琉球大学学術リポジトリ

10桁のベッセル函数の数表

メタデータ	言語: 出版者: 琉球大学理工学部 公開日: 2012-03-22 キーワード (Ja): キーワード (En): 作成者: 伊波, 直朗, Imai, Tadao メールアドレス: 所属:
URL	http://hdl.handle.net/20.500.12000/23927

47.51	4.4162704318-002	48.01	-1.2472957255-002	48.51	-6.5485079172-002	49.01	-1.0200924376-001	49.51	-1.1332391482-001
47.52	4.3086036122-002	48.02	-1.3615556467-002	48.52	-6.6414860950-002	49.02	-1.0250209789-001	49.52	-1.1326431243-001
47.53	4.2005288322-002	48.03	-1.4756557118-002	48.53	-6.7337813172-002	49.03	-1.0298460647-001	49.53	-1.1319340284-001
47.54	4.0920569529-002	48.04	-1.5895845255-002	48.54	-6.8253844870-002	49.04	-1.0345672404-001	49.54	-1.1311119423-001
47.55	3.9831989242-002	48.05	-1.7033307702-002	48.55	-6.9162866434-002	49.05	-1.0391840491-001	49.55	-1.1301769580-001
47.56	3.8739656836-002	48.06	-1.8168830924-002	48.56	-7.0064787933-002	49.06	-1.0436960544-001	49.56	-1.1291292240-001
47.57	3.7643682302-002	48.07	-1.9302302051-002	48.57	-7.0959521070-002	49.07	-1.0481028242-001	49.57	-1.1279688293-001
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47.59	3.5441247948-002	48.09	-2.1562636821-002	48.59	-7.2727071187-002	49.09	-1.0565989978-001	49.59	-1.1253106810-001
47.60	3.4335009726-002	48.10	-2.2689275635-002	48.60	-7.3599714579-002	49.10	-1.0606875948-001	49.60	-1.1238132453-001
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47.62	3.2113047176-002	48.12	-2.4934935732-002	48.62	-7.5322309789-002	49.12	-1.0685438718-001	49.62	-1.1204824670-001
47.63	3.0997546089-002	48.13	-2.6053733730-002	48.63	-7.6172092544-002	49.13	-1.0723108157-001	49.63	-1.1186495213-001
47.64	2.9879181173-002	48.14	-2.7169695449-002	48.64	-7.7014087528-002	49.14	-1.0759698164-001	49.64	-1.1167051376-001
47.65	2.8758064688-002	48.15	-2.8282709816-002	48.65	-7.7848212030-002	49.15	-1.0795205311-001	49.65	-1.1146495410-001
47.66	2.7634309210-002	48.16	-2.9392666266-002	48.66	-7.8674384250-002	49.16	-1.0829626310-001	49.66	-1.1124829311-001
47.67	2.6508027656-002	48.17	-3.0499454734-002	48.67	-7.9492523797-002	49.17	-1.0862957845-001	49.67	-1.1102055771-001
47.68	2.5379333034-002	48.18	-3.1602965040-002	48.68	-8.0302550069-002	49.18	-1.0895196936-001	49.68	-1.1078177255-001
47.69	2.4248338507-002	48.19	-3.2703087818-002	48.69	-8.1104384088-002	49.19	-1.0926340502-001	49.69	-1.1053196211-001
47.70	2.3115157628-002	48.20	-3.3799713780-002	48.70	-8.1897947218-002	49.20	-1.0956385690-001	49.70	-1.1027115417-001
47.71	2.1979904024-002	48.21	-3.4892734069-002	48.71	-8.2683162040-002	49.21	-1.0985329709-001	49.71	-1.0999937800-001
47.72	2.0842691607-002	48.22	-3.5982040257-002	48.72	-8.3459951850-002	49.22	-1.1013169819-001	49.72	-1.0971666129-001
47.73	1.9703634438-002	48.23	-3.7067524416-002	48.73	-8.4228240424-002	49.23	-1.1039903646-001	49.73	-1.0942303621-001
47.74	1.8562846498-002	48.24	-3.8149078824-002	48.74	-8.4987953266-002	49.24	-1.1065528579-001	49.74	-1.0911853316-001
47.75	1.7420442278-002	48.25	-3.9226596062-002	48.75	-8.5739015907-002	49.25	-1.1090042274-001	49.75	-1.0880318489-001
47.76	1.6276536171-002	48.26	-4.0299969583-002	48.76	-8.6481355010-002	49.26	-1.1113442672-001	49.76	-1.0847702518-001
47.77	1.5131242818-002	48.27	-4.1369092830-002	48.77	-8.7214898637-002	49.27	-1.1135727390-001	49.77	-1.0814008929-001
47.78	1.3984676850-002	48.28	-4.2433859960-002	48.78	-8.7939574830-002	49.28	-1.1156894861-001	49.78	-1.0779241267-001
47.79	1.2836953214-002	48.29	-4.3494165487-002	48.79	-8.8655313188-002	49.29	-1.1176942754-001	49.79	-1.0743403158-001
47.80	1.1688186696-002	48.30	-4.4549904496-002	48.80	-8.9362044055-002	49.30	-1.1195869500-001	49.80	-1.0706498451-001
47.81	1.0538492204-002	48.31	-4.5600972213-002	48.81	-9.0059698613-002	49.31	-1.1213673305-001	49.81	-1.0668531127-001
47.82	9.3879650057-003	48.32	-4.6647264895-002	48.82	-9.0748209171-002	49.32	-1.1230352888-001	49.82	-1.0629505106-001
47.83	8.2367800260-003	48.33	-4.7688678754-002	48.83	-9.1427508665-002	49.33	-1.1245906532-001	49.83	-1.0589424459-001
47.84	7.0849925418-003	48.34	-4.8725110819-002	48.84	-9.2097531112-002	49.34	-1.1260333025-001	49.84	-1.0548293529-001
47.85	5.9327376297-003	48.35	-4.9756458747-002	48.85	-9.2758211526-002	49.35	-1.1273631117-001	49.85	-1.0506116503-001
47.86	4.7801305857-003	48.36	-5.0782620264-002	48.86	-9.3409485715-002	49.36	-1.1285799771-001	49.86	-1.0462897856-001
47.87	3.6272866370-003	48.37	-5.1803494170-002	48.87	-9.4051290732-002	49.37	-1.1296838039-001	49.87	-1.0418642173-001
47.88	2.4743209236-003	48.38	-5.2818979544-002	48.88	-9.4683564191-002	49.38	-1.1306744944-001	49.88	-1.0373353994-001
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47.91	-9.8415471877-004	48.41	-5.5832103532-002	48.91	-9.6522588658-002	49.41	-1.1329670670-001	49.91	-1.0231342530-001
47.92	-2.1364555833-003	48.42	-5.6825036794-002	48.92	-9.7116134032-002	49.42	-1.1335045662-001	49.92	-1.0181972853-001
47.93	-3.2883024430-003	48.43	-5.7812085706-002	48.93	-9.7699851329-002	49.43	-1.1339286664-001	49.93	-1.0131595373-001
47.94	-4.4395803781-003	48.44	-5.8793152699-002	48.94	-9.8273684776-002	49.44	-1.1342393535-001	49.94	-1.0080215370-001
47.95	-5.5901744622-003	48.45	-5.9768140912-002	48.95	-9.8837578741-002	49.45	-1.1344366482-001	49.95	-1.0027838120-001
47.96	-6.7399699374-003	48.46	-6.0736954362-002	48.96	-9.9391478768-002	49.46	-1.1345204458-001	49.96	-9.9744690796-002
47.97	-7.8888520390-003	48.47	-6.1699497565-002	48.97	-9.9935331680-002	49.47	-1.1344909683-001	49.97	-9.9201137943-002
47.98	-9.0367061086-003	48.48	-6.2655675451-002	48.98	-1.0046908553-001	49.48	-1.1343480781-001	49.98	-9.8647778730-002
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48.00	-1.1328873033-002	48.50	-6.4548559629-002	49.00	-1.0150609131-001	49.50	-1.1337219874-001	50.00	-9.7511870989-002

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50.02	-9.6357437942-002	50.52	-5.6118463014-002	51.02	-2.6286351660-003	51.52	5.0979726608-002	52.02	9.1653456278-002
50.03	-9.5735924966-002	50.53	-5.5138046233-002	51.03	-1.5117209611-003	51.53	5.1959883625-002	52.03	9.2259531617-002
50.04	-9.5124963878-002	50.54	-5.4152312565-002	51.04	-3.9487449362-004	51.54	5.2934656803-002	52.04	9.2856268990-002
50.05	-9.4504616724-002	50.55	-5.3161361151-002	51.05	7.2179251373-004	51.55	5.3903950049-002	52.05	9.3443610284-002
50.06	-9.3874947997-002	50.56	-5.2165292631-002	51.06	1.8381686786-003	51.56	5.4867667590-002	52.06	9.4021498822-002
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50.08	-9.2587905372-002	50.58	-5.0158205346-002	51.08	4.0696026395-003	51.58	5.6777994699-002	52.08	9.5148694704-002
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50.10	-9.1264364927-002	50.60	-4.8131860771-002	51.10	6.2985363001-003	51.60	5.8664883791-002	52.10	9.6237421257-002
50.11	-9.0589077161-002	50.61	-4.7111722026-002	51.11	7.4117872850-003	51.61	5.9599305845-002	52.11	9.6767226453-002
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50.14	-8.8509978035-002	50.64	-4.4024675837-002	51.14	1.0745345161-002	51.64	6.2365377863-002	52.14	9.8297799532-002
50.15	-8.7799436355-002	50.65	-4.2987129240-002	51.15	1.1854096708-002	51.65	6.3274700709-002	52.15	9.8788212701-002
50.16	-8.7080260906-002	50.66	-4.1945491022-002	51.16	1.2961446599-002	51.66	6.4177523156-002	52.16	9.9268658180-002
50.17	-8.6352525100-002	50.67	-4.0899865763-002	51.17	1.4067284444-002	51.67	6.5073756197-002	52.17	9.9739088982-002
50.18	-8.5616303349-002	50.68	-3.9850358969-002	51.18	1.5171500402-002	51.68	6.5963311343-002	52.18	1.0019946064-001
50.19	-8.4871671230-002	50.69	-3.8797076192-002	51.19	1.6273983980-002	51.69	6.6846101460-002	52.19	1.0064972840-001
50.20	-8.4118704346-002	50.70	-3.7740123423-002	51.20	1.7374625763-002	51.70	6.7722039188-002	52.20	1.0108984973-001
50.21	-8.3357479973-002	50.71	-3.6679606942-002	51.21	1.8473315926-002	51.71	6.8591038826-002	52.21	1.0151978318-001
50.22	-8.2588075441-002	50.72	-3.5615633428-002	51.22	1.9569945121-002	51.72	6.9453014323-002	52.22	1.0193948675-001
50.23	-8.1810569658-002	50.73	-3.4548309903-002	51.23	2.0664404175-002	51.73	7.0307881297-002	52.23	1.0234892047-001
50.24	-8.1025041665-002	50.74	-3.3477743563-002	51.24	2.1756584245-002	51.74	7.1155555740-002	52.24	1.0274804599-001
50.25	-8.0231571589-002	50.75	-3.2404042193-002	51.25	2.2846376525-002	51.75	7.1995954133-002	52.25	1.0313682506-001
50.26	-7.9430240472-002	50.76	-3.1327313505-002	51.26	2.3933672733-002	51.76	7.2828993786-002	52.26	1.0351522110-001
50.27	-7.8621129509-002	50.77	-3.0247665608-002	51.27	2.5018364560-002	51.77	7.3654593289-002	52.27	1.0388319762-001
50.28	-7.7804321361-002	50.78	-2.9165207304-002	51.28	2.6100344326-002	51.78	7.4472671543-002	52.28	1.0424072129-001
50.29	-7.6979899233-002	50.79	-2.8080046871-002	51.29	2.7179504260-002	51.79	7.5283147863-002	52.29	1.0458775670-001
50.30	-7.6147946751-002	50.80	-2.6992293565-002	51.30	2.8255737230-002	51.80	7.6085942991-002	52.30	1.0492427188-001
50.31	-7.5308548749-002	50.81	-2.5902056452-002	51.31	2.9328936173-002	51.81	7.6880978323-002	52.31	1.0525023502-001
50.32	-7.4461790567-002	50.82	-2.4809444997-002	51.32	3.0398994613-002	51.82	7.7668175698-002	52.32	1.0556561631-001
50.33	-7.3607758164-002	50.83	-2.3714568681-002	51.33	3.1465805988-002	51.83	7.8447458257-002	52.33	1.0587038539-001
50.34	-7.2746538302-002	50.84	-2.2617537459-002	51.34	3.2529264625-002	51.84	7.9218749171-002	52.34	1.0616451421-001
50.35	-7.1878218612-002	50.85	-2.1518461526-002	51.35	3.3589264794-002	51.85	7.9981973589-002	52.35	1.0644797524-001
50.36	-7.1002887200-002	50.86	-2.0417450814-002	51.36	3.4645701133-002	51.86	8.0737056141-002	52.36	1.0672074276-001
50.37	-7.0120632714-002	50.87	-1.9314615818-002	51.37	3.5698469007-002	51.87	8.1483923378-002	52.37	1.0698279091-001
50.38	-6.9231544944-002	50.88	-1.8210067074-002	51.38	3.6747463822-002	51.88	8.2222502073-002	52.38	1.0723409535-001
50.39	-6.8335713893-002	50.89	-1.7103915432-002	51.39	3.7792581630-002	51.89	8.2952720015-002	52.39	1.0747463421-001
50.40	-6.7433230366-002	50.90	-1.5996271471-002	51.40	3.8833718467-002	51.90	8.3674505870-002	52.40	1.0770438410-001
50.41	-6.6524186046-002	50.91	-1.4887246176-002	51.41	3.9870771341-002	51.91	8.4387789380-002	52.41	1.0792332447-001
50.42	-6.5608672883-002	50.92	-1.3776950866-002	51.42	4.0903637486-002	51.92	8.5092500835-002	52.42	1.0813143649-001
50.43	-6.4686783735-002	50.93	-1.2665496468-002	51.43	4.1932214291-002	51.93	8.5788571134-002	52.43	1.0832870037-001
50.44	-6.3758611821-002	50.94	-1.1552994349-002	51.44	4.2956399922-002	51.94	8.6475932761-002	52.44	1.0851509868-001
50.45	-6.2824251483-002	50.95	-1.0439555913-002	51.45	4.3976092900-002	51.95	8.7154518624-002	52.45	1.0869061534-001
50.46	-6.1883796948-002	50.96	-9.3252926201-003	51.46	4.4991192222-002	51.96	8.7824262257-002	52.46	1.0885523501-001
50.47	-6.0937343334-002	50.97	-8.2103157297-003	51.47	4.6001597467-002	51.97	8.8485099024-002	52.47	1.0900894185-001
50.48	-5.9984986651-002	50.98	-7.0947370013-003	51.48	4.7007208416-002	51.98	8.9136964246-002	52.48	1.0915172371-001
50.49	-5.9026823177-002	50.99	-5.9786680540-003	51.49	4.8007925559-002	51.99	8.9779794819-002	52.49	1.0928356854-001
50.50	-5.8062949614-002	51.00	-4.8622202036-003	51.50	4.9003649963-002	52.00	9.0413527929-002	52.50	1.0940446575-001

BESSEL FUNCTION EVALUATION N= 1

52,51	1,0951440280-001	53,01	1,0113898786-001	53,51	6,8204497453-002	54,01	1,8960712697-002	54,51	-3,4448611847-002
52,52	1,0961337508-001	53,02	1,0070236567-001	53,52	6,7343631639-002	54,02	1,7889195030-002	54,52	-3,5467878191-002
52,53	1,0970137085-001	53,03	1,0025575966-001	53,53	6,6476195309-002	54,03	1,6816087516-002	54,53	-3,6483412349-002
52,54	1,0977838517-001	53,04	9,9799217051-002	53,54	6,5602276423-002	54,04	1,5741497663-002	54,54	-3,7495113589-002
52,55	1,0984441261-001	53,05	9,9332785427-002	53,55	6,4721963279-002	54,05	1,4665533322-002	54,55	-3,8502881443-002
52,56	1,0989944448-001	53,06	9,8856512955-002	53,56	6,3835345461-002	54,06	1,3588302020-002	54,56	-3,9506615936-002
52,57	1,0994348549-001	53,07	9,8370448635-002	53,57	6,2942512427-002	54,07	1,2509911772-002	54,57	-4,0506217617-002
52,58	1,0997652722-001	53,08	9,7874643921-002	53,58	6,2043554645-002	54,08	1,1430470503-002	54,58	-4,1501587244-002
52,59	1,0999857161-001	53,09	9,7369149295-002	53,59	6,1138563133-002	54,09	1,0350086278-002	54,59	-4,2492626131-002
52,60	1,1000961936-001	53,10	9,6854017433-002	53,60	6,0227629292-002	54,10	9,2688672470-003	54,60	-4,3479236150-002
52,61	1,1000966601-001	53,11	9,6329301868-002	53,61	5,9310845368-002	54,11	8,1869214622-003	54,61	-4,4461319321-002
52,62	1,0999870737-001	53,12	9,5795056305-002	53,62	5,8388303916-002	54,12	7,1043574432-003	54,62	-4,5438778488-002
52,63	1,0997676657-001	53,13	9,5251336063-002	53,63	5,7460098392-002	54,13	6,0212832509-003	54,63	-4,6411517048-002
52,64	1,0994383894-001	53,14	9,4698197460-002	53,64	5,6526322461-002	54,14	4,9378072203-003	54,64	-4,7379438134-002
52,65	1,0989992059-001	53,15	9,4135697649-002	53,65	5,5587070438-002	54,15	3,8540378385-003	54,65	-4,8342446440-002
52,66	1,0984502906-001	53,16	9,3563894278-002	53,66	5,4642437343-002	54,16	2,7700832300-003	54,66	-4,9300446296-002
52,67	1,0977917112-001	53,17	9,2982846028-002	53,67	5,3692518533-002	54,17	1,6860519293-003	54,67	-5,0253343026-002
52,68	1,0970235562-001	53,18	9,2392613350-002	53,68	5,2737409853-002	54,18	6,0205228613-004	54,68	-5,1201042293-002
52,69	1,0961458363-001	53,19	9,1793256672-002	53,69	5,1777207636-002	54,19	-4,8180779000-004	54,69	-5,2143450346-002
52,70	1,0951587331-001	53,20	9,1184837404-002	53,70	5,0812008703-002	54,20	-1,5654194742-003	54,70	-5,3080474165-002
52,71	1,0940623447-001	53,21	9,0567417780-002	53,71	4,9841910799-002	54,21	-2,6486748726-003	54,71	-5,4012020743-002
52,72	1,0928568376-001	53,22	8,9941062222-002	53,72	4,8867011381-002	54,22	-3,7314655185-003	54,72	-5,4937998200-002
52,73	1,0915423046-001	53,23	8,9305833941-002	53,73	4,7887409178-002	54,23	-4,8136836337-003	54,73	-5,5858315272-002
52,74	1,0901189197-001	53,24	8,8661798555-002	53,74	4,6903202333-002	54,24	-5,8952111900-003	54,74	-5,6772880638-002
52,75	1,0885868482-001	53,25	8,8009021920-002	53,75	4,5914490682-002	54,25	-6,9759698430-003	54,75	-5,7681604188-002
52,76	1,0869462559-001	53,26	8,7347570956-002	53,76	4,4921373315-002	54,26	-8,0558221706-003	54,76	-5,8584396003-002
52,77	1,0851973179-001	53,27	8,6677513460-002	53,77	4,3923950787-002	54,27	-9,1346703002-003	54,77	-5,9481167089-002
52,78	1,0833402647-001	53,28	8,5998918042-002	53,78	4,2922323124-002	54,28	-1,0212406503-002	54,78	-6,0371829016-002
52,79	1,0813752509-001	53,29	8,5311853800-002	53,79	4,1916591524-002	54,29	-1,1288923389-002	54,79	-6,1256293835-002
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52,81	1,0771223385-001	53,31	8,3912601438-002	53,81	3,9893221183-002	54,31	-1,3437870020-002	54,81	-6,3006283424-002
52,82	1,0748348927-001	53,32	8,3200556156-002	53,82	3,8875786316-002	54,32	-1,4510085528-002	54,82	-6,3871635817-002
52,83	1,0724404313-001	53,33	8,2480327985-002	53,83	3,7854654550-002	54,33	-1,5580653277-002	54,83	-6,4730446122-002
52,84	1,0699392486-001	53,34	8,1751990644-002	53,84	3,6829928725-002	54,34	-1,6649466527-002	54,84	-6,5582629397-002
52,85	1,0673315780-001	53,35	8,1015618434-002	53,85	3,5801711974-002	54,35	-1,7716419003-002	54,85	-6,6428101651-002
52,86	1,0646177233-001	53,36	8,0271286161-002	53,86	3,4770107463-002	54,36	-1,8781404278-002	54,86	-6,7266780158-002
52,87	1,0617979606-001	53,37	7,9519069935-002	53,87	3,3735219036-002	54,37	-1,9844316312-002	54,87	-6,8098581913-002
52,88	1,0588726121-001	53,38	7,8759046384-002	53,88	3,2697150612-002	54,38	-2,0905049405-002	54,88	-6,8923429308-002
52,89	1,0558419782-001	53,39	7,7991292848-002	53,89	3,1656006670-002	54,39	-2,1963497807-002	54,89	-6,9741228870-002
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52,91	1,0494661409-001	53,41	7,6432909413-002	53,91	2,9564910442-002	54,41	-2,4073119554-002	54,91	-7,1355396127-002
52,92	1,0461216213-001	53,42	7,5642437787-002	53,92	2,8515168346-002	54,42	-2,5124083066-002	54,92	-7,2151601134-002
52,93	1,0426731737-001	53,43	7,4844553553-002	53,93	2,7462770606-002	54,43	-2,6172342229-002	54,93	-7,2940449103-002
52,94	1,0391211580-001	53,44	7,4039337307-002	53,94	2,6407823079-002	54,44	-2,7217792680-002	54,94	-7,3721862447-002
52,95	1,0354659478-001	53,45	7,3226871376-002	53,95	2,5350431354-002	54,45	-2,8260330465-002	54,95	-7,4495764498-002
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52,97	1,0278474980-001	53,47	7,1580520372-002	53,97	2,3228740509-002	54,47	-3,0336254131-002	54,97	-7,6020732038-002
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55,02	-7,9696482775-002	55,52	-1,0410689189-001	56,02	-1,0293159933-001	56,52	-7,6685138716-002	57,02	-3,1982948566-002
55,03	-8,0407626133-002	55,53	-1,0434318186-001	56,03	-1,0263973298-001	56,53	-7,5940904496-002	57,03	-3,0971630336-002
55,04	-8,1110602929-002	55,54	-1,0456899877-001	56,04	-1,0233765937-001	56,54	-7,5189210940-002	57,04	-2,9957393454-002
55,05	-8,1805344548-002	55,55	-1,0478432291-001	56,05	-1,0202540963-001	56,55	-7,4430134378-002	57,05	-2,8940339875-002
55,06	-8,2491782773-002	55,56	-1,0498913397-001	56,06	-1,0170301791-001	56,56	-7,3663751960-002	57,06	-2,7920571787-002
55,07	-8,3169850761-002	55,57	-1,0518341416-001	56,07	-1,0137051688-001	56,57	-7,2890141724-002	57,07	-2,6898191409-002
55,08	-8,3839482414-002	55,58	-1,0536714581-001	56,08	-1,0102794317-001	56,58	-7,2109382261-002	57,08	-2,5873301352-002
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55,19	-9,0630542017-002	55,69	-1,0668801135-001	56,19	-9,6605784274-002	56,69	-6,3072333913-002	57,19	-1,4463439914-002
55,20	-9,1194085886-002	55,70	-1,0674417586-001	56,20	-9,6145419665-002	56,70	-6,2212158984-002	57,20	-1,3416513626-002
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55,25	-9,3872481443-002	55,75	-1,0686476186-001	56,25	-9,3701654368-002	56,75	-5,7822041385-002	57,25	-8,1666104929-003
55,26	-9,4379932731-002	55,76	-1,0685685838-001	56,26	-9,3184866263-002	56,76	-5,6926790535-002	57,26	-7,1143111367-003
55,27	-9,4877858225-002	55,77	-1,0683822518-001	56,27	-9,2658855480-002	56,77	-5,6026007123-002	57,27	-6,0614844321-003
55,28	-9,5366210013-002	55,78	-1,0680891320-001	56,28	-9,2123676084-002	56,78	-5,5119782011-002	57,28	-5,0082357253-003
55,29	-9,5844941002-002	55,79	-1,0676895899-001	56,29	-9,1579383065-002	56,79	-5,4208206687-002	57,29	-3,9546701951-003
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55,31	-9,6773356632-002	55,81	-1,0665705277-001	56,31	-9,0463681950-002	56,81	-5,2369374452-002	57,31	-1,8470102516-003
55,32	-9,7222952030-002	55,82	-1,0658511397-001	56,32	-8,9892388193-002	56,82	-5,1442302873-002	57,32	-7,9312649609-004
55,33	-9,7662748254-002	55,83	-1,0650253996-001	56,33	-8,9312210493-002	56,83	-5,0510252462-002	57,33	2,6065278060-004
55,34	-9,8092702329-002	55,84	-1,0640933256-001	56,34	-8,8723208059-002	56,84	-4,9573316993-002	57,34	1,3142222461-003
55,35	-9,8512774275-002	55,85	-1,0630550578-001	56,35	-8,8125441601-002	56,85	-4,8631590988-002	57,35	2,3674763807-003
55,36	-9,8922922737-002	55,86	-1,0619107224-001	56,36	-8,7518972424-002	56,86	-4,7685169525-002	57,36	3,4203104920-003
55,37	-9,9323109556-002	55,87	-1,0606604502-001	56,37	-8,6903862539-002	56,87	-4,6734147819-002	57,37	4,4726189355-003
55,38	-9,9713295414-002	55,88	-1,0593043660-001	56,38	-8,6280174793-002	56,88	-4,5778621971-002	57,38	5,5242970643-003
55,39	-1,0009344439-001	55,89	-1,0578426405-001	56,39	-8,5647972962-002	56,89	-4,4818687920-002	57,39	6,5752397228-003
55,40	-1,0046351920-001	55,90	-1,0562754480-001	56,40	-8,5007322424-002	56,90	-4,3854442578-002	57,40	7,6253417698-003
55,41	-1,0082348497-001	55,91	-1,0546029284-001	56,41	-8,4358287905-002	56,91	-4,2885983147-002	57,41	8,6744989876-003
55,42	-1,0117330813-001	55,92	-1,0528253057-001	56,42	-8,3700936288-002	56,92	-4,1913406826-002	57,42	9,7226061916-003
55,43	-1,0151295462-001	55,93	-1,0509427640-001	56,43	-8,3035334563-002	56,93	-4,0936811725-002	57,43	1,0769559040-002
55,44	-1,0184239371-001	55,94	-1,0489555008-001	56,44	-8,2361550154-002	56,94	-3,9956296209-002	57,44	1,1815253080-002
55,45	-1,0216159274-001	55,95	-1,0468637504-001	56,45	-8,1679652887-002	56,95	-3,8971958996-002	57,45	1,2859584027-002
55,46	-1,0247052265-001	55,96	-1,0446677322-001	56,46	-8,0989711743-002	56,96	-3,7983898777-002	57,46	1,3902447726-002
55,47	-1,0276915406-001	55,97	-1,0423676724-001	56,47	-8,0291796967-002	56,97	-3,6992215137-002	57,47	1,4943740202-002
55,48	-1,0305745888-001	55,98	-1,0399638346-001	56,48	-7,9585980061-002	56,98	-3,5997007972-002	57,48	1,5983357907-002
55,49	-1,0333541076-001	55,99	-1,0374564703-001	56,49	-7,8872332404-002	56,99	-3,4998377250-002	57,49	1,7021196850-002
55,50	-1,0360298297-001	56,00	-1,0348458595-001	56,50	-7,8150927402-002	57,00	-3,3996423134-002	57,50	1,8057153915-002

BESSEL FUNCTION EVALUATION N= 1

57,51	1,9091125913-002	58,01	6,6070037050-002	58,51	9,6543504612-002	59,01	1,0322760181-001	59,51	8,4695137080-002
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57,53	2,1152702773-002	58,03	6,7670942940-002	58,53	9,7297638480-002	59,03	1,0295841420-001	59,53	8,3876849219-002
57,54	2,2180102245-002	58,04	6,8461082414-002	58,54	9,7660038907-002	59,04	1,0280841066-001	59,54	8,2855311767-002
57,55	2,3205106115-002	58,05	6,9244242496-002	58,55	9,8012615053-002	59,05	1,0264815535-001	59,55	8,2225596134-002
57,56	2,4227612435-002	58,06	7,0020345807-002	58,56	9,8355333477-002	59,06	1,0247766609-001	59,56	8,1587766893-002
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57,61	2,9299126972-002	58,11	7,3792367078-002	58,61	9,9919955279-002	59,11	1,0147240623-001	59,61	7,8279220152-002
57,62	3,0304520614-002	58,12	7,4524553159-002	58,62	1,0020287921-001	59,12	1,0124094372-001	59,62	7,7594103103-002
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57,66	3,4293063263-002	58,16	7,7376835553-002	58,66	1,0123367388-001	59,16	1,0021454786-001	59,66	7,4777927246-002
57,67	3,5281445705-002	58,17	7,8070440636-002	58,67	1,0146602892-001	59,17	9,9932948360-002	59,67	7,4055314520-002
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57,70	3,8224013777-002	58,20	8,0103449626-002	58,70	1,0210191715-001	59,20	9,9028623549-002	59,70	7,1844083797-002
57,71	3,9197018999-002	58,21	8,0764962072-002	58,71	1,0229342359-001	59,21	9,8707445799-002	59,71	7,1092792179-002
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57,75	4,3047212746-002	58,25	8,3328508225-002	58,75	1,0295671039-001	59,25	9,7324957608-002	59,75	6,8018590650-002
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57,77	4,4945878988-002	58,27	8,4559904854-002	58,77	1,0322650626-001	59,27	9,6575557971-002	59,77	6,6441162335-002
57,78	4,5888273884-002	58,28	8,5162796548-002	58,78	1,0334589787-001	59,28	9,6186453931-002	59,78	6,5642644296-002
57,79	4,6825918868-002	58,29	8,5757072000-002	58,79	1,0345494178-001	59,29	9,5787800292-002	59,79	6,4837697886-002
57,80	4,7758720645-002	58,30	8,6342672845-002	58,80	1,0355362352-001	59,30	9,5379638453-002	59,80	6,4026404991-002
57,81	4,8686587161-002	58,31	8,6919542521-002	58,81	1,0364193705-001	59,31	9,4962011299-002	59,81	6,3208847363-002
57,82	4,9609426481-002	58,32	8,7487624653-002	58,82	1,0371987353-001	59,32	9,4534961833-002	59,82	6,2385107696-002
57,83	5,0527147119-002	58,33	8,8046864043-002	58,83	1,0378743164-001	59,33	9,4098534791-002	59,83	6,1555269725-002
57,84	5,1439658536-002	58,34	8,8597205991-002	58,84	1,0384459971-001	59,34	9,3652774252-002	59,84	6,0719417263-002
57,85	5,2346870067-002	58,35	8,9138597818-002	58,85	1,0389138423-001	59,35	9,3197727692-002	59,85	5,9877634653-002
57,86	5,3248692314-002	58,36	8,9670986282-002	58,86	1,0392777301-001	59,36	9,2733441405-002	59,86	5,9030007232-002
57,87	5,4145035823-002	58,37	9,0194319792-002	58,87	1,0395376674-001	59,37	9,2259963460-002	59,87	5,8176626603-002
57,88	5,5035812149-002	58,38	9,0708547856-002	58,88	1,0396935922-001	59,38	9,1777342600-002	59,88	5,7317561011-002
57,89	5,5920933153-002	58,39	9,1213620431-002	58,89	1,0397455670-001	59,39	9,1285628751-002	59,89	5,6452915203-002
57,90	5,6800311373-002	58,40	9,1709488605-002	58,90	1,0396936643-001	59,40	9,0784872577-002	59,90	5,5582770370-002
57,91	5,7673859819-002	58,41	9,2196104485-002	58,91	1,0395375932-001	59,41	9,0275125846-002	59,91	5,4707214873-002
57,92	5,8541492531-002	58,42	9,2673421174-002	58,92	1,0392780040-001	59,42	8,9756440422-002	59,92	5,3826336451-002
57,93	5,9403123548-002	58,43	9,3141392432-002	58,93	1,0389144970-001	59,43	8,9228870459-002	59,93	5,2940224702-002
57,94	6,0258667748-002	58,44	9,3599972890-002	58,94	1,0384470544-001	59,44	8,8692469674-002	59,94	5,2048968549-002
57,95	6,1108040914-002	58,45	9,4049118382-002	58,95	1,0378759924-001	59,45	8,8147292756-002	59,95	5,1152658239-002
57,96	6,1951158959-002	58,46	9,4488786019-002	58,96	1,0372012221-001	59,46	8,7593396455-002	59,96	5,0251383929-002
57,97	6,2787939024-002	58,47	9,4918933124-002	58,97	1,0364229003-001	59,47	8,7030837159-002	59,97	4,9345236706-002
57,98	6,3618298344-002	58,48	9,5339518525-002	58,98	1,0355411053-001	59,48	8,6459672726-002	59,98	4,8434307968-002
57,99	6,4442155086-002	58,49	9,5750501833-002	58,99	1,0345559633-001	59,49	8,5879961392-002	59,99	4,7518689451-002
58,00	6,5259428275-002	58,50	9,6151843143-002	59,00	1,0334675486-001	59,50	8,5291762883-002	60,00	4,6598473125-002

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60.03	4.3811169317-002	60.53	-6.2046604023-003	61.03	-5.4296553620-002	61.53	-8.8759991031-002	62.03	-1.0130638119-001
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60.18	2.9356079988-002	60.68	-2.1405206088-002	61.18	-6.6532045243-002	61.68	-9.5072653396-002	62.18	-1.0020553542-001
60.19	2.8366579206-002	60.69	-2.2403885007-002	61.19	-6.7296446816-002	61.69	-9.5418388674-002	62.19	-1.0005171761-001
60.20	2.7374407218-002	60.70	-2.3400160120-002	61.20	-6.8053996154-002	61.70	-9.5754529724-002	62.20	-9.9887925654-002
60.21	2.6379663541-002	60.71	-2.4393931662-002	61.21	-6.8804618531-002	61.71	-9.6081043188-002	62.21	-9.9714173237-002
60.22	2.5382448012-002	60.72	-2.5385101131-002	61.22	-6.9548240582-002	61.72	-9.6397900237-002	62.22	-9.9530480576-002
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60.28	1.9352866066-002	60.78	-3.1271969541-002	61.28	-7.3858911652-002	61.78	-9.8094611610-002	62.28	-9.8220773088-002
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60.42	5.0745110052-003	60.92	-4.4512494629-002	61.42	-8.2843299711-002	61.92	-1.0066775031-001	62.42	-9.3807119636-002
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60.46	9.7054239926-004	60.96	-4.8140996594-002	61.46	-8.5115923940-002	61.96	-1.0104160356-001	62.46	-9.2206339526-002
60.47	-5.5524412867-005	60.97	-4.9035945417-002	61.47	-8.5662718895-002	61.97	-1.0110980059-001	62.47	-9.1783160630-002
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60.49	-2.1070300272-003	60.99	-5.0810609618-002	61.49	-8.6730300358-002	61.99	-1.0121583046-001	62.49	-9.0909524732-002
60.50	-3.1322637046-003	61.00	-5.1690148897-002	61.50	-8.7250982502-002	62.00	-1.0125366210-001	62.50	-9.0459158549-002

62,51	-8,9999821198-002	63,01	-5,6866227313-002	63,51	-1,0130062189-002	64,01	3,8709471246-002	64,51	7,7730630412-002
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62,54	-8,8568462899-002	63,04	-5,4341631321-002	63,54	-7,1362312516-003	64,04	4,1439088553-002	64,54	7,9532696153-002
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62,56	-8,7570261897-002	63,06	-5,2631936017-002	63,56	-5,1373964084-003	64,06	4,3237564106-002	64,56	8,0693958425-002
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62,59	-8,6008042316-002	63,09	-5,0029170790-002	63,59	-2,1367219005-003	64,09	4,5901589730-002	64,59	8,2374545231-002
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62,61	-8,4923906841-002	63,11	-4,8269533574-002	63,61	-1,3582409071-004	64,11	4,7654121147-002	64,61	8,3453426093-002
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62,64	-8,3234831102-002	63,14	-4,5595160605-002	63,64	2,8641952268-003	64,14	5,0245953246-002	64,64	8,5008430632-002
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62,66	-8,2067537517-002	63,16	-4,3790015324-002	63,66	4,8621576983-003	64,16	5,1948199907-002	64,66	8,6002299453-002
62,67	-8,1471695225-002	63,17	-4,2881045674-002	63,67	5,8602243338-003	64,17	5,2791377180-002	64,67	8,6486247927-002
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62,69	-8,0255925171-002	63,19	-4,1050769890-002	63,69	7,8540303231-003	64,19	5,4461422374-002	64,69	8,7427935894-002
62,70	-7,9636120618-002	63,20	-4,0129648085-002	63,70	8,8495707526-003	64,20	5,5288125173-002	64,70	8,7885584561-002
62,71	-7,9008454473-002	63,21	-3,9204660354-002	63,71	9,8440703528-003	64,21	5,6109172276-002	64,71	8,8334376344-002
62,72	-7,8372990194-002	63,22	-3,8275899720-002	63,72	1,0837429520-002	64,22	5,6924482323-002	64,72	8,8774268634-002
62,73	-7,7729792593-002	63,23	-3,7343459835-002	63,73	1,1829549632-002	64,23	5,7733974966-002	64,73	8,9205218384-002
62,74	-7,7078926800-002	63,24	-3,6407434113-002	63,74	1,2820331355-002	64,24	5,8537569945-002	64,74	8,9627183944-002
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62,76	-7,5754458430-002	63,26	-3,4525002976-002	63,76	1,4797485278-002	64,26	6,0126750568-002	64,76	9,0443999935-002
62,77	-7,5080990267-002	63,27	-3,3578786486-002	63,77	1,5783660185-002	64,27	6,0912179188-002	64,77	9,0838771884-002
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62,80	-7,3016473583-002	63,30	-3,0721275715-002	63,80	1,8731397757-002	64,30	6,3230889416-002	64,80	9,1968088159-002
62,81	-7,2313830564-002	63,31	-2,9762803951-002	63,81	1,9710054902-002	64,31	6,3991013396-002	64,81	9,2326073642-002
62,82	-7,1604070674-002	63,32	-2,8801508290-002	63,82	2,0686588316-002	64,32	6,4744622221-002	64,82	9,2674773335-002
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62,84	-7,0163488123-002	63,34	-2,6870831752-002	63,84	2,2632895332-002	64,34	6,6231997786-002	64,84	9,3344187320-002
62,85	-6,9432812021-002	63,35	-2,5901644424-002	63,85	2,3602474883-002	64,35	6,6965617741-002	64,85	9,3664836229-002
62,86	-6,8695311364-002	63,36	-2,4930020949-002	63,86	2,4569543193-002	64,36	6,7692429553-002	64,86	9,3976072005-002
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62,88	-6,7200135734-002	63,38	-2,2979855222-002	63,88	2,6495761337-002	64,38	6,9125342272-002	64,88	9,4570188415-002
62,89	-6,6442612436-002	63,39	-2,2001508524-002	63,89	2,7454719313-002	64,39	6,9831302118-002	64,89	9,4853012017-002
62,90	-6,5678567451-002	63,40	-2,1021116755-002	63,90	2,8410782718-002	64,40	7,0530171784-002	64,90	9,5126309018-002
62,91	-6,4908078470-002	63,41	-2,0038778248-002	63,91	2,9363856310-002	64,41	7,1221881837-002	64,91	9,5390054774-002
62,92	-6,4131223271-002	63,42	-1,9054591478-002	63,92	3,0313845360-002	64,42	7,1906364898-002	64,92	9,5644223711-002
62,93	-6,3348080328-002	63,43	-1,8068655006-002	63,93	3,1260655585-002	64,43	7,2583553459-002	64,93	9,5888793049-002
62,94	-6,2558729657-002	63,44	-1,7081067631-002	63,94	3,2204192526-002	64,44	7,3253380853-002	64,94	9,6123737793-002
62,95	-6,1763250321-002	63,45	-1,6091928475-002	63,95	3,3144362526-002	64,45	7,3915781220-002	64,95	9,6349037925-002
62,96	-6,0961723289-002	63,46	-1,5101336434-002	63,96	3,4081072265-002	64,46	7,4570689885-002	64,96	9,6564671220-002
62,97	-6,0154229319-002	63,47	-1,4109391005-002	63,97	3,5014228567-002	64,47	7,5218042369-002	64,97	9,6770618786-002
62,98	-5,9340850152-002	63,48	-1,3116191357-002	63,98	3,5943738702-002	64,48	7,5857774871-002	64,98	9,6966859561-002
62,99	-5,8521668356-002	63,49	-1,2121836974-002	63,99	3,6869510518-002	64,49	7,6489824904-002	64,99	9,7153377088-002
63,00	-5,7696766129-002	63,50	-1,1126427276-002	64,00	3,7791451865-002	64,50	7,7114130494-002	65,00	9,7330153224-002

65.01	9.7497172963-002	65.51	9.3338398568-002	66.01	6.6450717109-002	66.51	2.3561435379-002	67.01	-2.4752430149-002
65.02	9.7654419669-002	65.52	9.3009381706-002	66.02	6.5719342994-002	66.52	2.2609050824-002	67.02	-2.5691968433-002
65.03	9.7801881114-002	65.53	9.2671116285-002	66.03	6.4981509979-002	66.53	2.1654549179-002	67.03	-2.6628798117-002
65.04	9.7939541261-002	65.54	9.2323638396-002	66.04	6.4237292567-002	66.54	2.0698026311-002	67.04	-2.7562826016-002
65.05	9.8067390053-002	65.55	9.1966984691-002	66.05	6.3486766181-002	66.55	1.9739577941-002	67.05	-2.8493959046-002
65.06	9.8185416514-002	65.56	9.1601191156-002	66.06	6.2730006556-002	66.56	1.8779300227-002	67.06	-2.9422104824-002
65.07	9.8293609098-002	65.57	9.1226296085-002	66.07	6.1967090652-002	66.57	1.7817289529-002	67.07	-3.0347170808-002
65.08	9.8391957292-002	65.58	9.0842338647-002	66.08	6.1198095185-002	66.58	1.6853642092-002	67.08	-3.1269065101-002
65.09	9.8480456243-002	65.59	9.0449358332-002	66.09	6.0423098410-002	66.59	1.5888454489-002	67.09	-3.2187695995-002
65.10	9.8559095261-002	65.60	9.0047395809-002	66.10	5.9642178310-002	66.60	1.4921823481-002	67.10	-3.3102972269-002
65.11	9.8627870397-002	65.61	8.9636492843-002	66.11	5.8855414070-002	66.61	1.3953845907-002	67.11	-3.4014802763-002
65.12	9.8686775367-002	65.62	8.9216691055-002	66.12	5.8062885177-002	66.62	1.2984618662-002	67.12	-3.4923097030-002
65.13	9.8735805913-002	65.63	8.8788035088-002	66.13	5.7264671620-002	66.63	1.2014238923-002	67.13	-3.5827764745-002
65.14	9.8774954265-002	65.64	8.8350568293-002	66.14	5.6460854041-002	66.64	1.1042803661-002	67.14	-3.6728716008-002
65.15	9.8804229870-002	65.65	8.7904335691-002	66.15	5.5651513692-002	66.65	1.0070410256-002	67.15	-3.7625861189-002
65.16	9.8823620169-002	65.66	8.7449383948-002	66.16	5.4836732313-002	66.66	9.0971559999-003	67.16	-3.8519111548-002
65.17	9.8833129737-002	65.67	8.6985758778-002	66.17	5.4016592040-002	66.67	8.1231382585-003	67.17	-3.9408378054-002
65.18	9.8832758183-002	65.68	8.6513508190-002	66.18	5.3191175821-002	66.68	7.1484546349-003	67.18	-4.0293572529-002
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65.20	9.8802377090-002	65.70	8.5543327208-002	66.20	5.1524848836-002	66.70	5.1974794521-003	67.20	-4.2051394496-002
65.21	9.8772369961-002	65.71	8.5045495757-002	66.21	5.0684106192-002	66.71	4.2213830787-003	67.21	-4.2923847518-002
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65.32	9.7792621062-002	65.82	7.9025045891-002	66.32	4.1128892860-002	66.82	-6.5124014447-003	67.32	-5.2210346266-002
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67,67	-7,6976657105-002	68,17	-9,5495098724-002	68,67	-9,0587914430-002	69,17	-6,3622197149-002	69,67	-2,1332981547-002
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67,70	-7,8694698226-002	68,20	-9,5876056664-002	68,70	-8,9548664414-002	69,20	-6,1426452750-002	69,70	-1,8524510871-002
67,71	-7,9251551662-002	68,21	-9,5983854572-002	68,71	-8,9184397750-002	69,21	-6,0682370060-002	69,71	-1,7584793917-002
67,72	-7,9800399846-002	68,22	-9,6082038446-002	68,72	-8,8811267789-002	69,22	-5,9932328615-002	69,72	-1,6643453885-002
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67,81	-8,4371223322-002	68,31	-9,6532116360-002	68,81	-8,5060930275-002	69,31	-5,2926499016-002	69,81	-8,1139943951-003
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67,86	-8,6615194387-002	68,36	-9,6444486899-002	68,86	-8,2680043667-002	69,36	-4,8849533455-002	69,86	-3,3472900083-003
67,87	-8,7037990659-002	68,37	-9,6398036748-002	68,87	-8,2179084995-002	69,37	-4,8019515418-002	69,87	-2,3929813789-003
67,88	-8,7452023858-002	68,38	-9,6341952099-002	68,88	-8,1669983347-002	69,38	-4,7184816272-002	69,88	-1,4385700853-003
67,89	-8,7857253631-002	68,39	-9,6276243678-002	68,89	-8,1152791069-002	69,39	-4,6345520483-002	69,89	-4,8415159206-004
67,90	-8,8253639995-002	68,40	-9,6200923475-002	68,90	-8,0627561102-002	69,40	-4,5501712287-002	69,90	4,7017886870-004
67,91	-8,8641145660-002	68,41	-9,6115993478-002	68,91	-8,0094346870-002	69,41	-4,4653476973-002	69,91	1,4243256530-003
67,92	-8,9019732850-002	68,42	-9,6021468004-002	68,92	-7,9553202719-002	69,42	-4,3800899610-002	69,92	2,3781936551-003
67,93	-8,9389365013-002	68,43	-9,5917356978-002	68,93	-7,9004184168-002	69,43	-4,2944066294-002	69,93	3,3316875519-003
67,94	-8,9750006085-002	68,44	-9,5803674338-002	68,94	-7,8447347170-002	69,44	-4,2083063234-002	69,94	4,2847119356-003
67,95	-9,0101622189-002	68,45	-9,5680428643-002	68,95	-7,7882748914-002	69,45	-4,1217976966-002	69,95	5,2371718006-003
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67,98	-9,1101984242-002	68,48	-9,5253469385-002	68,98	-7,6142961996-002	69,48	-3,8599092208-002	69,98	8,0902128492-003
67,99	-9,1417169657-002	68,49	-9,5092126986-002	68,99	-7,5547899937-002	69,49	-3,7718547985-002	69,99	9,0394639035-003
68,00	-9,1723169568-002	68,50	-9,4921301862-002	69,00	-7,4945371216-002	69,50	-3,6834359591-002	70,00	9,9876756049-003

70.01	1.0934753489-002	70.51	5.4815325740-002	71.01	8.5015116106-002	71.51	9.4269306666-002	72.01	8.0456326085-002
70.02	1.1880602811-002	70.52	5.5584764367-002	71.02	8.5421743132-002	71.52	9.4212500094-002	72.02	7.9960159630-002
70.03	1.2825129449-002	70.53	5.6348536996-002	71.03	8.5819773304-002	71.53	9.4150276035-002	72.03	7.9456068863-002
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70.05	1.4709837562-002	70.55	5.7858782555-002	71.05	8.6589888153-002	71.55	9.3997633087-002	72.05	7.8424318389-002
70.06	1.5649831076-002	70.56	5.8605106185-002	71.06	8.6961898939-002	71.56	9.3907227009-002	72.06	7.7896764240-002
70.07	1.6588125957-002	70.57	5.9345465219-002	71.07	8.7325163523-002	71.57	9.3807444568-002	72.07	7.7361499823-002
70.08	1.7524628468-002	70.58	6.0079786407-002	71.08	8.7679647196-002	71.58	9.3698301320-002	72.08	7.6818567649-002
70.09	1.8459245439-002	70.59	6.0807997457-002	71.09	8.8025315206-002	71.59	9.3579803451-002	72.09	7.6268035300-002
70.10	1.9391883778-002	70.60	6.1530026058-002	71.10	8.8362134309-002	71.60	9.3451967491-002	72.10	7.5709954392-002
70.11	2.0322450362-002	70.61	6.2245801212-002	71.11	8.8690072293-002	71.61	9.3314806509-002	72.11	7.5144381714-002
70.12	2.1250852482-002	70.62	6.2955252157-002	71.12	8.9009097696-002	71.62	9.3168334339-002	72.12	7.4571379292-002
70.13	2.2178997782-002	70.63	6.3658308809-002	71.13	8.9319179959-002	71.63	9.3012570217-002	72.13	7.3990993071-002
70.14	2.3100794010-002	70.64	6.4354901935-002	71.14	8.9620289195-002	71.64	9.2847529100-002	72.14	7.3403294217-002
70.15	2.4022149153-002	70.65	6.5044962774-002	71.15	8.9912395978-002	71.65	9.2673227682-002	72.15	7.2808338358-002
70.16	2.4940971343-002	70.66	6.5728423218-002	71.16	9.0195473549-002	71.66	9.2489686839-002	72.16	7.2206186204-002
70.17	2.5857169228-002	70.67	6.6405216077-002	71.17	9.0469493840-002	71.67	9.2296924985-002	72.17	7.1596898736-002
70.18	2.6770651527-002	70.68	6.7075274390-002	71.18	9.0734431676-002	71.68	9.2094962006-002	72.18	7.0980538167-002
70.19	2.7681327360-002	70.69	6.7738532280-002	71.19	9.0990261298-002	71.69	9.1883820274-002	72.19	7.0357166744-002
70.20	2.8589106199-002	70.70	6.8394924387-002	71.20	9.1236958094-002	71.70	9.1663523188-002	72.20	6.9726847771-002
70.21	2.9493897440-002	70.71	6.9044385972-002	71.21	9.1474499472-002	71.71	9.1434092363-002	72.21	6.9089649426-002
70.22	3.0395611456-002	70.72	6.9686853281-002	71.22	9.1702862652-002	71.72	9.1195553134-002	72.22	6.8445624183-002
70.23	3.1294158280-002	70.73	7.0322262999-002	71.23	9.1922025748-002	71.73	9.0947929963-002	72.23	6.7794849310-002
70.24	3.2189448596-002	70.74	7.0950552524-002	71.24	9.2131967749-002	71.74	9.0691248220-002	72.24	6.7137386699-002
70.25	3.3081393574-002	70.75	7.1571660523-002	71.25	9.2332670614-002	71.75	9.0425535964-002	72.25	6.6473303353-002
70.26	3.3969904270-002	70.76	7.2185525089-002	71.26	9.2524114093-002	71.76	9.0150821025-002	72.26	6.5802666420-002
70.27	3.4854892457-002	70.77	7.2792086767-002	71.27	9.2706281228-002	71.77	8.9867131526-002	72.27	6.5125543743-002
70.28	3.5736270278-002	70.78	7.3391285465-002	71.28	9.2879154747-002	71.78	8.9574497163-002	72.28	6.4442004028-002
70.29	3.6613950106-002	70.79	7.3983062288-002	71.29	9.3042718307-002	71.79	8.9272948334-002	72.29	6.3752116221-002
70.30	3.7487844651-002	70.80	7.4567359128-002	71.30	9.3196956990-002	71.80	8.8962517439-002	72.30	6.3055950581-002
70.31	3.8357867096-002	70.81	7.5144119377-002	71.31	9.3341857539-002	71.81	8.8643235413-002	72.31	6.2353577128-002
70.32	3.9223931275-002	70.82	7.5713285446-002	71.32	9.3477405594-002	71.82	8.8315135522-002	72.32	6.1645067090-002
70.33	4.0085950838-002	70.83	7.6274801968-002	71.33	9.3603589502-002	71.83	8.7978252671-002	72.33	6.0930492191-002
70.34	4.0943840516-002	70.84	7.6828613796-002	71.34	9.3720398345-002	71.84	8.7632621601-002	72.34	6.0209924915-002
70.35	4.1797514935-002	70.85	7.7374666693-002	71.35	9.3827820700-002	71.85	8.7278276784-002	72.35	5.9483437621-002
70.36	4.2646889462-002	70.86	7.7912907359-002	71.36	9.3925849251-002	71.86	8.6915257121-002	72.36	5.8751103837-002
70.37	4.3491879887-002	70.87	7.8443283031-002	71.37	9.4014472554-002	71.87	8.6543597581-002	72.37	5.8012998106-002
70.38	4.4332402063-002	70.88	7.8965741657-002	71.38	9.4093686482-002	71.88	8.6163338688-002	72.38	5.7269194530-002
70.39	4.5168372990-002	70.89	7.9480231992-002	71.39	9.4163478652-002	71.89	8.5774518170-002	72.39	5.6519768040-002
70.40	4.5999709510-002	70.90	7.9986704355-002	71.40	9.4223850227-002	71.90	8.5377176842-002	72.40	5.5764794878-002
70.41	4.6826329471-002	70.91	8.0485108453-002	71.41	9.4274794864-002	71.91	8.4971355151-002	72.41	5.5004350899-002
70.42	4.7648150601-002	70.92	8.0975396144-002	71.42	9.4316304876-002	71.92	8.4557095375-002	72.42	5.4238512957-002
70.43	4.8465091377-002	70.93	8.1457519163-002	71.43	9.4348377024-002	71.93	8.4134439570-002	72.43	5.3467358433-002
70.44	4.9277071233-002	70.94	8.1931431137-002	71.44	9.4371013353-002	71.94	8.3703430733-002	72.44	5.2690965085-002
70.45	5.0084009406-002	70.95	8.2397085018-002	71.45	9.4384221821-002	71.95	8.3264114710-002	72.45	5.1909411233-002
70.46	5.0885826101-002	70.96	8.2854436489-002	71.46	9.4387986984-002	71.96	8.2816535588-002	72.46	5.1122779567-002
70.47	5.1682441819-002	70.97	8.3303439766-002	71.47	9.4382314575-002	71.97	8.2360738658-002	72.47	5.0331137743-002
70.48	5.2473777721-002	70.98	8.3744051913-002	71.48	9.4367220623-002	71.98	8.1896771500-002	72.48	4.9534577087-002
70.49	5.3259755456-002	70.99	8.4176229972-002	71.49	9.4342672818-002	71.99	8.1424681242-002	72.49	4.8733174459-002
70.50	5.4040297220-002	71.00	8.4599931899-002	71.50	9.4308696636-002	72.00	8.0944516375-002	72.50	4.7927010313-002

BESSEL FUNCTION EVALUATION N= 1

72.51	4.7116165775-002	73.01	2.5111740935-003	73.51	-4.2401995584-002	74.01	-7.6666239140-002	74.51	-9.1995670958-002
72.52	4.6300722817-002	73.02	1.5775373285-003	73.52	-4.3225295626-002	74.02	-7.7179132317-002	74.52	-9.2075138884-002
72.53	4.5480763474-002	73.03	6.4387069818-004	73.53	-4.4044162238-002	74.03	-7.7684240452-002	74.53	-9.2145391125-002
72.54	4.4656370230-002	73.04	-2.8973248687-004	73.54	-4.4858514264-002	74.04	-7.8181513720-002	74.54	-9.2206420812-002
72.55	4.3827626331-002	73.05	-1.2231788595-003	73.55	-4.5668270828-002	74.05	-7.8670904011-002	74.55	-9.2258228378-002
72.56	4.2994614911-002	73.06	-2.1563752689-003	73.56	-4.6473351658-002	74.06	-7.9152363025-002	74.56	-9.2300801266-002
72.57	4.2157420123-002	73.07	-3.0892283752-003	73.57	-4.7273676989-002	74.07	-7.9625843766-002	74.57	-9.2334143936-002
72.58	4.1316125983-002	73.08	-4.0216448333-003	73.58	-4.8069167376-002	74.08	-8.0091299824-002	74.58	-9.2358248341-002
72.59	4.0470817231-002	73.09	-4.9535317357-003	73.59	-4.8859743930-002	74.09	-8.0548686299-002	74.59	-9.2373114938-002
72.60	3.9621578937-002	73.10	-5.8847960189-003	73.60	-4.9645328490-002	74.10	-8.0997958290-002	74.60	-9.2378746828-002
72.61	3.8768496446-002	73.11	-6.8153444431-003	73.61	-5.0425843045-002	74.11	-8.1439072068-002	74.61	-9.2375145287-002
72.62	3.7911655745-002	73.12	-7.7450843832-003	73.62	-5.1201210329-002	74.12	-8.1871984359-002	74.62	-9.2362322316-002
72.63	3.7051142842-002	73.13	-8.6739227313-003	73.63	-5.1971353441-002	74.13	-8.2296652785-002	74.63	-9.2340224178-002
72.64	3.6187044204-002	73.14	-9.6017670576-003	73.64	-5.2736196131-002	74.14	-8.2713036856-002	74.64	-9.2308930499-002
72.65	3.5319446938-002	73.15	-1.0528524489-002	73.65	-5.3495662786-002	74.15	-8.3121095623-002	74.65	-9.2268408237-002
72.66	3.4448437936-002	73.16	-1.1454102683-002	73.66	-5.4249678199-002	74.16	-8.3520789070-002	74.66	-9.2218661658-002
72.67	3.3574104822-002	73.17	-1.2378409267-002	73.67	-5.4998167708-002	74.17	-8.3912079092-002	74.67	-9.2159709723-002
72.68	3.2696535654-002	73.18	-1.3301352058-002	73.68	-5.5741057129-002	74.18	-8.4294926617-002	74.68	-9.2091545095-002
72.69	3.1815818329-002	73.19	-1.4222838925-002	73.69	-5.6478273218-002	74.19	-8.4669296173-002	74.69	-9.2014184978-002
72.70	3.0932041490-002	73.20	-1.5142778006-002	73.70	-5.7209742810-002	74.20	-8.5035149443-002	74.70	-9.1927635802-002
72.71	3.0045293868-002	73.21	-1.6061077511-002	73.71	-5.7935393833-002	74.21	-8.5392452546-002	74.71	-9.1831908699-002
72.72	2.9155664349-002	73.22	-1.6977645900-002	73.72	-5.8655154115-002	74.22	-8.5741170910-002	74.72	-9.1727011781-002
72.73	2.8263242395-002	73.23	-1.7892391916-002	73.73	-5.9368952934-002	74.23	-8.6081270110-002	74.73	-9.1612960969-002
72.74	2.7368117638-002	73.24	-1.8805224154-002	73.74	-6.0076719628-002	74.24	-8.6412717376-002	74.74	-9.1489763940-002
72.75	2.6470379864-002	73.25	-1.9716051819-002	73.75	-6.0778384262-002	74.25	-8.6735480956-002	74.75	-9.1357438245-002
72.76	2.5570118965-002	73.26	-2.0624783922-002	73.76	-6.1473877402-002	74.26	-8.7049530647-002	74.76	-9.1215997243-002
72.77	2.4667425666-002	73.27	-2.1531330095-002	73.77	-6.2163130578-002	74.27	-8.7354834322-002	74.77	-9.1065454364-002
72.78	2.3762390220-002	73.28	-2.2435599998-002	73.78	-6.2846075529-002	74.28	-8.7651363502-002	74.78	-9.0905827938-002
72.79	2.2855103459-002	73.29	-2.3337503594-002	73.79	-6.3522644920-002	74.29	-8.7939090407-002	74.79	-9.0737139888-002
72.80	2.1945656555-002	73.30	-2.4236950999-002	73.80	-6.4192772115-002	74.30	-8.8217986717-002	74.80	-9.0559394273-002
72.81	2.1034140515-002	73.31	-2.5133852661-002	73.81	-6.4856390876-002	74.31	-8.8488026180-002	74.81	-9.0372622504-002
72.82	2.0120646791-002	73.32	-2.6028119144-002	73.82	-6.5513435700-002	74.32	-8.8749183018-002	74.82	-9.0176840876-002
72.83	1.9205267004-002	73.33	-2.6919661630-002	73.83	-6.6163841991-002	74.33	-8.9001431882-002	74.83	-8.9972069247-002
72.84	1.8288092875-002	73.34	-2.7808391273-002	73.84	-6.6807545401-002	74.34	-8.9244748484-002	74.84	-8.9758331184-002
72.85	1.7369216326-002	73.35	-2.8694219594-002	73.85	-6.7444482683-002	74.35	-8.9479110735-002	74.85	-8.9535647396-002
72.86	1.6448729421-002	73.36	-2.9577058402-002	73.86	-6.8074591138-002	74.36	-8.9704495880-002	74.86	-8.9304042666-002
72.87	1.5526724379-002	73.37	-3.0456820218-002	73.87	-6.8697808381-002	74.37	-8.9920881947-002	74.87	-8.9063540639-002
72.88	1.4603293587-002	73.38	-3.1333417018-002	73.88	-6.9314073391-002	74.38	-9.0128248900-002	74.88	-8.8814166235-002
72.89	1.3678529635-002	73.39	-3.2206761955-002	73.89	-6.9923325389-002	74.39	-9.0326578175-002	74.89	-8.8555946397-002
72.90	1.2752525006-002	73.40	-3.3076768023-002	73.90	-7.0525504436-002	74.40	-9.0515850268-002	74.90	-8.8288907746-002
72.91	1.1825372532-002	73.41	-3.3943348806-002	73.91	-7.1120551180-002	74.41	-9.0696047693-002	74.91	-8.8013077325-002
72.92	1.0897164935-002	73.42	-3.4806418046-002	73.92	-7.1708407264-002	74.42	-9.0867153779-002	74.92	-8.7728485421-002
72.93	9.9679951626-003	73.43	-3.5665890070-002	73.93	-7.2289014912-002	74.43	-9.1029152689-002	74.93	-8.7435160151-002
72.94	9.0379562762-003	73.44	-3.6521679398-002	73.94	-7.2862316919-002	74.44	-9.1182028125-002	74.94	-8.7133133493-002
72.95	8.1071413525-003	73.45	-3.7373700883-002	73.95	-7.3428257052-002	74.45	-9.1325767818-002	74.95	-8.6822435416-002
72.96	7.1756435556-003	73.46	-3.8221870025-002	73.96	-7.3986779717-002	74.46	-9.1460358584-002	74.96	-8.6503099462-002
72.97	6.2435559193-003	73.47	-3.9066102667-002	73.97	-7.4537830130-002	74.47	-9.1585786517-002	74.97	-8.6175157309-002
72.98	5.3109719908-003	73.48	-3.9906314642-002	73.98	-7.5081354094-002	74.48	-9.1702041954-002	74.98	-8.5838644016-002
72.99	4.3779847773-003	73.49	-4.0742422785-002	73.99	-7.5617298658-002	74.49	-9.1809113531-002	74.99	-8.5493593225-002
73.00	3.4446877706-003	73.50	-4.1574343937-002	74.00	-7.6145610700-002	74.50	-9.1906993529-002	75.00	-8.5140041891-002

BESSEL FUNCTION EVALUATION

75,01	-8,4778025507-002	75,51	-5,6924190865-002	76,01	-1,5365489787-002	76,51	2,9669777594-002	77,01	6,7178336276-002
75,02	-8,4407582132-002	75,52	-5,6197188438-002	76,02	-1,4461628750-002	76,52	3,0528840403-002	77,02	6,7777318298-002
75,03	-8,4028748784-002	75,53	-5,5464663932-002	76,03	-1,3556440926-002	76,53	3,1384738880-002	77,03	6,8375449411-002
75,04	-8,3641565903-002	75,54	-5,4726691067-002	76,04	-1,2650016824-002	76,54	3,2237387671-002	77,04	6,8966659125-002
75,05	-8,3246072412-002	75,55	-5,3983344965-002	76,05	-1,1742447112-002	76,55	3,3086702139-002	77,05	6,9550901292-002
75,06	-8,2842308898-002	75,56	-5,3234700006-002	76,06	-1,0833822813-002	76,56	3,3932597748-002	77,06	7,0128114159-002
75,07	-8,2430317230-002	75,57	-5,2480832043-002	76,07	-9,9242349295-003	76,57	3,4774990565-002	77,07	7,0698240510-002
75,08	-8,2010139220-002	75,58	-5,1721816977-002	76,08	-9,0137743345-003	76,58	3,5613796754-002	77,08	7,1261229436-002
75,09	-8,1581818366-002	75,59	-5,0957731571-002	76,09	-8,1025323016-003	76,59	3,6448932734-002	77,09	7,1817012478-002
75,10	-8,1145398973-002	75,60	-5,0188652574-002	76,10	-7,1906000169-003	76,60	3,7280315899-002	77,10	7,2365547738-002
75,11	-8,0700924408-002	75,61	-4,9414657842-002	76,11	-6,2780685594-003	76,61	3,8107863160-002	77,11	7,2906776826-002
75,12	-8,0248441224-002	75,62	-4,8635825224-002	76,12	-5,3650294400-003	76,62	3,8931492787-002	77,12	7,3440646934-002
75,13	-7,9787995514-002	75,63	-4,7852233163-002	76,13	-4,4515739068-003	76,63	3,9751122542-002	77,13	7,3967105632-002
75,14	-7,9319634209-002	75,64	-4,7063960639-002	76,14	-3,5377931205-003	76,64	4,0566713108-002	77,14	7,4486101111-002
75,15	-7,8843405001-002	75,65	-4,6271087152-002	76,15	-2,6237788470-003	76,65	4,1378057966-002	77,15	7,4997582498-002
75,16	-7,8359357576-002	75,66	-4,5473692602-002	76,16	-1,7096221853-003	76,66	4,2185201963-002	77,16	7,5501499661-002
75,17	-7,7867539752-002	75,67	-4,4671857025-002	76,17	-7,9541462049-004	76,67	4,2988023249-002	77,17	7,5997803080-002
75,18	-7,7368003116-002	75,68	-4,3865661431-002	76,18	1,1875239338-004	76,68	4,3786442037-002	77,18	7,6486444010-002
75,19	-7,6860797835-002	75,69	-4,3055186877-002	76,19	1,0327876230-003	76,69	4,4580379095-002	77,19	7,6967375175-002
75,20	-7,6345975841-002	75,70	-4,2240514922-002	76,20	1,9465995957-003	76,70	4,5369755739-002	77,20	7,7440549263-002
75,21	-7,5823589810-002	75,71	-4,1421727578-002	76,21	2,8600969642-003	76,71	4,6154493573-002	77,21	7,7905919563-002
75,22	-7,5293692433-002	75,72	-4,0598907251-002	76,22	3,7731886454-003	76,72	4,6934514763-002	77,22	7,8363440883-002
75,23	-7,4756338384-002	75,73	-3,9772136668-002	76,23	4,6857832710-003	76,73	4,7709742076-002	77,23	7,8813068758-002
75,24	-7,4211581814-002	75,74	-3,8941499013-002	76,24	5,5977897036-003	76,74	4,8480098376-002	77,24	7,9254758763-002
75,25	-7,3659478353-002	75,75	-3,8107077922-002	76,25	6,5091169704-003	76,75	4,9245507834-002	77,25	7,9688468056-002
75,26	-7,3100084283-002	75,76	-3,7268957220-002	76,26	7,4196738618-003	76,76	5,0005893669-002	77,26	8,0114154664-002
75,27	-7,2533456270-002	75,77	-3,6427221064-002	76,27	8,3293696067-003	76,77	5,0761181406-002	77,27	8,0531776464-002
75,28	-7,1959651952-002	75,78	-3,5581954319-002	76,28	9,2381134441-003	76,78	5,1511295774-002	77,28	8,0941292879-002
75,29	-7,1378729892-002	75,79	-3,4733241620-002	76,29	1,0145814426-002	76,79	5,2256162612-002	77,29	8,1342663784-002
75,30	-7,0790748745-002	75,80	-3,3881168644-002	76,30	1,1052382252-002	76,80	5,2995708199-002	77,30	8,1735850829-002
75,31	-7,0195768484-002	75,81	-3,3025820563-002	76,31	1,1957726162-002	76,81	5,3729859226-002	77,31	8,2120815702-002
75,32	-6,9593849399-002	75,82	-3,2167283702-002	76,32	1,2861756044-002	76,82	5,4458542854-002	77,32	8,2497520174-002
75,33	-6,8985052463-002	75,83	-3,1305644136-002	76,33	1,3764381550-002	76,83	5,5181687142-002	77,33	8,2865928332-002
75,34	-6,8369439663-002	75,84	-3,0440988303-002	76,34	1,4665512855-002	76,84	5,5899220597-002	77,34	8,3226004099-002
75,35	-6,7747073154-002	75,85	-2,9573403249-002	76,35	1,5565059834-002	76,85	5,6611071907-002	77,35	8,3577713256-002
75,36	-6,7118016381-002	75,86	-2,8702975875-002	76,36	1,6462932878-002	76,86	5,7317170938-002	77,36	8,3921020224-002
75,37	-6,6482333052-002	75,87	-2,7829793657-002	76,37	1,7359042449-002	76,87	5,8017447934-002	77,37	8,4255893696-002
75,38	-6,5840087398-002	75,88	-2,6953944342-002	76,38	1,8253299276-002	76,88	5,8711833331-002	77,38	8,4582299997-002
75,39	-6,5191344672-002	75,89	-2,6075515555-002	76,39	1,9145614025-002	76,89	5,9400258706-002	77,39	8,4900207478-002
75,40	-6,4536170303-002	75,90	-2,5194595681-002	76,40	2,0035897925-002	76,90	6,0082655909-002	77,40	8,5209586665-002
75,41	-6,3874631024-002	75,91	-2,4311273029-002	76,41	2,0924062258-002	76,91	6,0758957710-002	77,41	8,5510406515-002
75,42	-6,3206793453-002	75,92	-2,3425636243-002	76,42	2,1810018439-002	76,92	6,1429097260-002	77,42	8,5802638330-002
75,43	-6,2532725224-002	75,93	-2,2537774105-002	76,43	2,2693678202-002	76,93	6,2093007989-002	77,43	8,6086254336-002
75,44	-6,1852494860-002	75,94	-2,1647775611-002	76,44	2,3574953568-002	76,94	6,2750624664-002	77,44	8,6361226977-002
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75,46	-6,0473822898-002	75,96	-1,9861727006-002	76,46	2,5330000239-002	76,96	6,4046716887-002	77,46	8,6885139185-002
75,47	-5,9775520721-002	75,97	-1,8965855887-002	76,47	2,6203596680-002	76,97	6,4685064619-002	77,47	8,7134027537-002
75,48	-5,9071335078-002	75,98	-1,8068206595-002	76,48	2,7074459323-002	76,98	6,5316862285-002	77,48	8,7374172886-002
75,49	-5,8361336715-002	75,99	-1,7168869060-002	76,49	2,7942501068-002	76,99	6,5942047733-002	77,49	8,7605551849-002
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BESSEL FUNCTION EVALUATION N= 1

77,51	8,8041923740-002	78,01	8,7294313896-002	78,51	6,5250420367-002	79,01	2,7424082023-002	79,51	-1,6855794812-002
77,52	8,8246874479-002	78,02	8,7051805202-002	78,52	6,4622473677-002	79,02	2,6566351868-002	79,52	-1,7732584465-002
77,53	8,8442977259-002	78,03	8,6800622691-002	78,53	6,3988146676-002	79,03	2,5706074255-002	79,53	-1,8607491062-002
77,54	8,8630212806-002	78,04	8,6540794894-002	78,54	6,3347502842-002	79,04	2,4843335535-002	79,54	-1,9480427239-002
77,55	8,8808561598-002	78,05	8,6272349439-002	78,55	6,2700607261-002	79,05	2,3978222085-002	79,55	-2,0351306082-002
77,56	8,8978010165-002	78,06	8,5995311758-002	78,56	6,2047525778-002	79,06	2,3110820906-002	79,56	-2,1220040836-002
77,57	8,9138540109-002	78,07	8,5709713232-002	78,57	6,1388323659-002	79,07	2,2241218686-002	79,57	-2,2086544838-002
77,58	8,9290138544-002	78,08	8,5415581386-002	78,58	6,0723068319-002	79,08	2,1369503100-002	79,58	-2,2950731802-002
77,59	8,9432790242-002	78,09	8,5112948429-002	78,59	6,0051826569-002	79,09	2,0495761078-002	79,59	-2,3812515725-002
77,60	8,9566483737-002	78,10	8,4801844838-002	78,60	5,9374666625-002	79,10	1,9620080488-002	79,60	-2,4671810681-002
77,61	8,9691204063-002	78,11	8,4482302652-002	78,61	5,8691656647-002	79,11	1,8742549064-002	79,61	-2,5528530967-002
77,62	8,9806940267-002	78,12	8,4154354876-002	78,62	5,8002865837-002	79,12	1,7863254766-002	79,62	-2,6382591421-002
77,63	8,9913685767-002	78,13	8,3818036281-002	78,63	5,7308363528-002	79,13	1,6982285590-002	79,63	-2,7233906930-002
77,64	9,0011426932-002	78,14	8,3473380641-002	78,64	5,6608220271-002	79,14	1,6099729979-002	79,64	-2,8082392779-002
77,65	9,0100154546-002	78,15	8,3120423551-002	78,65	5,5902506380-002	79,15	1,5215676316-002	79,65	-2,8927964566-002
77,66	9,0179865165-002	78,16	8,2759202069-002	78,66	5,5191293363-002	79,16	1,4330212999-002	79,66	-2,9770537863-002
77,67	9,0250549663-002	78,17	8,2389751882-002	78,67	5,4474652875-002	79,17	1,3443428958-002	79,67	-3,0610029183-002
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77,69	9,0364815304-002	78,19	8,1626322346-002	78,69	5,3025379415-002	79,19	1,1666253686-002	79,69	-3,2279431731-002
77,70	9,0408389154-002	78,20	8,1232420383-002	78,70	5,2292892756-002	79,20	1,0776040305-002	79,70	-3,3109176654-002
77,71	9,0442918625-002	78,21	8,0830447727-002	78,71	5,1555270840-002	79,21	9,8848620199-003	79,71	-3,3935507408-002
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77,73	9,0484835808-002	78,23	8,0002455350-002	78,73	5,0064920536-002	79,23	8,0999675165-003	79,73	-3,5577597911-002
77,74	9,0492220682-002	78,24	7,9576520053-002	78,74	4,9312342065-002	79,24	7,2064299365-003	79,74	-3,6393194212-002
77,75	9,0490581184-002	78,25	7,9142683845-002	78,75	4,8554929036-002	79,25	6,3122846225-003	79,75	-3,7205049836-002
77,76	9,0479887284-002	78,26	7,8700990027-002	78,76	4,7792757924-002	79,26	5,4176208916-003	79,76	-3,8013084040-002
77,77	9,0460111143-002	78,27	7,8251485069-002	78,77	4,7025905385-002	79,27	4,5225285937-003	79,77	-3,8817216468-002
77,78	9,0431306402-002	78,28	7,7794213776-002	78,78	4,6254448671-002	79,28	3,6270970225-003	79,78	-3,9617367269-002
77,79	9,0393482968-002	78,29	7,7329223608-002	78,79	4,5478465627-002	79,29	2,7314157066-003	79,79	-4,0413456898-002
77,80	9,0346614816-002	78,30	7,6856561551-002	78,80	4,4698034191-002	79,30	1,8355742494-003	79,80	-4,1205406367-002
77,81	9,0290727424-002	78,31	7,6376276106-002	78,81	4,3913232978-002	79,31	9,3966227260-004	79,81	-4,1993137100-002
77,82	9,0225816898-002	78,32	7,5888416126-002	78,82	4,3124140966-002	79,32	4,3769300793-005	79,82	-4,2776570694-002
77,83	9,0151896696-002	78,33	7,5393030999-002	78,83	4,2330837812-002	79,33	-8,5201503506-004	79,83	-4,3555629378-002
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77,85	8,9977050633-002	78,35	7,4379890015-002	78,85	4,0731917255-002	79,35	-2,6429001694-003	79,85	-4,5100313553-002
77,86	8,9876147921-002	78,36	7,3862236670-002	78,86	3,9926460658-002	79,36	-3,5378218988-003	79,86	-4,5865785823-002
77,87	8,9766270791-002	78,37	7,3337265239-002	78,87	3,9117114536-002	79,37	-4,4322769999-003	79,87	-4,6626576585-002
77,88	8,9647436067-002	78,38	7,2805028551-002	78,88	3,8303960286-002	79,38	-5,3261764364-003	79,88	-4,7382610488-002
77,89	8,9519652766-002	78,39	7,2265580588-002	78,89	3,7487079645-002	79,39	-6,2194307699-003	79,89	-4,8133812486-002
77,90	8,9382935402-002	78,40	7,1718977309-002	78,90	3,6666554535-002	79,40	-7,1119507524-003	79,90	-4,8880108452-002
77,91	8,9237300020-002	78,41	7,1165272988-002	78,91	3,5842467824-002	79,41	-8,0036473193-003	79,91	-4,9621423762-002
77,92	8,9082762483-002	78,42	7,0604524702-002	78,92	3,5014902044-002	79,42	-8,8944313847-003	79,92	-5,0357685487-002
77,93	8,8919337541-002	78,43	7,0036788875-002	78,93	3,4183940337-002	79,43	-9,7842140398-003	79,93	-5,1088820506-002
77,94	8,8747044103-002	78,44	6,9462123534-002	78,94	3,3349666367-002	79,44	-1,0672906522-002	79,94	-5,1814756399-002
77,95	8,8565899408-002	78,45	6,8880586921-002	78,95	3,2512163841-002	79,45	-1,1560420144-002	79,95	-5,2535421064-002
77,96	8,8375924330-002	78,46	6,8292238200-002	78,96	3,1671517047-002	79,46	-1,2446666184-002	79,96	-5,3250743151-002
77,97	8,8177137640-002	78,47	6,7697136478-002	78,97	3,0827810111-002	79,47	-1,3331556445-002	79,97	-5,3960652145-002
77,98	8,7969561424-002	78,48	6,7095342494-002	78,98	2,9981128103-002	79,48	-1,4215002476-002	79,98	-5,4665077514-002
77,99	8,7753216829-002	78,49	6,6486917222-002	78,99	2,9131555854-002	79,49	-1,5096916048-002	79,99	-5,5363949393-002
78,00	8,7528126664-002	78,50	6,5871922467-002	79,00	2,8279178569-002	79,50	-1,5977209513-002	80,00	-5,6057198723-002

80.01	-5.6744757092-002	80.51	-8.2537470523-002	81.01	-8.8027980265-002	81.51	-7.2001830038-002	82.01	-3.8501571295-002
80.02	-5.7426556482-002	80.52	-8.2859136062-002	81.02	-8.7913250173-002	81.52	-7.1481388244-002	82.02	-3.7704891784-002
80.03	-5.8102528988-002	80.53	-8.3172476741-002	81.03	-8.7789748614-002	81.53	-7.0953863[illegible]-002	82.03	-3.6904539589-002
80.04	-5.8772608412-002	80.54	-8.3477463883-002	81.04	-8.7657483155-002	81.54	-7.0419310[illegible]-002	82.04	-3.6100599444-002
80.05	-5.9436728092-002	80.55	-8.3774066614-002	81.05	-8.7516471052-002	81.55	-6.9877781827-002	82.05	-3.5293139957-002
80.06	-6.0094822376-002	80.56	-8.4062257509-002	81.06	-8.7366726759-002	81.56	-6.9329333644-002	82.06	-3.4482254212-002
80.07	-6.0746826442-002	80.57	-8.4342008187-002	81.07	-8.7208265834-002	81.57	-6.8774021162-002	82.07	-3.3668019985-002
80.08	-6.1392675836-002	80.58	-8.4613292252-002	81.08	-8.7041104846-002	81.58	-6.8211901011-002	82.08	-3.2850518701-002
80.09	-6.2032306594-002	80.59	-8.4876082269-002	81.09	-8.6865262860-002	81.59	-6.7643030033-002	82.09	-3.2029832830-002
80.10	-6.2665655775-002	80.60	-8.5130354175-002	81.10	-8.6680758391-002	81.60	-6.7067465847-002	82.10	-3.1206044614-002
80.11	-6.3292660549-002	80.61	-8.5376083418-002	81.11	-8.6487610696-002	81.61	-6.6485266906-002	82.11	-3.0379236726-002
80.12	-6.3913259417-002	80.62	-8.5613247596-002	81.12	-8.6285839791-002	81.62	-6.5896492342-002	82.12	-2.9549492421-002
80.13	-6.4527390965-002	80.63	-8.5841821658-002	81.13	-8.6075467297-002	81.63	-6.5301201788-002	82.13	-2.8716894685-002
80.14	-6.5134994522-002	80.64	-8.6061785892-002	81.14	-8.5856514575-002	81.64	-6.4699455471-002	82.14	-2.7881527342-002
80.15	-6.5736010282-002	80.65	-8.6273117366-002	81.15	-8.5629005402-002	81.65	-6.4091314223-002	82.15	-2.7043474090-002
80.16	-6.6330378752-002	80.66	-8.6475798504-002	81.16	-8.5392962613-002	81.66	-6.3476839501-002	82.16	-2.6202819201-002
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80.18	-6.7498941255-002	80.68	-8.6855129753-002	81.18	-8.4895378258-002	81.68	-6.2229140307-002	82.18	-2.4514041652-002
80.19	-6.8073019669-002	80.69	-8.7031744176-002	81.19	-8.4633888800-002	81.69	-6.1596041704-002	82.19	-2.3666088483-002
80.20	-6.8640221140-002	80.70	-8.7199634991-002	81.20	-8.4363969236-002	81.70	-6.0956862462-002	82.20	-2.2815872346-002
80.21	-6.9200489033-002	80.71	-8.7358788070-002	81.21	-8.4085648588-002	81.71	-6.0311667004-002	82.21	-2.1963478589-002
80.22	-6.9753768669-002	80.72	-8.7509187646-002	81.22	-8.3798955816-002	81.72	-5.9660520790-002	82.22	-2.1108992613-002
80.23	-7.0300005762-002	80.73	-8.7650817549-002	81.23	-8.3503919970-002	81.73	-5.9003489347-002	82.23	-2.0252500213-002
80.24	-7.0839[illegible]964-002	80.74	-8.7783668120-002	81.24	-8.3200572226-002	81.74	-5.8340639145-002	82.24	-1.9394087125-002
80.25	-7.1371[illegible]964-002	80.75	-8.7907725959-002	81.25	-8.2888943362-002	81.75	-5.7672037313-002	82.25	-1.8533839369-002
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80.27	-7.2413461901-002	80.77	-8.8129419175-002	81.27	-8.2240972403-002	81.77	-5.6317849618-002	82.27	-1.6808185066-002
80.28	-7.2923693460-002	80.78	-8.8227033739-002	81.28	-8.1904697232-002	81.78	-5.5632400266-002	82.28	-1.5942951456-002
80.29	-7.3426570962-002	80.79	-8.8315815115-002	81.29	-8.1560274761-002	81.79	-5.4941472581-002	82.29	-1.5076229066-002
80.30	-7.3922044575-002	80.80	-8.8395756029-002	81.30	-8.1207740470-002	81.80	-5.4245136488-002	82.30	-1.4208104587-002
80.31	-7.4410066031-002	80.81	-8.8466850044-002	81.31	-8.0847130462-002	81.81	-5.3543462298-002	82.31	-1.3338669119-002
80.32	-7.4890587369-002	80.82	-8.8529092195-002	81.32	-8.0478482188-002	81.82	-5.2836520675-002	82.32	-1.2467997742-002
80.33	-7.5363561675-002	80.83	-8.8582472578-002	81.33	-8.0101832652-002	81.83	-5.2124382722-002	82.33	-1.1596189530-002
80.34	-7.5828942140-002	80.84	-8.8626990579-002	81.34	-7.9717221244-002	81.84	-5.1407120756-002	82.34	-1.0723327891-002
80.35	-7.6286683528-002	80.85	-8.8662645041-002	81.35	-7.9324687391-002	81.85	-5.0684806643-002	82.35	-9.8495002342-003
80.36	-7.6736741441-002	80.86	-8.8689424596-002	81.36	-7.8924270699-002	81.86	-4.9957513598-002	82.36	-8.9747938171-003
80.37	-7.7179070977-002	80.87	-8.8707341522-002	81.37	-7.8516012847-002	81.87	-4.9225314688-002	82.37	-8.0992963494-003
80.38	-7.7613629808-002	80.88	-8.8716384529-002	81.38	-7.8099955164-002	81.88	-4.8488283653-002	82.38	-7.2230954405-003
80.39	-7.8040374643-002	80.89	-8.8716539389-002	81.39	-7.7676140518-002	81.89	-4.7746494941-002	82.39	-6.3462787061-003
80.40	-7.8459263899-002	80.90	-8.8707833802-002	81.40	-7.7244611909-002	81.90	-4.7000023067-002	82.40	-5.4689338860-003
80.41	-7.8870256995-002	80.91	-8.8690293450-002	81.41	-7.6805413396-002	81.91	-4.6248943419-002	82.41	-4.5911487404-003
80.42	-7.9273314008-002	80.92	-8.8663861500-002	81.42	-7.6358589835-002	81.92	-4.5493331696-002	82.42	-3.7130111736-003
80.43	-7.9668395072-002	80.93	-8.8628570156-002	81.43	-7.5904187445-002	81.93	-4.4733263802-002	82.43	-2.8346088564-003
80.44	-8.0055462418-002	80.94	-8.8584424229-002	81.44	-7.5442251771-002	81.94	-4.3968816233-002	82.44	-1.9560297006-003
80.45	-8.0434477350-002	80.95	-8.8531423977-002	81.45	-7.4972830509-002	81.95	-4.3200066094-002	82.45	-1.0773615353-003
80.46	-8.0805403944-002	80.96	-8.8469581744-002	81.46	-7.4495970869-002	81.96	-4.2427090670-002	82.46	-1.9869226002-004
80.47	-8.1168205123-002	80.97	-8.8398900235-002	81.47	-7.4011722278-002	81.97	-4.1649967810-002	82.47	6.7989040716-004
80.48	-8.1522846771-002	80.98	-8.8319391590-002	81.48	-7.3520133508-002	81.98	-4.0868775642-002	82.48	1.5582984415-003
80.49	-8.1869293556-002	80.99	-8.8231058791-002	81.49	-7.3021254367-002	81.99	-4.0083592860-002	82.49	2.4364442787-003
80.50	-8.2207512828-002	81.00	-8.8133919311-002	81.50	-7.2515135864-002	82.00	-3.9294498218-002	82.50	3.3142401122-003

BESSEL FUNCTION EVALUATION N= 1

82,51	4,1915980817-003	83,01	4,5603823891-002	83,51	7,5637021215-002	84,01	8,7030162746-002	84,51	7,7113789571-002
82,52	5,0684308109-003	83,02	4,6346355648-002	83,52	7,6064857490-002	84,02	8,7040783372-002	84,52	7,6707060077-002
82,53	5,9446503280-003	83,03	4,7084164101-002	83,53	7,6485036905-002	84,03	8,7042684108-002	84,53	7,6292709968-002
82,54	6,8201695834-003	83,04	4,7817176215-002	83,54	7,6897519656-002	84,04	8,7035900736-002	84,54	7,5870781173-002
82,55	7,6949008310-003	83,05	4,8545319503-002	83,55	7,7302264894-002	84,05	8,7020414267-002	84,55	7,5441316770-002
82,56	8,5687566933-003	83,06	4,9268521770-002	83,56	7,7699233043-002	84,06	8,6996197586-002	84,56	7,5004360337-002
82,57	9,4416500519-003	83,07	4,9986711079-002	83,57	7,8088384784-002	84,07	8,6963307643-002	84,57	7,4559956942-002
82,58	1,0313493844-002	83,08	5,0699816198-002	83,58	7,8469683394-002	84,08	8,6921721736-002	84,58	7,4108151647-002
82,59	1,1184200931-002	83,09	5,1407766619-002	83,59	7,8843091214-002	84,09	8,6871459726-002	84,59	7,3648990649-002
82,60	1,2053684268-002	83,10	5,2110492230-002	83,60	7,9208571442-002	84,10	8,6812511832-002	84,60	7,3182520176-002
82,61	1,2921857399-002	83,11	5,2807923333-002	83,61	7,9566088782-002	84,11	8,6744897810-002	84,61	7,2708788017-002
82,62	1,3788633441-002	83,12	5,3499990806-002	83,62	7,9915608276-002	84,12	8,6668614110-002	84,62	7,2227842802-002
82,63	1,4653926111-002	83,13	5,4186626266-002	83,63	8,0257095988-002	84,13	8,6583676005-002	84,63	7,1739733118-002
82,64	1,5517648977-002	83,14	5,4867761504-002	83,64	8,0590519672-002	84,14	8,6490089302-002	84,64	7,1244508654-002
82,65	1,6379715797-002	83,15	5,5543329460-002	83,65	8,0915845358-002	84,15	8,6387868847-002	84,65	7,0742219386-002
82,66	1,7240040781-002	83,16	5,6213262685-002	83,66	8,1233042441-002	84,16	8,6277025570-002	84,66	7,0232917080-002
82,67	1,8098537959-002	83,17	5,6877495415-002	83,67	8,1542080585-002	84,17	8,6157566635-002	84,67	6,9716652965-002
82,68	1,8955121897-002	83,18	5,7535961720-002	83,68	8,1842928587-002	84,18	8,6029507576-002	84,68	6,9193479416-002
82,69	1,9809707226-002	83,19	5,8188596515-002	83,69	8,2135558000-002	84,19	8,5892864272-002	84,69	6,8663449751-002
82,70	2,0662208615-002	83,20	5,8835335190-002	83,70	8,2419941332-002	84,20	8,5747648447-002	84,70	6,8126617938-002
82,71	2,1512541008-002	83,21	5,9476113956-002	83,71	8,2696049751-002	84,21	8,5593876021-002	84,71	6,7583038235-002
82,72	2,2360619957-002	83,22	6,0110869175-002	83,72	8,2963857851-002	84,22	8,5431565840-002	84,72	6,7032769606-002
82,73	2,3206360724-002	83,23	6,0739538523-002	83,73	8,3223339333-002	84,23	8,5260734053-002	84,73	6,6475856237-002
82,74	2,4049679288-002	83,24	6,1362059580-002	83,74	8,3474468908-002	84,24	8,5081397351-002	84,74	6,5912366412-002
82,75	2,4890491407-002	83,25	6,1978371268-002	83,75	8,3717222372-002	84,25	8,4893575364-002	84,75	6,5342352991-002
82,76	2,5728713314-002	83,26	6,2588411923-002	83,76	8,3951577933-002	84,26	8,4697289029-002	84,76	6,4765874038-002
82,77	2,6564261746-002	83,27	6,3192121882-002	83,77	8,4177511239-002	84,27	8,4492556336-002	84,77	6,4182987777-002
82,78	2,7397053271-002	83,28	6,3789441632-002	83,78	8,4395002683-002	84,28	8,4279402399-002	84,78	6,3593753400-002
82,79	2,8227005180-002	83,29	6,4380312135-002	83,79	8,4604029318-002	84,29	8,4057846295-002	84,79	6,2998230462-002
82,80	2,9054034574-002	83,30	6,4964674915-002	83,80	8,4804572950-002	84,30	8,3827913157-002	84,80	6,2396479364-002
82,81	2,9878059466-002	83,31	6,5542472532-002	83,81	8,4996613862-002	84,31	8,3589625985-002	84,81	6,1788560619-002
82,82	3,0698997647-002	83,32	6,6113647847-002	83,82	8,5180133439-002	84,32	8,3343009432-002	84,82	6,1174539878-002
82,83	3,1516767530-002	83,33	6,6678144658-002	83,83	8,5355115978-002	84,33	8,3088090152-002	84,83	6,0554467449-002
82,84	3,2331287651-002	83,34	6,7235907527-002	83,84	8,5521542786-002	84,34	8,2824893561-002	84,84	5,9928418157-002
82,85	3,3142477086-002	83,35	6,7786881140-002	83,85	8,5679400053-002	84,35	8,2553447417-002	84,85	5,9296450801-002
82,86	3,3950255041-002	83,36	6,8331011300-002	83,86	8,5828671956-002	84,36	8,2273779889-002	84,86	5,8658629514-002
82,87	3,4754541045-002	83,37	6,8868244860-002	83,87	8,5969345730-002	84,37	8,1985920195-002	84,87	5,8015018589-002
82,88	3,5555255456-002	83,38	6,9398528179-002	83,88	8,6101407392-002	84,38	8,1689897669-002	84,88	5,7365683457-002
82,89	3,6352318625-002	83,39	6,9921810053-002	83,89	8,6224844086-002	84,39	8,1385742358-002	84,89	5,6710689452-002
82,90	3,7145650957-002	83,40	7,0438038241-002	83,90	8,6339646026-002	84,40	8,1073487177-002	84,90	5,6050102634-002
82,91	3,7935173928-002	83,41	7,0947161985-002	83,91	8,6445803081-002	84,41	8,0753162627-002	84,91	5,5383989702-002
82,92	3,8720808902-002	83,42	7,1449131727-002	83,92	8,6543302969-002	84,42	8,0424802112-002	84,92	5,4712417872-002
82,93	3,9502478020-002	83,43	7,1943897732-002	83,93	8,6632140316-002	84,43	8,0088440422-002	84,93	5,4035455112-002
82,94	4,0280103335-002	83,44	7,2431411947-002	83,94	8,6712305364-002	84,44	7,9744110964-002	84,94	5,3353169755-002
82,95	4,1053607733-002	83,45	7,2911625714-002	83,95	8,6783788793-002	84,45	7,9391849409-002	84,95	5,2665630414-002
82,96	4,1822914601-002	83,46	7,3384492374-002	83,96	8,6846589902-002	84,46	7,9031692607-002	84,96	5,1972906219-002
82,97	4,2587947253-002	83,47	7,3849965786-002	83,97	8,6900700517-002	84,47	7,8663676599-002	84,97	5,1275067750-002
82,98	4,3348629640-002	83,48	7,4307999887-002	83,98	8,6946116742-002	84,48	7,8287839362-002	84,98	5,0572184798-002
82,99	4,4104886687-002	83,49	7,4758549661-002	83,99	8,6982834588-002	84,49	7,7904219419-002	84,99	4,9864328264-002
83,00	4,4856642953-002	83,50	7,5201571479-002	84,00	8,7010850129-002	84,50	7,7512855940-002	85,00	4,9151569719-002