
4.33	-.086175	-.063302	-.041630	-.021264	-.002258	.015366	-.234169
4.34	-.083834	-.060996	-.039378	-.019083	-.000161	.017366	-.233939
4.35	-.081496	-.058694	-.037132	-.016909	.001926	.019355	-.233689
4.36	-.079161	-.056397	-.034892	-.014743	.004004	.021334	-.233420
4.37	-.076828	-.054104	-.032658	-.012585	.006073	.023303	-.233131
4.38	-.074498	-.051816	-.030431	-.010435	.008133	.025260	-.232823
4.39	-.072172	-.049533	-.028211	-.008293	.010183	.027207	-.232495
4.40	-.069848	-.047255	-.025998	-.006160	.012223	.029143	-.232148
4.41	-.067529	-.044983	-.023791	-.004035	.014254	.031068	-.231782
4.42	-.065213	-.042716	-.021592	-.001919	.016274	.032982	-.231396
4.43	-.062901	-.040455	-.019400	.000189	.018284	.034884	-.230992
4.44	-.060593	-.038200	-.017216	.002287	.020284	.036775	-.230568
4.45	-.058290	-.035951	-.015040	.004376	.022273	.038654	-.230126
4.46	-.055991	-.033708	-.012871	.006456	.024252	.040521	-.229666
4.47	-.053696	-.031472	-.010711	.008526	.026220	.042377	-.229187
4.48	-.051407	-.029242	-.008558	.010587	.028177	.044221	-.228689
4.49	-.049123	-.027019	-.006414	.012637	.030123	.046052	-.228173
4.50	-.046844	-.024804	-.004279	.014678	.032058	.047871	-.227639

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	0.0	0.1	0.2	0.3	0.4	0.5	$T(y)$
4.50	-.046844	-.024804	-.004279	.014678	.032058	.047871	-.227639
4.51	-.044570	-.022595	-.002152	.016709	.033982	.049678	-.227086
4.52	-.042302	-.020394	-.000034	.018730	.035894	.051473	-.226516
4.53	-.040040	-.018200	.002075	.020740	.037795	.053255	-.225928
4.54	-.037783	-.016013	.004174	.022740	.039684	.055024	-.225322
4.55	-.035533	-.013835	.006265	.024730	.041561	.056780	-.224698
4.56	-.033289	-.011665	.008346	.026708	.043426	.058524	-.224057
4.57	-.031052	-.009502	.010417	.028676	.045280	.060255	-.223399
4.58	-.028822	-.007348	.012479	.030632	.047121	.061972	-.222723
4.59	-.026598	-.005203	.014530	.032577	.048950	.063676	-.222030
4.60	-.024381	-.003066	.016572	.034512	.050766	.065367	-.221320
4.61	-.022171	-.000938	.018603	.036434	.052570	.067044	-.220593
4.62	-.019969	.001181	.020624	.038345	.054362	.068708	-.219849
4.63	-.017774	.003291	.022635	.040245	.056140	.070359	-.219089
4.64	-.015587	.005392	.024635	.042132	.057906	.071995	-.218312
4.65	-.013408	.007483	.026624	.044008	.059659	.073618	-.217519
4.66	-.011237	.009565	.028603	.045871	.061399	.075227	-.216709
4.67	-.009074	.011638	.030570	.047723	.063125	.076821	-.215883
4.68	-.006920	.013700	.032526	.049562	.064838	.078402	-.215042
4.69	-.004773	.015752	.034471	.051388	.066538	.079968	-.214184
4.70	-.002636	.017794	.036405	.053202	.068225	.081520	-.213310
4.71	-.000507	.019826	.038326	.055004	.069897	.083058	-.212421
4.72	.001612	.021848	.040237	.056792	.071556	.084581	-.211517
4.73	.003723	.023859	.042135	.058568	.073202	.086090	-.210597
4.74	.005824	.025859	.044021	.060331	.074833	.087584	-.209661
4.75	.007916	.027849	.045896	.062080	.076450	.089064	-.208711
4.76	.009999	.029827	.047758	.063817	.078053	.090528	-.207745
4.77	.012071	.031794	.049608	.065540	.079643	.091978	-.206765
4.78	.014134	.033750	.051445	.067249	.081217	.093413	-.205770
4.79	.016186	.035695	.053270	.068946	.082778	.094832	-.204761
4.80	.018229	.037628	.055082	.070628	.084324	.096237	-.203737
4.81	.020261	.039550	.056882	.072297	.085855	.097626	-.202698
4.82	.022283	.041459	.058668	.073951	.087372	.099000	-.201646
4.83	.024294	.043357	.060442	.075592	.088874	.100359	-.200579
4.84	.026294	.045243	.062202	.077219	.090361	.101703	-.199499
4.85	.028284	.047117	.063950	.078832	.091834	.103031	-.198405
4.86	.030262	.048978	.065683	.080430	.093291	.104343	-.197297
4.87	.032230	.050827	.067404	.082015	.094734	.105640	-.196176
4.88	.034186	.052664	.069111	.083584	.096161	.106922	-.195041
4.89	.036131	.054488	.070804	.085140	.097573	.108187	-.193893
4.90	.038064	.056299	.072483	.086680	.098970	.109437	-.192732
4.91	.039985	.058097	.074149	.088206	.100352	.110671	-.191559
4.92	.041895	.059882	.075800	.089718	.101718	.111889	-.190372
4.93	.043793	.061655	.077438	.091214	.103069	.113092	-.189173
4.94	.045678	.063414	.079061	.092695	.104404	.114278	-.187962
4.95	.047552	.065159	.080671	.094162	.105724	.115448	-.186738
4.96	.049413	.066892	.082265	.095613	.107028	.116602	-.185502
4.97	.051262	.068610	.083846	.097049	.108316	.117740	-.184253
4.98	.053098	.070315	.085412	.098470	.109588	.118862	-.182993
4.99	.054922	.072007	.086963	.099876	.110845	.119968	-.181722
5.00	.056732	.073684	.088499	.101266	.112086	.121057	-.180438

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	0.5	0.6	0.7	0.8	0.9	1.0	$T(y)$
3.00	-.269942	-.253856	-.237035	-.219625	-.201744	-.183490	-.062959
3.01	-.268274	-.252059	-.235128	-.217627	-.199674	-.181365	-.065827
3.02	-.266589	-.250246	-.233208	-.215619	-.197595	-.179232	-.068671
3.03	-.264887	-.248418	-.231274	-.213599	-.195506	-.177093	-.071491
3.04	-.263167	-.246576	-.229328	-.211568	-.193409	-.174947	-.074287
3.05	-.261431	-.244718	-.227370	-.209527	-.191304	-.172795	-.077059
3.06	-.259678	-.242847	-.225399	-.207476	-.189190	-.170636	-.079807
3.07	-.257910	-.240961	-.223416	-.205414	-.187068	-.168472	-.082530
3.08	-.256125	-.239061	-.221421	-.203343	-.184939	-.166302	-.085229
3.09	-.254324	-.237148	-.219415	-.201263	-.182802	-.164126	-.087904
3.10	-.252508	-.235221	-.217397	-.199173	-.180658	-.161946	-.090555
3.11	-.250676	-.233281	-.215368	-.197074	-.178507	-.159760	-.093182
3.12	-.248830	-.231328	-.213329	-.194967	-.176350	-.157570	-.095784
3.13	-.246968	-.229362	-.211279	-.192850	-.174185	-.155375	-.098363
3.14	-.245092	-.227384	-.209218	-.190726	-.172015	-.153176	-.100917
3.15	-.243202	-.225394	-.207147	-.188593	-.169838	-.150972	-.103446
3.16	-.241298	-.223392	-.205067	-.186453	-.167656	-.148765	-.105952
3.17	-.239380	-.221378	-.202977	-.184305	-.165468	-.146555	-.108433
3.18	-.237449	-.219352	-.200877	-.182150	-.163275	-.144341	-.110890
3.19	-.235504	-.217316	-.198768	-.179988	-.161077	-.142124	-.113323
3.20	-.233546	-.215268	-.196651	-.177818	-.158873	-.139904	-.115731
3.21	-.231575	-.213210	-.194525	-.175642	-.156666	-.137681	-.118116
3.22	-.229592	-.211142	-.192390	-.173460	-.154453	-.135456	-.120476
3.23	-.227597	-.209063	-.190247	-.171272	-.152237	-.133229	-.122811
3.24	-.225589	-.206974	-.188096	-.169077	-.150017	-.130999	-.125123
3.25	-.223569	-.204875	-.185938	-.166877	-.147792	-.128768	-.127410
3.26	-.221538	-.202767	-.183772	-.164672	-.145565	-.126535	-.129672
3.27	-.219496	-.200649	-.181599	-.162461	-.143334	-.124301	-.131911
3.28	-.217442	-.198523	-.179418	-.160245	-.141100	-.122066	-.134125
3.29	-.215378	-.196388	-.177231	-.158025	-.138863	-.119829	-.136314
3.30	-.213303	-.194244	-.175038	-.155800	-.136624	-.117592	-.138479
3.31	-.211218	-.192092	-.172838	-.153570	-.134382	-.115355	-.140620
3.32	-.209122	-.189932	-.170632	-.151337	-.132138	-.113117	-.142737
3.33	-.207017	-.187763	-.168421	-.149099	-.129892	-.110879	-.144829
3.34	-.204902	-.185588	-.166203	-.146858	-.127644	-.108641	-.146897
3.35	-.202777	-.183405	-.163981	-.144614	-.125395	-.106404	-.148940
3.36	-.200643	-.181215	-.161753	-.142366	-.123144	-.104167	-.150959
3.37	-.198501	-.179018	-.159520	-.140115	-.120893	-.101931	-.152954
3.38	-.196349	-.176814	-.157283	-.137862	-.118640	-.099695	-.154925
3.39	-.194190	-.174604	-.155041	-.135606	-.116387	-.097461	-.156871
3.40	-.192021	-.172387	-.152795	-.133348	-.114133	-.095228	-.158792
3.41	-.189845	-.170165	-.150545	-.131088	-.111880	-.092997	-.160689
3.42	-.187662	-.167937	-.148291	-.128825	-.109626	-.090768	-.162562
3.43	-.185470	-.165703	-.146033	-.126562	-.107372	-.088540	-.164411
3.44	-.183271	-.163464	-.143773	-.124296	-.105119	-.086315	-.166235
3.45	-.181066	-.161220	-.141509	-.122030	-.102866	-.084092	-.168035
3.46	-.178853	-.158971	-.139242	-.119762	-.100614	-.081871	-.169810
3.47	-.176634	-.156718	-.136972	-.117494	-.098363	-.079653	-.171562
3.48	-.174408	-.154460	-.134701	-.115225	-.096113	-.077438	-.173289
3.49	-.172177	-.152198	-.132426	-.112956	-.093865	-.075226	-.174991
3.50	-.169939	-.149932	-.130150	-.110686	-.091618	-.073018	-.176669

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	0.5	0.6	0.7	0.8	0.9	1.0	$T(y)$
3.50	-.169939	-.149932	-.130150	-.110686	-.091618	-.073018	-.176669
3.51	-.167696	-.147663	-.127872	-.108417	-.089373	-.070813	-.178323
3.52	-.165447	-.145390	-.125593	-.106148	-.087131	-.068612	-.179953
3.53	-.163193	-.143113	-.123312	-.103879	-.084890	-.066414	-.181558
3.54	-.160934	-.140834	-.121030	-.101611	-.082652	-.064221	-.183139
3.55	-.158671	-.138552	-.118747	-.099344	-.080416	-.062032	-.184696
3.56	-.156402	-.136267	-.116463	-.097077	-.078183	-.059847	-.186229
3.57	-.154130	-.133980	-.114179	-.094813	-.075953	-.057667	-.187737
3.58	-.151853	-.131691	-.111895	-.092549	-.073726	-.055492	-.189221
3.59	-.149573	-.129399	-.109610	-.090288	-.071503	-.053322	-.190681
3.60	-.147289	-.127106	-.107325	-.088028	-.069283	-.051156	-.192117
3.61	-.145001	-.124812	-.105041	-.085770	-.067067	-.048997	-.193528
3.62	-.142710	-.122516	-.102758	-.083515	-.064855	-.046842	-.194916
3.63	-.140416	-.120219	-.100475	-.081262	-.062647	-.044694	-.196279
3.64	-.138120	-.117922	-.098193	-.079011	-.060443	-.042551	-.197618
3.65	-.135821	-.115623	-.095912	-.076764	-.058244	-.040414	-.198934
3.66	-.133520	-.113324	-.093633	-.074519	-.056049	-.038283	-.200225
3.67	-.131216	-.111025	-.091355	-.072278	-.053860	-.036159	-.201492
3.68	-.128911	-.108726	-.089079	-.070040	-.051675	-.034042	-.202735
3.69	-.126604	-.106427	-.086804	-.067806	-.049496	-.031931	-.203954
3.70	-.124295	-.104129	-.084532	-.065576	-.047321	-.029826	-.205149
3.71	-.121986	-.101831	-.082263	-.063350	-.045153	-.027729	-.206321
3.72	-.119675	-.099534	-.079995	-.061128	-.042990	-.025639	-.207468
3.73	-.117363	-.097238	-.077731	-.058910	-.040833	-.023557	-.208592
3.74	-.115051	-.094943	-.075469	-.056697	-.038683	-.021482	-.209691
3.75	-.112739	-.092650	-.073211	-.054488	-.036538	-.019414	-.210767
3.76	-.110426	-.090358	-.070956	-.052285	-.034400	-.017355	-.211819
3.77	-.108113	-.088068	-.068705	-.050086	-.032268	-.015303	-.212848
3.78	-.105801	-.085780	-.066457	-.047893	-.030144	-.013260	-.213853
3.79	-.103489	-.083494	-.064213	-.045706	-.028026	-.011225	-.214834
3.80	-.101178	-.081211	-.061973	-.043524	-.025915	-.009198	-.215791
3.81	-.098867	-.078930	-.059737	-.041347	-.023812	-.007180	-.216725
3.82	-.096558	-.076652	-.057506	-.039177	-.021716	-.005170	-.217636
3.83	-.094249	-.074377	-.055279	-.037013	-.019627	-.003170	-.218523
3.84	-.091943	-.072105	-.053058	-.034855	-.017546	-.001179	-.219386
3.85	-.089638	-.069837	-.050841	-.032704	-.015474	.000804	-.220226
3.86	-.087335	-.067572	-.048629	-.030559	-.013409	.002777	-.221043
3.87	-.085034	-.065311	-.046423	-.028422	-.011352	.004740	-.221837
3.88	-.082735	-.063054	-.044222	-.026291	-.009304	.006694	-.222607
3.89	-.080438	-.060801	-.042027	-.024167	-.007264	.008638	-.223354
3.90	-.078145	-.058552	-.039838	-.022051	-.005233	.010572	-.224078
3.91	-.075854	-.056308	-.037655	-.019942	-.003211	.012497	-.224778
3.92	-.073566	-.054069	-.035478	-.017841	-.001198	.014411	-.225456
3.93	-.071281	-.051834	-.033308	-.015748	.000806	.016314	-.226111
3.94	-.069000	-.049604	-.031144	-.013663	.002801	.018208	-.226742
3.95	-.066723	-.047380	-.028987	-.011585	.004787	.020091	-.227351
3.96	-.064449	-.045161	-.026837	-.009516	.006763	.021963	-.227937
3.97	-.062180	-.042948	-.024694	-.007456	.008729	.023824	-.228500
2.98	-.059914	-.040741	-.022558	-.005404	.010685	.025674	-.229040
3.99	-.057653	-.038539	-.020429	-.003361	.012632	.027514	-.229558
4.00	-.055396	-.036344	-.018308	-.001327	.014568	.029342	-.230053

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	0.5	0.6	0.7	0.8	0.9	1.0	$T(y)$
4.00	-.055396	-.036344	-.018308	-.001327	.014568	.029342	-.230053
4.01	-.053145	-.034155	-.016195	.000699	.016494	.031159	-.230526
4.02	-.050898	-.031972	-.014090	.002715	.018410	.032964	-.230976
4.03	-.048656	-.029796	-.011993	.004721	.020315	.034758	-.231404
4.04	-.046420	-.027627	-.009904	.006718	.022210	.036540	-.231809
4.05	-.044189	-.025465	-.007823	.008706	.024094	.038311	-.232192
4.06	-.041963	-.023310	-.005751	.010684	.025967	.040069	-.232553
4.07	-.039744	-.021162	-.003687	.012652	.027829	.041816	-.232891
4.08	-.037530	-.019021	-.001633	.014610	.029680	.043550	-.233208
4.09	-.035323	-.016889	.000413	.016557	.031519	.045272	-.233503
4.10	-.033122	-.014764	.002450	.018495	.033347	.046982	-.233775
4.11	-.030928	-.012647	.004477	.020421	.035164	.048680	-.234026
4.12	-.028740	-.010538	.006495	.022338	.036969	.050365	-.234255
4.13	-.026559	-.008438	.008503	.024243	.038762	.052037	-.234462
4.14	-.024385	-.006346	.010502	.026138	.040544	.053696	-.234648
4.15	-.022218	-.004262	.012490	.028022	.042313	.055343	-.234812
4.16	-.020059	-.002188	.014469	.029894	.044070	.056977	-.234954
4.17	-.017907	-.000122	.016438	.031756	.045816	.058597	-.235075
4.18	-.015763	.001935	.018396	.033606	.047548	.060205	-.235175
4.19	-.013627	.003982	.020344	.035444	.049269	.061799	-.235253
4.20	-.011499	.006021	.022282	.037271	.050976	.063380	-.235311
4.21	-.009379	.008049	.024208	.039087	.052672	.064948	-.235347
4.22	-.007268	.010068	.026124	.040890	.054354	.066502	-.235362
4.23	-.005164	.012078	.028029	.042681	.055602	.068042	-.235356
4.24	-.003070	.014077	.029923	.044461	.057680	.069569	-.235330
4.25	-.000984	.016066	.031806	.046228	.059324	.071082	-.235283
4.26	.001092	.018045	.033677	.047983	.060954	.072581	-.235215
4.27	.003160	.020014	.035537	.049725	.062571	.074066	-.235126
4.28	.005218	.021972	.037385	.051455	.064175	.075537	-.235017
4.29	.007267	.023920	.039222	.053172	.065766	.076994	-.234883
4.30	.009307	.025857	.041047	.054877	.067342	.078437	-.234738
4.31	.011336	.027783	.042860	.056568	.068906	.079866	-.234569
4.32	.013356	.029698	.044661	.058247	.070455	.081280	-.234379
4.33	.015366	.031601	.046449	.059913	.071991	.082680	-.234169
4.34	.017366	.033494	.048226	.061565	.073513	.084065	-.233939
4.35	.019355	.035375	.049990	.063204	.075021	.085436	-.233689
4.36	.021334	.037245	.051741	.064830	.076514	.086792	-.233420
4.37	.023303	.039102	.053480	.066442	.077994	.088134	-.233131
4.38	.025260	.040949	.055206	.068041	.079459	.089460	-.232823
4.39	.027207	.042783	.056919	.069627	.080911	.090772	-.232495
4.40	.029143	.044605	.058620	.071198	.082347	.092070	-.232148
4.41	.031068	.046415	.060307	.072756	.083770	.093352	-.231782
4.42	.032982	.048213	.061981	.074299	.085178	.094619	-.231396
4.43	.034884	.049998	.063642	.075829	.086571	.095871	-.230992
4.44	.036775	.051771	.065289	.077345	.087949	.097108	-.230568
4.45	.038654	.053531	.066923	.078846	.089313	.098330	-.230126
4.46	.040521	.055279	.068544	.080334	.090662	.099537	-.229666
4.47	.042377	.057014	.070151	.081807	.091996	.100728	-.229187
4.48	.044221	.058736	.071744	.083265	.093315	.101904	-.228689
4.49	.046052	.060444	.073323	.084709	.094620	.103065	-.228173
4.50	.047871	.062140	.074888	.086138	.095909	.104210	-.227639

Table of $R(y, \varphi)$ and $T(y)$

$y \varphi$	0.5	0.6	0.7	0.8	0.9	1.0	$T(y)$
4.50	.047871	.062140	.074888	.086138	.095909	.104210	-.227639
4.51	.049678	.063822	.076439	.087553	.097183	.105340	-.227086
4.52	.051473	.065491	.077977	.088953	.098441	.106454	-.226516
4.53	.053255	.067147	.079500	.090339	.099685	.107553	-.225928
4.54	.055024	.068789	.081008	.091709	.100913	.108636	-.225322
4.55	.056780	.070417	.082503	.093065	.102126	.109704	-.224699
4.56	.058524	.072032	.083982	.094405	.103324	.110756	-.224057
4.57	.060255	.073633	.085448	.095731	.104506	.111792	-.223399
4.58	.061972	.075220	.086899	.097041	.105672	.112812	-.222723
4.59	.063676	.076792	.088335	.098336	.106823	.113817	-.222030
4.60	.065367	.078351	.089756	.099616	.107959	.114806	-.221320
4.61	.067044	.079896	.091162	.100881	.109079	.115779	-.220593
4.62	.068708	.081426	.092554	.102130	.110183	.116736	-.219849
4.63	.070359	.082942	.093931	.103364	.111271	.117677	-.219089
4.64	.071995	.084443	.095292	.104582	.112344	.118603	-.218312
4.65	.073618	.085930	.096639	.105785	.113401	.119512	-.217519
4.66	.075227	.087402	.097970	.106972	.114441	.120406	-.216709
4.67	.076821	.088859	.099286	.108143	.115467	.121283	-.215883
4.68	.078402	.090302	.100587	.109299	.116476	.122145	-.215042
4.69	.079968	.091730	.101872	.110439	.117469	.122990	-.214184
4.70	.081520	.093143	.103142	.111564	.118446	.123819	-.213310
4.71	.083058	.094541	.104397	.112672	.119407	.124633	-.212421
4.72	.084581	.095923	.105635	.113765	.120352	.125430	-.211517
4.73	.086090	.097291	.106859	.114842	.121282	.126211	-.210597
4.74	.087584	.098644	.108066	.115903	.122195	.126976	-.209661
4.75	.089064	.099981	.109258	.116948	.123091	.127725	+.208711
4.76	.090528	.101302	.110435	.117976	.123972	.128458	-.207745
4.77	.091978	.102609	.111595	.118989	.124837	.129175	+.206765
4.78	.093413	.103900	.112739	.119986	.125685	.129876	-.205770
4.79	.094832	.105175	.113868	.120966	.126518	.130550	-.204761
4.80	.096237	.106435	.114981	.121931	.127334	.131229	-.203737
4.81	.097626	.107680	.116077	.122879	.128133	.131881	-.202698
4.82	.099000	.108907	.117158	.123811	.128917	.132517	-.201646
4.83	.100357	.110120	.118223	.124727	.129684	.133137	-.200579
4.84	.101703	.111317	.119271	.125627	.130435	.133741	-.199499
4.85	.103031	.112498	.120303	.126510	.131170	.134329	-.198405
4.86	.104343	.113663	.121320	.127377	.131889	.134900	-.197297
4.87	.105640	.114812	.122319	.128227	.132591	.135456	-.196176
4.88	.106922	.115945	.123303	.129062	.133277	.135995	-.195041
4.89	.108187	.117062	.124271	.129880	.133946	.136518	-.193893
4.90	.109437	.118163	.125222	.130681	.134600	.137026	-.192732
4.91	.110671	.119247	.126156	.131467	.135237	.137517	-.191559
4.92	.111889	.120316	.127075	.132235	.135857	.137992	-.190372
4.93	.113092	.121368	.127977	.132988	.136462	.138451	-.189173
4.94	.114278	.122404	.128862	.133724	.137050	.138894	-.187962
4.95	.115448	.123424	.129731	.134443	.137622	.139321	-.186738
4.96	.116602	.124427	.130584	.135146	.138178	.139732	-.185502
4.97	.117740	.125414	.131420	.135833	.138717	.140127	-.184253
4.98	.118862	.126385	.132240	.136503	.139240	.140506	-.182993
4.99	.119968	.127339	.133043	.137157	.139747	.140870	-.181722
5.00	.121057	.128277	.133830	.137794	.140237	.141217	-.180438

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	1.0	1.1	1.2	1.3	1.4	$\pi/2$	$T(y)$
3.00	-.183490	-.164947	-.146192	-.127302	-.108360	-.076159	-.062959
3.01	-.181365	-.162783	-.144008	-.125117	-.106191	-.074060	-.065827
3.02	-.179232	-.160615	-.141822	-.122930	-.104022	-.071965	-.068671
3.03	-.177093	-.158443	-.139633	-.120743	-.101854	-.069875	-.071491
3.04	-.174947	-.156265	-.137442	-.118555	-.099683	-.067789	-.074287
3.05	-.172795	-.154083	-.135248	-.116366	-.097523	-.065708	-.077059
3.06	-.170636	-.151897	-.133052	-.114178	-.095360	-.063632	-.079807
3.07	-.168472	-.149708	-.130854	-.111990	-.093199	-.061561	-.082530
3.08	-.166302	-.147514	-.128654	-.109801	-.091040	-.059496	-.085229
3.09	-.164126	-.145317	-.126453	-.107614	-.088884	-.057435	-.087904
3.10	-.161946	-.143117	-.124251	-.105427	-.086730	-.055381	-.090555
3.11	-.159760	-.140914	-.122048	-.103241	-.084579	-.053332	-.093182
3.12	-.157570	-.138708	-.119844	-.101056	-.082430	-.051289	-.095784
3.13	-.155375	-.136500	-.117639	-.098872	-.080285	-.049252	-.098363
3.14	-.153176	-.134289	-.115434	-.096690	-.078144	-.047221	-.100917
3.15	-.150972	-.132077	-.113229	-.094509	-.076005	-.045197	-.103446
3.16	-.148765	-.129862	-.111024	-.092331	-.073871	-.043179	-.105952
3.17	-.146555	-.127646	-.108819	-.090154	-.071740	-.041169	-.108433
3.18	-.144341	-.125428	-.106615	-.087980	-.069614	-.039165	-.110890
3.19	-.142124	-.123209	-.104411	-.085809	-.067491	-.037168	-.113323
3.20	-.139904	-.120990	-.102208	-.083640	-.065374	-.035178	-.115731
3.21	-.137681	-.118769	-.100006	-.081474	-.063260	-.033196	-.118116
3.22	-.135456	-.116548	-.097806	-.079311	-.061152	-.031221	-.120476
3.23	-.133229	-.114326	-.095607	-.077151	-.059048	-.029254	-.122811
3.24	-.130999	-.112105	-.093409	-.074995	-.056950	-.027294	-.125123
3.25	-.128768	-.109883	-.091214	-.072842	-.054857	-.025343	-.127410
3.26	-.126535	-.107662	-.089020	-.070693	-.052770	-.023400	-.129672
3.27	-.124301	-.105441	-.086829	-.068548	-.050688	-.021465	-.131911
3.28	-.122066	-.103221	-.084641	-.066408	-.048612	-.019538	-.134125
3.29	-.119829	-.101001	-.082455	-.064272	-.046542	-.017620	-.136314
3.30	-.117592	-.098783	-.080272	-.062140	-.044478	-.015711	-.138479
3.31	-.115355	-.096566	-.078092	-.060013	-.042420	-.013810	-.140620
3.32	-.113117	-.094351	-.075915	-.057891	-.040369	-.011918	-.142737
3.33	-.110879	-.092137	-.073742	-.055774	-.038325	-.010036	-.144829
3.34	-.108641	-.089925	-.071572	-.053662	-.036288	-.008163	-.146897
3.35	-.106404	-.087716	-.069406	-.051556	-.034257	-.006299	-.148940
3.36	-.104167	-.085508	-.067244	-.049456	-.032234	-.004444	-.150959
3.37	-.101931	-.083304	-.065087	-.047361	-.030218	-.002599	-.152954
3.38	-.099695	-.081101	-.062933	-.045272	-.028209	-.000764	-.154925
3.39	-.097461	-.078902	-.060785	-.043189	-.026208	.001061	-.156871
3.40	-.095228	-.076706	-.058641	-.041113	-.024215	.002876	-.158792
3.41	-.092997	-.074513	-.056501	-.039043	-.022229	.004681	-.160689
3.42	-.090768	-.072323	-.054367	-.036980	-.020252	.006476	-.162562
3.43	-.088540	-.070138	-.052239	-.034923	-.018283	.008261	-.164411
3.44	-.086315	-.067956	-.050115	-.032874	-.016322	.010035	-.166235
3.45	-.084092	-.065778	-.047997	-.030831	-.014370	.011799	-.168035
3.46	-.081871	-.063604	-.045886	-.028796	-.012426	.013552	-.169810
3.47	-.079653	-.061434	-.043779	-.026768	-.010492	.015294	-.171562
3.48	-.077438	-.059270	-.041680	-.024748	-.008566	.017025	-.173289
3.49	-.075226	-.057109	-.039586	-.022736	-.006649	.018745	-.174991
3.50	-.073018	-.054954	-.037499	-.020731	-.004741	.020454	-.176669

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	1.0	1.1	1.2	1.3	1.4	$\pi/2$	$T(y)$
3.50	-.073018	-.054954	-.037499	-.020731	-.004741	.020454	-.176669
3.51	-.070813	-.052804	-.035418	-.018734	-.002843	.022151	-.178323
3.52	-.068612	-.050659	-.033345	-.016746	-.000954	.023838	-.179953
3.53	-.066414	-.048520	-.031278	-.014766	.000925	.025513	-.181558
3.54	-.064221	-.046386	-.029218	-.012795	.002794	.027176	-.183139
3.55	-.062032	-.044258	-.027166	-.010832	.004654	.028828	-.184696
3.56	-.059847	-.042136	-.025121	-.008877	.006504	.030467	-.186229
3.57	-.057667	-.040021	-.023083	-.006932	.008343	.032096	-.187737
3.58	-.055492	-.037911	-.021054	-.004996	.010172	.033712	-.189221
3.59	-.053322	-.035808	-.019032	-.003069	.011991	.035316	-.190681
3.60	-.051156	-.033712	-.017018	-.001151	.013799	.036908	-.192117
3.61	-.048997	-.031622	-.015012	.000757	.015597	.038487	-.193528
3.62	-.046842	-.029540	-.013015	.002655	.017384	.040055	-.194916
3.63	-.044694	-.027464	-.011027	.004544	.019160	.041610	-.196279
3.64	-.042551	-.025396	-.009047	.006423	.020926	.043152	-.197618
3.65	-.040414	-.023336	-.007075	.008292	.022680	.044682	-.198934
3.66	-.038283	-.021283	-.005113	.010151	.024423	.046200	-.200225
3.67	-.036159	-.019237	-.003160	.012000	.026154	.047704	-.201492
3.68	-.034042	-.017200	-.001216	.013838	.027875	.049195	-.202735
3.69	-.031931	-.015171	.000719	.015666	.029583	.050674	-.203954
3.70	-.029826	-.013150	.002644	.017483	.031280	.052140	-.205149
3.71	-.027729	-.011137	.004560	.019289	.032966	.053592	-.206321
3.72	-.025639	-.009133	.006466	.021085	.034639	.055032	-.207468
3.73	-.023557	-.007138	.008362	.022869	.036301	.056458	-.208592
3.74	-.021482	-.005151	.010248	.024642	.037950	.057871	-.209691
3.75	-.019414	-.003173	.012123	.026405	.039587	.059271	-.210767
3.76	-.017355	-.001205	.013989	.028155	.041213	.060657	-.211819
3.77	-.015303	.000754	.015844	.029895	.042825	.062030	-.212848
3.78	-.013260	.002704	.017688	.031623	.044426	.063389	-.213853
3.79	-.011225	.004645	.019522	.033339	.046014	.064735	-.214834
3.80	-.009198	.006575	.021345	.035043	.047589	.066067	-.215791
3.81	-.007180	.008496	.023157	.036736	.049151	.067385	-.216725
3.82	-.005170	.010407	.024958	.038416	.050701	.068690	-.217636
3.83	-.003170	.012308	.026748	.040084	.052238	.069980	-.218523
3.84	-.001179	.014198	.028527	.041741	.053762	.071257	-.219386
3.85	.000804	.016078	.030294	.043385	.055272	.072520	-.220226
3.86	.002777	.017948	.032050	.045016	.056770	.073769	-.221043
3.87	.004740	.019807	.033794	.046635	.058254	.075003	-.221837
3.88	.006694	.021656	.035526	.048242	.059726	.076224	-.222607
3.89	.008638	.023493	.037247	.049835	.061183	.077430	-.223354
3.90	.010572	.025320	.038955	.051416	.062628	.078622	-.224078
3.91	.012497	.027135	.040652	.052984	.064058	.079800	-.224778
3.92	.014411	.028939	.042336	.054540	.065476	.080964	-.225456
3.93	.016314	.030732	.044008	.056082	.066879	.082113	-.226111
3.94	.018208	.032514	.045668	.057611	.068269	.083247	-.226742
3.95	.020091	.034283	.047315	.059126	.069645	.084368	-.227351
3.96	.021963	.036042	.048950	.060629	.071007	.085474	-.227937
3.97	.023824	.037788	.050572	.062118	.072355	.086565	-.228500
3.98	.025674	.039522	.052181	.063594	.073689	.087642	-.229040
3.99	.027514	.041245	.053778	.065056	.075009	.088704	-.229558
4.00	.029342	.042955	.055361	.066504	.076315	.089752	-.230053

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	1.0	1.1	1.2	1.3	1.4	$\pi/2$	$T(y)$
4.00	.029342	.042955	.055361	.066504	.076315	.089752	-.230053
4.01	.031159	.044653	.056932	.067939	.077607	.090785	-.230526
4.02	.032964	.046339	.058489	.069360	.078885	.091803	-.230976
4.03	.034758	.048012	.060033	.070767	.080148	.092807	-.231404
4.04	.036540	.049673	.061564	.072160	.081397	.093795	-.231809
4.05	.038311	.051321	.063081	.073540	.082631	.094770	-.232192
4.06	.040069	.052956	.064585	.074905	.083851	.095729	-.232553
4.07	.041816	.054579	.066076	.076256	.085056	.096673	-.232891
4.08	.043550	.056188	.067552	.077593	.086247	.097603	-.233208
4.09	.045272	.057784	.069015	.078915	.087423	.098518	-.233503
4.10	.046982	.059368	.070465	.080224	.088585	.099418	-.233775
4.11	.048680	.060938	.071900	.081518	.089732	.100303	-.234026
4.12	.050365	.062495	.073321	.082797	.090864	.101173	-.234255
4.13	.052037	.064038	.074729	.084062	.091981	.102029	-.234462
4.14	.053696	.065568	.076122	.085313	.093084	.102869	-.234648
4.15	.055343	.067084	.077501	.086549	.094171	.103694	-.234812
4.16	.056977	.068587	.078866	.087770	.095244	.104505	-.234954
4.17	.058597	.070076	.080217	.088977	.096302	.105300	-.235075
4.18	.060205	.071551	.081553	.090169	.097345	.106081	-.235175
4.19	.061799	.073012	.082875	.091346	.098372	.106847	-.235253
4.20	.063380	.074459	.084182	.092508	.099385	.107597	-.235311
4.21	.064948	.075892	.085475	.093655	.100383	.108333	-.235347
4.22	.066502	.077311	.086753	.094787	.101365	.109053	-.235362
4.23	.068042	.078716	.088016	.095905	.102333	.109759	-.235356
4.24	.069569	.080106	.089265	.097007	.103285	.110450	-.235330
4.25	.071082	.081482	.090499	.098094	.104222	.111125	-.235283
4.26	.072581	.082844	.091718	.099166	.105144	.111786	-.235215
4.27	.074066	.084191	.092922	.100224	.106051	.112432	-.235126
4.28	.075537	.085524	.094111	.101265	.106942	.113063	-.235017
4.29	.076994	.086842	.095286	.102292	.107818	.113678	-.234888
4.30	.078437	.088145	.096445	.103303	.108679	.114279	-.234738
4.31	.079866	.089434	.097589	.104300	.109525	.114865	-.234569
4.32	.081280	.090708	.098718	.105280	.110355	.115436	-.234379
4.33	.082680	.091967	.099832	.106246	.111170	.115992	-.234169
4.34	.084065	.093211	.100931	.107196	.111969	.116533	-.233939
4.35	.085436	.094440	.102014	.108131	.112754	.117060	-.233689
4.36	.086792	.095654	.103082	.109050	.113523	.117571	-.233420
4.37	.088134	.096853	.104135	.109954	.114276	.118068	-.233131
4.38	.089460	.098037	.105172	.110843	.115014	.118549	-.232823
4.39	.090772	.099205	.106194	.111716	.115737	.119016	-.232495
4.40	.092070	.100359	.107201	.112573	.116445	.119468	-.232148
4.41	.093352	.101497	.108192	.113415	.117137	.119906	-.231782
4.42	.094619	.102620	.109168	.114242	.117813	.120328	-.231396
4.43	.095871	.103727	.110128	.115053	.118475	.120736	-.230992
4.44	.097108	.104819	.111072	.115848	.119121	.121129	-.230568
4.45	.098330	.105896	.112001	.116628	.119751	.121507	-.230126
4.46	.099537	.106957	.112915	.117393	.120366	.121871	-.229666
4.47	.100728	.108002	.113812	.118142	.120966	.122220	-.229187
4.48	.101904	.109033	.114694	.118875	.121551	.122555	-.228689
4.49	.103065	.110047	.115561	.119592	.122120	.122875	-.228173
4.50	.104210	.111046	.116412	.120295	.122674	.123180	-.227639

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	1.0	1.1	1.2	1.3	1.4	$\pi/2$	$T(y)$
4.50	.104210	.111046	.116412	.120295	.122674	.123180	-.227639
4.51	.105340	.112029	.117247	.120981	.123212	.123471	-.227086
4.52	.106454	.112997	.118066	.121652	.123736	.123748	-.226516
4.53	.107553	.113948	.118870	.122307	.124243	.124010	-.225928
4.54	.108636	.114885	.119658	.122947	.124736	.124258	-.225322
4.55	.109704	.115805	.120430	.123571	.125213	.124491	-.224699
4.56	.110756	.116709	.121186	.124180	.125676	.124710	-.224057
4.57	.111792	.117598	.121927	.124773	.126123	.124915	-.223399
4.58	.112812	.118471	.122652	.125350	.126554	.125105	-.222723
4.59	.113817	.119328	.123361	.125912	.126971	.125282	-.222030
4.60	.114806	.120169	.124055	.126459	.127372	.125444	-.221320
4.61	.115779	.120995	.124732	.126989	.127759	.125592	-.220593
4.62	.116736	.121804	.125394	.127505	.128130	.125726	-.219849
4.63	.117677	.122598	.126040	.128005	.128486	.125847	-.219089
4.64	.118603	.123375	.126670	.128489	.128827	.125953	-.218312
4.65	.119512	.124137	.127285	.128958	.129153	.126045	-.217519
4.66	.120406	.124883	.127883	.129411	.129464	.126123	-.216709
4.67	.121283	.125612	.128466	.129849	.129760	.126188	-.215883
4.68	.122145	.126326	.129034	.130272	.130041	.126239	-.215042
4.69	.122990	.127024	.129585	.130679	.130307	.126276	-.214184
4.70	.123819	.127706	.130121	.131071	.130559	.126300	-.213310
4.71	.124633	.128372	.130641	.131447	.130796	.126310	-.212421
4.72	.125430	.129022	.131145	.131809	.131017	.126306	-.211517
4.73	.126211	.129656	.131634	.132154	.131224	.126289	-.210597
4.74	.126976	.130274	.132106	.132485	.131417	.126259	-.209661
4.75	.127725	.130876	.132564	.132800	.131595	.126215	-.208711
4.76	.128458	.131462	.133005	.133101	.131758	.126158	-.207745
4.77	.129175	.132033	.133431	.133386	.131906	.126088	-.206765
4.78	.129876	.132587	.133842	.133656	.132040	.126004	-.205770
4.79	.130560	.133125	.134236	.133910	.132160	.125908	-.204761
4.80	.131229	.133648	.134616	.134150	.132265	.125798	-.203737
4.81	.131881	.134154	.134979	.134375	.132356	.125676	-.202698
4.82	.132517	.134645	.135327	.134584	.132432	.125540	-.201646
4.83	.133137	.135120	.135660	.134779	.132494	.125392	-.200579
4.84	.133741	.135579	.135977	.134959	.132542	.125231	-.199499
4.85	.134329	.136022	.136279	.135124	.132576	.125057	-.198405
4.86	.134900	.136449	.136566	.135274	.132595	.124871	-.197297
4.87	.135456	.136861	.136837	.135410	.132601	.124672	-.196176
4.88	.135995	.137256	.137093	.135530	.132592	.124461	-.195041
4.89	.136518	.137636	.137333	.135636	.132570	.124237	-.193893
4.90	.137026	.138000	.137558	.135727	.132534	.124001	-.192732
4.91	.137517	.138349	.137768	.135804	.132483	.123752	-.191559
4.92	.137992	.138682	.137963	.135866	.132419	.123492	-.190372
4.93	.138451	.138999	.138143	.135914	.132342	.123219	-.189173
4.94	.138894	.139300	.138307	.135947	.132250	.122934	-.187962
4.95	.139321	.139586	.138457	.135966	.132145	.122637	-.186738
4.96	.139732	.139857	.138591	.135971	.132027	.122329	-.185502
4.97	.140127	.140112	.138711	.135961	.131895	.122008	-.184253
4.98	.140506	.140351	.138816	.135937	.131750	.121676	-.182993
4.99	.140870	.140575	.138905	.135899	.131591	.121332	-.181722
5.00	.141217	.140783	.138980	.135846	.131419	.120977	-.180438

Table of $\mathcal{Q}(y, \varphi)$ and $\mathcal{S}(y)$

$y \backslash \varphi$	0.0	0.1	0.2	0.3	0.4	0.5	$\mathcal{S}(y)$
3.00	3.33929	3.57089	3.81710	4.07772	4.35234	4.64034	2.242790
3.01	3.36181	3.59534	3.84363	4.10650	4.38354	4.67411	2.261307
3.02	3.38452	3.61999	3.87039	4.13553	4.41500	4.70816	2.279976
3.03	3.40741	3.64485	3.89737	4.16479	4.44671	4.74249	2.298799
3.04	3.43049	3.66991	3.92457	4.19430	4.47869	4.77711	2.317778
3.05	3.45377	3.69517	3.95200	4.22405	4.51094	4.81202	2.336912
3.06	3.47723	3.72065	3.97965	4.25405	4.54346	4.84722	2.356205
3.07	3.50089	3.74634	4.00753	4.28430	4.57624	4.88272	2.375658
3.08	3.52475	3.77224	4.03564	4.31480	4.60930	4.91851	2.395271
3.09	3.54880	3.79835	4.06399	4.34555	4.64263	4.95460	2.415046
3.10	3.57305	3.82468	4.09257	4.37655	4.67624	4.99099	2.434985
3.11	3.59750	3.85122	4.12138	4.40782	4.71013	5.02768	2.455088
3.12	3.62215	3.87799	4.15043	4.43934	4.74430	5.06468	2.475358
3.13	3.64701	3.90497	4.17973	4.47112	4.77876	5.10199	2.495796
3.14	3.67207	3.93218	4.20927	4.50317	4.81350	5.13961	2.516404
3.15	3.69734	3.95962	4.23905	4.53548	4.84853	5.17755	2.537182
3.16	3.72281	3.98728	4.26907	4.56806	4.88386	5.21580	2.558133
3.17	3.74850	4.01517	4.29935	4.60092	4.91947	5.25437	2.579257
3.18	3.77440	4.04329	4.32988	4.63404	4.95539	5.29327	2.600557
3.19	3.80051	4.07164	4.36066	4.66744	4.99160	5.33248	2.622034
3.20	3.82684	4.10023	4.39169	4.70111	5.02811	5.37203	2.643690
3.21	3.85338	4.12905	4.42298	4.73507	5.06493	5.41191	2.665525
3.22	3.88015	4.15811	4.45453	4.76931	5.10205	5.45212	2.687543
3.23	3.90714	4.18741	4.48635	4.80383	5.13949	5.49267	2.709743
3.25	3.93435	4.21696	4.51842	4.83864	5.17723	5.53355	2.732129
3.25	3.96178	4.24674	4.55076	4.87374	5.21529	5.57478	2.754790
3.26	3.98944	4.27678	4.58337	4.90913	5.25367	5.61635	2.777461
3.27	4.01733	4.30706	4.61625	4.94481	5.29237	5.65827	2.800411
3.28	4.04545	4.33760	4.64940	4.98079	5.33139	5.70055	2.823553
3.29	4.07380	4.36838	4.68283	5.01707	5.37074	5.74317	2.846887
3.30	4.10239	4.39942	4.71654	5.05365	5.41041	5.78615	2.870416
3.31	4.13121	4.43072	4.75052	5.09053	5.45041	5.82950	2.894142
3.32	4.16027	4.46228	4.78478	5.12773	5.49075	5.87320	2.918067
3.33	4.18957	4.49410	4.81933	5.16523	5.53143	5.91727	2.942191
3.34	4.21912	4.52618	4.85417	5.20304	5.57244	5.96171	2.966512
3.35	4.24890	4.55853	4.88930	5.24117	5.61380	6.00653	2.991046
3.36	4.27894	4.59114	4.92471	5.27961	5.65550	6.05172	3.015782
3.37	4.30922	4.62403	4.96042	5.31838	5.69755	6.09728	3.040724
3.38	4.33975	4.65718	4.99643	5.35746	5.73995	6.14323	3.065875
3.39	4.37054	4.69062	5.03274	5.39688	5.78271	6.18957	3.091237
3.40	4.40158	4.72433	5.06934	5.43662	5.82582	6.23629	3.116812
3.41	4.43287	4.75831	5.10625	5.47669	5.86929	6.28341	3.142601
3.42	4.46443	4.79258	5.14347	5.51709	5.91313	6.33092	3.168606
3.43	4.49625	4.82714	5.18100	5.55783	5.95733	6.37883	3.194830
3.44	4.52833	4.86198	5.21884	5.59892	6.00190	6.42714	3.221274
3.45	4.56067	4.89711	5.25699	5.64034	6.04685	6.47585	3.247941
3.46	4.59329	4.93253	5.29546	5.68211	6.09217	6.52498	3.274831
3.47	4.62617	4.96824	5.33425	5.72423	6.13787	6.57452	3.301948
3.48	4.65933	5.00425	5.37336	5.76669	6.18395	6.62447	3.329293
3.49	4.69276	5.04056	5.41280	5.80952	6.23042	6.67485	3.356867
3.50	4.72646	5.07717	5.45257	5.85269	6.27727	6.72565	3.384674

Table of $Q(y, \rho)$ and $S(y)$

y	0.0	0.1	0.2	0.3	0.4	0.5	$S(y)$
3.50	4.72646	5.07717	5.45257	5.85269	6.27727	6.72565	3.384674
3.51	4.76045	5.11409	5.49266	5.89623	6.32452	6.77687	3.412715
3.52	4.79472	5.15131	5.53309	5.94014	6.37217	6.82853	3.440993
3.53	4.82927	5.18884	5.57386	5.98441	6.42021	6.88062	3.469508
3.54	4.86411	5.22668	5.61496	6.02904	6.46866	6.93314	3.498264
3.55	4.89924	5.26484	5.65641	6.07406	6.51751	6.98611	3.527263
3.56	4.93466	5.30331	5.69820	6.11944	6.56677	7.03953	3.556506
3.57	4.97037	5.34210	5.74034	6.16521	6.61644	7.09339	3.585996
3.58	5.00638	5.38122	5.78284	6.21136	6.66653	7.14771	3.615735
3.59	5.04268	5.42066	5.82568	6.25789	6.71704	7.20248	3.645725
3.60	5.07929	5.46042	5.86888	6.30481	6.76797	7.25772	3.675968
3.61	5.11621	5.50052	5.91245	6.35213	6.81933	7.31342	3.706467
3.62	5.15342	5.54095	5.95637	6.39984	6.87112	7.36959	3.737224
3.63	5.19095	5.58172	6.00066	6.44795	6.92335	7.42623	3.768241
3.64	5.22879	5.62282	6.04532	6.49646	6.97601	7.48335	3.799521
3.65	5.26694	5.66427	6.09036	6.54537	7.02912	7.54096	3.831065
3.66	5.30541	5.70607	6.13576	6.59470	7.08267	7.59904	3.862876
3.67	5.34420	5.74821	6.18155	6.64444	7.13667	7.65762	3.894956
3.68	5.38331	5.79070	6.22772	6.69459	7.19113	7.71669	3.927309
3.69	5.42275	5.83354	6.27427	6.74517	7.24604	7.77626	3.959936
3.70	5.46251	5.87674	6.32122	6.79617	7.30141	7.83633	3.992838
3.71	5.50260	5.92030	6.36855	6.84759	7.35725	7.89691	4.026021
3.72	5.54303	5.96423	6.41628	6.89945	7.41356	7.95800	4.059484
3.73	5.58380	6.00852	6.46441	6.95174	7.47034	8.01961	4.093232
3.74	5.62490	6.05318	6.51294	7.00447	7.52760	8.08173	4.127266
3.75	5.66634	6.09821	6.56188	7.05764	7.58534	8.14438	4.161589
3.76	5.70813	6.14361	6.61122	7.11125	7.64357	8.20756	4.196204
3.77	5.75027	6.18940	6.66098	7.16532	7.70228	8.27127	4.231112
3.78	5.79275	6.23557	6.71115	7.21983	7.76149	8.33553	4.266317
3.79	5.83559	6.28212	6.76174	7.27481	7.82120	8.40032	4.301822
3.80	5.87879	6.32906	6.81276	7.33025	7.88141	8.46566	4.337628
3.81	5.92235	6.37639	6.86420	7.38615	7.94213	8.53156	4.373739
3.82	5.96627	6.42411	6.91607	7.44252	8.00336	8.59801	4.410157
3.83	6.01055	6.47224	6.96838	7.49936	8.06510	8.66502	4.446886
3.84	6.05521	6.52076	7.02112	7.55668	8.12737	8.73260	4.483926
3.85	6.10023	6.56969	7.07431	7.61449	8.19016	8.80075	4.521283
3.86	6.14563	6.61903	7.12794	7.67277	8.25348	8.86948	4.558958
3.87	6.19141	6.66879	7.18202	7.73155	8.31733	8.93879	4.596954
3.88	6.23757	6.71895	7.23655	7.79082	8.38172	9.00869	4.635273
3.89	6.28412	6.76954	7.29154	7.85059	8.44666	9.07918	4.673920
3.90	6.33105	6.82055	7.34699	7.91086	8.51214	9.15026	4.712895
3.91	6.37838	6.87198	7.40291	7.97164	8.57817	9.22195	4.752204
3.92	6.42610	6.92385	7.45929	8.03293	8.64476	9.29425	4.791849
3.93	6.47422	6.97615	7.51615	8.09473	8.71192	9.36716	4.831831
3.94	6.52274	7.02888	7.57348	8.15706	8.77964	9.44068	4.872155
3.95	6.57166	7.08206	7.63130	8.21991	8.84793	9.51483	4.912823
3.96	6.62099	7.13568	7.68959	8.28329	8.91680	9.58961	4.953839
3.97	6.67074	7.18975	7.74838	8.34720	8.98625	9.66502	4.995205
3.98	6.72090	7.24428	7.80766	8.41165	9.05629	9.74108	5.036925
3.99	6.77148	7.29926	7.86744	8.47664	9.12692	9.81778	5.079002
4.00	6.82248	7.35470	7.92772	8.54218	9.19815	9.89512	5.121438

Table of $\mathcal{Q}(y, \varphi)$ and $\mathcal{S}(y)$

$y \backslash \varphi$	0.0	0.1	0.2	0.3	0.4	0.5	$\mathcal{S}(y)$
4.00	6.82248	7.35470	7.92772	8.54218	9.19815	9.89512	5.121438
4.01	6.87391	7.41060	7.98851	8.60827	9.26998	9.97313	5.164238
4.02	6.92577	7.46698	8.04981	8.67492	9.34241	10.05180	5.207404
4.03	6.97806	7.52382	8.11162	8.74213	9.41546	10.13113	5.250939
4.04	7.03079	7.58114	8.17395	8.80990	9.48913	10.21114	5.294847
4.05	7.08395	7.63895	8.23681	8.87825	9.56342	10.29183	5.339132
4.06	7.13757	7.69723	8.30019	8.94718	9.63834	10.37321	5.383796
4.07	7.19163	7.75601	8.36411	9.01668	9.71389	10.45527	5.428843
4.08	7.24615	7.81528	8.42857	9.08677	9.79008	10.53804	5.474275
4.09	7.30112	7.87504	8.49356	9.15746	9.86692	10.62151	5.520097
4.10	7.35655	7.93531	8.55911	9.22874	9.94441	10.70569	5.566312
4.11	7.41245	7.99608	8.62520	9.30062	10.02256	10.79058	5.612924
4.12	7.46881	8.05736	8.69185	9.37311	10.10136	10.87620	5.659936
4.13	7.52565	8.11916	8.75907	9.44621	10.18084	10.96254	5.707350
4.14	7.58296	8.18148	8.82685	9.51993	10.26099	11.04962	5.755172
4.15	7.64075	8.24432	8.89519	9.59427	10.34182	11.13744	5.803405
4.16	7.69903	8.30768	8.96412	9.66924	10.42333	11.22601	5.852052
4.17	7.75779	8.37158	9.03363	9.74484	10.50554	11.31533	5.901117
4.18	7.81705	8.43602	9.10372	9.82108	10.58844	11.40542	5.950604
4.19	7.87681	8.50100	9.17440	9.89797	10.67205	11.49627	6.000516
4.20	7.93706	8.56653	9.24568	9.97551	10.75637	11.58790	6.050857
4.21	7.99783	8.63260	9.31756	10.05370	10.84140	11.68030	6.101631
4.22	8.05910	8.69923	9.39004	10.13256	10.92715	11.77350	6.152842
4.23	8.12088	8.76643	9.46314	10.21208	11.01364	11.86749	6.204494
4.24	8.18319	8.83418	9.53686	10.29227	11.10086	11.96228	6.256589
4.25	8.24602	8.90251	9.61119	10.37315	11.18881	12.05788	6.309134
4.26	8.30937	8.97142	9.68616	10.45471	11.27752	12.15429	6.362131
4.27	8.37326	9.04090	9.76175	10.53696	11.36698	12.25153	6.415585
4.28	8.43769	9.11097	9.83799	10.61990	11.45720	12.34960	6.469498
4.29	8.50265	9.18163	9.91487	10.70355	11.54819	12.44851	6.523878
4.30	8.56817	9.25288	9.99240	10.78791	11.63995	12.54826	6.578725
4.31	8.63423	9.32474	10.07058	10.87299	11.73250	12.64886	6.634044
4.32	8.70085	9.39720	10.14942	10.95878	11.82583	12.75032	6.689841
4.33	8.76803	9.47027	10.22894	11.04531	11.91995	12.85265	6.746120
4.34	8.83577	9.54396	10.30912	11.13256	12.01488	12.95585	6.802884
4.35	8.90409	9.61827	10.38998	11.22056	12.11061	13.05994	6.860137
4.36	8.97298	9.69320	10.47153	11.30930	12.20716	13.16491	6.917885
4.37	9.04245	9.76877	10.55376	11.39880	12.30453	13.27079	6.976131
4.38	9.11250	9.84498	10.63670	11.48906	12.40274	13.37757	7.034881
4.39	9.18315	9.92183	10.72033	11.58008	12.50178	13.48526	7.094138
4.40	9.25439	9.99933	10.80467	11.67188	12.60166	13.59387	7.153907
4.41	9.32623	10.07748	10.88973	11.76445	12.70239	13.70342	7.214191
4.42	9.39867	10.15629	10.97551	11.85782	12.80399	13.81390	7.274998
4.43	9.47173	10.23577	11.06201	11.95197	12.90645	13.92533	7.336330
4.44	9.54540	10.31592	11.14925	12.04693	13.00978	14.03771	7.398192
4.45	9.61969	10.39675	11.23722	12.14270	13.11400	14.15105	7.460588
4.46	9.69461	10.47827	11.32594	12.23928	13.21910	14.26537	7.523526
4.47	9.77017	10.56047	11.41542	12.33668	13.32510	14.38066	7.587007
4.48	9.84635	10.64336	11.50565	12.43491	13.43201	14.49694	7.651037
4.49	9.92319	10.72696	11.59665	12.53397	13.53983	14.61422	7.715623
4.50	10.00067	10.81127	11.68842	12.63388	13.64857	14.73251	7.780767

Table of $Q(y, \varphi)$ and $S(y)$

$y \backslash \varphi$	0.0	0.1	0.2	0.3	0.4	0.5	$S(y)$
4.50	10.00067	10.81127	11.68842	12.63388	13.64857	14.73251	7.780767
4.51	10.07880	10.89629	11.78097	12.73464	13.75824	14.85181	7.846475
4.52	10.15760	10.98202	11.87431	12.83625	13.86885	14.97213	7.912753
4.53	10.23706	11.06849	11.96843	12.93874	13.98040	15.09349	7.979604
4.54	10.31719	11.15569	12.06336	13.04209	14.09291	15.21589	8.047036
4.55	10.39800	11.24362	12.15910	13.14633	14.20638	15.33933	8.115051
4.56	10.47950	11.33230	12.25564	13.25145	14.32082	15.46384	8.183657
4.57	10.56168	11.42173	12.35301	13.35747	14.43623	15.58942	8.252856
4.58	10.64456	11.51192	12.45120	13.46440	14.55264	15.71607	8.322657
4.59	10.72813	11.60288	12.55023	13.57223	14.67004	15.84381	8.393063
4.60	10.81242	11.69461	12.65011	13.68099	14.78845	15.97266	8.464079
4.61	10.89742	11.78711	12.75083	13.79067	14.90787	16.10260	8.535712
4.62	10.98314	11.88040	12.85241	13.90129	15.02831	16.23367	8.607967
4.63	11.06958	11.97448	12.95485	14.01286	15.14978	16.36586	8.680849
4.64	11.15676	12.06936	13.05816	14.12537	15.27230	16.49919	8.754364
4.65	11.24467	12.16504	13.16236	14.23885	15.39586	16.63366	8.828517
4.66	11.33333	12.26154	13.26744	14.35330	15.52048	16.76929	8.903314
4.67	11.42274	12.35886	13.37341	14.46872	15.64618	16.90609	8.978762
4.68	11.51291	12.45700	13.48029	14.58513	15.77294	17.04407	9.054866
4.69	11.60384	12.55598	13.58808	14.70254	15.90080	17.18323	9.131630
4.70	11.69554	12.65580	13.69679	14.82094	16.02975	17.32359	9.209062
4.71	11.78802	12.75646	13.80642	14.94036	16.15981	17.46516	9.287168
4.72	11.88129	12.85799	13.91699	15.06081	16.29098	17.60795	9.365953
4.73	11.97534	12.96037	14.02850	15.18228	16.42328	17.75197	9.445423
4.74	12.07020	13.06363	14.14096	15.30479	16.55672	17.89723	9.525585
4.75	12.16586	13.16776	14.25438	15.42835	16.69130	18.04374	9.606445
4.76	12.26233	13.27279	14.36877	15.55296	16.82704	18.19151	9.688008
4.77	12.35962	13.37870	14.48414	15.67865	16.96394	18.34056	9.770282
4.78	12.45774	13.48552	14.60049	15.80541	17.10202	18.49089	9.853272
4.79	12.55669	13.59325	14.71783	15.93325	17.24129	18.64252	9.936984
4.80	12.65648	13.70189	14.83618	16.06219	17.38175	18.79546	10.021427
4.81	12.75712	13.81146	14.95553	16.19223	17.52342	18.94972	10.106604
4.82	12.85861	13.92196	15.07591	16.32339	17.66630	19.10531	10.192524
4.83	12.96097	14.03341	15.19731	16.45568	17.81042	19.26224	10.279194
4.84	13.06420	14.14580	15.31976	16.58909	17.95578	19.42042	10.366617
4.85	13.16831	14.25915	15.44325	16.72365	18.10238	19.58018	10.454804
4.86	13.27330	14.37347	15.56779	16.85937	18.25025	19.74121	10.543761
4.87	13.37918	14.48877	15.69340	16.99625	18.39939	19.90363	10.633493
4.88	13.48597	14.60505	15.82008	17.13430	18.54981	20.06746	10.724009
4.89	13.59367	14.72232	15.94785	17.27354	18.70153	20.23270	10.815313
4.90	13.70228	14.84059	16.07671	17.41397	18.85456	20.39937	10.907416
4.91	13.81182	14.95987	16.20668	17.55561	19.00890	20.56747	11.000321
4.92	13.92229	15.08017	16.33775	17.69846	19.16457	20.73704	11.094038
4.93	14.03370	15.20149	16.46995	17.84254	19.32159	20.90807	11.188573
4.94	14.14606	15.32386	16.60328	17.98786	19.47995	21.08058	11.283936
4.95	14.25938	15.44726	16.73776	18.13443	19.63969	21.25458	11.380130
4.96	14.37367	15.57173	16.87338	18.28225	19.80079	21.43008	11.477165
4.97	14.48893	15.69725	17.01017	18.43135	19.96329	21.60711	11.575048
4.98	14.60517	15.82385	17.14813	18.58173	20.12719	21.78567	11.673787
4.99	14.72241	15.95154	17.28727	18.73340	20.29251	21.96577	11.773388
5.00	14.84064	16.08031	17.42761	18.88637	20.45925	22.14743	11.873861

Table of $Q(y, \varphi)$ and $S(y)$

$y \backslash \varphi$	0.5	0.6	0.7	0.8	0.9	1.0	$S(y)$
3.00	4.64034	4.94086	5.25285	5.57506	5.90606	6.24432	2.242790
3.01	4.67411	4.97736	5.29223	5.61745	5.95160	6.29312	2.261307
3.02	4.70816	5.01416	5.33194	5.66021	5.99753	6.34234	2.279976
3.03	4.74249	5.05127	5.37198	5.70332	6.04385	6.39199	2.298799
3.04	4.77711	5.08870	5.41235	5.74680	6.09057	6.44205	2.317778
3.05	4.81202	5.12643	5.45307	5.79064	6.13768	6.49255	2.336912
3.06	4.84722	5.16448	5.49413	5.83486	6.18519	6.54348	2.356205
3.07	4.88272	5.20285	5.53554	5.87945	6.23311	6.59484	2.375658
3.08	4.91851	5.24154	5.57729	5.92442	6.28143	6.64665	2.395271
3.09	4.95460	5.28056	5.61940	5.96977	6.33016	6.69889	2.415046
3.10	4.99099	5.31990	5.66186	6.01551	6.37932	6.75159	2.434985
3.11	5.02768	5.35957	5.70468	6.06163	6.42888	6.80474	2.455088
3.12	5.06468	5.39958	5.74785	6.10814	6.47888	6.85834	2.475358
3.13	5.10199	5.43992	5.79140	6.15505	6.52929	6.91240	2.495796
3.14	5.13961	5.48060	5.83531	6.20235	6.58014	6.96692	2.516404
3.15	5.17755	5.52162	5.87959	6.25005	6.63142	7.02192	2.537182
3.16	5.21580	5.56298	5.92424	6.29816	6.68313	7.07738	2.558133
3.17	5.25437	5.60470	5.96927	6.34668	6.73529	7.13332	2.579257
3.18	5.29327	5.64676	6.01468	6.39560	6.78789	7.18974	2.600557
3.19	5.33248	5.68917	6.06047	6.44495	6.84095	7.24664	2.622034
3.20	5.37203	5.73194	6.10665	6.49471	6.89445	7.30403	2.643690
3.21	5.41191	5.77507	6.15322	6.54489	6.94841	7.36191	2.665525
3.22	5.45212	5.81856	6.20018	6.59550	7.00283	7.42029	2.687543
3.23	5.49267	5.86242	6.24754	6.64653	7.05771	7.47917	2.709743
3.24	5.53355	5.90665	6.29529	6.69801	7.11306	7.53856	2.732129
3.25	5.57478	5.95124	6.34345	6.74991	7.16889	7.59846	2.754790
3.26	5.61635	5.99621	6.39202	6.80226	7.22519	7.65887	2.777461
3.27	5.65827	6.04156	6.44100	6.85505	7.28197	7.71980	2.800411
3.28	5.70055	6.08730	6.49039	6.90830	7.33924	7.78125	2.823553
3.29	5.74317	6.13341	6.54020	6.96199	7.39700	7.84323	2.846887
3.30	5.78615	6.17992	6.59043	7.01614	7.45525	7.90574	2.870416
3.31	5.82950	6.22681	6.64108	7.07075	7.51400	7.96879	2.894142
3.32	5.87320	6.27410	6.69216	7.12582	7.57325	8.03239	2.918067
3.33	5.91727	6.32179	6.74368	7.18136	7.63300	8.09653	2.942191
3.34	5.96171	6.36987	6.79563	7.23738	7.69327	8.16122	2.966512
3.35	6.00653	6.41837	6.84802	7.29387	7.75405	8.22646	2.991046
3.36	6.05172	6.46727	6.90085	7.35084	7.81535	8.29227	3.015782
3.37	6.09728	6.51658	6.95413	7.40830	7.87718	8.35865	3.040724
3.38	6.14323	6.56631	7.00786	7.46624	7.93954	8.42559	3.065875
3.39	6.18957	6.61646	7.06204	7.52468	8.00243	8.49312	3.091237
3.40	6.23629	6.66703	7.11669	7.58361	8.06585	8.56122	3.116812
3.41	6.28341	6.71802	7.17179	7.64305	8.12982	8.62991	3.142601
3.42	6.33092	6.76945	7.22737	7.70299	8.19434	8.69919	3.168606
3.43	6.37883	6.82131	7.28341	7.76344	8.25941	8.76907	3.194830
3.44	6.42714	6.87360	7.33993	7.82441	8.32504	8.83955	3.221274
3.45	6.47585	6.92634	7.39693	7.88590	8.39123	8.91064	3.247941
3.46	6.52498	6.97952	7.45441	7.94791	8.45799	8.98234	3.274831
3.47	6.57452	7.03315	7.51238	8.01045	8.52532	9.05466	3.301948
3.48	6.62447	7.08724	7.57084	8.07352	8.59323	9.12760	3.329293
3.49	6.67485	7.14178	7.62979	8.13713	8.66171	9.20117	3.356867
3.50	6.72565	7.19678	7.68925	8.20129	8.73079	9.27538	3.384674

Table of $Q(y, \varphi)$ and $\mathcal{S}(y)$

$y \backslash \varphi$	0.5	0.6	0.7	0.8	0.9	1.0	$\mathcal{S}(y)$
3.50	6.72565	7.19678	7.68925	8.20129	8.73079	9.27538	3.384674
3.51	6.77687	7.25224	7.74921	8.26599	8.80046	9.35022	3.412715
3.52	6.82853	7.30817	7.80968	8.33124	8.87073	9.42571	3.440993
3.53	6.88062	7.36458	7.87066	8.39705	8.94159	9.50185	3.469508
3.54	6.93314	7.42146	7.93216	8.46342	9.01307	9.57865	3.498264
3.55	6.98611	7.47882	7.99418	8.53035	9.08516	9.65612	3.527263
3.56	7.03953	7.53667	8.05673	8.59786	9.15787	9.73425	3.556506
3.57	7.09339	7.59500	8.11981	8.66595	9.23120	9.81305	3.585996
3.58	7.14771	7.65383	8.18342	8.73461	9.30517	9.89254	3.615735
3.59	7.20248	7.71316	8.24758	8.80387	9.37977	9.97271	3.645725
3.60	7.25772	7.77299	8.31228	8.87371	9.45501	10.05358	3.675968
3.61	7.31342	7.83332	8.37753	8.94415	9.53089	10.13514	3.706467
3.62	7.36959	7.89416	8.44334	9.01519	9.60743	10.21741	3.737224
3.63	7.42623	7.95552	8.50970	9.08684	9.68463	10.30039	3.768241
3.64	7.48335	8.01740	8.57663	9.15911	9.76249	10.38409	3.799521
3.65	7.54096	8.07980	8.64413	9.23199	9.84101	10.46851	3.831065
3.66	7.59904	8.14273	8.71221	9.30549	9.92022	10.55366	3.862876
3.67	7.65762	8.20620	8.78086	9.37962	10.00010	10.63955	3.894956
3.68	7.71669	8.27020	8.85010	9.45439	10.08068	10.72618	3.927309
3.69	7.77626	8.33474	8.91992	9.52980	10.16194	10.81357	3.959936
3.70	7.83633	8.39983	8.99034	9.60585	10.24391	10.90170	3.992838
3.71	7.89691	8.46547	9.06137	9.68255	10.32658	10.99060	4.026021
3.72	7.95800	8.53167	9.13299	9.75992	10.40996	11.08028	4.059424
3.73	8.01961	8.59843	9.20523	9.83794	10.49406	11.17072	4.093232
3.74	8.08173	8.66576	9.27808	9.91663	10.57889	11.26195	4.127266
3.75	8.14438	8.73365	9.35155	9.99599	10.66444	11.35397	4.161589
3.76	8.20756	8.80213	9.42565	10.07604	10.75074	11.44679	4.196204
3.77	8.27127	8.87118	9.50038	10.15677	10.83777	11.54041	4.231112
3.78	8.33553	8.94082	9.57575	10.23820	10.92556	11.63485	4.266317
3.79	8.40032	9.01105	9.65176	10.32032	11.01410	11.73010	4.301822
3.80	8.46566	9.08188	9.72842	10.40314	11.10341	11.82618	4.337628
3.81	8.53156	9.15331	9.80574	10.48668	11.19349	11.92309	4.373739
3.82	8.59801	9.22534	9.88371	10.57093	11.28434	12.02084	4.410157
3.83	8.66502	9.29799	9.96235	10.65591	11.37598	12.11944	4.446886
3.84	8.73260	9.37125	10.04166	10.74161	11.46841	12.21890	4.483926
3.85	8.80075	9.44514	10.12165	10.82806	11.56164	12.31922	4.521283
3.86	8.86948	9.51966	10.20232	10.91524	11.65567	12.42041	4.558958
3.87	8.93879	9.59481	10.28368	11.00317	11.75051	12.52248	4.596954
3.88	9.00869	9.67059	10.36574	11.09186	11.84617	12.62543	4.635273
3.89	9.07918	9.74703	10.44849	11.18131	11.94266	12.72928	4.673920
3.90	9.15026	9.82411	10.53196	11.27153	12.03999	12.83403	4.712895
3.91	9.22195	9.90185	10.61614	11.36252	12.13815	12.93969	4.752204
3.92	9.29425	9.98025	10.70103	11.45429	12.23716	13.04627	4.791849
3.93	9.36716	10.05932	10.78666	11.54686	12.33703	13.15378	4.831831
3.94	9.44068	10.13906	10.87302	11.64022	12.43776	13.26222	4.872155
3.95	9.51483	10.21948	10.96011	11.73438	12.53936	13.37160	4.912823
3.96	9.58961	10.30058	11.04795	11.82936	12.64184	13.48194	4.953839
3.97	9.66502	10.38238	11.13655	11.92515	12.74521	13.59323	4.995205
3.98	9.74108	10.46487	11.22590	12.02176	12.84947	13.70549	5.036925
3.99	9.81778	10.54807	11.31602	12.11921	12.95463	13.81873	5.079002
4.00	9.89512	10.63197	11.40690	12.21749	13.06070	13.93296	5.121438

Table of $\Omega(y, \varphi)$ and $\mathcal{S}(y)$

$y \backslash \varphi$	0.5	0.6	0.7	0.8	0.9	1.0	$\mathcal{S}(y)$
4.00	9.89512	10.63197	11.40690	12.21749	13.06070	13.93296	5.121438
4.01	9.97313	10.71659	11.49857	12.31662	13.16769	14.04817	5.164238
4.02	10.05180	10.80194	11.59102	12.41661	13.27561	14.16440	5.207404
4.03	10.13113	10.88801	11.68427	12.51746	13.38446	14.28163	5.250939
4.04	10.21114	10.97481	11.77832	12.61917	13.49426	14.39988	5.294847
4.05	10.29183	11.06236	11.87317	12.72176	13.60500	14.51917	5.339132
4.06	10.37321	11.15065	11.96883	12.82524	13.71671	14.63949	5.383796
4.07	10.45527	11.23970	12.06532	12.92961	13.82938	14.76086	5.428843
4.08	10.53804	11.32950	12.16263	13.03488	13.94303	14.88329	5.474275
4.09	10.62151	11.42008	12.26078	13.14105	14.05767	15.00679	5.520097
4.10	10.70569	11.51142	12.35977	13.24814	14.17330	15.13136	5.566312
4.11	10.79058	11.60355	12.45961	13.35616	14.28993	15.25702	5.612924
4.12	10.87620	11.69547	12.56030	13.46511	14.40757	15.38378	5.659936
4.13	10.96254	11.79018	12.66187	13.57499	14.52624	15.51164	5.707350
4.14	11.04962	11.88469	12.76430	13.68583	14.64593	15.64061	5.755172
4.15	11.13744	11.98000	12.86761	13.79762	14.76667	15.77071	5.803405
4.16	11.22601	12.07614	12.97182	13.91038	14.88845	15.90195	5.852052
4.17	11.31533	12.17309	13.07691	14.02412	15.01128	16.03433	5.901117
4.18	11.40542	12.27088	13.18291	14.13883	15.13519	16.16787	5.950604
4.19	11.49627	12.36950	13.28983	14.25454	15.26017	16.30258	6.000516
4.20	11.58790	12.46897	13.39766	14.37124	15.38624	16.43846	6.050857
4.21	11.68030	12.56929	13.50642	14.48896	15.51340	16.57552	6.101631
4.22	11.77350	12.67046	13.61611	14.60769	15.64167	16.71379	6.152842
4.23	11.86749	12.77251	13.72675	14.72745	15.77105	16.85326	6.204494
4.24	11.96228	12.87542	13.83834	14.84824	15.90155	16.99395	6.256589
4.25	12.05788	12.97922	13.95089	14.97008	16.03319	17.13587	6.309134
4.26	12.15429	13.08391	14.06441	15.09298	16.16598	17.27904	6.362131
4.27	12.25153	13.18950	14.17891	15.21694	16.29992	17.42345	6.415585
4.28	12.34960	13.29599	14.29439	15.34197	16.43503	17.56913	6.469498
4.29	12.44851	13.40339	14.41087	15.46808	16.57131	17.71608	6.523878
4.30	12.54826	13.51172	14.52835	15.59528	16.70878	17.86431	6.578725
4.31	12.64886	13.62097	14.64685	15.72359	16.84744	18.01385	6.634044
4.32	12.75032	13.73117	14.76636	15.85301	16.98731	18.16469	6.689841
4.33	12.85265	13.84231	14.88691	15.98355	17.12840	18.31685	6.746120
4.34	12.95585	13.95440	15.00850	16.11521	17.27072	18.47035	6.802884
4.35	13.05994	14.06745	15.13113	16.24803	17.41428	18.62518	6.860137
4.36	13.16491	14.18148	15.25482	16.38199	17.55908	18.78138	6.917885
4.37	13.27079	14.29648	15.37958	16.51711	17.70515	18.93894	6.976131
4.38	13.37757	14.41247	15.50542	16.65341	17.85250	19.09788	7.034881
4.39	13.48526	14.52946	15.63234	16.79088	18.00112	19.25822	7.094138
4.40	13.59387	14.64745	15.76036	16.92955	18.15104	19.41996	7.153907
4.41	13.70342	14.76646	15.88948	17.06942	18.30227	19.58312	7.214191
4.42	13.81390	14.88649	16.01972	17.21051	18.45482	19.74771	7.274998
4.43	13.92533	15.00756	16.15108	17.35282	18.60870	19.91374	7.336330
4.44	14.03771	15.12966	16.28358	17.49637	18.76392	20.08122	7.398192
4.45	14.15105	15.25282	16.41722	17.64116	18.92050	20.25018	7.460588
4.46	14.26537	15.37703	16.55202	17.78721	19.07844	20.42062	7.523526
4.47	14.38066	15.50231	16.68798	17.93453	19.23776	20.59255	7.587007
4.48	14.49694	15.62868	16.82512	18.08313	19.39848	20.76600	7.651037
4.49	14.61422	15.75613	16.96345	18.23301	19.56059	20.94096	7.715623
4.50	14.73251	15.88467	17.10297	18.38421	19.72412	21.11746	7.780767

Table of $Q(y, \varphi)$ and $\mathcal{S}(y)$

y	0.5	0.6	0.7	0.8	0.9	1.0	$\mathcal{S}(y)$
4.50	14.73251	15.88467	17.10297	18.38421	19.72412	21.11746	7.780767
4.51	14.85181	16.01433	17.24370	18.53671	19.88908	21.29551	7.846475
4.52	14.97213	16.14510	17.38564	18.69054	20.05548	21.47512	7.912753
4.53	15.09349	16.27700	17.52882	18.84571	20.22334	21.65632	7.979604
4.54	15.21589	16.41003	17.67323	19.00223	20.39266	21.83910	8.047036
4.55	15.33933	16.54421	17.81889	19.16011	20.56346	22.02349	8.115051
4.56	15.46384	16.67955	17.96582	19.31937	20.73576	22.20950	8.183657
4.57	15.58942	16.81605	18.11402	19.48001	20.90956	22.39714	8.252856
4.58	15.71607	16.95373	18.26350	19.64204	21.08488	22.58643	8.322657
4.59	15.84381	17.09260	18.41427	19.80549	21.26174	22.77739	8.393063
4.60	15.97266	17.23267	18.56636	19.97036	21.44014	22.97002	8.464079
4.61	16.10260	17.37395	18.71976	20.13667	21.62010	23.16435	8.535712
4.62	16.23367	17.51644	18.87449	20.30442	21.80164	23.36039	8.607967
4.63	16.36586	17.66017	19.03056	20.47364	21.98477	23.55816	8.680849
4.64	16.49919	17.80513	19.18798	20.64433	22.16950	23.75766	8.754364
4.65	16.63366	17.95135	19.34678	20.81651	22.35585	23.95892	8.828517
4.66	16.76929	18.09883	19.50694	20.99019	22.54383	24.16195	8.903314
4.67	16.90609	18.24759	19.66850	21.16538	22.73346	24.36677	8.978762
4.68	17.04407	18.39763	19.83146	21.34210	22.92474	24.57339	9.054866
4.69	17.18323	18.54896	19.99584	21.52036	23.11771	24.78183	9.131630
4.70	17.32359	18.70161	20.16164	21.70017	23.31236	24.99211	9.209062
4.71	17.46516	18.85557	20.32888	21.88156	23.50873	25.20424	9.287168
4.72	17.60795	19.01087	20.49758	22.06452	23.70681	25.41823	9.365953
4.73	17.75197	19.16751	20.66774	22.24909	23.90663	25.63412	9.445423
4.74	17.89723	19.32550	20.83937	22.43526	24.10820	25.85190	9.525585
4.75	18.04374	19.48486	21.01250	22.62306	24.31154	26.07161	9.606445
4.76	18.19151	19.64560	21.18714	22.81250	24.51666	26.29325	9.688008
4.77	18.34056	19.80774	21.36329	23.00359	24.72359	26.51685	9.770282
4.78	18.49089	19.97127	21.54097	23.19636	24.93233	26.74241	9.853272
4.79	18.64252	20.13622	21.72020	23.39080	25.14290	26.96997	9.936984
4.80	18.79546	20.30260	21.90099	23.58695	25.35532	27.19954	10.021427
4.81	18.94972	20.47042	22.08335	23.78481	25.56960	27.43113	10.106604
4.82	19.10531	20.63970	22.26730	23.98439	25.78577	27.66476	10.192524
4.83	19.26224	20.81044	22.45284	24.18573	26.00384	27.90046	10.279194
4.84	19.42052	20.98266	22.64001	24.38882	26.22382	28.13823	10.366617
4.85	19.58018	21.15638	22.82880	24.59369	26.44573	28.37811	10.454804
4.86	19.74121	21.33160	23.01923	24.80035	26.66959	28.62010	10.543761
4.87	19.90363	21.50834	23.21133	25.00882	26.89542	28.86423	10.633493
4.88	20.06746	21.68661	23.40510	25.21911	27.12324	29.11052	10.724009
4.89	20.23270	21.86643	23.60055	25.43125	27.35306	29.35898	10.815313
4.90	20.39937	22.04781	23.79771	25.64524	27.58490	29.60964	10.907416
4.91	20.56747	22.23076	23.99659	25.86110	27.81878	29.86251	11.000321
4.92	20.73704	22.41531	24.19720	26.07885	28.05471	30.11762	11.094038
4.93	20.90807	22.60145	24.39956	26.29851	28.29273	30.37499	11.188573
4.94	21.08058	22.78921	24.60368	26.52009	28.53283	30.63462	11.283936
4.95	21.25458	22.97860	24.80958	26.74362	28.77505	30.89656	11.380130
4.96	21.43008	23.16964	25.01728	26.96910	29.01940	31.16081	11.477165
4.97	21.60711	23.36233	25.22680	27.19656	29.26590	31.42740	11.575048
4.98	21.78567	23.55670	25.43814	27.42601	29.51457	31.69634	11.673787
4.99	21.96577	23.75276	25.65132	27.65748	29.76544	31.96767	11.773388
5.00	22.14743	23.95053	25.86637	27.89097	30.01851	32.24139	11.873861

Table of $Q(y, \frac{1}{\phi})$ and $S(y)$

$y \frac{1}{\phi}$	1.0	0.8	0.6	0.4	0.2	0.0	$S(y)$
3.00	6.24432	7.11075	8.56124	11.14702	15.33123	20.085537	2.242790
3.01	6.29312	7.16811	8.63348	11.24711	15.47859	20.287400	2.261307
3.02	6.34234	7.22596	8.70635	11.34812	15.62739	20.491292	2.279976
3.03	6.39199	7.28432	8.77987	11.45008	15.77764	20.697233	2.298799
3.04	6.44205	7.34319	8.85405	11.55298	15.92935	20.905244	2.317778
3.05	6.49255	7.40257	8.92889	11.65683	16.08253	21.115344	2.336912
3.06	6.54348	7.46246	9.00440	11.76165	16.23722	21.327557	2.356205
3.07	6.59484	7.52287	9.08058	11.86744	16.39340	21.541903	2.375658
3.08	6.64665	7.58381	9.15744	11.97421	16.55111	21.758402	2.395271
3.09	6.69889	7.64528	9.23498	12.08198	16.71036	21.977078	2.415046
3.10	6.75159	7.70729	9.31322	12.19074	16.87116	22.197951	2.434985
3.11	6.80474	7.76983	9.39216	12.30052	17.03353	22.421044	2.455088
3.12	6.85834	7.83292	9.47179	12.41132	17.19748	22.646380	2.475358
3.13	6.91240	7.89656	9.55214	12.52314	17.36303	22.873980	2.495796
3.14	6.96692	7.96075	9.63321	12.63600	17.53019	23.103867	2.516404
3.15	7.02192	8.02549	9.71500	12.74992	17.69898	23.336065	2.537182
3.16	7.07738	8.09081	9.79752	12.86489	17.86942	23.570596	2.558133
3.17	7.13332	8.15669	9.88078	12.98092	18.04151	23.807484	2.579257
3.18	7.18974	8.22314	9.96478	13.09804	18.21529	24.046754	2.600557
3.19	7.24664	8.29018	10.04953	13.21625	18.39076	24.288427	2.622034
3.20	7.30403	8.35779	10.13503	13.33555	18.56794	24.532530	2.643690
3.21	7.36191	8.42600	10.22131	13.45597	18.74685	24.779086	2.665525
3.22	7.42029	8.49480	10.30835	13.57750	18.92751	25.028120	2.687543
3.23	7.47917	8.56420	10.39617	13.70016	19.10992	25.279657	2.709743
3.24	7.53856	8.63421	10.48477	13.82397	19.29412	25.533722	2.732129
3.25	7.59846	8.70482	10.57417	13.94892	19.48011	25.790340	2.754790
3.26	7.65887	8.77606	10.66436	14.07504	19.66791	26.049537	2.777461
3.27	7.71980	8.84791	10.75536	14.20233	19.85755	26.311339	2.800411
3.28	7.78125	8.92039	10.84718	14.33081	20.04904	26.575773	2.823553
3.29	7.84323	8.99350	10.93982	14.46048	20.24239	26.842864	2.846887
3.30	7.90574	9.06725	11.03328	14.59135	20.43763	27.112639	2.870416
3.31	7.96879	9.14164	11.12758	14.72345	20.63478	27.385125	2.894142
3.32	8.03239	9.21668	11.22273	14.85677	20.83385	27.660351	2.918067
3.33	8.09653	9.29238	11.31872	14.99133	21.03486	27.938342	2.942191
3.34	8.16122	9.36874	11.41558	15.12715	21.23783	28.219127	2.966512
3.35	8.22646	9.44576	11.51330	15.26423	21.44278	28.502734	2.991046
3.36	8.29227	9.52346	11.61190	15.40259	21.64973	28.789191	3.015782
3.37	8.35865	9.60184	11.71138	15.54224	21.85871	29.078527	3.040724
3.38	8.42559	9.68090	11.81175	15.68318	22.06972	29.370771	3.065875
3.39	8.49312	9.76065	11.91301	15.82544	22.28279	29.665952	3.091237
3.40	8.56122	9.84110	12.01519	15.96903	22.49794	29.964100	3.116812
3.41	8.62991	9.92225	12.11828	16.11395	22.71519	30.265244	3.142601
3.42	8.69919	10.00411	12.22230	16.26022	22.93456	30.569415	3.168606
3.43	8.76907	10.08669	12.32724	16.40785	23.15607	30.876643	3.194830
3.44	8.83955	10.16999	12.43313	16.55686	23.37975	31.186958	3.221274
3.45	8.91064	10.25402	12.53997	16.70726	23.60560	31.500392	3.247941
3.46	8.98234	10.33878	12.64776	16.85906	23.83366	31.816977	3.274831
3.47	9.05466	10.42428	12.75652	17.01227	24.06395	32.136742	3.301948
3.48	9.12760	10.51054	12.86626	17.16692	24.29649	32.459722	3.329293
3.49	9.20117	10.59754	12.97698	17.32300	24.53130	32.785948	3.356867
3.50	9.27538	10.68531	13.08869	17.48054	24.76840	33.115452	3.384674

Table of $Q(y, 1/4)$ and $S(y)$

$y/4$	1.0	0.8	0.6	0.4	0.2	0.0	$S(y)$
3.50	9.27538	10.68531	13.08869	17.48054	24.76840	33.115152	3.384674
3.51	9.35022	10.77385	13.20140	17.63955	25.00781	33.448268	3.412715
3.52	9.42571	10.86316	13.31513	17.80004	25.24956	33.784428	3.440993
3.53	9.50185	10.95326	13.42987	17.96203	25.49368	34.123968	3.469508
3.54	9.57865	11.04414	13.54565	18.12552	25.74018	34.466919	3.498264
3.55	9.65612	11.13582	13.66247	18.29055	25.98908	34.813317	3.527263
3.56	9.73425	11.22831	13.78033	18.45711	26.24041	35.163197	3.556506
3.57	9.81305	11.32160	13.89925	18.62522	26.49420	35.516593	3.585996
3.58	9.89254	11.41571	14.01924	18.79491	26.75047	35.873541	3.615735
3.59	9.97271	11.51065	14.14031	18.96618	27.00925	36.234076	3.645725
3.60	10.05358	11.60642	14.26246	19.13904	27.27055	36.598234	3.675968
3.61	10.13514	11.70303	14.38571	19.31352	27.53440	36.966053	3.706467
3.62	10.21741	11.80048	14.51007	19.48963	27.80083	37.337568	3.737224
3.63	10.30039	11.89880	14.63555	19.66738	28.06986	37.712817	3.768241
3.64	10.38409	11.99797	14.76215	19.84679	28.34152	38.091837	3.799521
3.65	10.46851	12.09801	14.88989	20.02788	28.61583	38.474666	3.831065
3.66	10.55366	12.19894	15.01878	20.21065	28.89283	38.861343	3.862876
3.67	10.63955	12.30074	15.14883	20.39514	29.17253	39.251906	3.894956
3.68	10.72618	12.40345	15.28005	20.58134	29.45496	39.646394	3.927309
3.69	10.81357	12.50705	15.41245	20.76929	29.74016	40.044847	3.959936
3.70	10.90170	12.61156	15.54604	20.95899	30.02814	40.447304	3.992838
3.71	10.99060	12.71700	15.68083	21.15046	30.31894	40.853807	4.026021
3.72	11.08028	12.82335	15.81683	21.34372	30.61257	41.264394	4.059484
3.73	11.17072	12.93065	15.95405	21.53879	30.90908	41.679108	4.093232
3.74	11.26195	13.03888	16.09252	21.73567	31.20848	42.097990	4.127266
3.75	11.35397	13.14807	16.23222	21.93440	31.51082	42.521082	4.161589
3.76	11.44679	13.25822	16.37319	22.13499	31.81610	42.948426	4.196204
3.77	11.54041	13.36933	16.51542	22.33745	32.12437	43.380065	4.231112
3.78	11.63485	13.48142	16.65894	22.54180	32.43566	43.816042	4.266317
3.79	11.73010	13.59450	16.80374	22.74807	32.74998	44.256400	4.301822
3.80	11.82618	13.70857	16.94985	22.95626	33.06738	44.701184	4.337628
3.81	11.92309	13.82365	17.09728	23.16640	33.38789	45.150439	4.373739
3.82	12.02084	13.93974	17.24603	23.37850	33.71152	45.604208	4.410157
3.83	12.11944	14.05685	17.39613	23.59259	34.03832	46.062538	4.446886
3.84	12.21890	14.17499	17.54758	23.80868	34.36832	46.525474	4.483926
3.85	12.31922	14.29418	17.70039	24.02679	34.70154	46.993063	4.521283
3.86	12.42041	14.41441	17.85458	24.24694	35.03802	47.465351	4.558958
3.87	12.52248	14.53570	18.01016	24.46914	35.37779	47.942386	4.596954
3.88	12.62543	14.65806	18.16714	24.69343	35.72089	48.424215	4.635273
3.89	12.72928	14.78149	18.32553	24.91982	36.06734	48.910887	4.673920
3.90	12.83403	14.90602	18.48536	25.14832	36.41718	49.402449	4.712895
3.91	12.93969	15.03164	18.64663	25.37897	36.77043	49.898952	4.752204
3.92	13.04627	15.15837	18.80935	25.61177	37.12715	50.400445	4.791849
3.93	13.15378	15.28621	18.97354	25.84675	37.48735	50.906978	4.831831
3.94	13.26222	15.41519	19.13921	26.08393	37.85108	51.418601	4.872155
3.95	13.37160	15.54530	19.30638	26.32333	38.21836	51.935367	4.912823
3.96	13.48194	15.67656	19.47505	26.56498	38.58924	52.457326	4.953839
3.97	13.59323	15.80897	19.64525	26.80888	38.96375	52.984531	4.995205
3.98	13.70549	15.94256	19.81698	27.05507	39.34191	53.517034	5.036925
3.99	13.81873	16.07732	19.99027	27.30356	39.72378	54.054889	5.079002
4.00	13.93296	16.21327	20.16511	27.55438	40.10939	54.598150	5.121438

Table of $\Omega(y, \frac{1}{\varphi})$ and $\mathcal{S}(y)$

y/φ	1.0	0.8	0.6	0.4	0.2	0.0	$\mathcal{S}(y)$
4.00	13.93296	16.21327	20.16511	27.55438	40.10939	54.598150	5.121438
4.01	14.04817	16.35042	20.34154	27.80755	40.49877	55.146871	5.164238
4.02	14.16440	16.48879	20.51956	28.06310	40.89195	55.701106	5.207404
4.03	14.28163	16.62837	20.69919	28.32103	41.28899	56.260911	5.250939
4.04	14.39988	16.76919	20.88045	28.58139	41.68991	56.826343	5.294847
4.05	14.51917	16.91125	21.06334	28.84418	42.09475	57.397457	5.339132
4.06	14.63949	17.05457	21.24788	29.10943	42.50356	57.974311	5.383796
4.07	14.76086	17.19915	21.43409	29.37717	42.91636	58.556963	5.428843
4.08	14.88329	17.34501	21.62198	29.64742	43.33321	59.145470	5.474275
4.09	15.00679	17.49216	21.81157	29.92020	43.75414	59.739892	5.520097
4.10	15.13136	17.64061	22.00288	30.19554	44.17918	60.340288	5.566312
4.11	15.25702	17.79037	22.19592	30.47346	44.60839	60.946718	5.612924
4.12	15.38378	17.94146	22.39070	30.75399	45.04179	61.559242	5.659936
4.13	15.51164	18.09388	22.58724	31.03715	45.47944	62.177923	5.707350
4.14	15.64061	18.24765	22.78557	31.32296	45.92138	62.802821	5.755172
4.15	15.77071	18.40278	22.98568	31.61145	46.36764	63.434000	5.803405
4.16	15.90195	18.55928	23.18761	31.90265	46.81826	64.071523	5.852052
4.17	16.03433	18.71717	23.39136	32.19658	47.27330	64.715452	5.901117
4.18	16.16787	18.87646	23.59696	32.49326	47.73280	65.365853	5.950604
4.19	16.30258	19.03715	23.80442	32.79273	48.19679	66.022791	6.000516
4.20	16.43846	19.19927	24.01376	33.09501	48.66533	66.686331	6.050857
4.21	16.57552	19.36283	24.22499	33.40012	49.13846	67.356540	6.101631
4.22	16.71379	19.52783	24.43814	33.70810	49.61621	68.033484	6.152842
4.23	16.85326	19.69429	24.65321	34.01897	50.09865	68.717232	6.204494
4.24	16.99395	19.86223	24.87024	34.33275	50.58581	69.407852	6.256589
4.25	17.13587	20.03166	25.08923	34.64948	51.07774	70.105412	6.309134
4.26	17.27904	20.20259	25.31020	34.96919	51.57449	70.809983	6.362131
4.27	17.42345	20.37503	25.53318	35.29189	52.07610	71.521636	6.415585
4.28	17.56913	20.54900	25.75817	35.61762	52.58263	72.240440	6.469498
4.29	17.71608	20.72452	25.98521	35.94641	53.09411	72.966468	6.523878
4.30	17.86431	20.90159	26.21431	36.27829	53.61061	73.699794	6.578725
4.31	18.01385	21.08023	26.44548	36.61329	54.13217	74.440489	6.634044
4.32	18.16469	21.26045	26.67874	36.95143	54.65883	75.188628	6.689841
4.33	18.31685	21.44228	26.91412	37.29275	55.19066	75.944287	6.746120
4.34	18.47035	21.62572	27.15164	37.63727	55.72769	76.707539	6.802884
4.35	18.62518	21.81078	27.39131	37.98503	56.26999	77.478463	6.860137
4.36	18.78138	21.99749	27.63316	38.33606	56.81759	78.257134	6.917885
4.37	18.93894	22.18585	27.87720	38.69038	57.37057	79.043632	6.976131
4.38	19.09788	22.37589	28.12345	39.04803	57.92896	79.838033	7.034881
4.39	19.25822	22.56761	28.37194	39.40905	58.49282	80.640419	7.094138
4.40	19.41996	22.76104	28.62268	39.77345	59.06221	81.450869	7.153907
4.41	19.58312	22.95619	28.87570	40.14128	59.63717	82.269464	7.214191
4.42	19.74771	23.15307	29.13102	40.51257	60.21777	83.096285	7.274998
4.43	19.91374	23.35169	29.38865	40.88735	60.80406	83.931417	7.336330
4.44	20.08122	23.55209	29.64862	41.26565	61.39609	84.774942	7.398192
4.45	20.25018	23.75426	29.91096	41.64751	61.99393	85.626944	7.460588
4.46	20.42062	23.95823	30.17567	42.03296	62.59763	86.487509	7.523526
4.47	20.59255	24.16402	30.44280	42.42203	63.20724	87.356723	7.587007
4.48	20.76600	24.37163	30.71234	42.81476	63.82282	88.234673	7.651037
4.49	20.94096	24.58109	30.98434	43.21118	64.44444	89.121446	7.715623
4.50	21.11746	24.79241	31.25881	43.61133	65.07216	90.017131	7.780767

Table of $Q(y, 1/4)$ and $S(y)$

$y/1/4$	1.0	0.8	0.6	0.4	0.2	0.0	$S(y)$
4.50	21.11746	24.79241	31.25881	43.61133	65.07216	90.017131	7.780767
4.51	21.29551	25.00562	31.53577	44.01525	65.70602	90.921819	7.846475
4.52	21.47512	25.22072	31.81525	44.42296	66.34610	91.835598	7.912753
4.53	21.65632	25.43773	32.09727	44.83451	66.99246	92.758561	7.979604
4.54	21.83910	25.65667	32.38186	45.24993	67.64515	93.690800	8.047036
4.55	22.02349	25.87757	32.66903	45.66926	68.30423	94.632408	8.115051
4.56	22.20950	26.10043	32.95881	46.09254	68.96978	95.583480	8.183657
4.57	22.39714	26.32527	33.25123	46.51980	69.64186	96.544110	8.252856
4.58	22.58643	26.55212	33.54631	46.95108	70.32052	97.514394	8.322657
4.59	22.77739	26.78099	33.84407	47.38642	71.00584	98.494430	8.393063
4.60	22.97002	27.01189	34.14454	47.82585	71.69788	99.484316	8.464079
4.61	23.16435	27.24485	34.44774	48.26942	72.39670	100.484150	8.535712
4.62	23.36039	27.47989	34.75371	48.71717	73.10238	101.494032	8.607967
4.63	23.55816	27.71702	35.06246	49.16913	73.81497	102.514064	8.680849
4.64	23.75766	27.95627	35.37401	49.62535	74.53455	103.544348	8.754364
4.65	23.95892	28.19765	35.68841	50.08587	75.26119	104.584986	8.828517
4.66	24.16195	28.44118	36.00566	50.55072	75.99496	105.636082	8.903314
4.67	24.36677	28.68688	36.32581	51.01995	76.73592	106.697742	8.978762
4.68	24.57339	28.93477	36.64887	51.49359	77.48415	107.770073	9.054866
4.69	24.78183	29.18487	36.97487	51.97170	78.23972	108.853180	9.131630
4.70	24.99211	29.43721	37.30384	52.45431	79.00269	109.947172	9.209062
4.71	25.20424	29.69179	37.63581	52.94147	79.77316	111.052160	9.287168
4.72	25.41823	29.94865	37.97080	53.43322	80.55117	112.168253	9.365953
4.73	25.63412	30.20780	38.30885	53.92960	81.33683	113.295562	9.445423
4.74	25.85190	30.46926	38.64997	54.43065	82.13018	114.434202	9.525585
4.75	26.07161	30.73306	38.99421	54.93643	82.93132	115.584285	9.606445
4.76	26.29325	30.99921	39.34158	55.44698	83.74032	116.745926	9.688008
4.77	26.51685	31.26774	39.69212	55.96233	84.55726	117.919242	9.770282
4.78	26.74241	31.53866	40.04585	56.48255	85.38221	119.104350	9.853272
4.79	26.96997	31.81201	40.40281	57.00767	86.21525	120.301369	9.936984
4.80	27.19954	32.08780	40.76302	57.53773	87.05647	121.510418	10.021427
4.81	27.43113	32.36605	41.12652	58.07280	87.90594	122.731618	10.106604
4.82	27.66476	32.64678	41.49333	58.61291	88.76375	123.965091	10.192524
4.83	27.90046	32.93003	41.86349	59.15811	89.62997	125.210961	10.279194
4.84	28.13823	33.21581	42.23703	59.70845	90.50469	126.469352	10.366617
4.85	28.37811	33.50414	42.61397	60.26398	91.38800	127.740390	10.454804
4.86	28.62010	33.79505	42.99436	60.82475	92.27997	129.024202	10.543761
4.87	28.86423	34.08856	43.37821	61.39081	93.18070	130.320917	10.633493
4.88	29.11052	34.38470	43.76557	61.96221	94.09027	131.630664	10.724009
4.89	29.35898	34.68348	44.15647	62.53900	95.00876	132.953574	10.815313
4.90	29.60964	34.98494	44.55093	63.12123	95.93627	134.289780	10.907416
4.91	29.86251	35.28910	44.94899	63.70895	96.87288	135.639414	11.000321
4.92	30.11762	35.59597	45.35069	64.30221	97.81869	137.002613	11.094038
4.93	30.37499	35.90559	45.75606	64.90108	98.77378	138.379512	11.188573
4.94	30.63462	36.21799	46.16513	65.50560	99.73824	139.770250	11.283936
4.95	30.89656	36.53318	46.57793	66.11582	100.71217	141.174964	11.380130
4.96	31.16081	36.85119	46.99451	66.73179	101.69566	142.593796	11.477165
4.97	31.42740	37.17205	47.41489	67.35359	102.68880	144.026887	11.575048
4.98	31.69634	37.49578	47.83911	67.98125	103.69170	145.474382	11.673787
4.99	31.96767	37.82241	48.26721	68.61484	104.70444	146.936423	11.773388
5.00	32.24139	38.15197	48.69922	69.25440	105.72712	148.413159	11.873861

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	0.0	0.1	0.2	0.3	0.4	0.5	$T(y)$
3.00	3.35589	3.58550	3.83009	4.08937	4.36287	4.64991	2.220663
3.01	3.37819	3.60976	3.85646	4.11801	4.39393	4.68355	2.239490
3.02	3.40068	3.63422	3.88305	4.14688	4.42525	4.71748	2.258466
3.03	3.42336	3.65889	3.90986	4.17600	4.45684	4.75169	2.277591
3.04	3.44623	3.68377	3.93690	4.20536	4.48869	4.78619	2.296866
3.05	3.46930	3.70885	3.96417	4.23497	4.52080	4.82099	2.316294
3.06	3.49256	3.73415	3.99166	4.26483	4.55319	4.85607	2.335875
3.07	3.51601	3.75966	4.01939	4.29494	4.58585	4.89145	2.355611
3.08	3.53967	3.78538	4.04734	4.32530	4.61878	4.92713	2.375504
3.09	3.56352	3.81132	4.07554	4.35591	4.65199	4.96311	2.395555
3.10	3.58758	3.83748	4.10396	4.38678	4.68548	4.99939	2.415765
3.11	3.61184	3.86386	4.13263	4.41791	4.71925	5.03597	2.436136
3.12	3.63630	3.89046	4.16154	4.44930	4.75331	5.07287	2.456669
3.13	3.66097	3.91729	4.19069	4.48096	4.78765	5.11007	2.477366
3.14	3.68585	3.94433	4.22008	4.51288	4.82227	5.14759	2.498229
3.15	3.71094	3.97161	4.24973	4.54507	4.85719	5.18542	2.519259
3.16	3.73624	3.99912	4.27962	4.57752	4.89240	5.22357	2.540458
3.17	3.76175	4.02685	4.30976	4.61025	4.92791	5.26204	2.561827
3.18	3.78747	4.05482	4.34015	4.64326	4.96372	5.30084	2.583368
3.19	3.81342	4.08302	4.37079	4.67654	4.99982	5.33996	2.605082
3.20	3.83958	4.11146	4.40170	4.71010	5.03623	5.37941	2.626971
3.21	3.86596	4.14014	4.43286	4.74394	5.07294	5.41919	2.649038
3.22	3.89256	4.16906	4.46428	4.77806	5.10997	5.45931	2.671281
3.23	3.91938	4.19822	4.49597	4.81247	5.14730	5.49977	2.693705
3.24	3.94643	4.22762	4.52792	4.84717	5.18494	5.54056	2.716310
3.25	3.97371	4.25727	4.56014	4.88216	5.22291	5.58170	2.739099
3.26	4.00122	4.28717	4.59263	4.91744	5.26119	5.62318	2.762073
3.27	4.02895	4.31732	4.62539	4.95302	5.29979	5.66502	2.785234
3.28	4.05692	4.34772	4.65843	4.98889	5.33871	5.70720	2.808583
3.29	4.08512	4.37838	4.69174	5.02507	5.37797	5.74975	2.832122
3.30	4.11356	4.40929	4.72533	5.06155	5.41755	5.79264	2.855853
3.31	4.14224	4.44046	4.75920	5.09833	5.45746	5.83590	2.879777
3.32	4.17116	4.47189	4.79335	5.13542	5.49771	5.87953	2.903897
3.33	4.20032	4.50359	4.82779	5.17282	5.53830	5.92352	2.928214
3.34	4.22973	4.53555	4.86252	5.21054	5.57922	5.96788	2.952730
3.35	4.25938	4.56777	4.89754	5.24857	5.62049	6.01262	2.977447
3.36	4.28927	4.60027	4.93285	5.28692	5.66211	6.05773	3.002367
3.37	4.31942	4.63304	4.96846	5.32559	5.70408	6.10322	3.027491
3.38	4.34983	4.66608	5.00436	5.36459	5.74640	6.14909	3.052821
3.39	4.38048	4.69940	5.04057	5.40391	5.78907	6.19535	3.078360
3.40	4.41139	4.73300	5.07707	5.44356	5.83210	6.24200	3.104109
3.41	4.44256	4.76687	5.11389	5.48355	5.87549	6.28905	3.130070
3.42	4.47400	4.80103	5.15101	5.52386	5.91925	6.33649	3.156244
3.43	4.50569	4.83548	5.18844	5.56452	5.96338	6.38433	3.182635
3.44	4.53765	4.87022	5.22618	5.60552	6.00787	6.43257	3.209244
3.45	4.56988	4.90524	5.26424	5.64686	6.05274	6.48122	3.236075
3.46	4.60237	4.94056	5.30262	5.68854	6.09799	6.53027	3.263122
3.47	4.63514	4.97617	5.34132	5.73058	6.14361	6.57975	3.290396
3.48	4.66818	5.01208	5.38034	5.77297	6.18962	6.62964	3.317896
3.49	4.70150	5.04829	5.41969	5.81571	6.23602	6.67994	3.345623
3.50	4.73509	5.08480	5.45937	5.85881	6.28281	6.73068	3.373581

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	0.0	0.1	0.2	0.3	0.4	0.5	$T(y)$
3.50	4.73509	5.08480	5.45937	5.85881	6.28281	6.73068	3.373581
3.51	4.76897	5.12162	5.49938	5.90227	6.32998	6.78184	3.401771
3.52	4.80313	5.15874	5.53972	5.94610	6.37756	6.83343	3.430195
3.53	4.83757	5.19618	5.58041	5.99029	6.42554	6.88546	3.458855
3.54	4.87231	5.23393	5.62143	6.03486	6.47391	6.93793	3.487753
3.55	4.90733	5.27199	5.66280	6.07980	6.52270	6.99084	3.516892
3.56	4.94265	5.31037	5.70451	6.12511	6.57189	7.04419	3.546273
3.57	4.97826	5.34908	5.74657	6.17080	6.62150	7.09800	3.575900
3.58	5.01416	5.38810	5.78898	6.21688	6.67153	7.15226	3.605773
3.59	5.05037	5.42746	5.83175	6.26335	6.72198	7.20698	3.635896
3.60	5.08688	5.46714	5.87488	6.31020	6.77285	7.26216	3.666270
3.61	5.12370	5.50715	5.91836	6.35745	6.82415	7.31780	3.696898
3.62	5.16082	5.54750	5.96221	6.40509	6.87588	7.37392	3.727782
3.63	5.19826	5.58818	6.00643	6.45313	6.92804	7.43051	3.758924
3.64	5.23600	5.62921	6.05102	6.50158	6.98065	7.48757	3.790327
3.65	5.27406	5.67057	6.09598	6.55043	7.03370	7.54512	3.821993
3.66	5.31244	5.71229	6.14132	6.59970	7.08719	7.60316	3.853925
3.67	5.35114	5.75435	6.18704	6.64937	7.14114	7.66168	3.886123
3.68	5.39017	5.79676	6.23314	6.69946	7.19554	7.72070	3.918593
3.69	5.42951	5.83953	6.27962	6.74998	7.25039	7.78022	3.951334
3.70	5.46919	5.88266	6.32650	6.80092	7.30571	7.84025	3.984350
3.71	5.50920	5.92614	6.37377	6.85228	7.36150	7.90078	4.017645
3.72	5.54955	5.97000	6.42143	6.90408	7.41775	7.96182	4.051219
3.73	5.59023	6.01421	6.46950	6.95631	7.47448	8.02338	4.085075
3.74	5.63125	6.05880	6.51796	7.00898	7.53169	8.08545	4.119216
3.75	5.67261	6.10376	6.56684	7.06210	7.58938	8.14806	4.153645
3.76	5.71432	6.14910	6.61612	7.11566	7.64756	8.21119	4.188364
3.77	5.75638	6.19481	6.66581	7.16967	7.70622	8.27486	4.223375
3.78	5.79879	6.24091	6.71593	7.22413	7.76538	8.33907	4.258682
3.79	5.84156	6.28740	6.76646	7.27905	7.82504	8.40382	4.294287
3.80	5.88468	6.33427	6.81742	7.33444	7.88521	8.46911	4.330192
3.81	5.92816	6.38154	6.86880	7.39029	7.94588	8.53497	4.366400
3.82	5.97201	6.42920	6.92062	7.44661	8.00706	8.60138	4.402914
3.83	6.01622	6.47726	6.97287	7.50340	8.06876	8.66835	4.439737
3.84	6.06080	6.52572	7.02555	7.56067	8.13098	8.73589	4.476871
3.85	6.10576	6.57459	7.07869	7.61842	8.19372	8.80400	4.514320
3.86	6.15109	6.62387	7.13226	7.67666	8.25700	8.87269	4.552086
3.87	6.19680	6.67356	7.18629	7.73539	8.32081	8.94196	4.590171
3.88	6.24290	6.72367	7.24077	7.79461	8.38516	9.01182	4.628579
3.89	6.28937	6.77420	7.29571	7.85434	8.45005	9.08227	4.667313
3.90	6.33624	6.82515	7.35110	7.91456	8.51549	9.15331	4.706374
3.91	6.38350	6.87653	7.40697	7.97529	8.58148	9.22496	4.745768
3.92	6.43116	6.92833	7.46330	8.03654	8.64803	9.29722	4.785496
3.93	6.47921	6.98058	7.52011	8.09830	8.71515	9.37010	4.825561
3.94	6.52767	7.03326	7.57739	8.16058	8.78283	9.44359	4.865966
3.95	6.57653	7.08638	7.63516	8.22338	8.85108	9.51770	4.906714
3.96	6.62581	7.13995	7.69341	8.28672	8.91991	9.59244	4.947809
3.97	6.67549	7.19397	7.75215	8.35059	8.98932	9.66782	4.989253
3.98	6.72559	7.24844	7.81139	8.41500	9.05932	9.74384	5.031050
3.99	6.77611	7.30337	7.87112	8.47995	9.12992	9.82050	5.073203
4.00	6.82706	7.35876	7.93135	8.54545	9.20111	9.89782	5.115715

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	0.0	0.1	0.2	0.3	0.4	0.5	$T(y)$
4.00	6.82706	7.35876	7.93135	8.54545	9.20111	9.89782	5.115715
4.01	6.87843	7.41461	7.99210	8.61150	9.27290	9.97579	5.158588
4.02	6.93023	7.47094	8.05335	8.67811	9.34530	10.05443	5.201827
4.03	6.98247	7.52773	8.11512	8.74528	9.41831	10.13373	5.245434
4.04	7.03514	7.58501	8.17741	8.81301	9.49195	10.21371	5.289413
4.05	7.08826	7.64276	8.24022	8.88132	9.56620	10.29437	5.333768
4.06	7.14182	7.70100	8.30356	8.95021	9.64109	10.37571	5.378501
4.07	7.19583	7.75973	8.36744	9.01968	9.71661	10.45775	5.423616
4.08	7.25029	7.81895	8.43185	9.08973	9.79277	10.54048	5.469115
4.09	7.30521	7.87867	8.49681	9.16038	9.86957	10.62392	5.515003
4.10	7.36059	7.93889	8.56231	9.23163	9.94703	10.70807	5.561284
4.11	7.41644	7.99962	8.62837	9.30347	10.02514	10.79293	5.607960
4.12	7.47275	8.06086	8.69498	9.37593	10.10392	10.87852	5.655036
4.13	7.52954	8.12262	8.76216	9.44899	10.18336	10.96484	5.702513
4.14	7.58680	8.18489	8.82990	9.52268	10.26348	11.05189	5.750397
4.15	7.64455	8.24769	8.89821	9.59699	10.34428	11.13968	5.798691
4.16	7.70278	8.31101	8.96710	9.67192	10.42576	11.22822	5.847399
4.17	7.76150	8.37487	9.03657	9.74749	10.50794	11.31752	5.896523
4.18	7.82071	8.43927	9.10662	9.82370	10.59081	11.40758	5.946069
4.19	7.88042	8.50421	9.17727	9.90056	10.67439	11.49840	5.996038
4.20	7.94063	8.56969	9.24851	9.97806	10.75868	11.59000	6.046437
4.21	8.00135	8.63573	9.32036	10.05622	10.84369	11.68239	6.097267
4.22	8.06258	8.70233	9.39281	10.13505	10.92941	11.77556	6.148534
4.23	8.12432	8.76948	9.46587	10.21454	11.01587	11.86952	6.200240
4.24	8.18659	8.83720	9.53956	10.29471	11.10306	11.96429	6.252390
4.25	8.24937	8.90549	9.61386	10.37555	11.19099	12.05986	6.304988
4.26	8.31269	8.97436	9.68879	10.45708	11.27967	12.15625	6.358038
4.27	8.37654	9.04381	9.76435	10.53930	11.36911	12.25347	6.411544
4.28	8.44092	9.11384	9.84056	10.62222	11.45930	12.35151	6.465508
4.29	8.50585	9.18446	9.91741	10.70584	11.55026	12.45040	6.519938
4.30	8.57132	9.25568	9.99490	10.79017	11.64200	12.55012	6.574836
4.31	8.63735	9.32751	10.07306	10.87522	11.73452	12.65070	6.630204
4.32	8.70393	9.39993	10.15187	10.96099	11.82783	12.75214	6.686050
4.33	8.77107	9.47297	10.23135	11.04748	11.92193	12.85445	6.742376
4.34	8.83878	9.54663	10.31151	11.13471	12.01683	12.95763	6.799188
4.35	8.90705	9.62090	10.39234	11.22269	12.11254	13.06169	6.856488
4.36	8.97591	9.69581	10.47386	11.31140	12.20907	13.16665	6.914282
4.37	9.04534	9.77134	10.55607	11.40088	12.30642	13.27250	6.972574
4.38	9.11536	9.84752	10.63897	11.49111	12.40459	13.37926	7.031368
4.39	9.18597	9.92434	10.72258	11.58211	12.50361	13.48693	7.090670
4.40	9.25718	10.00181	10.80689	11.67388	12.60347	13.59553	7.150482
4.41	9.32898	10.07993	10.89192	11.76643	12.70418	13.70505	7.210810
4.42	9.40139	10.15871	10.97767	11.85977	12.80576	13.81551	7.271659
4.43	9.47442	10.23816	11.06415	11.95390	12.90819	13.92692	7.333033
4.44	9.54806	10.31829	11.15136	12.04884	13.01151	14.03928	7.394936
4.45	9.62232	10.39909	11.23931	12.14458	13.11570	14.15261	7.457374
4.46	9.69721	10.48057	11.32801	12.24114	13.22079	14.26690	7.520352
4.47	9.77273	10.56274	11.41746	12.33851	13.32677	14.38218	7.583873
4.48	9.84888	10.64561	11.50767	12.43672	13.43366	14.49844	7.647943
4.49	9.92569	10.72918	11.59864	12.53576	13.54146	14.61571	7.712568
4.50	10.00314	10.81346	11.69039	12.63565	13.65018	14.73397	7.777750

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	0.0	0.1	0.2	0.3	0.4	0.5	$T(y)$
4.50	10.00314	10.81346	11.69039	12.63565	13.65018	14.73397	7.777750
4.51	10.08124	10.89845	11.78291	12.73639	13.75983	14.85326	7.843496
4.52	10.16001	10.98417	11.87622	12.83798	13.87042	14.97356	7.909811
4.53	10.23944	11.07060	11.97033	12.94045	13.98195	15.09490	7.976699
4.54	10.31955	11.15778	12.06523	13.04378	14.09444	15.21728	8.044167
4.55	10.40033	11.24569	12.16094	13.14800	14.20789	15.34071	8.112219
4.56	10.48179	11.33434	12.25747	13.25310	14.32231	15.46520	8.180859
4.57	10.56395	11.42375	12.35481	13.35910	14.43771	15.59076	8.250094
4.58	10.64680	11.51392	12.45299	13.46601	14.55410	15.71740	8.319929
4.59	10.73035	11.60485	12.55200	13.57382	14.67148	15.84513	8.390369
4.60	10.81461	11.69655	12.65185	13.68256	14.78987	15.97395	8.461419
4.61	10.89958	11.78903	12.75255	13.79222	14.90927	16.10388	8.533085
4.62	10.98527	11.88230	12.85410	13.90283	15.02970	16.23493	8.605373
4.63	11.07169	11.97635	12.95653	14.01437	15.15116	16.36711	8.678287
4.64	11.15884	12.07121	13.05982	14.12687	15.27365	16.50042	8.751832
4.65	11.24673	12.16687	13.16399	14.24033	15.39720	16.63488	8.826018
4.66	11.33536	12.26335	13.26905	14.35476	15.52181	16.77050	8.900847
4.67	11.42474	12.36064	13.37501	14.47016	15.64748	16.90728	8.976325
4.68	11.51489	12.45876	13.48187	14.58656	15.77424	17.04524	9.052459
4.69	11.60580	12.55772	13.58964	14.70394	15.90208	17.18439	9.129254
4.70	11.69748	12.65752	13.69833	14.82233	16.03101	17.32474	9.206716
4.71	11.78993	12.75816	13.80794	14.94174	16.16106	17.46630	9.284851
4.72	11.88317	12.85967	13.91849	15.06216	16.29222	17.60907	9.363664
4.73	11.97721	12.96203	14.02999	15.18362	16.42450	17.75308	9.443163
4.74	12.07204	13.06527	14.14243	15.30611	16.55792	17.89832	9.523352
4.75	12.16768	13.16939	14.25584	15.42966	16.69249	18.04482	9.604240
4.76	12.26413	13.27439	14.37021	15.55426	16.82821	18.19258	9.685831
4.77	12.36140	13.38028	14.48556	15.67993	16.96510	18.34162	9.768131
4.78	12.45949	13.48708	14.60189	15.80667	17.10317	18.49194	9.851148
4.79	12.55842	13.59479	14.71922	15.93450	17.24242	18.64356	9.934886
4.80	12.65819	13.70341	14.83754	16.06342	17.38287	18.79648	10.019355
4.81	12.75881	13.81297	14.95688	16.19345	17.52452	18.95073	10.104558
4.82	12.86029	13.92345	15.07724	16.32460	17.66740	19.10630	10.190503
4.83	12.96262	14.03488	15.19863	16.45687	17.81150	19.26322	10.277198
4.84	13.06583	14.14726	15.32106	16.59027	17.95684	19.42150	10.364646
4.85	13.16992	14.26059	15.44453	16.72482	18.10344	19.58114	10.452858
4.86	13.27489	14.37489	15.56906	16.86052	18.25129	19.74216	10.541838
4.87	13.38076	14.49017	15.69466	16.99738	18.40042	19.90457	10.631594
4.88	13.48753	14.60643	15.82133	17.13542	18.55083	20.06838	10.722133
4.89	13.59520	14.72369	15.94908	17.27464	18.70254	20.23361	10.813461
4.90	13.70380	14.84194	16.07793	17.41506	18.85555	20.40027	10.905586
4.91	13.81332	14.96120	16.20787	17.55669	19.00988	20.56837	10.998514
4.92	13.92377	15.08149	16.33894	17.69953	19.16554	20.73792	11.092254
4.93	14.03517	15.20280	16.47112	17.84360	19.32254	20.90894	11.186810
4.94	14.14751	15.32515	16.60444	17.98890	19.48090	21.08144	11.282194
4.95	14.26081	15.44854	16.73890	18.13546	19.64062	21.25543	11.378410
4.96	14.37508	15.57299	16.87451	18.28327	19.80172	21.43093	11.475466
4.97	14.49033	15.69850	17.01128	18.43236	19.96421	21.60794	11.573370
4.98	14.60655	15.82508	17.14923	18.58272	20.12810	21.78649	11.672129
4.99	14.72377	15.95275	17.28836	18.73438	20.29340	21.96658	11.771751
5.00	14.84199	16.08151	17.42868	18.88735	20.46013	22.14824	11.872244

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	0.5	0.6	0.7	0.8	0.9	1.0	$T(y)$
3.00	4.64991	4.94960	5.26087	5.58245	5.91290	6.25067	2.220663
3.01	4.68355	4.98598	5.30014	5.62475	5.95836	6.29939	2.239490
3.02	4.71748	5.02268	5.33975	5.66741	6.00420	6.34853	2.258466
3.03	4.75169	5.05968	5.37969	5.71043	6.05043	6.39810	2.277591
3.04	4.78619	5.09699	5.41997	5.75382	6.09706	6.44809	2.296866
3.05	4.82099	5.13462	5.46058	5.79757	6.14409	6.49851	2.316294
3.06	4.85607	5.17256	5.50155	5.84170	6.19152	6.54936	2.335875
3.07	4.89145	5.21083	5.54286	5.88620	6.23935	6.60065	2.355611
3.08	4.92713	5.24942	5.58452	5.93109	6.28760	6.65238	2.375504
3.09	4.96311	5.28833	5.62653	5.97635	6.33625	6.70455	2.395555
3.10	4.99939	5.32757	5.66890	6.02200	6.38533	6.75717	2.415765
3.11	5.03597	5.36715	5.71163	6.06804	6.43482	6.81025	2.436136
3.12	5.07287	5.40706	5.75472	6.11447	6.48473	6.86378	2.456669
3.13	5.11007	5.44730	5.79817	6.16129	6.53507	6.91777	2.477366
3.14	5.14759	5.48789	5.84199	6.20851	6.58585	6.97223	2.498229
3.15	5.18542	5.52881	5.88619	6.25614	6.63705	7.02715	2.519259
3.16	5.22357	5.57008	5.93076	6.30417	6.68870	7.08255	2.540458
3.17	5.26204	5.61170	5.97570	6.35261	6.74078	7.13842	2.561827
3.18	5.30084	5.65368	6.02103	6.40146	6.79332	7.19477	2.583368
3.19	5.33996	5.69600	6.06674	6.45073	6.84630	7.25161	2.605082
3.20	5.37941	5.73869	6.11284	6.50041	6.89973	7.30894	2.626971
3.21	5.41919	5.78173	6.15933	6.55052	6.95363	7.36676	2.649038
3.22	5.45931	5.82514	6.20621	6.60106	7.00798	7.42508	2.671281
3.23	5.49977	5.86891	6.25349	6.65203	7.06280	7.48390	2.693705
3.24	5.54056	5.91305	6.30117	6.70343	7.11809	7.54322	2.716310
3.25	5.58170	5.95757	6.34926	6.75527	7.17385	7.60306	2.739099
3.26	5.62318	6.00246	6.39775	6.80755	7.23009	7.66341	2.762073
3.27	5.66502	6.04773	6.44666	6.86027	7.28681	7.72428	2.785234
3.28	5.70720	6.09338	6.49598	6.91345	7.34401	7.78568	2.808583
3.29	5.74975	6.13942	6.54571	6.96708	7.40171	7.84761	2.832122
3.30	5.79264	6.18585	6.59587	7.02116	7.45990	7.91006	2.855853
3.31	5.83590	6.23267	6.64646	7.07571	7.51859	7.97306	2.879777
3.32	5.87953	6.27988	6.69747	7.13072	7.57778	8.03660	2.903897
3.33	5.92352	6.32750	6.74892	7.18620	7.63748	8.10068	2.928214
3.34	5.96788	6.37551	6.80080	7.24215	7.69769	8.16532	2.952730
3.35	6.01262	6.42393	6.85313	7.29858	7.75842	8.23052	2.977447
3.36	6.05773	6.47276	6.90589	7.35549	7.81966	8.29628	3.002367
3.37	6.10322	6.52201	6.95911	7.41289	7.88144	8.36260	3.027491
3.38	6.14909	6.57167	7.01278	7.47078	7.94374	8.42950	3.052821
3.39	6.19535	6.62175	7.06690	7.52916	8.00657	8.49697	3.078360
3.40	6.24200	6.67225	7.12148	7.58804	8.06995	8.56503	3.104109
3.41	6.28905	6.72318	7.17653	7.64742	8.13387	8.63367	3.130070
3.42	6.33649	6.77454	7.23204	7.70730	8.19834	8.70290	3.156244
3.43	6.38433	6.82633	7.28803	7.76770	8.26336	8.77273	3.182635
3.44	6.43257	6.87857	7.34449	7.82862	8.32894	8.84317	3.209244
3.45	6.48122	6.93124	7.40143	7.89005	8.39508	8.91421	3.236075
3.46	6.53027	6.98436	7.45885	7.95201	8.46179	8.98587	3.263122
3.47	6.57975	7.03793	7.51677	8.01450	8.52907	9.05814	3.290396
3.48	6.62964	7.09196	7.57517	8.07752	8.59693	9.13104	3.317896
3.49	6.67994	7.14644	7.63407	8.14108	8.66537	9.20457	3.345623
3.50	6.73068	7.20138	7.69347	8.20519	8.73440	9.27873	3.373581

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	0.5	0.6	0.7	0.8	0.9	1.0	$T(y)$
3.50	6.73068	7.20138	7.69347	8.20519	8.73440	9.27873	3.373581
3.51	6.78184	7.25678	7.75338	8.26984	8.80402	9.35353	3.401771
3.52	6.83343	7.31266	7.81380	8.33504	8.87425	9.42898	3.430195
3.53	6.88546	7.36901	7.87473	8.40080	8.94507	9.50508	3.458855
3.54	6.93793	7.42583	7.93618	8.46712	9.01650	9.58184	3.487753
3.55	6.99084	7.48314	7.99815	8.53402	9.08855	9.65927	3.516892
3.56	7.04419	7.54093	8.06065	8.60148	9.16122	9.73736	3.546273
3.57	7.09800	7.59922	8.12368	8.66952	9.23451	9.81612	3.575900
3.58	7.15226	7.65799	8.18724	8.73814	9.30843	9.89557	3.605773
3.59	7.20698	7.71727	8.25135	8.80735	9.38299	9.97571	3.635896
3.60	7.26216	7.77704	8.31601	8.87715	9.45819	10.05654	3.666270
3.61	7.31780	7.83733	8.38121	8.94755	9.53404	10.13806	3.696898
3.62	7.37392	7.89812	8.44697	9.01855	9.61053	10.22030	3.727782
3.63	7.43051	7.95943	8.51329	9.09015	9.68769	10.30324	3.758924
3.64	7.48757	8.02126	8.58018	9.16238	9.76551	10.38690	3.790327
3.65	7.54512	8.08361	8.64763	9.23522	9.84400	10.47129	3.821993
3.66	7.60316	8.14650	8.71566	9.30868	9.92317	10.55641	3.853925
3.67	7.66168	8.20991	8.78427	9.38277	10.00302	10.64226	3.886123
3.68	7.72070	8.27387	8.85347	9.45750	10.08356	10.72886	3.918593
3.69	7.78022	8.33837	8.92325	9.53287	10.16479	10.81621	3.951334
3.70	7.84025	8.40341	8.99363	9.60888	10.24672	10.90431	3.984350
3.71	7.90078	8.46901	9.06461	9.68555	10.32935	10.99318	4.017645
3.72	7.96182	8.53516	9.13620	9.76287	10.41270	11.08282	4.051219
3.73	8.02338	8.60188	9.20840	9.84086	10.49677	11.17324	4.085075
3.74	8.08545	8.66916	9.28121	9.91951	10.58156	11.26444	4.119216
3.75	8.14806	8.73702	9.35464	9.99884	10.66708	11.35643	4.153645
3.76	8.21119	8.80545	9.42870	10.07885	10.75334	11.44921	4.188364
3.77	8.27486	8.87446	9.50340	10.15955	10.84035	11.54281	4.223375
3.78	8.33907	8.94406	9.57873	10.24094	10.92810	11.63721	4.258682
3.79	8.40382	9.01425	9.65470	10.32303	11.01662	11.73243	4.294287
3.80	8.46911	9.08504	9.73133	10.40582	11.10589	11.82848	4.330192
3.81	8.53497	9.15643	9.80860	10.48932	11.19594	11.92537	4.366400
3.82	8.60138	9.22842	9.88654	10.57355	11.28676	12.02309	4.402914
3.83	8.66835	9.30103	9.96515	10.65849	11.37837	12.12167	4.439737
3.84	8.73589	9.37426	10.04442	10.74416	11.47077	12.22109	4.476871
3.85	8.80400	9.44811	10.12438	10.83057	11.56397	12.32139	4.514320
3.86	8.87269	9.52259	10.20501	10.91773	11.65797	12.42255	4.552086
3.87	8.94196	9.59770	10.28634	11.00563	11.75279	12.52459	4.590171
3.88	9.01182	9.67345	10.36836	11.09428	11.84842	12.62752	4.628579
3.89	9.08227	9.74985	10.45109	11.18370	11.94488	12.73134	4.667313
3.90	9.15331	9.82690	10.53452	11.27389	12.04218	12.83607	4.706374
3.91	9.22496	9.90460	10.61867	11.36486	12.14031	12.94171	4.745768
3.92	9.29722	9.98297	10.70354	11.45660	12.23930	13.04826	4.785496
3.93	9.37010	10.06200	10.78913	11.54914	12.33914	13.15574	4.825561
3.94	9.44359	10.14171	10.87546	11.64247	12.43984	13.26416	4.865966
3.95	9.51770	10.22210	10.96252	11.73661	12.54142	13.37352	4.906714
3.96	9.59244	10.30317	11.05033	11.83155	12.64387	13.48383	4.947809
3.97	9.66782	10.38494	11.13890	11.92732	12.74722	13.59510	4.989253
3.98	9.74384	10.46740	11.22822	12.02390	12.85145	13.70734	5.031050
3.99	9.82050	10.55056	11.31831	12.12132	12.95659	13.82056	5.073203
4.00	9.89782	10.63444	11.40917	12.21958	13.06264	13.93476	5.115715

Table of $R(y, \varphi)$ and $T(y)$

$y \varphi$	0.5	0.6	0.7	0.8	0.9	1.0	$T(y)$
4.00	9.89782	10.63444	11.40917	12.21958	13.06264	13.93476	5.115715
4.01	9.97579	10.71903	11.50081	12.31869	13.16961	14.04995	5.158588
4.02	10.05443	10.80434	11.59324	12.41865	13.27750	14.16615	5.201827
4.03	10.13373	10.89038	11.68645	12.51947	13.38633	14.28336	5.245434
4.04	10.21371	10.97716	11.78047	12.62116	13.49610	14.40160	5.289413
4.05	10.29437	11.06468	11.87530	12.72373	13.60683	14.52086	5.33768
4.06	10.37571	11.15294	11.97094	12.82718	13.71851	14.64116	5.378501
4.07	10.45775	11.24196	12.06740	12.93153	13.83116	14.76252	5.423616
4.08	10.54048	11.33174	12.16468	13.03677	13.94479	14.88492	5.469115
4.09	10.62392	11.42228	12.26281	13.14292	14.05940	15.00840	5.515003
4.10	10.70807	11.51360	12.36177	13.24999	14.17501	15.13295	5.561284
4.11	10.79293	11.60571	12.46159	13.35799	14.29162	15.25859	5.607960
4.12	10.87852	11.69859	12.56226	13.46691	14.40925	15.38533	5.655036
4.13	10.96484	11.79228	12.66380	13.57678	14.52789	15.51317	5.702513
4.14	11.05189	11.88676	12.76621	13.68759	14.64756	15.64213	5.750397
4.15	11.13968	11.98206	12.86950	13.79936	14.76828	15.77221	5.798691
4.16	11.22822	12.07816	12.97368	13.91210	14.89004	15.90343	5.847399
4.17	11.31752	12.17510	13.07875	14.02581	15.01286	16.03580	5.896523
4.18	11.40758	12.27286	13.18473	14.14051	15.13674	16.16932	5.946069
4.19	11.49840	12.37145	13.29162	14.25619	15.26171	16.30400	5.996038
4.20	11.59000	12.47090	13.39943	14.37288	15.38775	16.43987	6.046437
4.21	11.68239	12.57119	13.50817	14.49058	15.51490	16.57692	6.097267
4.22	11.77556	12.67235	13.61784	14.60929	15.64315	16.71516	6.148534
4.23	11.86952	12.77437	13.72846	14.72903	15.77251	16.85462	6.200240
4.24	11.96429	12.87726	13.84003	14.84980	15.90300	16.99530	6.252390
4.25	12.05986	12.98104	13.95256	14.97162	16.03462	17.13720	6.304988
4.26	12.15625	13.08571	14.06606	15.09450	16.16739	17.28035	6.358038
4.27	12.25347	13.19127	14.18054	15.21844	16.30131	17.42474	6.411544
4.28	12.35151	13.29774	14.29600	15.34345	16.43640	17.57041	6.465508
4.29	12.45040	13.40512	14.41246	15.46955	16.57267	17.71734	6.519938
4.30	12.55012	13.51343	14.52992	15.59673	16.71012	17.86556	6.574836
4.31	12.65070	13.62266	14.64840	15.72502	16.84877	18.01508	6.630204
4.32	12.75214	13.73283	14.76790	15.85442	16.98862	18.16591	6.686050
4.33	12.85445	13.84395	14.88842	15.98494	17.12970	18.31806	6.742376
4.34	12.95763	13.95602	15.00999	16.11660	17.27200	18.47154	6.799188
4.35	13.06169	14.06906	15.13261	16.24939	17.41554	18.62636	6.856488
4.36	13.16665	14.18306	15.25628	16.38333	17.56033	18.78254	6.914282
4.37	13.27250	14.29805	15.38102	16.51844	17.70639	18.94009	6.972574
4.38	13.37926	14.41402	15.50684	16.65472	17.85371	19.09902	7.031368
4.39	13.48693	14.53099	15.63375	16.79218	18.00233	19.25934	7.090670
4.40	13.59553	14.64897	15.76175	16.93084	18.15223	19.42107	7.150482
4.41	13.70505	14.76796	15.89086	17.07069	18.30345	19.58421	7.210810
4.42	13.81551	14.88797	16.02108	17.21176	18.45598	19.74879	7.271659
4.43	13.92692	15.00902	16.15242	17.35406	18.60985	19.91480	7.333033
4.44	14.03928	15.13110	16.28491	17.49759	18.76506	20.08228	7.394936
4.45	14.15261	15.25424	16.41853	17.64237	18.92162	20.25122	7.457374
4.46	14.26690	15.37844	16.55331	17.78840	19.07955	20.42165	7.520352
4.47	14.38218	15.50370	16.68926	17.93571	19.23886	20.59357	7.583873
4.48	14.49844	15.63005	16.82639	18.08429	19.39956	20.76700	7.647943
4.49	14.61571	15.75748	16.96470	18.23417	19.56166	20.94195	7.712568
4.50	14.73397	15.88601	17.10420	18.38534	19.72518	21.11844	7.777750

Table of $R(y, \varphi)$ and $T(y)$

$y \backslash \varphi$	0.5	0.6	0.7	0.8	0.9	1.0	$T(y)$
4.50	14.73397	15.88601	17.10420	18.38534	19.72518	21.11844	7.777750
4.51	14.85326	16.01565	17.24491	18.53784	19.89013	21.29648	7.843496
4.52	14.97356	16.14641	17.38685	18.69165	20.05651	21.47608	7.909811
4.53	15.09490	16.27829	17.53001	18.84681	20.22436	21.65726	9.976699
4.54	15.21728	16.41131	17.67440	19.00332	20.39367	21.84003	8.044167
4.55	15.34071	16.54547	17.82005	19.16118	20.56446	22.02441	8.112219
4.56	15.46520	16.68079	17.96696	19.32042	20.73674	22.21041	8.180859
4.57	15.59076	16.81728	18.11515	19.48105	20.91053	22.39804	8.250094
4.58	15.71740	16.95495	18.26462	19.64308	21.08584	22.58732	8.319929
4.59	15.84513	17.09380	18.41538	19.80651	21.26268	22.77827	8.390369
4.60	15.97395	17.23386	18.56745	19.97137	21.44107	22.97089	8.461419
4.61	16.10388	17.37512	18.72084	20.13766	21.62103	23.16521	8.533085
4.62	16.23493	17.51760	18.87555	20.30541	21.80255	23.36124	8.605373
4.63	16.36711	17.66131	19.03161	20.47461	21.98567	23.55899	8.678287
4.64	16.50042	17.80626	19.18903	20.64529	22.17039	23.75849	8.751832
4.65	16.63488	17.95247	19.34780	20.81746	22.35673	23.95974	8.826018
4.66	16.77050	18.09994	19.50796	20.99112	22.54470	24.16276	8.900847
4.67	16.90728	18.24868	19.66951	21.16631	22.73432	24.36757	8.976325
4.68	17.04524	18.39870	19.83246	21.34301	22.92559	24.57418	9.052459
4.69	17.18439	18.55003	19.99682	21.52126	23.11855	24.78261	9.129254
4.70	17.32474	18.70266	20.16261	21.70107	23.31319	24.99288	9.206716
4.71	17.46630	18.85661	20.32984	21.88244	23.50954	25.20500	9.284851
4.72	17.60907	19.01190	20.49852	22.06540	23.70762	25.41899	9.363664
4.73	17.75308	19.16852	20.66867	22.24995	23.90743	25.63486	9.443163
4.74	17.89832	19.32651	20.84030	22.43611	24.10899	25.85264	9.523352
4.75	18.04482	19.48586	21.01341	22.62390	24.31232	26.07233	9.604240
4.76	18.19258	19.64658	21.18804	22.81333	24.51744	26.29397	9.685831
4.77	18.34162	19.80870	21.36418	23.00442	24.72435	26.51755	9.768131
4.78	18.49194	19.97223	21.54185	23.19717	24.93308	26.74311	9.851148
4.79	18.64356	20.13717	21.72107	23.39160	25.14364	26.97066	9.934686
4.80	18.79648	20.30354	21.90185	23.58774	25.35605	27.20022	10.019355
4.81	18.95073	20.47135	22.08420	23.78559	25.57033	27.43180	10.104558
4.82	19.10630	20.64061	22.26814	23.98517	25.78649	27.66543	10.190503
4.83	19.26322	20.81134	22.45367	24.18649	26.00455	27.90112	10.277198
4.84	19.42150	20.98355	22.64083	24.38958	26.22452	28.13889	10.364646
4.85	19.58114	21.15726	22.82961	24.59444	26.44642	28.37875	10.452858
4.86	19.74216	21.33247	23.02003	24.80109	26.67028	28.62074	10.541838
4.87	19.90457	21.50920	23.21212	25.00955	26.89610	28.86486	10.631594
4.88	20.06838	21.68746	23.40588	25.21983	27.12391	29.11114	10.722133
4.89	20.23361	21.86727	23.60132	25.43196	27.35372	29.35960	10.813461
4.90	20.40027	22.04864	23.79847	25.64594	27.58555	29.61025	10.905586
4.91	20.56837	22.23158	23.99734	25.86179	27.81942	29.86311	10.998514
4.92	20.73792	22.41611	24.19794	26.07954	28.05535	30.11822	11.092254
4.93	20.90894	22.60225	24.40029	26.29919	28.29336	30.37557	11.186810
4.94	21.08144	22.79000	24.60441	26.52077	28.53345	30.63520	11.282194
4.95	21.25543	22.97938	24.81030	26.74428	28.77567	30.89713	11.378410
4.96	21.43093	23.17041	25.01800	26.96976	29.02001	31.16137	11.475466
4.97	21.60794	23.36310	25.22750	27.19721	29.26650	31.42795	11.573370
4.98	21.78649	23.55746	25.43883	27.42665	29.51517	31.69689	11.672129
4.99	21.96658	23.75351	25.65201	27.65811	29.76602	31.96821	11.771751
5.00	22.14824	23.95126	25.86704	27.89159	30.01909	32.24193	11.872244

Table of $\mathcal{R}(y, \frac{1}{q})$ and $\mathcal{J}(y)$

$y/\frac{1}{q}$	1.0	0.8	0.6	0.4	0.2	0.0	$\mathcal{J}(y)$
3.00	6.25067	7.11611	8.56545	11.14990	15.33268	20.085537	2.220663
3.01	6.29939	7.17340	8.63762	11.24995	15.48002	20.287400	2.239490
3.02	6.34853	7.23119	8.71044	11.35093	15.62880	20.491292	2.258466
3.03	6.39810	7.28948	8.78392	11.45284	15.77903	20.697233	2.277591
3.04	6.44809	7.34828	8.85804	11.55571	15.93072	20.905244	2.296866
3.05	6.49851	7.40759	8.93283	11.65953	16.08389	21.115344	2.316294
3.06	6.54936	7.46742	9.00829	11.76431	16.23855	21.327557	2.335875
3.07	6.60065	7.52777	9.08442	11.87007	16.39473	21.541903	2.355611
3.08	6.65238	7.58865	9.16123	11.97681	16.55242	21.758402	2.375504
3.09	6.70455	7.65006	9.23873	12.08454	16.71165	21.977078	2.395555
3.10	6.75717	7.71200	9.31691	12.19327	16.87243	22.197951	2.415765
3.11	6.81025	7.77448	9.39580	12.30302	17.03478	22.421044	2.436136
3.12	6.86378	7.83751	9.47539	12.41378	17.19872	22.646380	2.456669
3.13	6.91777	7.90109	9.55570	12.52557	17.36425	22.873980	2.477366
3.14	6.97223	7.96522	9.63672	12.63840	17.53140	23.103867	2.498229
3.15	7.02715	8.02991	9.71846	12.75229	17.70017	23.336065	2.519259
3.16	7.08255	8.09517	9.80094	12.86723	17.87059	23.570596	2.540458
3.17	7.13842	8.16100	9.88415	12.98324	18.04268	23.807484	2.561827
3.18	7.19477	8.22740	9.96811	13.10032	18.21644	24.046754	2.583368
3.19	7.25161	8.29437	10.05282	13.21850	18.39189	24.288427	2.605082
3.20	7.30894	8.36194	10.13828	13.33778	18.56906	24.532530	2.626971
3.21	7.36676	8.43009	10.22451	13.45816	18.74796	24.779086	2.649038
3.22	7.42508	8.49884	10.31151	13.57967	18.92860	25.028120	2.671281
3.23	7.48390	8.56819	10.39929	13.70230	19.11100	25.279657	2.693705
3.24	7.54322	8.63815	10.48786	13.82608	19.29518	25.533722	2.716310
3.25	7.60306	8.70871	10.57721	13.95101	19.48116	25.790340	2.739099
3.26	7.66341	8.77989	10.66737	14.07710	19.66895	26.049537	2.762073
3.27	7.72428	8.85170	10.75833	14.20436	19.85857	26.311339	2.785234
3.28	7.78568	8.92413	10.85011	14.33281	20.05005	26.575773	2.808583
3.29	7.84761	8.99719	10.94271	14.46246	20.24339	26.842864	2.832122
3.30	7.91006	9.07090	11.03614	14.59331	20.43862	27.112639	2.855853
3.31	7.97306	9.14524	11.13041	14.72538	20.63575	27.385125	2.879777
3.32	8.03660	9.22024	11.22551	14.85868	20.83481	27.660351	2.903897
3.33	8.10068	9.29589	11.32148	14.99322	21.03581	27.938342	2.928214
3.34	8.16532	9.37221	11.41830	15.12901	21.23877	28.219127	2.952730
3.35	8.23052	9.44919	11.51598	15.26607	21.44371	28.502734	2.977447
3.36	8.29628	9.52684	11.61455	15.40441	21.65065	28.789191	3.002367
3.37	8.36260	9.60517	11.71399	15.54403	21.85961	29.078527	3.027491
3.38	8.42950	9.68419	11.81433	15.68495	22.07061	29.370771	3.052821
3.39	8.49697	9.76390	11.91557	15.82719	22.28367	29.665952	3.078360
3.40	8.56503	9.84431	12.01771	15.97075	22.49881	29.964100	3.104109
3.41	8.63367	9.92542	12.12077	16.11565	22.71605	30.265244	3.130070
3.42	8.70290	10.00724	12.22475	16.26190	22.93541	30.569415	3.156244
3.43	8.77273	10.08978	12.32967	16.40951	23.15691	30.876643	3.182635
3.44	8.84317	10.17304	12.43553	16.55850	23.38057	31.186958	3.209244
3.45	8.91421	10.25703	12.54233	16.70888	23.60642	31.500392	3.236075
3.46	8.98587	10.34176	12.65010	16.86066	23.83447	31.816977	3.263122
3.47	9.05814	10.42722	12.75883	17.01385	24.06475	32.136742	3.290396
3.48	9.13104	10.51344	12.86853	17.16848	24.29727	32.459722	3.317896
3.49	9.20457	10.60041	12.97922	17.32454	24.53207	32.785948	3.345623
3.50	9.27873	10.68814	13.09091	17.48206	24.76916	33.115452	3.373581

Table of $R(y, \frac{1}{4})$ and $T(y)$

$y \frac{1}{4}$	1.0	0.8	0.6	0.4	0.2	0.0	$T(y)$
3.50	9.27873	10.68814	13.09091	17.48206	24.76916	33.115452	3.373581
3.51	9.35353	10.77665	13.20360	17.64105	25.00857	33.448268	3.401771
3.52	9.42898	10.86592	13.31729	17.80152	25.25031	33.784428	3.430195
3.53	9.50508	10.95599	13.43201	17.96349	25.49441	34.123968	3.458855
3.54	9.58184	11.04684	13.54776	18.12697	25.74090	34.466919	3.487753
3.55	9.65927	11.13848	13.66455	18.29197	25.98980	34.813317	3.516892
3.56	9.73736	11.23093	13.78239	18.45852	26.24112	35.163197	3.546273
3.57	9.81612	11.32419	13.90129	18.62662	26.49491	35.516593	3.575900
3.58	9.89557	11.41827	14.02125	18.79628	26.75117	35.873541	3.605773
3.59	9.97571	11.51318	14.14229	18.96753	27.00993	36.234076	3.635896
3.60	10.05654	11.60892	14.26442	19.14038	27.27122	36.598234	3.666270
3.61	10.13806	11.70549	14.38765	19.31485	27.53506	36.966053	3.696898
3.62	10.22030	11.80292	14.51198	19.49094	27.80148	37.337568	3.727782
3.63	10.30324	11.90120	14.63744	19.66867	28.07051	37.712817	3.758924
3.64	10.38690	12.00035	14.76402	19.84807	28.34216	38.091837	3.790327
3.65	10.47129	12.10036	14.89173	20.02914	28.61647	38.474666	3.821993
3.66	10.55641	12.20125	15.02060	20.21190	28.89346	38.861343	3.853925
3.67	10.64226	12.30303	15.15063	20.39636	29.17315	39.251906	3.886123
3.68	10.72886	12.40571	15.28182	20.58255	29.45558	39.646394	3.918593
3.69	10.81621	12.50928	15.41420	20.77048	29.74076	40.044847	3.951334
3.70	10.90431	12.61377	15.54777	20.96017	30.02874	40.447304	3.984350
3.71	10.99318	12.71917	15.68253	21.15163	30.31952	40.853807	4.017645
3.72	11.08282	12.82551	15.81852	21.34487	30.61315	41.264394	4.051219
3.73	11.17324	12.93277	15.95572	21.53993	30.90965	41.679108	4.085075
3.74	11.26444	13.04098	16.09416	21.73680	31.20905	42.097990	4.119216
3.75	11.35643	13.15014	16.23385	21.93552	31.51138	42.521082	4.153645
3.76	11.44921	13.26026	16.37479	22.13609	31.81666	42.948426	4.188364
3.77	11.54281	13.37135	16.51701	22.33854	32.12492	43.380065	4.223375
3.78	11.63721	13.48342	16.66050	22.54288	32.43620	43.816042	4.258682
3.79	11.73243	13.59647	16.80529	22.74913	32.75052	44.256400	4.294287
3.80	11.82848	13.71052	16.95138	22.95730	33.06791	44.701184	4.330192
3.81	11.92537	13.82558	17.09879	23.16743	33.38841	45.150439	4.366400
3.82	12.02309	13.94164	17.24752	23.37952	33.71204	45.604208	4.402914
3.83	12.12167	14.05873	17.39760	23.59359	34.03883	46.062538	4.439737
3.84	12.22109	14.17685	17.54903	23.80967	34.36882	46.525474	4.476871
3.85	12.32139	14.29601	17.70182	24.02777	34.70204	46.993063	4.514320
3.86	12.42255	14.41622	17.85600	24.24791	35.03851	47.465351	4.552086
3.87	12.52459	14.53748	18.01156	24.47010	35.37828	47.942386	4.590171
3.88	12.62752	14.65982	18.16852	24.69438	35.72136	48.424215	4.628579
3.89	12.73134	14.78324	18.32690	24.92076	36.06781	48.910887	4.667313
3.90	12.83607	14.90774	18.48671	25.14925	36.41764	49.402449	4.706374
3.91	12.94171	15.03334	18.64796	25.37988	36.77089	49.898952	4.745768
3.92	13.04826	15.16005	18.81067	25.61267	37.12760	50.400445	4.785496
3.93	13.15574	15.28787	18.97484	25.84764	37.48780	50.906978	4.825561
3.94	13.26416	15.41683	19.14050	26.08481	37.85152	51.418601	4.865966
3.95	13.37352	15.54692	19.30765	26.32420	38.21880	51.935367	4.906714
3.96	13.48383	15.67815	19.47630	26.56583	38.58967	52.457326	4.947809
3.97	13.59510	15.81055	19.64649	26.80973	38.96417	52.984531	4.989253
3.98	13.70734	15.94412	19.81820	27.05591	39.34234	53.517034	5.031050
3.99	13.82056	16.07886	19.99147	27.30439	39.72420	54.054889	5.073203
4.00	13.93476	16.21479	20.16631	27.55520	40.10980	54.598150	5.115715

Table of $R(y, 1/p)$ and $T(y)$

$y/4$	1.0	0.8	0.6	0.4	0.2	0.0	$T(y)$
4.00	13.93476	16.21479	20.16631	27.55520	40.10980	54.598150	5.115715
4.01	14.04995	16.35193	20.34272	27.80836	40.49917	55.146871	5.158588
4.02	14.16615	16.49027	20.52073	28.06389	40.89236	55.701106	5.201827
4.03	14.28336	16.62984	20.70034	28.32182	41.28939	56.260911	5.245434
4.04	14.40160	16.77064	20.88158	28.58216	41.69030	56.826343	5.289413
4.05	14.52086	16.91268	21.06446	28.84495	42.09514	57.397457	5.333768
4.06	14.64116	17.05598	21.24899	29.11019	42.50394	57.974311	5.378501
4.07	14.76252	17.20054	21.43518	29.37792	42.91674	58.556963	5.423616
4.08	14.88492	17.34639	21.62306	29.64816	43.33358	59.145470	5.469115
4.09	15.00840	17.49352	21.81264	29.92094	43.75450	59.739892	5.515003
4.10	15.13295	17.64195	22.00394	30.19627	44.17954	60.340288	5.561284
4.11	15.25859	17.79170	22.19696	30.47418	44.60875	60.946718	5.607960
4.12	15.38533	17.94277	22.39173	30.75470	45.04215	61.559242	5.655036
4.13	15.51317	18.09518	22.58826	31.03784	45.47979	62.177923	5.702513
4.14	15.64213	18.24893	22.78657	31.32365	45.92172	62.802821	5.750397
4.15	15.77221	18.40405	22.98668	31.61213	46.36798	63.434000	5.798691
4.16	15.90343	18.56054	23.18859	31.90332	46.81860	64.071523	5.847399
4.17	16.03580	18.71841	23.39233	32.19724	47.27364	64.715452	5.896523
4.18	16.16932	18.87768	23.59792	32.49392	47.73313	65.365853	5.946069
4.19	16.30400	19.03836	23.80537	32.79338	48.19712	66.022791	5.996038
4.20	16.43987	19.20046	24.01469	33.09565	48.66565	66.686331	6.046437
4.21	16.57692	19.36400	24.22592	33.40076	49.13877	67.356540	6.097267
4.22	16.71516	19.52899	24.43905	33.70873	49.61653	68.033484	6.148534
4.23	16.85462	19.69544	24.65411	34.01959	50.09896	68.717232	6.200240
4.24	16.99530	19.86337	24.87113	34.33336	50.58612	69.407852	6.252390
4.25	17.13720	20.03278	25.09011	34.65009	51.07804	70.105412	6.304988
4.26	17.28035	20.20370	25.31107	34.96978	51.57479	70.809983	6.358038
4.27	17.42474	20.37613	25.53404	35.29248	52.07640	71.521636	6.411544
4.28	17.57041	20.55008	25.75902	35.61820	52.58292	72.240440	6.465508
4.29	17.71734	20.72559	25.98605	35.94699	53.09440	72.966468	6.519938
4.30	17.86556	20.90264	26.21513	36.27886	53.61090	73.699794	6.574836
4.31	18.01508	21.08127	26.44629	36.61385	54.13245	74.440489	6.630204
4.32	18.16591	21.26148	26.67955	36.95198	54.65911	75.188628	6.686050
4.33	18.31806	21.44330	26.91492	37.29329	55.19093	75.944287	6.742376
4.34	18.47154	21.62672	27.15243	37.63781	55.72796	76.707539	6.799188
4.35	18.62636	21.81177	27.39209	37.98556	56.27026	77.478463	6.856488
4.36	18.78254	21.99847	27.63393	38.33658	56.81786	78.257134	6.914282
4.37	18.94009	22.18682	27.87796	38.69090	57.37083	79.043632	6.972574
4.38	19.09902	22.37685	28.12420	39.04855	57.92922	79.838033	7.031368
4.39	19.25934	22.56856	28.37268	39.40955	58.49308	80.640419	7.090670
4.40	19.42107	22.76198	28.62342	39.77395	59.06246	81.450869	7.150482
4.41	19.58421	22.95711	28.87643	40.14178	59.63742	82.269464	7.210810
4.42	19.74879	23.15398	29.13173	40.51306	60.21802	83.096285	7.271659
4.43	19.91480	23.35260	29.38936	40.88783	60.80430	83.931417	7.333033
4.44	20.08228	23.55298	29.64932	41.26613	61.39634	84.774942	7.394936
4.45	20.25122	23.75514	29.91165	41.64798	61.99417	85.626944	7.457374
4.46	20.42165	23.95910	30.17636	42.03342	62.59786	86.487509	7.520352
4.47	20.59357	24.16488	30.44347	42.42249	63.20747	87.356723	7.583873
4.48	20.76700	24.37248	30.71301	42.81521	63.82305	88.234673	7.647943
4.49	20.94195	24.58193	30.98500	43.21163	64.44467	89.121446	7.712568
4.50	21.11844	24.79324	31.25946	43.61178	65.07238	90.017131	7.777750

Table of $R(y, \frac{1}{\rho})$ and $T(y)$

y/ρ	1.0	0.8	0.6	0.4	0.2	0.0	$T(y)$
4.50	21.11844	24.79324	31.25946	43.61178	65.07238	90.017131	7.777750
4.51	21.29648	25.00644	31.53641	44.01569	65.70624	90.921819	7.843496
4.52	21.47608	25.22153	31.81589	44.42340	66.34632	91.835598	7.909811
4.53	21.65726	25.43853	32.09790	44.83494	66.99257	92.758561	7.976699
4.54	21.84003	25.65746	32.38248	45.25036	67.64536	93.690800	8.044167
4.55	22.02441	25.87835	32.66964	45.66968	68.30444	94.632408	8.112219
4.56	22.21041	26.10120	32.95942	46.09295	68.96999	95.583480	8.180859
4.57	22.39804	26.32603	33.25183	46.52021	69.64206	96.544110	8.250094
4.58	22.58732	26.55287	33.54690	46.95148	70.32073	97.514394	8.319929
4.59	22.77827	26.78173	33.84465	47.38682	71.00604	98.494430	8.390369
4.60	22.97089	27.01263	34.14512	47.82625	71.69808	99.484316	8.461419
4.61	23.16521	27.24558	34.44831	48.26981	72.39690	100.484150	8.533085
4.62	23.36124	27.48061	34.75427	48.71756	73.10257	101.494032	8.605373
4.63	23.55899	27.71773	35.06301	49.16952	73.81516	102.514064	8.678287
4.64	23.75849	27.95697	35.37456	49.62573	74.53474	103.544348	8.751832
4.65	23.95974	28.19834	35.68895	50.08624	75.26138	104.584986	8.826018
4.66	24.16276	28.44186	36.00620	50.55108	75.99514	105.636082	8.900847
4.67	24.36757	28.68755	36.32634	51.02031	76.73610	106.697742	8.976325
4.68	24.57418	28.93544	36.64939	51.49395	77.48433	107.770073	9.052459
4.69	24.78261	29.18553	36.97539	51.97205	78.23989	108.853180	9.129254
4.70	24.99288	29.43786	37.30436	52.45466	79.00287	109.947172	9.206716
4.71	25.20500	29.69244	37.63632	52.94182	79.77333	111.052160	9.284851
4.72	25.41899	29.94929	37.97130	53.43356	80.55135	112.168253	9.363664
4.73	25.63486	30.20843	38.30934	53.92994	81.33700	113.295562	9.443163
4.74	25.85264	30.46988	38.65046	54.43099	82.13035	114.434202	9.523352
4.75	26.07233	30.73367	38.99469	54.93676	82.93149	115.584285	9.604240
4.76	26.29397	30.99982	39.34206	55.44730	83.74049	116.745926	9.685831
4.77	26.51755	31.26834	39.69259	55.96266	84.55742	117.919242	9.768131
4.78	26.74311	31.53926	40.04632	56.48287	85.38237	119.104350	9.851148
4.79	26.97066	31.81259	40.40327	57.00798	86.21541	120.301369	9.934886
4.80	27.20022	32.08837	40.76348	57.53804	87.05663	121.510418	10.019355
4.81	27.43180	32.36662	41.12697	58.07310	87.90610	122.731618	10.104558
4.82	27.66543	32.64735	41.49378	58.61321	88.76390	123.965091	10.190503
4.83	27.90112	32.93059	41.86393	59.15841	89.63012	125.210961	10.277198
4.84	28.13889	33.21636	42.23746	59.70874	90.50484	126.469352	10.364646
4.85	28.37875	33.50469	42.61440	60.26427	91.38815	127.740390	10.452858
4.86	28.62074	33.79559	42.99478	60.82504	92.28012	129.024202	10.541838
4.87	28.86486	34.08910	43.37863	61.39110	93.18085	130.320917	10.631594
4.88	29.11114	34.38522	43.76599	61.96249	94.09041	131.630664	10.722133
4.89	29.35960	34.68400	44.15687	62.53928	95.00890	132.953574	10.813461
4.90	29.61025	34.98546	44.55133	63.12150	95.93641	134.289780	10.905586
4.91	29.86311	35.28960	44.94939	63.70922	96.87302	135.639414	10.998514
4.92	30.11822	35.59647	45.35109	64.30248	97.81882	137.002613	11.092254
4.93	30.37557	35.90609	45.75645	64.90135	98.77391	138.379512	11.186810
4.94	30.63520	36.21848	46.16551	65.50586	99.73837	129.770250	11.282194
4.95	30.89713	36.53366	46.57831	66.11608	100.71230	141.174964	11.378410
4.96	31.16137	36.85167	46.99488	66.73205	101.69579	142.593796	11.475466
4.97	31.42795	37.17252	47.41526	67.35384	102.68893	144.026887	11.573370
4.98	31.69689	37.49625	47.83948	67.98150	103.69182	145.474382	11.672129
4.99	31.96821	37.82288	48.26757	68.61508	104.70456	146.936423	11.771751
5.00	32.24193	38.15243	48.69958	69.25465	105.72724	148.413159	11.872244

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