

Spotify Data Bayesian Analysis

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```
Logs <- data.frame(read_csv("data/log_sample_reduced.csv"))
```

```
##
## -- Column specification -----
## cols(
##   track_id_clean = col_character(),
##   not_skipped = col_logical()
## )
```

```
Tracks <- data.frame(read_csv("data/tf_sample_1.csv"))
```

```
##
## -- Column specification -----
## cols(
##   track_id = col_character(),
##   duration = col_double(),
##   release_year = col_double(),
##   us_popularity_estimate = col_double(),
##   acousticness = col_double(),
##   beat_strength = col_double()
## )
```

```
Append <- data.frame(read_csv("data/tf_sample_2.csv"))
```

```
##
## -- Column specification -----
## cols(
##   bounciness = col_double(),
##   danceability = col_double(),
##   energy = col_double(),
##   instrumentalness = col_double(),
##   mode = col_character(),
##   speechiness = col_double(),
##   tempo = col_double(),
##   valence = col_double()
## )
```

```
Tracks$bounciness <- Append$bounciness
Tracks$danceability <- Append$danceability
Tracks$energy <- Append$energy
Tracks$instrumentalness <- Append$instrumentalness
Tracks$mode <- Append$mode
```

```

Tracks$speechiness <- Append$speechiness
Tracks$tempo <- Append$tempo
Tracks$valence <- Append$valence

```

Tracks

##	track_id	duration	release_year
## 1	t_a540e552-16d4-42f8-a185-232bd650ea7d	109.70667	1950
## 2	t_67965da0-132b-4b1e-8a69-0ef99b32287c	187.69333	1950
## 3	t_0614ecd3-a7d5-40a1-816e-156d5872a467	160.84000	1951
## 4	t_070a63a0-744a-434e-9913-a97b02926a29	175.39999	1951
## 5	t_d6990e17-9c31-4b01-8559-47d9ce476df1	369.60001	1951
## 6	t_fcb90952-0c6d-4644-86ac-951f6ec4b3ff	178.39999	1951
## 7	t_20675f8a-3a40-40b8-aa9b-0ce64536c65b	165.82668	1952
## 8	t_7577ca53-5d0b-489b-a6df-ade8bbc895ef	197.82668	1952
## 9	t_8a461a4e-62e4-4e00-8433-f7f034fa9887	214.86667	1954
## 10	t_ae523005-8e7b-4746-abb7-3f401b973a33	281.16000	1954
## 11	t_30a43c06-41f9-4c84-9dfe-a4a7d254c873	542.40002	1955
## 12	t_b7836048-8004-4e5a-a22b-d7061437946e	374.26666	1956
## 13	t_d9d15ecf-003d-4c80-8a3b-41238838aea5	161.06667	1956
## 14	t_75cb62d5-94b1-41e0-99ef-62e392b8fae3	107.18667	1956
## 15	t_f666002d-109b-4673-b7d2-9f15321026f7	156.42667	1956
## 16	t_b4abeed3-a7f5-485f-998d-0c24053bbc37	89.77333	1956
## 17	t_66261e49-b0b0-4dd9-adf2-67efbe74a974	351.89334	1956
## 18	t_495b73c0-f657-4e63-aa10-39e83a205f49	136.02667	1956
## 19	t_1614598c-2080-4801-8140-07b01abf9801	154.00000	1957
## 20	t_23868fdf-cca2-42c8-a8cb-944e03c3c896	126.96000	1959
## 21	<NA>	165.28000	1960
## 22	t_4e9ebce3-3968-4ce9-a049-ff98d4ea6b59	169.16000	1960
## 23	t_428c8694-dbaa-4e75-aea5-ec64a735d88f	162.89333	1961
## 24	t_734aef3f-6ae9-44e1-8135-20234e050965	352.69333	1961
## 25	t_6a0a735a-7693-42d0-8175-d1b9f3e2fd09	512.73334	1961
## 26	t_b5f159ad-3e68-463c-8063-7c6142685266	429.26666	1962
## 27	t_17ed5538-5e2c-4418-86e5-9e5d17f4d665	120.33333	1962
## 28	t_904122f4-84e9-44fd-bea9-ea6353dfae96	258.56000	1962
## 29	t_14298687-3b9a-43fd-91c8-62adb784c505	151.86667	1962
## 30	t_71d75e40-95e0-4f03-8a02-ff9a8a044abd	152.16000	1962
## 31	t_949bceb4-9f66-47a4-ac9c-65f4cc0b082b	161.53333	1962
## 32	t_6fde8d01-5f03-46cc-9c6f-f2cd8507a2c5	241.88100	1962
## 33	t_5fb5024f-abaa-4f0c-a409-bf2056b544c0	177.70666	1962
## 34	t_1e5b24d5-6f38-438f-8359-3057b1d96ccb	151.56000	1962
## 35	t_1b51b488-8de2-4531-ab2b-67de9819c829	141.69333	1963
## 36	t_ec6275bf-02f9-4cab-b111-a5578965a83d	294.30667	1963
## 37	t_fc6d0bc5-83cb-4ee4-9ce5-c0f5182a79b6	147.60001	1963
## 38	t_5cac5eef-2d13-4a29-89f9-0122fce6ecb0	144.25333	1963
## 39	t_b979c553-9626-4e8e-ac78-8903f39641ea	153.33333	1964
## 40	t_8001df83-6603-44ee-a841-fc1e99a62f99	158.03999	1964
## 41	t_ed30b52c-6fd0-49d4-9288-7d6e77f50377	193.46667	1964
## 42	t_fb66ed74-7c45-475e-a2a4-a93052c2e8e5	131.86667	1964
## 43	t_2ff2c1d3-b631-47d3-8906-6965b8f25d00	207.14667	1964
## 44	t_ee10052a-40f2-45f4-9fab-881bc7dfc4a1	108.85333	1964
## 45	t_b8b39faa-d864-4553-8305-33c646dab382	154.20000	1964
## 46	t_4c4ff766-12d5-4fa4-a93f-b1d901ea2d67	156.56000	1964

## 47	t_cb092fb2-c995-4ec3-a359-460b40869e64	187.86667	1964
## 48	t_3b45b0b3-228b-45e9-baab-2782e98d3e97	174.82668	1964
## 49	t_4dfbfc97-1255-4046-b015-e0fb52f3718e	166.02667	1965
## 50	t_ddfcdce2-6b8b-49f4-aff0-93016f6c029b	253.73334	1965
## 51	t_f6ac5d31-cf79-4015-80ae-80f7c3c136e0	125.82667	1965
## 52	t_719abbd5-0481-488e-adae-e783036704ae	165.80000	1965
## 53	t_b78b281a-9ce2-42f3-98b1-7d59d9d3f0c4	197.12000	1965
## 54	t_8dd53931-4c2d-468e-9369-7f55fe670e26	186.25307	1965
## 55	t_f24016af-cb1e-4c7f-81ad-43723bc04a7e	145.62666	1965
## 56	t_1b763dd1-42be-4619-bede-58d17404516f	265.86667	1965
## 57	t_fdd5a0b1-62fe-464b-a27e-3048529e0276	218.01334	1965
## 58	t_252c3370-b49d-47ff-94c9-2763c0ee2770	119.80000	1965
## 59	t_e7357b84-9343-4be6-9157-8dcc51563717	116.48000	1965
## 60	t_2c4dd8f5-5526-4a77-8c3c-7249bf1c880d	200.48000	1965
## 61	t_5f33e15b-6c46-49d2-84ea-350c4ad31066	205.66667	1965
## 62	t_271df803-38b5-4cf1-9639-273fe281dc28	135.53333	1965
## 63	t_843e5389-9e42-4132-858f-8cc8aca8407b	165.00000	1965
## 64	t_d5b1dea9-a6fa-4812-adeb-920336e829e5	163.10667	1965
## 65	t_949ec21d-0f16-4e81-b0ff-aa362bfe21df	156.17332	1966
## 66	t_8e323a8e-5423-4dde-864b-d1b55a475def	145.00000	1966
## 67	t_b0076b57-c195-4ec6-87aa-1b68b6b1fe5b	162.13333	1966
## 68	t_e0a6905b-41f1-48f1-a0bf-3c0771f888f0	238.60001	1966
## 69	t_59c807c1-e523-4775-9c9f-01cc6cbf2af6	67.06667	1966
## 70	t_85a6e2c6-da58-4294-8315-290abaf423a2	182.17796	1966
## 71	t_d72491b7-c7fa-406e-9f90-633b0724e18b	208.55556	1966
## 72	t_32a2f117-5409-47bc-857d-b8a99724fb60	223.82668	1966
## 73	t_9244fc8a-9369-4024-9bb4-8adece36b425	327.88000	1966
## 74	t_7f9ed48c-a080-4e19-ab01-612abd761797	169.36000	1966
## 75	t_343ab62f-246e-4d8c-b01b-f352e97a665c	505.23999	1966
## 76	t_f6dd625e-e1de-457a-be95-da2a67ebdf72	149.24001	1966
## 77	t_022ac379-7d9e-4980-a1df-f21c14c71fbc	235.06667	1967
## 78	t_d1518289-bbc7-40f1-81fb-627812245f26	156.82668	1967
## 79	t_d2602f74-65bc-473d-9c26-653b0ff9e557	167.25333	1967
## 80	t_a5a8471c-3ac8-49e3-aab6-919e2e1282dd	170.10667	1967
## 81	t_785a20b7-b27b-4d79-8a9b-d0f2b8df5c49	165.33333	1967
## 82	t_3a60f2d0-f06a-4afd-b655-dcce0db4a8d8	159.00000	1967
## 83	t_b83393f3-68ca-4f20-9b3e-0ac4e52f5c8f	374.06668	1967
## 84	t_037534ef-46bc-49d0-9706-84c942c0dc80	177.53333	1967
## 85	t_86f17ff1-6886-467e-9ed9-d32da1b11f95	146.00000	1967
## 86	t_f37e521c-3d73-49b0-a3df-82253760dcf6	185.77333	1967
## 87	t_417424c0-e03c-418c-bd9e-4d153f799f05	277.16000	1967
## 88	t_212c2897-9fa8-4fa1-b456-c070ce424548	167.37334	1967
## 89	t_50cd8312-de3c-4ffe-afe5-f6c2bef362b7	166.97333	1967
## 90	t_36c186a1-9c99-45d5-87de-09e413f80974	174.18668	1967
## 91	t_67549795-8d6c-4c71-a527-81b12711a125	132.83728	1967
## 92	t_5c429681-9978-4717-8a6a-55e0a0f64801	208.84000	1967
## 93	t_445c4780-a9e9-4b9f-a109-82ec0f223f78	163.30272	1967
## 94	t_d0fd0d6d-ede5-417a-97e1-ed1ac1f7d64d	185.82668	1968
## 95	t_995f4622-a339-4846-b056-b2bb54b5a65b	210.42667	1968
## 96	t_03b8a369-8363-48f5-9d18-3a6020fbc573	220.56000	1968
## 97	t_fb1dd41f-3f64-4693-92f2-a5eec09d3f53	195.26666	1968
## 98	t_30016fc0-32c3-4f37-a30e-0f6d9e57b84e	238.60001	1968
## 99	t_aa5248e1-2ed3-45c1-8435-2f57c202ae9a	200.14667	1968
## 100	t_f9238221-20e1-4b77-9f7e-13a5b7e2ef7a	146.57333	1968

## 101	t_fc2a0b80-35e6-43b5-af5a-c300021177b5	194.16000	1968
## 102	t_406c7ca1-2326-4c73-8157-2844510500f6	230.45332	1968
## 103	t_5e0c4d62-f10e-418a-aff5-3d59cf82a1a2	216.36000	1968
## 104	t_aa6e8ae1-ae08-4e32-92e6-3dcd5f7d89a5	186.69333	1969
## 105	t_536c2c8d-0374-4bbf-848f-f69132e3816d	91.76000	1969
## 106	t_3c2c29b5-c738-42c0-83e1-ee0e88ac834d	182.29334	1969
## 107	t_369ab836-9776-4db7-80d1-74bea0b44ace	242.64000	1969
## 108	t_227ee06a-7e58-4c43-8f93-3fc8a85bf34c	186.85333	1969
## 109	t_f65d7293-8a25-4f3a-8b58-a6dfc73a2998	140.77333	1969
## 110	t_6e873034-f815-43b9-afe2-2877fb70e87c	96.46667	1969
## 111	t_c7c32e03-b40d-4cd3-b1a9-bca1b3f8c3ad	213.26666	1969
## 112	t_f49183f8-53e5-4872-af73-9ddc3f1bdd95	229.90668	1969
## 113	t_70e6856c-c258-4a9a-b21a-2444ee89a587	250.84000	1969
## 114	t_1a189907-6a94-446b-bb99-5357174db234	318.81332	1969
## 115	t_ba04138c-9d8f-4e0b-9f58-7621ca298c22	166.28000	1969
## 116	t_a2a12403-e43c-4fc5-b6c1-40c644b0290a	242.97333	1969
## 117	t_203c5cbe-62d3-4e90-9b10-573ccef0d18e	258.07999	1969
## 118	t_c5ae29ce-a63b-4df6-bfc2-bf65a42432d3	250.12000	1970
## 119	t_fd973bf6-ee6b-49ef-ae10-fa97d8cf44e8	178.92000	1970
## 120	t_4071becc-7262-426f-8065-7d27d4b15c2d	216.13333	1970
## 121	t_5b7bcfbc-4ef6-4876-8dc2-278aad2145ec	265.06726	1970
## 122	t_8ea573f1-3671-4c01-82c3-d84cc5bfea2a	160.13333	1970
## 123	t_0aab6e70-1dcf-4122-9fb4-a1d45eb52810	176.89333	1970
## 124	t_a57ee672-9f0c-4de8-9cfa-629dee9de3bd	256.35999	1970
## 125	t_56f37be4-e05c-43f3-90d8-b01e610c0b8a	178.77333	1970
## 126	t_9fc960de-c9be-4472-8157-341f58db2d02	160.50000	1970
## 127	t_49a1cee0-f932-4be8-af43-b6b399b6f2e3	198.37334	1970
## 128	t_a647b2de-0360-41fa-a472-99482595ef21	247.74667	1970
## 129	t_1354f85c-49cb-4250-ad77-b58d1fdb7e7d	115.94667	1970
## 130	t_147e89ec-8d1e-42b8-a925-d3ebed613a09	243.02667	1970
## 131	t_6729028c-73dc-415f-98c6-b9cb1410da79	354.64001	1970
## 132	t_71da891f-9576-4c14-bc63-dd2072e86354	200.16000	1970
## 133	t_fdd9fc10-7cc0-4ffc-a392-85ec1373ed76	171.01334	1970
## 134	t_64db8372-552f-4625-b3f9-2a15c48c7861	168.60001	1970
## 135	t_312e6a19-10dc-4438-bea3-ca08223eb1d9	277.84000	1970
## 136	t_cba39b77-c149-45bd-802f-f361393180e0	185.58667	1970
## 137	t_c19fd93d-7b29-43e0-ad92-0e52db7894bc	228.66667	1971
## 138	t_c330838c-feab-4b3f-9275-67a0517e7dd5	221.03999	1971
## 139	t_ef1ff461-6ca2-44be-9d6e-fc0f7b69cb9a	158.00000	1971
## 140	t_b845ae2a-3cb4-4d4a-9a12-fd8a80fa3058	235.56000	1971
## 141	t_86cce068-42ca-4867-af10-21d551d1852b	217.74667	1971
## 142	t_fd2dd1c6-0d2f-4775-b663-5db6d09ef65c	198.14667	1971
## 143	t_0872995e-6ff0-451e-a115-fd3bd3569725	228.72000	1971
## 144	t_f8c86f0f-21fa-412d-b09f-aff52aa63803	236.97333	1971
## 145	t_29b13aae-538d-4d5b-baf8-fe5501c7d9f5	528.15997	1971
## 146	t_66edf9dc-ee99-41af-a097-c0877072114a	362.39999	1971
## 147	t_5487f622-5641-43da-b263-d8954845d163	365.23999	1971
## 148	t_38068127-2c9f-407b-8d85-a4eb82992d27	258.83459	1971
## 149	t_537fbf20-d574-49e5-9997-6a6837e2ac87	436.00000	1971
## 150	t_68b2457a-e0a4-4331-9f10-e187d3b168b8	127.77333	1971
## 151	t_bb3eb956-9602-41e8-bc77-299dd9b17fbb	228.16000	1971
## 152	t_0c477ac5-4009-453c-992e-bf98f71e46f5	324.13333	1971
## 153	t_67f80fa3-0b8a-4e95-aed9-1f78f2143d7b	336.20001	1971
## 154	t_2155fa5d-3eb1-4ab5-802d-70e860c80a89	377.09332	1971

## 155	t_ccbf22bd-83c5-4f87-a0dd-9dd9552b6ff0	276.33334	1971
## 156	t_6399d993-c0f9-4ef8-841a-091da37ffd45	437.04001	1971
## 157	t_fade1b76-dfc8-4acd-8ac3-52dc4c0a2e02	253.75999	1971
## 158	t_e061af4c-f17b-42fb-a73d-ce44faf70454	152.10667	1971
## 159	t_f90e6ba3-2061-4f1c-a476-4dc6c41e9247	249.82668	1971
## 160	t_343d2b4f-4eb5-48b9-a243-5405160dcba8	183.84000	1972
## 161	t_0cea9ebf-dda8-46ce-b487-5abea6e62363	231.62666	1972
## 162	t_78c45caf-974e-4c6a-8e21-394f0d38bda9	212.30667	1972
## 163	t_e73f8223-fb0c-4351-a58b-bcacdad2e50b	219.62666	1972
## 164	t_2554d87a-41f4-40e2-a333-e7b9382f0e92	200.29334	1972
## 165	t_1d93867d-ec01-4dd1-a1b5-07713f75571a	191.63602	1972
## 166	t_5e9447b0-6bed-4994-b81c-e861eb99f13d	258.41107	1972
## 167	t_15ca6644-004a-4351-8fdc-de9dcf53c6b0	325.60001	1972
## 168	t_95610045-549c-46a7-bda3-d18bbac22620	145.86667	1972
## 169	t_9835532e-f7d4-40ce-b679-d54fc76c2d80	271.66666	1972
## 170	t_c4feb7ad-7a7d-43f2-8ad4-c2651bfe1f66	152.67999	1972
## 171	t_575cd0ca-0f85-44c4-9ac3-b67c91008a8f	335.82666	1972
## 172	t_7e7fcfb6-5cd9-44a6-a032-feff3d1220c9	300.50668	1972
## 173	t_5dd824d6-a5d7-462c-945a-2eb263118b0b	340.74210	1972
## 174	t_2cf3079f-899e-48bb-b6b7-36d267ea156c	256.82666	1972
## 175	t_f0a86025-382f-4a36-b5e8-0a6b70aa35f0	216.70666	1972
## 176	t_576751d7-7fef-4854-82ba-d28f4b1354ae	254.17332	1972
## 177	t_3bdf69ed-45a0-4018-8d9d-7030e63668bb	158.44000	1972
## 178	t_61077e4a-c533-458a-bff7-b1947a1c7cdc	149.96001	1972
## 179	t_87001019-71a1-4df3-a99b-47d386bf1e5b	230.44000	1973
## 180	t_db5c3d91-77ef-4b1a-8920-1efa45c652c2	209.84000	1973
## 181	t_c993b8b2-72f4-4a9e-a4f2-e2d439494b1f	175.75999	1973
## 182	t_5dac41dc-ce60-4682-9556-b0107c09da93	116.16000	1973
## 183	t_b34a6760-41ce-433f-8451-839e7ca402f5	222.06667	1973
## 184	t_3ab7861d-e7b7-4795-bdac-e47842d6dac9	235.69333	1973
## 185	t_b6819be3-8c73-44c5-92d7-e90b6faaabeb	547.10669	1973
## 186	t_5993a7e5-4fa2-486c-9f13-804d7aeffee2	295.46616	1973
## 187	t_6729e9f7-4f73-43ee-991a-bdf44a96ea3b	170.17332	1973
## 188	t_6b656ec1-c581-4f89-bc72-c822a5fd2b18	254.93333	1973
## 189	t_a2421b88-5d0c-450c-ac30-12caf4f8f63c	322.54892	1973
## 190	t_f274bb56-86a3-4d9e-90dc-d0beca0d49bb	329.02667	1973
## 191	t_70005965-0a3c-49c3-9098-6e46b52a3ecc	192.60001	1973
## 192	t_ea0d9181-c43b-48a4-b2f4-a9d811157b22	151.30667	1973
## 193	t_59576c18-dc0d-4ab4-ae36-6ad5d42d10f3	213.85333	1973
## 194	t_3ccacda5-934d-449e-9e51-ed129afd0b11	206.42899	1973
## 195	t_f11717aa-026f-426d-9e7e-258b5ca1729f	155.13333	1973
## 196	t_1168b77f-465e-4bc3-8fab-5e29d439f6cc	223.46449	1973
## 197	t_87af6688-e01e-41ee-a1f8-1a6c24b13b14	459.09384	1973
## 198	t_b78f508d-12df-4317-a096-2a47b4528393	149.46667	1974
## 199	t_4bc89ff4-50d8-442f-b421-fee8d5412815	405.97333	1974
## 200	t_dbcc752a-a91c-4764-8db2-02fafd44fb72	165.14667	1974
## 201	t_457f4a7e-74e4-4eb6-8478-44fa1589033e	315.46667	1974
## 202	t_b2fe7447-9217-406c-909f-ae4d539f9ee2	274.89117	1974
## 203	t_d4f21090-0e81-41c3-9086-4e37336b847f	183.73334	1974
## 204	t_5e2395e9-a535-4aa2-aa32-aac974a3fc30	160.02667	1974
## 205	t_cf9ac9e7-7b31-415b-a83a-64b65ea1d082	179.84000	1974
## 206	t_67a025db-916a-4ba8-a7df-b48f1495385e	341.69049	1974
## 207	t_04853b50-1885-44b0-93bf-3b3876799a1d	255.50667	1974
## 208	t_dddb1665-9808-4f5d-b77a-6c3d0009941c	209.37334	1974

## 209	t_f11f84db-e1d1-449c-873a-d7fac60cb990	313.89334	1975
## 210	t_2254c01e-d5c9-4b3e-a46f-817a9c6a79e8	376.02667	1975
## 211	t_3d3e03fe-4bd9-467b-a70f-d6ee4af54935	214.13333	1975
## 212	t_2f710f0c-a843-4f13-ba07-5ce71d804553	224.86667	1975
## 213	t_b2d43fd4-c06a-4a83-a4db-5e4069a33d7f	323.70666	1975
## 214	t_08e1dcb9-a5f9-4186-a486-8508745e0c6a	170.80000	1975
## 215	t_1597b71a-b43b-4df7-9b21-09cbb34eb187	451.68073	1975
## 216	t_dba8457d-204f-4170-8c7d-ac18f10ade86	231.67999	1975
## 217	t_3e15deb9-9794-4c71-8773-e693e433cfc5	194.45332	1975
## 218	t_03a67b81-4d4e-49ea-812d-7343ac69174b	402.37332	1975
## 219	t_79de50ca-7f59-495b-bba5-fa5b8ff1acd5	200.80000	1975
## 220	t_a763f3e2-6d0c-4cbd-98d0-7bec68b9bf49	239.21333	1975
## 221	t_590ab798-5162-49b8-9209-b947262ae1e2	253.29334	1975
## 222	t_ae5a80fc-e48c-495f-a0a7-1c27eb0674a6	250.06667	1975
## 223	t_5f88b642-4c1e-4b91-b7a9-8aadfb6a8171	126.37333	1975
## 224	t_41c8d26a-d60b-41c5-82d2-5c7d15ebdf39	269.73334	1975
## 225	t_faa63385-9547-4b18-b942-529285cc2ab6	249.29334	1975
## 226	t_09137746-c909-4e43-98fd-646c685485d7	233.65334	1975
## 227	t_a3dc982f-9110-452d-be53-fcde34d30d45	167.84000	1975
## 228	t_c476efd5-9d8b-4d0b-ba53-a363faba6e61	266.17334	1975
## 229	t_aef0a975-53b4-4ffa-86a1-9dbbe88e5d01	473.16000	1975
## 230	t_2042b2ce-163e-40d0-9335-7689c4018f57	272.82666	1975
## 231	t_fd6206ad-95b3-492c-bd4c-6f3208404ae3	144.17332	1975
## 232	t_d91015f5-a1bd-4043-bf20-dfc3062a75ee	397.16040	1975
## 233	t_d71c42e8-7c49-4573-9239-8e0390663c18	321.93332	1975
## 234	t_664f7760-090a-465e-93fb-e54365dc2914	224.60001	1976
## 235	t_ef2b7105-ffbb-46df-a397-a59f148e79e5	413.29334	1976
## 236	t_19db3c3b-ad4b-49a3-b4a5-9907149fe361	165.66667	1976
## 237	t_80159fa7-99c3-42b4-b512-6db43ffac462	274.34668	1976
## 238	t_7345e2b8-5f72-440f-a0fc-81bf7e8996f2	295.00000	1976
## 239	t_44849be0-bebe-4493-9365-a2f2dab351d9	210.82668	1976
## 240	t_2a97836a-53c5-417e-a25f-5d6f19b09847	264.98666	1976
## 241	t_4374eb2d-fece-409f-af4c-2c304e3393cd	296.17245	1976
## 242	t_f2f6077f-cb81-48f6-9b91-68388f927694	254.93333	1976
## 243	t_84b4c257-d78b-4478-a32c-16e5ce053102	328.29334	1976
## 244	t_3640427d-8e6f-46eb-9a70-252a7a36eb04	307.30667	1976
## 245	t_e7d130aa-07d2-480a-ab4c-3c9d844702ec	192.30667	1976
## 246	t_6e0f81fa-0291-47b6-bb4d-979102fc80db	340.46667	1976
## 247	t_b6de1b71-cec3-460d-905a-0b1f5297fcd1	278.79999	1976
## 248	t_a2245d3e-38f0-4b08-b11d-ec2bb3b1cf78	231.60001	1976
## 249	t_1e58ced2-6aed-414e-a572-fb1c47f2a5a4	826.81335	1976
## 250	t_cdc6f86a-67b8-4552-9497-5294d1b85472	211.77333	1976
## 251	t_c3409d04-5815-4782-a90e-5b84b7542091	243.00000	1976
## 252	t_7dc0b1a0-c158-44ca-acce-763887dfd93d	283.35999	1976
## 253	t_86b5870c-7351-4da8-a7be-0b62c1a62d53	287.57333	1977
## 254	t_9666814f-d81e-47b3-adac-f31129bfe228	195.53333	1977
## 255	t_04a08ea4-5358-4620-a013-d4bd31b7fed4	277.64001	1977
## 256	t_2923e7c3-6370-4c40-8a42-9789ab567f05	100.09333	1977
## 257	t_0d422ae5-c378-4ebd-b188-7da0bec0b10f	621.56000	1977
## 258	t_86ce71df-7df2-4467-adbe-787f7ca01aef	257.79999	1977
## 259	t_6ef9ac2e-f697-442e-9c7f-54d6f0eea1b3	307.10666	1977
## 260	t_ca0a648a-b2a8-4555-860f-8909e0ea7fa4	333.34668	1977
## 261	t_4f23a170-49fa-40ba-a837-3c5a8f60697b	222.60001	1977
## 262	t_058d291b-c80d-444f-81e8-8b3764547e45	243.92000	1977

## 263	t_d975219d-6de3-49ec-bee4-85efe748013a	240.29334	1977
## 264	t_b1f72a48-7871-44be-9d25-1b75b7c276b2	229.02667	1977
## 265	t_973fed28-655c-4d2b-ba0c-982bf84019f8	481.17334	1977
## 266	t_0511ce2c-6c61-45d2-926d-51fc1386254c	117.53333	1977
## 267	t_ae6ec224-35a5-433a-ad2b-28fa8019a0e7	225.49333	1977
## 268	t_3c860782-5911-4e2e-ab46-ca0213ad71e3	237.29334	1977
## 269	t_a24105e1-8715-4a48-81b9-b10fb894a372	269.64001	1977
## 270	t_db687089-f0cf-43fb-ad80-2b5569bd0b85	456.64001	1977
## 271	t_b17a2152-5a86-4241-a1d4-26b232b12a45	227.29334	1977
## 272	t_ce9f2ed4-e1ca-4746-af60-05c80573191a	260.69333	1977
## 273	t_d201f0e0-1ded-420b-93e8-73b59b869f06	574.73334	1978
## 274	t_19c2138f-aebf-4a92-ac87-b878d2620384	315.65332	1978
## 275	t_4403a370-3b45-43bb-8adf-9884fbf2367e	130.57333	1978
## 276	t_f73390f3-7837-4a94-9763-9bc5b07e8d88	245.63506	1978
## 277	t_e668ce40-81a4-432b-8455-e062413bcd4f	205.86667	1978
## 278	t_32a1b00e-a17c-4966-ba87-978a27f1c8f9	167.61333	1978
## 279	t_4a96fc47-d667-4337-a8fb-2290edd8024e	175.90668	1978
## 280	t_cd811ff2-cfbf-4ed3-aa21-090fac9225d6	293.30667	1978
## 281	t_d7a8f5cf-40fe-4e4b-8584-44082d1acfed	203.54668	1978
## 282	t_e201d738-8d04-414b-b630-8b1a7ff7b76f	138.22667	1978
## 283	t_81645224-6974-4d52-bbb2-1939cecf5bd	271.22668	1978
## 284	t_9659533a-c0af-4f76-bde6-f49ce24c138c	268.69333	1978
## 285	t_8fce42c8-210c-4b14-986d-d60a007cb3af	170.62666	1978
## 286	t_81d1a4fe-3692-40bd-9158-9b1c42895cdf	350.62668	1978
## 287	t_e1f83904-8043-4813-970a-df66d1f61dd8	267.77332	1978
## 288	t_75c8ec68-560b-4070-81e2-6cb0745dc846	191.50000	1978
## 289	t_51552e53-e204-4b73-850d-1c3816c9ab15	218.81332	1978
## 290	t_2b1f2cf9-67d8-47cc-9bb0-cb1dcad688c4	220.52000	1978
## 291	t_c3fbddca-8631-4ba4-8b7c-9953b6f0a141	300.20911	1978
## 292	t_934759b9-8641-4c38-92ca-7d1325c1c463	331.20001	1979
## 293	t_e74814f5-786d-4005-8291-5c3af9123cd2	295.39999	1979
## 294	t_720fd13d-0c5f-4aad-811b-1d51b819c7da	221.23421	1979
## 295	t_4e15cc1b-8bd0-492e-8eb6-8c9170d78105	220.89333	1979
## 296	t_44b5dfe7-30f9-4bc8-adae-c58ac0dfa208	182.26666	1979
## 297	t_993068e0-8f2a-4677-b8da-5431dac863e9	405.93332	1979
## 298	t_0b0e8f83-142b-451b-8ca6-153f9b35873a	329.79999	1979
## 299	t_d291648f-04f4-400b-8b7b-cf36a37f73d3	260.57333	1979
## 300	t_ddc9c03f-915d-456f-9269-3281c5c6c728	265.67831	1979
## 301	t_2f78acf5-8c68-45f6-adcd-91ab4d1ab521	104.11356	1979
## 302	t_613f9b58-0f57-4159-9eba-fc2e7b7928e0	284.16000	1979
## 303	t_3db4a7a1-40a5-4de8-9db3-1863790fd162	203.36069	1979
## 304	t_d29da3d9-40d1-4949-951a-19f48d5fd0dd	231.77333	1979
## 305	t_9d2593ab-f457-4a90-bb3e-b4df30b4b56c	213.75999	1979
## 306	t_ced8f080-b9d3-4b4e-a8bd-268536f46bfb	373.16000	1979
## 307	t_0d3a8670-b681-432c-8028-8a62e4e3f414	278.29334	1979
## 308	t_33a36dde-376e-4414-a780-9b66ea4a9f1b	160.17307	1979
## 309	t_8c4a0bab-2bd8-4e3e-925b-1742194ffea9	87.20739	1979
## 310	t_1e88d985-e34f-4225-a926-decb28561d79	238.74677	1979
## 311	t_9ed0ea6f-0aaa-4b9e-bdee-85d6b3a18401	217.57333	1979
## 312	t_782aee59-13d9-470d-a61b-cdbd18ecde6a	237.97333	1979
## 313	t_3bb2ef1b-bd0d-459b-8520-13ca4fcd8a41	159.34666	1979
## 314	t_ab0f6228-aa74-4e9c-9e43-09878358a50d	372.89334	1979
## 315	t_d17e410c-3872-4754-9352-5e8e75979316	184.52000	1979
## 316	t_7ad3f6bc-57da-4878-a754-bec552ef886f	276.49332	1979

## 317	t_275520d1-e12a-49c6-81c3-60bf92b25e81	138.39796	1979
## 318	t_cc71700b-3f9d-48da-a2cf-0d5539efefe3	192.14549	1979
## 319	t_f26ddbdb-dfc4-459f-ab40-7cc798e95799	161.78667	1979
## 320	t_b160af5d-1eef-4264-9058-3d0cd565527a	278.44086	1979
## 321	t_91d35ab0-77a5-4966-83c5-b7c93d1ffcbb	261.84000	1979
## 322	t_e892aba3-769b-454f-a611-1d9e74dc4b85	311.12000	1980
## 323	t_f48322ca-044e-4069-a797-4fedbbbbb522	237.00000	1980
## 324	t_4e8d2344-f657-47ef-8f03-a662401498d5	164.65334	1980
## 325	t_7096d05e-6658-44d2-98a9-3e0f04ac4f80	220.46667	1980
## 326	t_0781a792-b2c0-4512-a122-ff1b6b907cb9	297.73334	1980
## 327	t_eb7db605-5225-4e4f-b83d-c07af6b1dddd	304.00000	1980
## 328	t_aa0b0772-7d6d-49d6-be64-84a4a98311e5	184.65334	1980
## 329	t_9c2ac9fb-db12-4b20-acc5-4e3ce5d7dadd	211.57333	1980
## 330	t_e34aa69a-9b25-4d2f-bb77-a82249396d23	318.56000	1980
## 331	t_43e2b15c-041a-46d8-a939-366145b41054	321.06668	1980
## 332	t_9e50b814-2dbf-4281-b162-18aea4e58f7d	163.37334	1980
## 333	t_4a601be0-d359-48dd-8b3e-acf67972e545	233.56000	1980
## 334	t_b56f7d41-5308-4a06-8fa2-9b083a0b0cdf	240.37334	1981
## 335	t_8ba15854-2400-4415-b253-319a496bd763	291.50668	1981
## 336	t_d8b2e806-9e2b-4785-bce0-517cefbabeb0f	183.20000	1981
## 337	t_13d7c37b-293b-4bee-bd85-3f9def47ec22	273.86667	1981
## 338	t_d3b8c7d0-345f-4728-b278-f78118f57dca	150.22667	1981
## 339	t_f605d830-d28e-48df-bacd-4786c3c0505d	153.76254	1981
## 340	t_2e76486b-5b20-47d6-8b9f-ec13bf905caa	262.44000	1981
## 341	t_980dc26a-1bf8-4416-9e6b-40a823c94a44	216.53333	1981
## 342	t_76894e34-c5a2-400e-8914-16d297bf3d0d	243.77333	1981
## 343	t_5396574d-adf5-4dff-868a-5b4f61cb443c	271.51999	1981
## 344	t_ddc67c79-5139-47ae-b65f-345f04836bdf	257.86667	1981
## 345	t_32ec110e-33dd-4bd9-a9ec-51803730f3c8	169.26666	1981
## 346	t_c1796b62-1c15-4b21-8308-de57b8c72ebb	329.41333	1981
## 347	t_a05ca7be-33d0-4940-a48b-ab9f15e8ca87	241.57333	1981
## 348	t_b233f08c-39a1-4da2-921d-e56c38158db7	336.45334	1981
## 349	t_e4824824-f8b3-46ef-88de-71c3d0ee7ced	263.62668	1981
## 350	t_da11803b-57d6-43bf-ae14-9d3ec9698e10	144.33333	1982
## 351	t_1c5c143f-0773-4428-9d22-ceaafc58b4a5	312.60001	1982
## 352	t_5dd4b494-8272-45f6-a77c-643057ca5172	118.40000	1982
## 353	t_f79cc40f-0ba1-4841-8a6b-dd679592aaa0	122.82667	1982
## 354	t_705d9749-48e0-49a6-ad40-3869eb63d4ba	220.62666	1982
## 355	t_5931bb12-b92d-435f-9f6c-b73e6729c06a	134.57333	1982
## 356	t_c538df4d-d233-4b0a-8752-1629017e4070	233.96001	1982
## 357	t_b7ed1f60-3197-4e36-a946-0bb8d07ee986	195.02621	1982
## 358	t_028bc6d7-7bbe-43a3-a294-ef3df5654b8c	250.58667	1982
## 359	t_0ae9369a-1cdd-4a1f-b226-55ee1839fc93	310.41333	1982
## 360	t_f48a96b3-87a8-492b-8c36-40c8808f8dd5	197.73334	1982
## 361	t_533c9c49-3dbc-43dc-a115-96598fd27b89	123.30667	1982
## 362	t_61da143b-cf26-49df-b8dd-6b8f24a1001e	214.93333	1982
## 363	t_42454184-4358-4221-a2bf-e6847e1cd277	292.17334	1982
## 364	t_e311f490-1c19-4331-8287-c33366a77a6f	288.02667	1982
## 365	t_af7f327d-fdc3-4427-8a9d-15fd8fb584dd	198.80000	1982
## 366	t_193c121f-c36a-4ab5-b830-97258a3afe72	139.96001	1982
## 367	t_f4b88bc5-df39-4fab-b16e-bebcd9a0b58b	255.49333	1983
## 368	t_47aa9021-bfc5-4334-8569-def681151164	356.35999	1983
## 369	t_a52c7c4e-3547-43f6-b5e5-596cdd131be5	240.80000	1983
## 370	t_8c9edf73-f0f6-466c-99fd-1b7ad517ad42	241.59955	1983

## 371	t_91497066-39c8-4d49-a11a-f958316c0b5c	285.33334	1983
## 372	t_9dca492d-74cf-4abf-8fe7-934523037fe0	278.26666	1983
## 373	t_bb1a0661-51a8-4df8-9224-258b379ff078	267.42667	1983
## 374	t_25ed4606-46e0-45c3-9a25-1778d7580ff2	326.90668	1983
## 375	t_13209d5a-ef1c-4750-9b2e-91785308eb38	274.00000	1983
## 376	t_719c380f-9bf9-440f-b1d9-442164e9b6d6	241.33333	1983
## 377	t_ae78df5f-d353-444c-9052-2e1777ff1730	244.65334	1983
## 378	t_90cfd391-6fa4-413f-b47e-c53db1fb2844	327.13333	1983
## 379	t_69e9da16-cc9b-46eb-aaff-5773e83dfef5	211.93333	1983
## 380	t_2be0bdda-258b-4c0c-a90d-9a873e47d399	216.93333	1983
## 381	t_3bda93e0-8493-48a2-8cae-dd21c143b7c9	450.79999	1983
## 382	t_426d1a49-93cb-4e03-bbef-1fd07717dc03	201.39999	1984
## 383	t_02694a40-21c0-41f3-a1ce-0a0757b0e5b9	330.57333	1984
## 384	t_769a262f-6f89-428d-ba81-2d68147f0198	195.42667	1984
## 385	t_96a2c900-8964-4d86-99be-8e496f5cce26	217.09332	1984
## 386	t_9f5b94b0-5545-4946-9098-215ee86350c0	206.29334	1984
## 387	t_8a5deadc-f122-4fea-bd4e-42447cd3a3cc	137.70666	1984
## 388	t_e4c189b1-f67d-4176-9436-3643e198079d	233.66667	1984
## 389	t_ebe13d25-4d47-4bb7-9192-7fa176c4dd33	218.16000	1984
## 390	t_1a6bb689-206b-48a0-b761-4f1d45bd849a	296.74667	1984
## 391	t_25366bb1-e3ec-41ba-83c7-63de550ab97d	241.77333	1984
## 392	t_d74a35ba-0948-441c-9d27-ad2b37b1dddd	132.05333	1984
## 393	t_6316049d-65ec-4acb-ac2d-89669434da47	191.73334	1984
## 394	t_95d1052b-5e05-4580-a028-ee7fac744ee4	231.33333	1984
## 395	t_df0cfd6-4457-49ac-9fbf-92c59c074d39	141.36000	1984
## 396	t_4d396f1e-9dcc-428d-aae1-e7b48b4ea5ff	392.67560	1985
## 397	t_50057cec-09f7-4a0f-80b5-a80ed1dc1aba	292.44000	1985
## 398	t_1ecfc56a-cf72-4e49-8c4c-0dc420f5c40b	301.07999	1985
## 399	t_d5ce5979-0f13-4acd-9cc1-ccc711f96ebf	289.45334	1985
## 400	t_2921b4a0-ad7b-47b9-a0a4-d30a00b2f4d0	150.46667	1985
## 401	t_1dc7b9b6-3b4f-4971-ac74-1c0d09af3fd4	71.16000	1985
## 402	t_e2796395-6a57-4e8c-90ce-7de6630987f6	178.97333	1986
## 403	t_d6bf8c45-24c4-478a-af1c-bfb210767aff	222.70666	1986
## 404	t_69dfe211-74c1-42de-bfad-7536823e4120	193.00000	1986
## 405	t_a3d9ce7e-cb6d-443a-a42b-2471caf004a4	330.66666	1986
## 406	t_a4c47c1e-0a81-4031-89a2-e7b72bec3256	212.17332	1986
## 407	t_fc91e50-9a9d-4c48-972c-7873170d5027	134.00000	1986
## 408	t_552bf569-fadf-42a7-8864-a5c90b45e7c0	340.66666	1986
## 409	t_4f4fbe31-30a1-4ca5-94dc-92cd212792dc	268.54666	1986
## 410	t_c0c896ac-067b-4068-88a6-5f21b718ecaf	284.60001	1987
## 411	t_5467cd53-d58e-4d6f-ac02-37cc28229edd	215.48000	1987
## 412	t_cc405173-7cce-4d25-8614-d97a97283468	156.20000	1987
## 413	t_b2f6066f-8724-4ac1-b532-9e4252c403ec	346.95999	1987
## 414	t_72f875ea-bda0-47a1-bbdf-c8564ef78243	317.13333	1987
## 415	t_ccedf7bc-8986-43c9-92d6-50b84bce2641	174.18668	1987
## 416	t_14e9cd72-950d-40ba-a959-65fd58c83d32	316.09332	1987
## 417	t_88e62e48-2386-4ed3-a476-e39a11439d13	263.35999	1987
## 418	t_c37e105b-2c1b-4a0c-870d-0bb564db9951	184.54340	1987
## 419	t_5e7e4402-7f24-40dc-bcf3-33a49f984914	156.25560	1987
## 420	t_5574c118-3618-4a90-b72d-c341a1fea5e0	288.97339	1987
## 421	t_1111c399-16f3-4d78-8338-76e0c49c415a	314.60788	1987
## 422	t_cff6e4f2-04f8-4a94-9b24-8f1900610cbb	236.41333	1987
## 423	t_e2a14dcf-ee2b-4ad5-8210-f73b8025af1e	399.69333	1987
## 424	t_0acbcfb7-bc9c-4943-8124-48d18b6f8d44	322.73334	1987

## 425	t_c0d82732-6af1-4c0f-935b-83615c33a486	185.69406	1987
## 426	t_87ee69af-da01-409a-ac11-a74b522f5360	266.19357	1988
## 427	t_d5671517-c41a-4a46-9ef4-ad7bb77e596a	256.64001	1988
## 428	t_cb0a609d-2f12-4cf3-ab5a-841a7170dac3	195.86667	1988
## 429	t_ab0c9a96-393a-4bed-8bf3-5686ca3f58f7	256.60001	1988
## 430	t_5c5a67bd-1336-493e-9632-29b5d0b329b1	237.24001	1988
## 431	t_3599274a-c2c5-4fa2-bf0d-d4dae2a4cdde	308.66666	1988
## 432	t_ddd90a31-013e-46f9-8d28-249b10e2c8df	235.10667	1988
## 433	t_79958b3e-26c0-43a6-aa2e-e94c172de824	153.86667	1988
## 434	t_3281415f-d28e-4816-8d76-2c62369bf911	181.32001	1988
## 435	t_cb304a9e-7c3d-4ad6-a001-4b11b27331e0	220.96001	1988
## 436	t_ac110a13-2d49-40cb-a4c5-35194c0fb34c	168.72000	1988
## 437	t_0bbec6aa-9941-4242-aae1-706897e4823e	230.33333	1988
## 438	t_895a8887-877b-4577-abaa-d324f6de4541	163.93333	1988
## 439	t_2571df2e-fea9-427b-8939-428579f28658	276.46667	1989
## 440	t_848d3876-9063-4026-9cd2-2f83e2cd12c9	372.60001	1989
## 441	t_9e229564-728b-4e84-98ab-235e80545ad2	322.93332	1989
## 442	t_5e075560-dff9-45f0-b6e1-7c259592d6de	376.73334	1989
## 443	t_d7a52009-5082-4030-be6c-97e79f75bd3a	245.89333	1989
## 444	t_88bc7a9a-e048-4e8f-b5ea-83f6bdf2baeb	250.46667	1989
## 445	t_509aa4e6-5f9b-40cc-909a-69057eec6914	292.79999	1989
## 446	t_3c3a61d0-533d-491f-bf77-44c42fd73e2b	264.33334	1989
## 447	t_a9fef48a-ccdc-437e-9b64-8cf208e1a158	236.29334	1989
## 448	t_8f2b250a-a317-4c84-aaf3-dcd8ded67908	231.17332	1989
## 449	t_53651102-d89f-4ebf-b5c7-6015fee4b786	256.84000	1989
## 450	t_a157b356-11a5-4ddd-afdf-4270ec8b7e2e	201.13333	1989
## 451	t_1a52a930-34b4-41ac-80f0-7c7e360764fa	292.33334	1990
## 452	t_69474c93-da91-49d7-9cb9-629fa1ee0522	140.20000	1990
## 453	t_db9c08ed-64a9-4aad-8fc2-87a048942d95	196.13333	1990
## 454	t_981028f0-6956-48ca-97b8-3fecea7b32f3	251.57333	1990
## 455	t_9da5fff0-cf05-4010-913b-f25afe6787ec	321.06668	1990
## 456	t_8434b486-87d0-446b-ba5e-ee55d86953a7	173.84000	1990
## 457	t_af6ecdeb-1360-4c7c-b360-792378f2463a	239.69333	1990
## 458	t_b6cde453-1c72-4f7d-a5e1-a9c11c330a80	313.22668	1990
## 459	t_65c00921-0648-486a-84b3-db0a92d1efcb	263.35999	1990
## 460	t_e109d830-2625-4ff1-bceb-3544b6e56a4d	156.73334	1990
## 461	t_ff96e7e7-c2ba-4389-9b17-3a1c07a8c2d2	270.93332	1990
## 462	t_14d7287e-e18d-49d2-a4ff-81022b639dc3	272.82666	1990
## 463	t_f4aebcee-e886-4713-82f0-459db759c4b1	290.95999	1990
## 464	t_f2498f48-f9e1-4ef6-b9c7-830033a35037	281.84000	1990
## 465	t_4825e8e5-fd20-476b-b2ea-30a8f24292cd	179.61333	1990
## 466	t_325639b4-c4a9-41fe-92df-2e6022fff4bf	201.44000	1990
## 467	t_e042ec3b-9772-40b2-81ff-f84971fcc3ce	294.21332	1990
## 468	t_a8e54279-19b8-4603-9ac9-bdc038a073b5	382.95999	1990
## 469	t_c0c4a60d-60cb-4b80-93ce-e44f6d58c546	286.73334	1990
## 470	t_49c2a371-e252-43c6-8863-52305b7d5c81	211.06667	1990
## 471	t_3e0d376b-61e1-49ad-8d04-6b8ac77f11e8	220.66672	1990
## 472	t_145fd7cd-5a58-4ed3-8b23-56a631e6916c	188.42630	1990
## 473	t_5ef833e8-1360-4e18-8907-2aee04f3cb24	276.18668	1991
## 474	t_0c4bdaf7-23a8-45b7-b7cf-6660419824f1	233.46667	1991
## 475	t_ef525339-9407-495c-9a24-93ff88854775	178.49333	1991
## 476	t_b8417ccd-1d79-475a-be43-c437103d1350	327.38666	1991
## 477	t_7dc9baa3-828a-4700-b2a2-b9230a23611c	324.33334	1991
## 478	t_1f1b80aa-54de-4b8e-bdc1-1f5e515f6af4	242.10667	1991

## 479	t_035f7f56-8d88-4ccc-a59e-db3be86ab71b	252.61333	1991
## 480	t_6c31ec24-a803-4375-a8c0-b4551d412165	201.26666	1991
## 481	t_20e48a13-d765-4eb1-9413-bd73d909f7cb	240.80000	1991
## 482	t_45d11e66-8eab-4539-85ff-9213b1452783	268.77332	1991
## 483	t_615c20d5-46bf-4e40-b364-b7014e450991	250.13333	1991
## 484	t_bb2753ab-5b11-401b-9e69-7ade503cc549	435.22668	1991
## 485	t_0dfd33ff-f0f2-4cf1-992b-e2c0a5482aa9	157.33333	1991
## 486	t_13460efe-8695-4255-b96a-906e6d239f2c	243.33333	1992
## 487	t_59c16100-957b-4894-9526-ccbca57fd8f	312.66666	1992
## 488	t_78379c6a-96a5-401c-851b-5fc099b2e3e7	253.29587	1992
## 489	t_2919a74d-f901-43f6-b55a-d4216e8eb6c5	158.96001	1992
## 490	t_cb77c017-d51b-4151-b92a-6605fd5be95a	122.16000	1992
## 491	t_475e7eb6-ea81-4821-a11a-7f8718dda894	135.66667	1992
## 492	t_284aafb3-85d5-4225-ae70-45c561822f9d	160.47302	1992
## 493	t_472285b2-244e-437a-b94e-b3ca902e3a75	269.97333	1992
## 494	t_04e8e1eb-702b-4b5c-a669-ce4e4e3b162d	164.24001	1992
## 495	t_e3e90dc8-6af3-430f-ab22-2c3a30463811	90.61333	1992
## 496	t_8f49c7ee-dd44-4211-8b52-04082a26ee7c	292.65332	1992
## 497	t_e578e23c-27a0-4819-9ecc-b83b9b5aa04d	317.20001	1992
## 498	t_440a0acc-4a4a-4d22-93d2-f5ecdff16a01	327.93332	1992
## 499	t_6eef621d-bf82-4467-8896-cf0d1c36c6b5	215.16000	1992
## 500	t_118726e7-d360-465a-9f8f-f77c195d2793	286.93332	1992
## 501	t_293a2384-efa6-4305-bcc3-2ad15a6d8f8b	174.37334	1992
## 502	t_868882c7-2807-4f65-9ab7-197a7c2c6edb	177.10667	1992
## 503	t_1c0ec978-b219-43b3-ad07-76cab37cdbba	176.96001	1992
## 504	t_ecc61380-b2b7-462e-95e1-e09df87fb4a1	240.29334	1992
## 505	t_f47403d7-4c63-4f96-9aea-90a35aa858a1	213.15918	1992
## 506	t_67b2bf5e-c15b-473e-8e4a-df9020b50cdc	183.00000	1992
## 507	t_4e8b1af2-b086-48c5-8944-f0b429c2cfbd	289.16000	1992
## 508	t_d638b672-8886-4e2e-ac3a-b1e99e9b0a55	261.86667	1992
## 509	t_92f05797-d4c0-48a7-bb16-fa1ae26ea3c8	199.98666	1992
## 510	t_3edd9b1c-d31d-4e2e-b261-da91cd85de17	188.60001	1992
## 511	t_d77db996-ba36-4c03-88d1-c5aa299cf9fb	260.00000	1992
## 512	t_021b5573-a1c7-486c-a18f-d2cc5191287b	266.82666	1992
## 513	t_1107fdc4-a9a6-42a2-ae0c-a1b19613dbfd	166.00000	1992
## 514	t_d6d3e8e8-07b5-493b-85f0-9262cd458a79	435.94666	1993
## 515	t_5b9c2cbc-f220-452f-9b1f-ea66f9ee1a95	162.98666	1993
## 516	t_ac00dafb-510f-4df4-866d-8eed39cdabb5	156.66667	1993
## 517	t_60cb1569-5c28-455b-a2ac-31cc9afcd861	279.37332	1993
## 518	t_0a9034d6-d143-413a-be76-f11429f7585b	145.37334	1993
## 519	t_d73dc461-565d-4da8-a6aa-2a0129cf9744	295.00000	1993
## 520	t_347bbdd0-660b-4cd4-9735-68eb17fb8e6a	206.97333	1993
## 521	t_dd14b456-a6a8-4aba-bfda-458fa17bbb2e	286.72000	1993
## 522	t_535d13da-a1ad-4af4-8edf-26b1a7ca7a5f	272.50668	1993
## 523	t_a1aa39ba-0f0f-459e-90ff-6ca038f94c7b	356.16000	1993
## 524	t_86b3e485-6fec-4eaa-8857-7c7fd63e1268	203.57333	1993
## 525	t_3d249557-80a8-46a6-b08d-135475626eb3	161.39999	1993
## 526	t_6ccafabc-9c8e-4739-9531-6d95fac1fb0d	160.79819	1993
## 527	t_06ec4b92-8402-42d6-9b4b-7b3b7b67fbb2	413.32001	1993
## 528	t_01a36235-3093-4eef-ae68-05f11a590115	248.57333	1993
## 529	t_c8c5b7c7-77a9-44cb-b5f1-1c9fc5fe40b5	367.01459	1993
## 530	t_2c1dfc56-025d-4a30-9fd2-39678d3cb2dc	205.34666	1993
## 531	t_f210b1e7-0176-4455-a9f0-6dfe93599a78	274.09332	1993
## 532	t_621fc4f0-7726-4636-9c09-d36be809775c	218.26756	1993

## 533	t_5b6ecc0d-644c-49e0-8560-6080136550e3	187.24001	1993
## 534	t_095c863d-7036-4e01-87de-f511b1c9df62	267.30667	1993
## 535	t_b96c40fc-52be-40a8-818e-53a2b3d6438c	214.53333	1994
## 536	t_5ab2fb28-e7cb-4957-af45-ad2ec815940a	322.13333	1994
## 537	t_2c74f08c-b6f8-439a-b32e-712d18e1b229	206.52000	1994
## 538	t_85d1a747-62b8-482b-8cd4-9902245f185e	206.44000	1994
## 539	t_48187093-185f-4373-bbbb-f7cafd57deeb	212.09332	1994
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## 542	t_51b8036c-9c12-4bfb-96fa-ae32411a653c	289.56000	1994
## 543	t_135b1675-84d9-4edc-ac02-f84298199c6f	238.26666	1994
## 544	t_1ba11aac-249d-4fc7-bcd4-0ac0b06c9cb4	230.09332	1994
## 545	t_0619a2a0-69cc-4168-be96-875c73376dab	222.33333	1994
## 546	t_ccb01439-1fc0-49bb-b231-1fbb8a87dc6c	276.42667	1994
## 547	t_cf5e3ce1-8c48-436e-8486-6791e46f4cd1	79.84000	1994
## 548	t_0cc0f2de-32fe-4875-8d05-6d93c2b32f27	201.39999	1994
## 549	t_ed39c6ae-791f-4a09-a234-2665a359ca2c	181.97333	1994
## 550	t_881caf33-9b64-43a2-833d-39ac3124988e	268.70666	1994
## 551	t_2a1d826f-a606-402b-9a4e-8bb1aefe5562	156.36000	1994
## 552	t_efafa44c-da0d-4236-8b30-1aff6c566731	185.09332	1994
## 553	t_7a2b9c52-8d5f-4bd0-8b34-ce047f23c5b7	259.60001	1994
## 554	t_6698efc7-962d-40f2-ba64-219a79905790	191.49333	1994
## 555	t_1fd069d5-cbdc-41a9-8988-2b40c679f3cd	249.66667	1994
## 556	t_4225fcba-9c59-487b-83ea-6fc98244b431	510.96454	1994
## 557	t_a7765401-ad7e-4f69-b429-4ce09dcad073	234.09332	1994
## 558	t_d12bdd69-c048-4346-8f28-16fd3803bdf7	469.60001	1994
## 559	t_328b5be8-2a84-46df-97bc-4d791f29d139	251.56499	1994
## 560	t_339ed47a-9571-424f-8639-4242e0de7050	341.77332	1995
## 561	t_bff5cd83-68d5-4b8d-9ec3-5dafbb686431	1257.33337	1995
## 562	t_68cf1094-2872-481b-aba2-8a6b930751fe	255.62666	1995
## 563	t_cf28a66f-2fb0-4a48-b1da-ec219ca9b34c	222.01334	1995
## 564	t_a5d8591b-f7a7-4e7e-852e-3d81444b1cc9	188.72000	1995
## 565	t_b449d1f8-0d99-4a52-899a-e9105761dbb4	220.82668	1995
## 566	t_348d3308-fb6f-40a0-ac32-7f8f604369ff	167.90668	1995
## 567	t_3193ff8e-447c-42b4-be37-df9a598f4031	214.33333	1995
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## 569	t_4c8d17f8-61d9-4235-ba2f-13f9768179ac	341.86667	1995
## 570	t_6b2fe9ef-b8ba-4f0e-a659-26da6b978218	51.93333	1995
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## 575	t_d9204ae5-0ca3-4544-878c-20e773fd108c	238.80000	1995
## 576	t_642ed61a-fd7d-48ab-ae46-d82ba4179aa2	290.02667	1995
## 577	t_5e2d94f9-6aed-4e6c-bb18-a6717e82a498	302.90668	1995
## 578	t_3386f8fc-ea61-479c-b180-6ab2bda61c98	392.18668	1995
## 579	t_8a741bb9-6831-420e-a30f-0e1b270063d0	328.67999	1995
## 580	t_7e164990-070a-4a96-aa95-bf5dedf4e16a	232.53333	1995
## 581	t_d81ad4fa-2a9e-4284-90da-f49ddd128fd3	194.57333	1995
## 582	t_43d21fc1-567b-45ea-8c19-8d21047678bc	140.80000	1995
## 583	t_9d9b561f-3fbe-4b98-ad7b-a686c7b2c790	275.70666	1995
## 584	t_2b99ab27-0835-4dcc-9388-cd18ad2cfa0e	292.14667	1995
## 585	t_9e382fe3-6f32-4057-bf37-f96508307061	85.04000	1995
## 586	t_bcb1abdb-872e-4c3c-b003-80f4134d0c86	308.10666	1995

## 587	t_dd6859f2-1004-4967-8c09-f3c33f0781ed	267.29334	1995
## 588	t_6d78e283-695c-49b0-9b75-0b3f1fee54ec	263.56000	1995
## 589	t_9066c306-18b7-41f2-9014-e50ae66ab707	180.60001	1995
## 590	t_e412f454-2624-48ce-aeaa-c143d71cbc24	283.49332	1995
## 591	t_c9f0451c-5693-4610-94b7-e45ebabc4270	139.82668	1995
## 592	t_db5f03c8-cdf8-4d27-aaaa-ee0b5d35822d	188.94667	1995
## 593	t_490c96f3-4b25-46e5-919f-20c98ccf1089	314.86667	1995
## 594	t_1a5041d2-3ee6-4ed8-902e-c320000906b5	138.96001	1995
## 595	t_728887a5-1c48-4cfe-a75f-5824d1350618	282.25333	1995
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## 597	t_713cf1f2-3fde-4c21-9402-e815d88f042b	303.81332	1995
## 598	t_d5e4e584-0dc0-4509-a6ce-c3e6370b5a15	205.70666	1995
## 599	t_7f02e192-df6c-4d38-82e1-578aced9e72f	232.82668	1995
## 600	t_afa36dba-b5d0-49fc-9c5d-ce01650d1535	293.29334	1995
## 601	t_d5f704c0-5244-4459-b19d-915175962f16	190.53333	1996
## 602	t_308c706d-1179-450d-a2fb-011d7a26b951	143.48000	1996
## 603	t_324e9d12-a27d-48ea-bdc8-561c5f36f96b	161.00000	1996
## 604	t_aa0f10a1-fec0-4807-b916-688338622834	187.46667	1996
## 605	t_41c8e3d5-a320-4406-8798-533e19e23b6e	208.33333	1996
## 606	t_eac539df-856c-4c5a-91e0-e70c299e4c15	246.45332	1996
## 607	t_1b9d12a1-e470-44db-a997-5dbe0d430499	249.08000	1996
## 608	t_3c5055ab-5d6c-4724-8e57-ad9a8140ab0b	186.28000	1996
## 609	t_d7dcd879-5ad0-4d51-bf41-0a91377e4466	255.73334	1996
## 610	t_5b604bbf-6228-40d9-b197-9dbb6f038417	365.56000	1996
## 611	t_39603166-7ce0-4995-be87-78126c2daffd	207.93333	1996
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## 613	t_cd9b5679-2b13-4da4-b2cb-d5912c606f4d	159.84000	1996
## 614	t_2b48fd12-1841-4cf2-b818-f813079ef3af	358.45334	1996
## 615	t_ecfddc17-6d1f-4951-8947-f124acf80836	294.86667	1996
## 616	t_0dfaf9a2-b75c-4ace-b61b-25ea27b49d1e	485.16000	1996
## 617	t_70082349-b4bf-4613-bd42-266742b2c714	235.70666	1996
## 618	t_4dd87902-68ba-468b-b1c3-5b22d08e5cb5	286.46667	1996
## 619	t_a891d21f-3487-4169-a395-1bc0ed7f21ed	262.95999	1996
## 620	t_b7a09909-2e8e-4896-8423-dbf22d2089b4	254.54668	1996
## 621	t_fdf14791-36cf-4aad-b45c-a24a7c336a0d	330.76001	1996
## 622	t_d6ef29fe-f134-48b3-81ff-12393d97f487	243.26666	1996
## 623	t_a01aba75-7adb-44c6-b994-82b8a67331ab	198.70666	1996
## 624	t_cf89c6b8-acfa-4b11-9cb3-e5b7ee388d57	336.79999	1996
## 625	t_4e803f97-8d37-4359-b0de-6ab818359e4d	346.13333	1996
## 626	t_d7b83f47-542a-49b7-b0e8-f45229a82b4b	153.39973	1996
## 627	t_8b81bb76-f3d7-4876-bd40-ac2c6bdb628c	167.30667	1996
## 628	t_562c557e-19cb-4409-ad27-1dc6b57557ab	308.02667	1996
## 629	t_d9d67066-6324-479f-896e-dc0d8f7057a9	222.29334	1996
## 630	t_ece93c71-acb5-4de7-99e4-3ca5595ffbff	186.77333	1996
## 631	t_8fa719e7-11ea-4cae-bc28-37ca6c870913	259.74667	1996
## 632	t_d8566a3e-b17d-4afc-8564-af1acbf07c3	285.28000	1996
## 633	t_e8cbe9b8-8ce7-43a1-85e9-ec0a1b7bcece	224.16544	1996
## 634	t_ae4d980b-71d2-4925-a01e-5b940bf2b5b7	234.82668	1996
## 635	t_1ea3b27f-e6d2-478c-88a4-31e4d2b2c626	189.69333	1996
## 636	t_644a5d55-9a8e-4557-b33b-cd921ad5775f	208.01334	1996
## 637	t_90bad391-411f-4c8e-b026-3ad08417097e	307.93332	1996
## 638	t_85b26c68-7c62-4e6b-a6a2-d677d96610e3	241.97333	1996
## 639	t_c5d93061-aaad-4bd2-90c0-20862bc6ce9f	218.00000	1996
## 640	t_54d393e7-514a-4294-b0c9-1b5494ec08ef	142.94205	1996

## 641	t_c4454642-c4ec-4f08-91f8-0faa29e9f0db	329.42667	1997
## 642	t_25eace1c-024f-412c-b91b-259011178869	217.39999	1997
## 643	t_34b12238-81f2-4b59-a0dd-8758dc901173	344.81305	1997
## 644	t_efdaed54-a514-46fc-b88f-ef856dddf0db	267.69333	1997
## 645	t_62a32f26-2f27-4c4c-920c-51fafad2aba8	112.49333	1997
## 646	t_589c692d-c987-4797-9c28-452b356fb238	324.50668	1997
## 647	t_ea19e49e-e4a8-4e78-82a0-eb85edc41e68	324.22668	1997
## 648	t_884e45e5-07b4-4e21-b2ad-96b4a895a4b6	523.20319	1997
## 649	t_acce2188-0b4c-446a-9560-589611f1ec51	233.02667	1997
## 650	t_da5bc296-6232-46c6-b6bb-c67a96ec6717	301.39999	1997
## 651	t_71c8c82f-b936-4abc-8801-f6654b5ac876	343.41333	1997
## 652	t_054a89d3-ab4d-4aa4-a9d7-2b04a1c788c9	209.53333	1997
## 653	t_a9649621-905d-42de-a313-5fb8f2af311e	211.36745	1997
## 654	t_c6ccb22c-9856-4396-bba2-5a66ed136a1c	255.46667	1997
## 655	t_8c36179e-bbd2-4511-88a2-2ada1b76d1f5	262.62668	1997
## 656	t_f0a7e7c8-b98b-4d5f-8896-2afc57330aeb	277.26666	1997
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## 658	t_475b1588-1583-4ee3-b697-b16935ea5451	238.13333	1997
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## 660	t_2116661a-599f-436e-af1d-0c1e50c0ae7a	242.73334	1997
## 661	t_5cc3f206-d6f6-46eb-be1b-1e3a97d75c6b	175.32185	1997
## 662	t_ce4a297b-a4db-41a1-af74-a376485c27b3	194.72253	1997
## 663	t_3e5eb5bf-faa3-4610-8ebb-5a67f3a9bc23	163.39999	1997
## 664	t_dc04b0b1-c106-4cc8-8e09-701e64111505	232.54668	1997
## 665	t_01a31e9f-76dd-46aa-9cb6-ffefd85f6d0f	165.37334	1997
## 666	t_8c284e32-12e8-421a-a951-b1b48a689a3b	272.97333	1997
## 667	t_72261034-12bb-4f5a-99d7-d7277347a078	78.89333	1997
## 668	t_86ff5caa-2884-43ba-ba9d-c7a1d6fb8d6b	205.50667	1997
## 669	t_4fdcfdc6-3747-4807-899b-aef54d02c8e9	186.64000	1998
## 670	t_62aaf303-4233-4ae0-92ed-97f65b7432d1	224.10667	1998
## 671	t_305d2365-5ffd-493f-9fec-f98e195e8caf	315.37332	1998
## 672	t_2eb6549d-1836-48f1-ac7f-55f25f73eb51	199.03999	1998
## 673	t_1c28fa00-7ed5-43d9-8c6d-1d0d99f518e6	205.45332	1998
## 674	t_690effa0-f4c3-4509-9819-ccdc1f25bbff	208.99393	1998
## 675	t_dbc481bf-8d8d-4c13-9169-f98f43f275e9	211.00000	1998
## 676	t_3f7bba6e-b17c-4d4e-b4af-ca7d706ea5b6	303.13333	1998
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## 678	t_240d9171-be8c-4c08-8ba5-d8b3c5f6a5ed	227.38667	1998
## 679	t_5c73204b-297a-4f08-a54a-361ee0199707	164.33633	1998
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## 681	t_7a8fe7d5-f1a4-4bc6-97b3-23c3679d8abc	309.60001	1998
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## 683	t_3c9235ac-7d3a-47ee-af98-08bfe9a6d4f6	343.09332	1998
## 684	t_243429c0-e2a2-4b22-8905-f1209307e329	294.53333	1998
## 685	t_783f98cf-881f-4433-b5ef-61c99814b709	210.86667	1998
## 686	t_35632285-4f62-406e-9146-516041270ccd	259.93332	1998
## 687	t_a33c51c8-8306-46e4-a9b1-852613775ce5	172.00000	1998
## 688	t_229a2273-07ce-46a5-8e21-ed872aa18484	227.69333	1998
## 689	t_0e167daf-ac11-40ef-aa91-e4a830bbbed1	244.66667	1998
## 690	t_61c34b52-9dfa-4dda-9bb7-8c1c77eb90e1	103.36000	1998
## 691	t_aa81b550-ab5c-496b-b370-52f55ecbefc9	332.54666	1998
## 692	t_c10a5527-605f-4337-a3af-654137f434d0	247.06667	1998
## 693	t_41fb46a2-334f-415a-9355-97387c8e8fa1	140.29334	1998
## 694	t_834834e8-b44a-4477-ad77-07e99a8164d6	242.12000	1998

## 695	t_dad2c8f5-4a97-4c3c-ad40-8f9260c02740	213.77451	1998
## 696	t_b81d24f5-0d48-46f1-9c0f-9b3ae7976b07	165.24001	1998
## 697	t_acbb0501-95df-434b-b89f-445699cc82e0	266.04001	1998
## 698	t_d2d9beae-af37-46e7-ba37-c1c4cc6a7475	308.00000	1998
## 699	t_1aecd3aa-5574-4654-aa43-8ef4c8e21ff9	230.49333	1998
## 700	t_29daa2e3-da70-4409-a29b-f6b914d04070	284.67999	1998
## 701	t_cc7caafc-e067-4bea-9c5d-1b372cff1125	438.73334	1998
## 702	t_57be7197-52c6-4f04-a211-423fe703c44a	215.90668	1999
## 703	t_642cfa25-cd6f-408e-8dcf-71fd3b20d322	241.73334	1999
## 704	t_443d1408-d61b-4b35-928f-54fdb2a97730	231.33333	1999
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## 706	t_13e75c13-cff0-4298-ae83-80d3847c40f3	275.10666	1999
## 707	t_53ef69fe-7361-4f3f-be92-0058d14bfe40	296.42667	1999
## 708	t_fafb5586-4f28-498d-9a86-75d092bc2d52	249.75383	1999
## 709	t_3d000e0c-e7e4-4d5f-b6b8-01bd62075de7	186.39999	1999
## 710	t_c464383c-69a3-4f03-a512-801249e451e9	209.06667	1999
## 711	t_5b0529dc-1690-4fa8-88bb-5aa2fafde729	292.39999	1999
## 712	t_d2414f21-befd-4ae2-91a1-1dfa8b869579	366.73334	1999
## 713	t_212797c5-f43a-4276-b1a6-743cf1b0c9e9	199.96001	1999
## 714	t_137c25d6-5b7e-4eda-a84f-4f5c95db1092	209.49043	1999
## 715	t_da1d61e5-2235-4939-9144-e53f947f49a5	422.35999	1999
## 716	t_dfec785d-1519-4614-83b9-9b757f1bea95	396.77332	1999
## 717	t_0f9d24e1-a065-41d6-9bf7-ff5e753220fa	470.09332	1999
## 718	t_8f545118-c663-4f8f-9f94-c2d03e75a05e	255.37334	1999
## 719	t_ac48fbd1-6862-41cc-b44a-eeec8af6ef10c	289.56000	1999
## 720	t_3e4740e5-22c4-4685-8d31-339ff1c45f75	238.73334	1999
## 721	t_5f0a7671-9dab-494f-9650-2d7e9dc29849	168.00000	1999
## 722	t_13dcff4e-a404-4aea-bc96-785cce66e12d	192.72000	1999
## 723	t_bb0491e2-8d0e-4615-9408-548d50b93d04	272.37332	1999
## 724	t_3429645c-fec4-45df-93f0-fadaf520bc42	252.89333	1999
## 725	t_f9057552-d633-42e3-ad70-a491e61a14f7	213.90668	1999
## 726	t_79773f35-92d9-4e53-a452-4c15fb55d120	274.79999	1999
## 727	t_a2ce59da-3327-4456-8cae-a115d1689fef	256.60001	1999
## 728	t_797ea1a0-69dd-485f-9d44-7a09e8d3af41	240.22667	1999
## 729	t_4f2da182-1c61-4fc6-b34e-f2c1815cd272	228.17332	1999
## 730	t_aa4dcd9e-b5cc-4894-9afd-3dd5784f59ff	524.49335	1999
## 731	t_0ad12715-02c1-423c-b40a-4ce8fa9c76fa	191.82668	1999
## 732	t_688a18b1-5936-4953-969e-8e1a8c40c5e3	218.60001	1999
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## 734	t_f1f24e72-614f-4ef5-8ed1-ce265ddfa986	201.82668	1999
## 735	t_c4ac24ec-1213-47f6-afa8-32462a963423	223.70666	1999
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## 737	t_85d77381-0f97-4a70-8659-db9a9f48678d	238.89333	1999
## 738	t_754b2f8b-5998-4ba2-958c-186aaa589905	256.25333	1999
## 739	t_e6ec4b3c-4747-4706-8559-1cff78929f26	212.78766	1999
## 740	t_cb8c9171-e075-4d8b-8526-c216cac18a61	253.17332	1999
## 741	t_3e05780e-9d1f-48ae-89be-4492f21a5228	164.10667	1999
## 742	t_262191af-1819-406e-8a18-143067d45a27	186.04408	1999
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## 746	t_c8af6895-6943-435f-acfe-ab59d2247532	201.60001	1999
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## 749	t_4e830a5d-4bd2-4d99-a780-2ad244e5e185	227.60001	1999
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## 753	t_69689a64-f203-4432-bfd8-ae926a2ee630	260.50668	1999
## 754	t_6ba1411e-a120-453e-ab47-c3f66cc1dccb	332.73334	1999
## 755	t_4c5bc3e8-1761-4d9f-ac1f-1ec50c9fb6e6	232.30667	1999
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## 757	t_f9f9c87c-ddf3-47a3-8606-5f29df7295b2	236.93333	1999
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## 759	t_0939c945-c869-42a3-874c-cde6b968107d	300.93332	1999
## 760	t_e0007cc5-4f7b-4280-9f02-a209d9b23ca8	218.18668	1999
## 761	t_95694fd8-9d3f-49c8-9d46-78bd69aa3972	222.18668	2000
## 762	t_28aa3e04-cee7-4a27-9368-f54ccf590f1e	248.84000	2000
## 763	t_6d125ecf-416d-4a70-af48-a4a63e9a1660	175.41333	2000
## 764	t_9a555c6f-8333-4ea2-bda7-6d89f0b1f2d8	260.26666	2000
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## 766	t_aa4b37a3-7af1-439b-9767-5747c0020f1b	257.25333	2000
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## 782	t_5cc09165-e060-421c-ada3-49c7e584dc5f	242.00000	2000
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## 789	t_9823c18b-ed76-4e9c-96f9-2faca5a7d29b	227.49333	2000
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## 807	t_f74a8efb-d66b-432b-adea-3d2ef2168186	229.60001	2001
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## 828	t_5065f69e-1afe-4b4a-b45f-d884b5238c86	281.42667	2001
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## 830	t_a8f28fe4-abfb-4cc0-93e5-93605dd1bf3c	141.00000	2001
## 831	t_135fbbf7-e634-4ab0-aa6c-f07c5e4b5c89	328.34576	2001
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## 834	t_10ff0a20-c260-4166-8042-be54ec1ee7ee	165.36000	2001
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## 841	t_b4701445-8fb9-4528-a81a-dafdc65f8884	171.53333	2001
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## 843	t_2beee490-aa79-4387-b3b1-30c35268be92	198.60001	2001
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## 846	t_ad323c44-1a7c-4b15-9fa8-964005a171e2	193.05070	2001
## 847	t_e4e4ac61-ee35-4a31-819a-7ccd7416cc11	206.10667	2001
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## 851	t_22d00a0c-7eff-4dc1-9bd6-8fe5848fc3cf	237.66667	2002
## 852	t_24995910-811d-4247-941d-41340dad1e6	232.00000	2002
## 853	t_f9b3ea28-cda1-46ee-8564-f3581443aeb7	219.33333	2002
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## 855	t_c9be5baa-7463-4075-a312-fadeec56abc3	244.88000	2002
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## 862	t_3889e344-bb06-4623-b996-4a2950e0053b	263.28000	2002
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## 916	t_f7e540ab-e402-4e98-896f-6dd567554996	508.48001	2003
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## 1036	t_d6bc0f7c-392a-4665-bb5f-55a84643f280	218.57333	2005
## 1037	t_e899995d-c700-4f03-a12f-12f7283e0684	288.60001	2005
## 1038	t_ba72962f-f6ca-47a1-bee5-22e1ae1c01f6	281.22668	2005
## 1039	t_9abf17a8-78f2-4369-974e-a4cc171025a9	157.75999	2005
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## 1043	t_76877584-0bb9-48df-90c9-5fab795da465	319.87973	2005
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## 1046	t_550c1523-bbad-4882-ae10-85cc33db9967	441.56000	2005
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## 1049	t_6bf42621-3394-42b4-9b6d-92f826e942ce	213.57333	2005
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## 1051	t_ff888e9a-2be9-413f-bb32-b32aa01824fd	423.20001	2005
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## 1054	t_14727154-26af-4560-9216-6899712361e2	207.57333	2005
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## 1059	t_d2667549-f57d-41d2-a126-18657be2b675	219.36000	2005
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## 1073	t_b9690301-3182-4f27-8d98-3815e97df841	318.84000	2005
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## 1075	t_520b285a-8df7-40fd-be31-dddd1da4f66e	253.03999	2005
## 1076	t_43257502-9667-470f-aec9-42890c8d2882	389.42667	2005
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## 1083	t_1546ef94-75df-4fb1-bdce-629103295d05	200.74667	2005
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## 1086	t_6e33174e-cf39-4041-8e87-8398c741115e	275.00000	2005
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## 1088	t_08109dfd-fb4b-402b-a777-113ea5f0ae81	268.56000	2005
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## 1103	t_1e00d4be-d6a2-4c64-b1f2-64b92cfc4526	147.29334	2005
## 1104	t_13db2e21-2227-4f85-a19a-91a14d2a40e9	199.78667	2005
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## 1106	t_3febd0a2-63e0-4db9-a077-0cf19a6ba418	174.66667	2005
## 1107	t_2ea6daf8-aa54-4658-8f93-fc46ff8a3e82	179.21333	2005
## 1108	t_55bf98d9-6879-4781-8537-22e26ade267d	281.88000	2006
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## 1110	t_4adc47ca-f2e6-4660-9236-7b875a25c192	158.80000	2006
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## 1113	t_a7df67f2-2e99-4838-9b1e-c1c4fcbe9a7e	389.13333	2006
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## 1116	t_322649dd-3db5-4c31-a952-d067bcbacbc	213.75999	2006
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## 1118	t_49ad8ed9-2a7b-4c76-8c0b-4437d49b51be	251.16000	2006
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## 1125	t_41e54026-875b-48cc-b4d4-177f9ee16b32	245.80000	2006
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## 1133	t_5a70b22f-6e89-429a-9c66-12dcc1457ca9	149.64000	2006
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## 1136	t_4c9de2e3-7dc7-4028-be7e-613213dc971a	277.78668	2006
## 1137	t_f4af1eb1-3d8f-412c-92d1-70b68fc9b3fc	259.13333	2006
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## 1240	t_63e08d49-eccc-4147-9d56-8425a6ba25da	191.25333	2007
## 1241	t_cf8e8f73-150a-41aa-b349-7cd084093f94	295.20001	2007
## 1242	t_83344829-ae2d-46d2-89f5-057438481b00	228.61333	2007
## 1243	t_8af0615b-8bdf-4fc8-b67a-79b7e0fb3d86	202.60001	2007
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## 1247	t_fe723beb-87cf-4fb2-9cea-e0d9f585beb0	220.65334	2007
## 1248	t_f58124ee-bd59-48c8-948e-4f91565be44e	245.46638	2007
## 1249	t_4be2e362-0338-477a-ae3c-7855241cba48	369.16000	2007
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## 1252	t_a8f498a3-2b38-4cf9-bf73-73033838af41	301.00000	2007
## 1253	t_d4485c36-7c9d-463f-a6cf-d6d74d87efa1	246.28000	2007
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## 1255	t_f0714d30-6047-4168-9694-ab7194d3b82c	265.06668	2007
## 1256	t_bd7c74e1-41f2-4e4b-938b-157b03855e7d	244.13333	2007
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## 1259	t_7db8817b-6339-4dc6-92c3-a4146616fccd	243.56000	2007
## 1260	t_5e941737-7543-487a-962c-720a37b77709	186.77333	2007
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## 1262	t_0305bcd-c-1749-4993-a382-473bf3735a69	255.45332	2007
## 1263	t_5b568901-b6b7-4a89-b0fa-faf96d7a5ef8	129.67999	2007
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## 1265	t_8d3f3555-75f2-4492-909f-1a0ce7774587	195.09332	2007
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## 1270	t_54608018-ea02-4db5-8c97-7964ebfa96c5	247.24608	2007
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## 1272	t_5009cd57-61a8-4605-9c2b-18c7ad6db304	223.65334	2007
## 1273	t_a6551541-37d0-45db-b4b7-90d5720bbfae	105.78667	2007
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## 1277	t_0dfff193-cae5-485e-8224-1adf06a65978	244.02667	2007
## 1278	t_f8b258a8-ff2d-49a6-8b5a-65862f8c5d55	271.17334	2007
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## 1281	t_078bf9bc-b723-4c68-9613-4d1a18a68a91	199.94667	2008
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## 1283	t_17c8a9d5-597c-4cf9-9645-ec3b215ce6f8	133.12000	2008
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## 1285	t_f6dae362-e8ec-4bdf-a335-a8de8aebc531	200.21333	2008
## 1286	t_3e417ac6-14e9-4832-af51-4d678eae681	312.98666	2008
## 1287	t_3a859322-698d-4a37-9fa4-0cfdfa483899	192.00435	2008
## 1288	t_fb2bc10e-cf8e-4ce9-8b23-a7bf679bce05	210.39999	2008

## 1289	t_0aa9ddfd-7950-4f9f-8dec-38e738315d46	209.48000	2008
## 1290	t_728dc9d8-7cdc-4068-ac3b-87e016a8e215	232.00000	2008
## 1291	t_e5a6bec7-9a76-4cbb-9f11-7f6b91a9bfd9	201.96001	2008
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## 1299	t_a9cbfacd-19aa-4c27-b8a6-4358cf28826e	125.60000	2008
## 1300	t_c8c23e38-7d72-4c5b-b1a4-55edb25e7168	176.25333	2008
## 1301	t_d01b88e2-178f-4f1a-9d4c-5d7ad3ddc27f	214.74667	2008
## 1302	t_df306b65-e1b0-443d-b3aa-304d5354086c	234.42667	2008
## 1303	t_2df66f64-8990-4f82-b78e-db291d082529	242.96490	2008
## 1304	t_33e0da9e-6d27-4bd9-af2e-d615f5067064	292.76001	2008
## 1305	t_fb15a78e-3899-46b9-a0e9-3c221fe61668	180.03999	2008
## 1306	t_85cff393-bf95-4b86-952f-61f8951b6259	243.77333	2008
## 1307	t_460d1361-edb5-44a1-a3bb-17551ebdcd96	295.00000	2008
## 1308	t_c6f2b73c-d138-4e5b-9dc1-64b511bb365f	224.65334	2008
## 1309	t_610551eb-4b8d-43ce-85b8-055c5d660d00	199.54668	2008
## 1310	t_1eb1e732-3581-47f4-aade-b432d5117342	111.37333	2008
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## 1312	t_6850c503-c280-47da-aaab-4017f1daf5b7	177.82668	2008
## 1313	t_036ee1e7-5cf3-4d39-a554-16b9f3279d3b	203.89333	2008
## 1314	t_d08e8d87-2637-49ce-ba78-975608aaf7f2	195.57878	2008
## 1315	t_482082f9-c6aa-4e5a-b978-21c9b8da53b5	92.73333	2008
## 1316	t_4582aa45-531a-4d77-9fd7-9dd0b1e3cde8	299.33334	2008
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## 1318	t_0eb4c789-d68d-4850-80cd-70d1d29e0542	406.70666	2008
## 1319	t_21e2b409-4e9b-42a9-92e9-d0c0a2c1a98c	254.53333	2008
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## 1321	t_f9ea8ada-070c-41c4-b8b3-4c587a1a16cc	287.18668	2008
## 1322	t_6087afa3-0d08-4ddd-b6c1-0014d9d8460c	274.04999	2008
## 1323	t_63eb1364-37f9-446e-b77c-0f77c53d3fcc	244.78667	2008
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## 1325	t_1ed92f60-1b3d-4f03-9d73-d7120ba9e2aa	241.88000	2008
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## 1329	t_789cd621-04ee-46e4-928b-a018fde98d9d	187.37334	2008
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## 1331	t_16451a10-13df-437e-8af5-bbbc55329692	276.41333	2008
## 1332	t_c2f0e201-9f3a-428c-b723-b5f5ec693318	260.39999	2008
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## 1340	t_ca343e8e-70d7-4304-9559-6bf7f7c01316	172.00000	2008
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## 1345	t_69efa26c-6efc-44b4-b0ef-881edab83161	259.00000	2008
## 1346	t_0ddf7e14-9bdf-4d7f-85a7-d529b621c94d	377.60001	2008
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## 1359	t_efa8f751-489b-4080-b98f-0b400b98bd90	309.30667	2008
## 1360	t_ed6459a6-e18a-4f1c-b19b-1f31495d9da9	213.77333	2008
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## 1366	t_2acc4535-a958-409c-9331-260546ac7e54	73.90667	2008
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## 1368	t_3d2a661c-b022-4be5-8507-6cac8f54d606	286.00000	2008
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## 1379	t_310f7182-ac4a-40dc-8646-c4477c504e88	197.01334	2008
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## 1387	t_d3eeb3f9-a0f7-4f88-91e6-5efa1ebc49f9	235.80000	2009
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## 1415	t_10755771-1100-450d-a514-914346cab0d1	230.67999	2009
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## 1424	t_95037e64-0039-4468-b44a-253d56d47eed	174.10667	2009
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## 1445	t_39926918-1360-4cb3-805e-04c83e8a5174	257.56000	2009
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## 1447	t_47a0f557-119b-456e-a538-9aad9f0c285c	156.26666	2009
## 1448	t_145505e5-39bf-4618-b386-6f4cb9b9dee9	234.56000	2009
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## 1450	t_20d44654-d7dc-46b9-9905-9669b9712749	199.02667	2009

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## 1460	t_ae436681-f021-4863-be5f-392a9f50ad0d	187.32001	2009
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## 1467	t_377d7803-f355-495c-bb1d-cb01757a68ad	187.84000	2009
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## 1477	t_d877cb52-f281-461e-b9c3-0381845675d7	268.56000	2009
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## 1482	t_917a2786-869d-4434-9aec-313ca6343b5d	66.30667	2009
## 1483	t_2fcbabae-24fd-4fc3-ac12-8d740ea1964e	177.75999	2009
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## 1503	t_7bff2432-ba64-4409-bdb0-543e56ed12c3	362.14285	2010
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## 1505	t_ab187edc-69b8-4cde-95e8-387ebe25706d	200.78667	2010
## 1506	t_062a3acf-9a03-4954-a4f7-5ceaa209dae6	181.94667	2010
## 1507	t_28166479-0222-40dc-9f71-0cd4b9ff3952	188.37334	2010
## 1508	t_342abc22-4a22-49cb-889e-29d3f90aa491	161.90668	2010
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## 1517	t_87a62188-0091-4ec4-9347-296943662fd3	209.92000	2010
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## 1520	t_5268b75c-cc72-431c-a30b-54790540d374	399.53333	2010
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## 1522	t_12145482-1947-4d2a-929c-66727d358797	243.44000	2010
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## 1526	t_595b9aba-6878-408b-874b-ac55b0eb5e7d	146.26064	2010
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## 1528	t_9b7d6b9f-25f1-42da-b84b-603b9e12a694	234.65334	2010
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## 1531	t_168cb73b-76ca-4ce5-8224-2911d2710497	163.85161	2010
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## 1533	t_16c55ddd-ea96-46bb-b1e9-49325eb7788e	197.37334	2010
## 1534	t_5954ccc3-11a6-4f32-a886-bafe96643ab9	590.33331	2010
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## 1649	t_891e2741-b9d9-44bd-9cb4-4e0f4a5653a9	201.46667	2011
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## 1651	t_d8468a0a-6c03-48d4-8e55-40ef5d3e4914	221.65334	2011
## 1652	t_77340384-8f56-4a21-b866-75fbce8c1e07	313.67130	2011
## 1653	t_f7d5dc11-ae92-4544-9c70-6f041949c89e	166.96001	2011
## 1654	t_e9670008-4fb6-4077-bd0c-9f7a464a77e8	214.08000	2011
## 1655	t_1799094e-ac58-4213-9e2e-ac1360afa5d3	104.38667	2011
## 1656	t_042fd49c-1b78-406f-a21e-4bedaa6781ac	310.14380	2011
## 1657	t_db8f3f47-8181-4c50-8982-25c2ab3d0c15	269.12799	2011
## 1658	t_7454bb5e-177a-4d23-b72d-ca4561c08016	208.05333	2011
## 1659	t_3ec45574-84f2-4c7a-aefd-6a548f9c9e8b	216.72000	2011
## 1660	t_fc5dba96-3b88-4322-87c2-964587049741	220.52000	2011
## 1661	t_6f9552eb-3df2-416a-a611-69fba84ecbaf	88.50286	2011
## 1662	t_3c277149-8d33-40f4-8a02-ca055aeeb2e1	243.43616	2011
## 1663	t_8ea43128-75b0-421a-b2bf-5904361af7d0	346.01334	2011
## 1664	t_f521e4be-fc1d-48f5-aad7-3352c04c3a92	236.29334	2011
## 1665	t_76637624-c8f6-48dc-93c8-de53e195e6ed	271.72000	2011
## 1666	t_822623b6-544c-41b9-a473-4451eba5924d	216.28000	2011

## 1667	t_2f07ea69-9cc8-4b5e-92de-9def339a82dc	235.65334	2011
## 1668	t_c31e2a79-05de-4c79-8f6c-737e44f5f511	214.18668	2011
## 1669	t_11b9e12f-bad8-479e-847c-fb349d564042	277.94666	2011
## 1670	t_6078a85a-8429-4063-8604-8788dc5da9d5	277.38666	2011
## 1671	t_77aeb29e-1e13-43eb-9877-24740329ad69	265.93332	2011
## 1672	t_993bf7df-b6e7-472d-b103-47c8ad1412ca	207.34666	2011
## 1673	t_f6bafae45-5ce0-40e4-9fcb-ad6a14ef0d2b	269.12000	2011
## 1674	t_22bc7416-e396-4d1d-bf1a-89f3a77b7694	202.46667	2011
## 1675	t_ed8dad4a-da49-49ee-96a3-167743d4d9fe	185.20000	2011
## 1676	t_23d22074-47bd-486b-936f-bff05221ae7a	198.78667	2011
## 1677	t_2d3e70eb-b284-452d-95d2-f33bf70b82ad	244.33333	2011
## 1678	t_40bcd57b-7fd3-42f4-a7d9-e6e72983c446	75.58667	2011
## 1679	t_e85f96b8-90fd-4926-90ce-887cc176b748	229.60001	2011
## 1680	t_4e15a5cd-b92d-4e11-a123-de0b8153dcdd	253.01334	2011
## 1681	t_6cee3558-51ed-48d9-86fd-716902e1c624	217.02667	2011
## 1682	t_1e348475-c90b-4922-aa55-44a05f8401a5	267.41333	2011
## 1683	t_a556c90e-15e8-469e-831b-869f7d76537d	152.44000	2011
## 1684	t_f95095c4-0400-4986-a288-147f694e1373	337.25333	2011
## 1685	t_f886f91e-df01-4f6d-8f41-2970527711f2	569.34668	2011
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## 1687	t_692798a4-1140-4776-b645-b4f8dc1f5612	196.00000	2011
## 1688	t_0ad78c84-06d0-4276-a8fe-72ad6d6997cd	192.78989	2011
## 1689	t_d612a610-2a00-4ee2-9334-9176a2c4ee70	225.14667	2011
## 1690	t_3cb6d3a8-44d2-43e9-b588-d690181e8423	883.44000	2011
## 1691	t_3ecd35c9-e9c0-42d6-8bbe-7f853f2fc868	241.93333	2011
## 1692	t_97965e63-7a81-41c6-8bc8-1c91a83d3981	204.62666	2011
## 1693	t_3218df13-6985-465f-9435-694da9719b48	223.81332	2011
## 1694	t_db5a71a8-ab19-4ff9-9553-65b3befa2ffd	138.73334	2011
## 1695	t_eb7199b4-905b-4e01-850e-60479d0f7d13	217.42667	2011
## 1696	t_05a694b3-e0e8-4d2e-912f-9130075e37d4	222.37334	2011
## 1697	t_6f38b5df-c6d1-42b6-8811-17d141d9b311	224.67197	2011
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## 1701	t_e0ad7d01-f1ea-446f-9319-b5ed4fdb71a8	309.34668	2011
## 1702	t_e5476c00-5db6-4999-b7d3-1dcd2e720a15	306.21332	2011
## 1703	t_7b02e8da-2ea8-4649-a9a9-b7bf0326f20a	323.06668	2011
## 1704	t_67186840-d838-4ae7-9688-e285c1eafc05	412.04001	2011
## 1705	t_2611cd19-4c44-490a-bd86-489a4de0539d	278.75583	2011
## 1706	t_129dd3b8-8a84-455e-a4ca-8978c2e92e5c	239.09357	2011
## 1707	t_f750dfef-8f2a-487d-97a3-905d1b2fa45c	281.87747	2011
## 1708	t_2c789f68-6195-4e17-91e1-030ac754240e	207.98694	2011
## 1709	t_441c2569-4713-4bff-8aa1-00bf3625eef4	164.53371	2011
## 1710	t_37200d37-a623-4eab-8b73-9402567ff184	225.36000	2011
## 1711	t_f16dbb70-21f5-4a7f-97a4-63f0414c0dd4	258.61334	2011
## 1712	t_1c7e5c4c-1193-42c9-b4e9-7db59a6ba31f	207.67999	2011
## 1713	t_c828457a-66f4-42ce-bf75-2b0d348935aa	209.67999	2011
## 1714	t_7efd232a-7442-4d7c-bc01-29a0fdc5123a	236.09332	2011
## 1715	t_1530d4a5-1095-402d-b41b-3a1af2867176	224.52348	2011
## 1716	t_0a78c4d2-918f-4af5-8de7-7efb167e673d	311.34668	2011
## 1717	t_68d4121c-3e49-42da-bc41-1586415889b5	215.23737	2011
## 1718	t_e9f34c3e-ce38-47e6-acc6-dde1e36359e2	171.20757	2011
## 1719	t_0879297f-d56a-428b-b437-39cfa299218a	254.50000	2011
## 1720	t_0aeb25cc-1f5d-4da5-b582-57d03690e07a	351.01334	2011

## 1721	t_19cedcd7-1aa1-4bc4-a61b-bcf5ed37350e	242.75696	2011
## 1722	t_50fefcd2e-82d8-4b3c-b235-ad0693f52739	221.20000	2011
## 1723	t_e078d7a3-cfb8-4b46-b2a9-894931edf428	244.85628	2011
## 1724	t_0a880e1d-4f27-4f25-bddd-e7d90e5470cd	179.88000	2011
## 1725	t_f4b18492-345d-4806-9a4d-75660eb50bd1	251.78326	2011
## 1726	t_c396ea60-98c7-47fd-a727-fe2957fdd7bd	196.36000	2011
## 1727	t_7713d990-25f7-4a77-ae32-478e05939605	159.72000	2011
## 1728	t_65491fe5-96a7-42e9-9439-66e5c04cb8e6	224.33333	2011
## 1729	t_a3774630-f701-4bfa-bb3b-27c8dc9606c1	189.57333	2011
## 1730	t_3f4236f4-0061-4ee5-a9f1-584de1bcddd9	55.50000	2011
## 1731	t_2861108b-8519-46ce-b909-66c13d381b05	182.77333	2011
## 1732	t_c534b9f2-4a22-401d-96dd-8bd792904641	78.49433	2011
## 1733	t_431e150d-08e2-4c83-ae74-6274c30eacb1	203.28000	2011
## 1734	t_c7613975-2b75-4df4-b526-d9927a34964d	212.32001	2011
## 1735	t_ff674955-20ad-48bf-8494-d5fbe9dd7fac	245.05333	2011
## 1736	t_bf2d888c-62bb-4332-a7bd-fd65673d7f27	262.81332	2011
## 1737	t_c9b3033f-d043-4365-a39f-b55eb1d89292	150.78667	2011
## 1738	t_a5c6c582-bb18-4278-8231-59bc0252f975	241.50667	2011
## 1739	t_f2a015e2-a6b2-4bf6-813d-87ba1ad0ee8f	222.87506	2011
## 1740	t_f5319951-d1fc-46d6-a417-ebcf1374ddd2	304.49664	2011
## 1741	t_21289b74-8dab-496a-9e89-d1fc709ed5a3	229.72023	2011
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## 1746	t_0c147b75-419d-4049-b035-eb86aa99954b	257.39755	2011
## 1747	t_2bbe93f9-df25-40b0-a139-cda6a0537206	213.42862	2011
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## 1750	t_ea58f49a-572f-489b-ace3-b0b3e0c1bde3	216.48000	2011
## 1751	t_0411e498-8f37-467b-a078-4b9784c09fd1	208.81332	2011
## 1752	t_123aaf49-55d9-4fc9-87cf-8d3a7d06b87e	216.74667	2011
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## 1754	t_9107eb33-a217-4e1d-9ecc-5c08d5d4c3fe	233.22667	2011
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## 1756	t_52ab842d-c958-444e-a3db-cfe88d482237	405.21332	2011
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## 1765	t_ab043caf-1d39-451f-922a-04530e15b64a	148.86667	2011
## 1766	t_ee68784b-d348-4141-b26d-9c78ee9c95e6	250.46667	2011
## 1767	t_18804038-966c-4c7a-8e0c-dddb0773d482	224.16000	2011
## 1768	t_ca235b53-1d13-48a1-985b-2967643ec83a	173.20000	2011
## 1769	t_70fa33a6-a69e-4c10-884e-359a082ca13e	33.61959	2011
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## 1787	t_e672fb29-9ac2-4d55-af2c-da2d6230f79a	238.51202	2011
## 1788	t_d898a54d-5201-4f11-b7f6-7c2b86f146e8	201.93333	2011
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## 1790	t_5fe919ce-c9e7-412f-a989-5d201535b007	438.48001	2011
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## 1792	t_9002df53-c444-4f8c-bd54-2e52b2012c5f	201.00000	2011
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## 1798	t_ba82b328-6632-4bf8-bb9f-e21d7a6de9c6	306.02667	2011
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## 1800	t_513a0326-4f0b-423d-90ef-93e2292ee357	279.00000	2012
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## 1809	t_6d67800b-001e-494c-9ed5-63016af182d6	245.38667	2012
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## 1813	t_12d38698-c5d6-4346-9d7c-b4c13b3439ff	199.00000	2012
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## 1824	t_bd73667a-b1ab-40c8-9ad9-73816b9b90f7	176.94667	2012
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## 1826	t_4c246389-276c-4e6a-a51e-1a7c5594d5cb	233.60001	2012
## 1827	t_9c341b23-26ac-4655-946b-57323c64287f	182.30667	2012
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## 1834	t_37b08a82-0149-46e8-a069-5b223c655fa9	570.26965	2012
## 1835	t_470056c6-6156-4526-90a8-906763cbe789	175.20013	2012
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## 1840	t_84057395-b09e-4889-85b8-4d59379d8ed3	157.64899	2012
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## 1850	t_0caac031-f853-4d4e-ae2a-bc4151b10877	213.25206	2012
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## 1852	t_5ee51616-fd5f-4861-a139-baef86946c2e	287.64001	2012
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## 1854	t_9bca2e91-4388-4c41-ba74-9dda4b8046f6	200.74667	2012
## 1855	t_c5eafb5a-0d7c-4eae-b469-4b74eae927a4	296.90668	2012
## 1856	t_c923c4a5-cd9f-4f81-96ea-d0e6dad1c88f	221.14262	2012
## 1857	t_6f8eeb9e-ce02-4005-8c3a-194bc7ba43c5	221.14262	2012
## 1858	t_ea0d7dc6-f078-4546-859f-c2c82e1c1dfc	192.77333	2012
## 1859	t_ab56026d-00e3-469f-98d0-0a12413de2b1	257.23999	2012
## 1860	t_c7797a98-8e56-4b7e-a4d0-56ed02fcc575	232.76639	2012
## 1861	t_e4ab0b76-d40b-41a4-bac7-79129b93d971	270.66666	2012
## 1862	t_1deac7ec-d351-4aff-92e2-050dca562139	205.56000	2012
## 1863	t_5e6d0cbc-0a5a-410e-8f29-52ae8fa04d4b	245.77560	2012
## 1864	t_89518b28-db0c-4117-bfe9-b983979b0410	196.66426	2012
## 1865	t_f2663895-9e56-4c83-9bc3-78b4e2e37263	121.08000	2012
## 1866	t_8d208c77-6349-45b7-9a97-fb503f2801b5	285.00000	2012
## 1867	t_24b395ee-d5ed-4a99-9a9f-552578fa24ea	183.21143	2012
## 1868	t_19c0b1a0-2d93-4631-b449-87a5bc6e5e98	206.93002	2012
## 1869	t_5e3a8b0a-9231-4572-8d6f-7f97ea170594	402.70666	2012
## 1870	t_756a42a9-f871-432c-8d58-9ab78e9e7861	131.24998	2012
## 1871	t_41ba8b54-0c9d-4a56-b10b-6a3800accb0a	205.57333	2012
## 1872	t_03fbf68e-88c9-4045-91ad-c93d46a89ee0	214.25333	2012
## 1873	t_4eeacd5f-c5a5-4479-b1fd-d3479a931514	280.26666	2012
## 1874	t_f6fa5b6e-ea96-4e54-9947-f4fb13d6f0dd	246.00000	2012
## 1875	t_7308bf6f-ccae-411e-bcc6-aec3901d4e25	182.86667	2012
## 1876	t_ea31f851-9346-4228-a0f9-b681d9b15105	219.48000	2012
## 1877	t_18a5aad1-d589-44e7-8b86-7ded8b04e41d	175.44000	2012
## 1878	t_4b041cfd-cdf3-49ec-9f11-9a00a51e8eba	221.14262	2012
## 1879	t_44085f48-2baa-4611-9487-7b26ae90db00	233.81332	2012
## 1880	t_f62353fb-28a6-4276-a288-d0e96ad2d395	217.17332	2012
## 1881	t_e9cf378d-6641-4ab5-9783-725c15362263	223.89333	2012
## 1882	t_0384af61-dfa8-45c5-b8d7-b2457ae56536	252.45332	2012

## 1883	t_9d85560c-0129-47e3-b8f4-e56bbc405eb0	277.23999	2012
## 1884	t_3e8d9f8c-8398-428e-9b43-072f11e405b3	232.61333	2012
## 1885	t_8c850749-55b2-45f3-853b-9fd921a67c49	233.03964	2012
## 1886	t_53be51ca-1f67-4243-8c0b-ab4c36da3f5b	223.48000	2012
## 1887	t_85299257-9e99-452a-be6e-a685d538ebff	286.48001	2012
## 1888	t_c4a6d1d2-d12e-4354-8ad5-baaacd0a13ec	238.26926	2012
## 1889	t_b29cb57f-61e8-451d-85a4-9a46472fcd96	202.69333	2012
## 1890	t_326511d4-89bc-4d16-b115-6337360e02c6	205.49515	2012
## 1891	t_4aca4550-c50c-49da-a609-f8397b53f97b	217.86667	2012
## 1892	t_a0265aa8-1420-400f-a6c0-820b30d0e97b	189.84000	2012
## 1893	t_8110a719-352c-4dae-a887-e05fa599e8c7	218.44000	2012
## 1894	t_4e0fcdce-59d5-42be-a7f9-f9accd6f1564	252.80000	2012
## 1895	t_e50a89fa-f55a-4da3-8fb7-4a647c11afcd	201.45985	2012
## 1896	t_22cf5f2a-cc68-4dd6-84da-2e604cabf051	227.98666	2012
## 1897	t_37f631a4-2080-463e-8da5-baa1e903b3d4	409.14667	2012
## 1898	t_c413f8a5-5506-42d6-a39b-607a935276a4	277.04001	2012
## 1899	t_9eeac036-6435-4dcf-b5f6-057d653cf5a8	236.92000	2012
## 1900	t_689c8625-caa6-413a-9768-eb2294ad0e84	216.55746	2012
## 1901	t_2f5947c4-4b3f-4007-a74c-c56c8fd64a70	313.09332	2012
## 1902	t_2b0b4fad-9562-464e-ba05-059ff49a2d38	163.13333	2012
## 1903	t_b1cee997-72da-4273-b903-7444ea0d5f25	232.96104	2012
## 1904	t_2e3a01be-80a4-41d9-82f2-f61974d0f373	253.41388	2012
## 1905	t_4e733bdf-52d2-432f-987e-cae1585729c2	185.81332	2012
## 1906	t_3213b280-567a-4bdd-914e-be45c168f881	143.01143	2012
## 1907	t_51cdad3f-19f8-4236-8a00-d70bd7da25d8	192.00000	2012
## 1908	t_9b90bdfb-d0ca-43e5-9b2e-92876509398e	299.98666	2012
## 1909	t_0b38639d-9786-49e9-9d5d-cadf9194a5e9	259.23999	2012
## 1910	t_b25e51f5-0dfb-4e63-bf87-977d4e1137ff	57.17333	2012
## 1911	t_1aef2b9-cd40-4ac3-b395-d7ef6b30796d	306.38666	2012
## 1912	t_bb385b21-e96c-4683-9c1c-57ab2de7ba93	105.48000	2012
## 1913	t_9b4cb801-863d-4c45-8080-8d70b3e5eb9e	443.58621	2012
## 1914	t_d891f0ab-dfe6-4d6c-b4ad-92c75816cf3d	171.80000	2012
## 1915	t_0264254f-a3e0-4940-9925-47bea5c07dc8	224.50000	2012
## 1916	t_39eed561-347a-4c7a-a84e-ef8062c5dab	101.97488	2012
## 1917	t_38a3dfde-f656-44e0-b232-f77aee5feea5	224.99977	2012
## 1918	t_23f84e1b-408e-4a7e-af6c-aed2cbd974cf	339.05334	2012
## 1919	t_efe5f7ec-9ab5-4042-9c09-e95a665e7d8b	291.50934	2012
## 1920	t_908e29ec-cfd8-4385-bfa5-739ff3d86f77	212.39999	2012
## 1921	t_c6786962-5463-4788-8e77-269207979a06	166.92000	2012
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## 1923	t_44bfcc6c-43fa-4771-81a3-136970497e4c	286.32230	2012
## 1924	t_804414d8-450d-4f3f-88ae-92f28c0a0d37	200.82939	2012
## 1925	t_f373a1d8-04a9-4a85-8d0a-2933e390b01f	222.85692	2012
## 1926	t_a80c225d-2a49-4ade-b4b5-51825e633197	249.28000	2012
## 1927	t_b2381f70-2a46-4462-ba78-71d8d41e47c1	258.00000	2012
## 1928	t_6103e8bb-4fca-44c4-959f-5be6da1b5394	290.79999	2012
## 1929	t_0aa492bf-2ab6-4322-b1df-a539ffe84e0f	232.97841	2012
## 1930	t_982cb213-dc14-4d87-a3e5-2fb88299bf88	185.22667	2012
## 1931	t_ab5c6f10-a49b-4c90-a500-845336462ca9	325.34668	2012
## 1932	t_483c27ab-9f33-41b2-b0d2-0f975d9bc488	207.75999	2012
## 1933	t_be062495-c75e-4642-aeaa-ff71194addda	225.64000	2012
## 1934	t_b2573fa8-9ae5-462a-b39d-ab4cc11c5bbe	239.86667	2012
## 1935	t_00d8db34-34e6-4dc6-a73d-e01634f72fd8	216.14998	2012
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## 1937	t_45b370c0-2f6a-453c-a659-985c663d8d88	260.56000	2012
## 1938	t_9e5a9b41-1cf6-4c87-a1bc-310c1c29a41d	353.93332	2012
## 1939	t_94c2206a-6171-4783-855c-9b0d3643b3dc	229.46667	2012
## 1940	t_2e04f37e-b144-4231-80b2-53622379185b	197.32001	2012
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## 1942	t_13ca7de6-97af-4e67-b807-93fb17aadd74	197.94667	2012
## 1943	t_84c5387c-4759-44fa-890f-ca86da431fe8	174.64000	2012
## 1944	t_c4692b96-9fc2-44ee-9159-3351b1603803	327.89334	2012
## 1945	t_c038f295-3611-4085-8792-5f0586e53dd4	222.01334	2012
## 1946	t_3f823e9c-7fe6-4bcc-8a5e-cf4a1fb785bf	215.53333	2012
## 1947	t_d2ac8a6f-5eed-4257-9280-4e2bb4fbc538	207.80798	2013
## 1948	t_a43e7fca-f94c-46ef-a0dc-9357f51cf5c3	231.84000	2013
## 1949	t_a0e7de4c-54e1-4a08-956c-b79791a3c09a	237.16000	2013
## 1950	t_7598595c-c0f7-4f03-afd1-9c06b2b4e509	210.28000	2013
## 1951	t_75a66f87-b63c-49bb-8397-21fdd5266b2c	164.28000	2013
## 1952	t_f2d04d9d-908b-4aac-b1ce-ba53a58ad646	281.50668	2013
## 1953	t_e7d8669b-f2ec-4433-b021-1d0f32033287	73.57333	2013
## 1954	t_65fb8156-4a13-4779-91c1-24b7d645c111	279.53333	2013
## 1955	t_f899779b-8267-4b9d-9ad8-9d53663ed9a2	257.77332	2013
## 1956	t_29522324-a091-43c4-a1a7-f09d43f047f9	170.93333	2013
## 1957	t_01852fb6-02a3-440d-b903-7b2a1033ac3e	207.71030	2013
## 1958	t_b11564c8-78d8-418e-ae60-80398fcbff16	227.34204	2013
## 1959	t_dd79bdab-e4d3-4974-9e3a-86835e67518a	267.78998	2013
## 1960	t_34e2a076-a5c8-45f3-b5ab-689546c7cb88	243.70666	2013
## 1961	t_acb0300a-12f1-49de-98d9-e12b8cdd02de	214.80000	2013
## 1962	t_6b99df5f-6a84-450b-bb78-47e6cef2dec3	188.13342	2013
## 1963	t_6c048358-ea23-4e6a-84b8-0e1f17e18d99	167.46667	2013
## 1964	t_b6eabb0b-7f19-4ee3-a4a7-1ee3c1a63927	147.78667	2013
## 1965	t_15b9efae-1590-4108-8ff3-bbdb2c5a3896	204.00000	2013
## 1966	t_2bdcd137-01e0-4088-a867-e8d4e4a0b321	141.64326	2013
## 1967	t_a359eea3-2cad-4d0c-a8f2-d6d4d635116b	153.03999	2013
## 1968	t_97dc0620-ff79-4002-8244-a0139f391efb	238.00000	2013
## 1969	t_d999329e-c6ef-437c-98c7-a0f4ccdfd76c	221.70666	2013
## 1970	t_15c57136-483b-4468-8743-e0d77f5e2365	199.50000	2013
## 1971	t_20448f49-2bd1-40e2-9654-acc195b44ba5	164.25333	2013
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## 1973	t_66c75142-54e5-49a4-8734-f593e2b516ab	210.41737	2013
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## 1977	t_e460bf56-fc39-48d2-90f7-7510053b84e7	245.97333	2013
## 1978	t_973fb46e-83e7-4822-9000-d922bc69616d	280.42667	2013
## 1979	t_b4a70889-8b7f-473e-8545-e5700b4bb30e	146.37334	2013
## 1980	t_0116517d-11af-4f46-bfe2-c80f8473ab9b	286.45334	2013
## 1981	t_46eff81b-6cb5-467e-af44-b5f75157e859	224.22667	2013
## 1982	t_0e03ad14-a042-4aee-acb6-3e1417631e88	262.12000	2013
## 1983	t_f81ce9c2-dfe4-4f9b-8f71-f139050ebb00	279.77332	2013
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## 1985	t_2dc98d40-6de8-4040-8308-2691682d390e	229.85075	2013
## 1986	t_c5922c3e-6d5f-456c-b95f-e47e7a1e5247	196.25333	2013
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## 1988	t_b21ab1a6-94c4-44f3-9a86-26ed951018d5	1402.47998	2013
## 1989	t_cf0095aa-de16-45fc-906f-618d23eaa057	163.88000	2013
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## 1997	t_3dae69cf-8202-4ec1-a016-0c7f23672f43	310.48001	2013
## 1998	t_78a61f01-80ff-4813-9aa4-7cec67065a71	151.27547	2013
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## 2000	t_e8cbdd8c-6453-4b47-aa2e-887da381cc87	231.63107	2013
## 2001	t_74d793dd-1603-4d6d-8473-71b29647d83d	288.58380	2013
## 2002	t_1d6649ea-2c8e-4026-8c11-09f30bd51c86	268.20001	2013
## 2003	t_f657c9d8-d3a6-4c7c-900e-2077f3bdcf56	237.44000	2013
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## 2005	t_570fb179-677b-4395-8156-26960f4d7fa9	279.18668	2013
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## 2007	t_7cad23eb-3df5-4de6-9d20-2bd32c81eb54	185.47197	2013
## 2008	t_473a1921-6682-4c73-88cf-a556a7992141	277.15543	2013
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## 2010	t_e093e2aa-d7e8-4694-9338-05e5ac19e401	183.06612	2013
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## 2014	t_4a069e57-2393-421e-b5b4-e4504f522e2a	242.14667	2013
## 2015	t_c4004417-12a6-474b-ab1e-fd2287630d71	184.37334	2013
## 2016	t_f3373022-0334-4e83-861a-7d61ee793a87	309.72000	2013
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## 2025	t_5cc1ba4f-5891-4ce1-aa86-5e264de22317	196.93333	2013
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## 2027	t_372230c8-b719-4a74-af49-1799902fa7b4	228.53333	2013
## 2028	t_8ade6f32-4d13-45fe-8aef-51a9b330b2f1	301.84000	2013
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## 2030	t_fc3467f7-f9ab-40f3-a7c3-56b3ac691d77	167.13333	2013
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## 2032	t_9d261b8e-a8ff-4ff6-a663-1c452194863f	337.60013	2013
## 2033	t_8fa2328e-98a1-44e9-87f5-6a0c8d2c74f3	115.34667	2013
## 2034	t_ebb1abb1-2929-4e7a-a979-e26b966b3b2c	217.30667	2013
## 2035	t_746920ea-d940-4eef-87c7-985ffc0dc4dc	262.57043	2013
## 2036	t_7aef8473-1ee6-49a7-949e-e159e81ac7c1	104.78667	2013
## 2037	t_65599285-b145-458a-9106-5de0fae00fe0	196.24001	2013
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## 2040	t_fc31a07-4ebe-4dbd-b6ac-0c82ea695144	203.42667	2013
## 2041	t_36c831ee-3946-4a6d-aa72-973af4848fc6	318.80621	2013
## 2042	t_be62c242-3a26-4ba8-9b41-b4537a51e8b9	148.00000	2013
## 2043	t_56e1995c-9978-4612-b9a5-c23136551ddf	276.56000	2013
## 2044	t_102c7c7d-729f-48a7-b6e9-9692bb5629bd	242.68291	2013

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## 2046	t_2d8c945c-341a-4910-8226-aac82597a345	265.91382	2013
## 2047	t_07dcbfd7-8057-4493-ac14-764dc7619da9	218.14667	2013
## 2048	t_e3ef2382-ff55-4038-b6f6-0602c3dfcc99	211.46667	2013
## 2049	t_560e7795-af73-46cc-b492-798602284dd1	144.00871	2013
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## 2051	t_7635b9b4-4eec-4f1e-866d-35950ddc6212	213.34666	2013
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## 2053	t_05dedbc6-1b82-4648-b13b-651df42aab64	181.61333	2013
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## 2056	t_c7e60ec2-cc29-4bcc-90b4-0981360d6045	202.29334	2013
## 2057	t_7cc460de-73e9-408d-b0d6-a3673d48ff10	231.61333	2013
## 2058	t_e6f6558e-c86b-4b57-92d9-395b0023872b	305.78668	2013
## 2059	t_52a3b92d-c56f-4eaa-9b92-c45b7fe76e7b	170.77655	2013
## 2060	t_58d97987-32bb-4d9d-9f28-bc71444cbd0c	163.58667	2013
## 2061	t_9b94591f-38a8-42e3-96cd-b9529e80d75c	168.58667	2013
## 2062	t_be6c6c12-782d-4756-bfbb-84933b865555	246.70666	2013
## 2063	t_ef9c2612-46a3-44a4-a649-39e2534a746a	200.49333	2013
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## 2066	t_efb4ad00-3e04-4c59-9150-fa28e9e14b87	245.57423	2013
## 2067	t_e28b5ea1-c238-42bc-976a-d30b8f5fb98a	240.52000	2013
## 2068	t_6d6f8871-6359-44d1-a6ff-e76ddad444df	212.71202	2013
## 2069	t_ab7cca34-7c72-4b7f-86c4-4345746fae42	278.20001	2013
## 2070	t_c7612c9d-161f-4177-ac73-fd70062c5211	214.46667	2013
## 2071	t_ff9a06c2-98d1-4a8b-8846-e2c0f6c4b542	170.14667	2013
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## 2073	t_63476989-8348-4018-b727-61b74076d0e0	217.05333	2013
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## 2075	t_ed77489d-306d-4fb4-8405-870666c192eb	330.00000	2013
## 2076	t_6385d45c-2eda-4afc-bf7e-59d4fa620eaa	188.76236	2013
## 2077	t_a345cf44-234a-4c2b-beeb-c8e12f54da97	246.49333	2013
## 2078	t_0aeec913-3655-4286-9180-fc2a342e1168	338.30667	2013
## 2079	t_d987d9d7-39ff-4af9-b236-45fbbd17e5ff	300.66666	2013
## 2080	t_5c5a3ca4-a075-4ccf-82ef-d80df8c89674	220.32001	2013
## 2081	t_627a2c5e-08e5-4263-b99a-208b647f112d	245.24001	2013
## 2082	t_07825b66-6144-4eee-a523-a6d8c1d25132	230.14667	2013
## 2083	t_8758c3f0-5fb5-43cb-a8b3-cdcb80a475ac	215.59039	2013
## 2084	t_d5464171-b0cc-4f51-adec-1c05e9530599	212.17332	2013
## 2085	t_0aff625c-0c81-4435-87d0-03b18518d071	254.08000	2013
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## 2087	t_87bf4e5e-c800-40d2-825b-8135d88485f2	198.90668	2013
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## 2089	t_96fd6f93-cee2-4f2d-b663-d7267fc4f5fe	174.23882	2013
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## 2097	t_a7866f41-efc1-4d4e-95c9-ab95a20a31eb	273.01334	2013
## 2098	t_811f3bfc-8d8c-4f01-9d55-cd69b6bef7d5	295.20001	2013

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## 2101	t_d31bc410-cefc-4578-9303-82ff4a4a1f61	178.12549	2013
## 2102	t_94e5b8f3-4da7-4574-9aec-0609babb8cb0	284.92831	2013
## 2103	t_ee9865a1-aa1e-4b89-85ec-dddc09c04976	181.56512	2013
## 2104	t_d332e26f-d68b-44f9-9e6f-8d9117566c69	201.00000	2013
## 2105	t_44bc338b-a69d-4089-a279-d310dc949423	196.84000	2013
## 2106	t_97892ded-66bd-4f79-98c7-6232b294dafd	480.67999	2013
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## 2108	t_6d340778-0cef-415a-a402-5d710e3753da	204.21333	2013
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## 2111	t_3148a199-799e-44cc-a9a9-a5d510f24ee0	266.35202	2013
## 2112	t_fef3b798-e13f-4c54-9ad5-a6e06025ac42	282.42865	2013
## 2113	t_0fef843b-244c-4c7d-923c-108f89f68b07	255.76059	2013
## 2114	t_477bb512-4590-43a4-bfad-93e79ebd7a44	229.82668	2013
## 2115	t_78195e3c-7f80-452c-b7be-2d182afbed04	271.81332	2013
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## 2117	t_ec632f6c-5cb3-46e1-b82f-d8e363383c61	217.57719	2013
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## 2120	t_63052b82-8cc3-410b-b84a-13a872a01265	169.37334	2013
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## 2122	t_792f438c-e0ea-451f-a4ca-68f5cc7f6721	342.49332	2013
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## 2124	t_10000ed0-11b2-4e5a-89ca-0564fc744d08	204.45332	2013
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## 2126	t_2238256b-e450-4fe4-808a-eeaed29beae7	307.12000	2013
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## 2130	t_3330664f-7029-41b3-970e-c1c15674dde6	146.04857	2013
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## 2132	t_ff9f85e4-9579-486c-a8b5-8e70302de0da	295.78159	2013
## 2133	t_9246dc1b-65d8-42b7-97db-8aeb0c9810a7	202.37334	2013
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## 2135	t_8b51ec07-c488-441d-8163-a6c495ebc1bc	196.92000	2013
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## 2138	t_e555adf6-c3a4-47c8-b136-6509a5b0d367	217.42667	2013
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## 2140	t_0403a7f6-8356-4d7a-841c-60601ebf9ffb	225.33333	2013
## 2141	t_dc9328ab-680b-43d3-be5d-368df44c8b69	154.43529	2013
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## 2144	t_0e728fe4-d180-4960-ac30-085f05c017fa	301.08734	2013
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## 2151	t_7688a170-91ac-4dfa-9dd2-ca9c10849829	198.93333	2013
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## 2155	t_a2a00515-fc4b-4f78-8d5c-81a496aab473	334.97464	2013
## 2156	t_116c8e57-0b92-48be-b564-a320375a7332	114.27732	2013
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## 2219	t_817723f4-f392-440b-be5c-fb526602cbcd	206.46667	2014
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## 2272	t_aa9f826b-3580-46b9-8791-09e2a9092052	134.42667	2014
## 2273	t_ad07435f-791a-4fbc-b358-e63484bf289e	250.93723	2014
## 2274	t_dbbdd73f-c5ab-4245-bc7b-a9883f42833c	146.58667	2014
## 2275	t_a1649286-2071-44a8-b347-6a45a409bc70	146.50000	2014
## 2276	t_a1cab013-5604-4c90-b81c-960508b20b3e	209.42154	2014
## 2277	t_00a2f2f5-db3e-4d6b-a492-6760bdd65e17	147.05333	2014
## 2278	t_8635c800-238f-4c67-90df-37ab5396a1f3	207.60217	2014
## 2279	t_cf4a01f1-e7bf-41fb-ae9a-5ea81542f28b	209.69986	2014
## 2280	t_e2114263-57cc-4352-9b30-3c0ca3f48c8d	185.45456	2014
## 2281	t_a78cda77-310f-4300-835d-026fc85dfbee	224.69949	2014
## 2282	t_39f3816f-ffd8-42d1-88d2-4f4dc4952963	254.90668	2014
## 2283	t_7f4f112a-8914-4a41-9840-a701be12818f	350.69028	2014
## 2284	t_d643a90c-bd35-4e32-afce-28bed665d9c2	177.70666	2014
## 2285	t_0de0a8db-1c98-4ce1-aaa5-88e82665a822	240.36000	2014
## 2286	t_ba62065b-7776-47cf-ba0a-8381a3020652	189.44000	2014
## 2287	t_3ad1cd22-eaa8-493e-90d8-22555d7ead3d	227.93669	2014
## 2288	t_f93d93e5-e052-4adf-9ccf-85301ec3b835	223.38667	2014
## 2289	t_621b8510-76f5-467b-b1b2-e6a98e36d48c	250.28000	2014
## 2290	t_3465f1a3-acd9-4efa-b710-01b9d9306cf2	234.05333	2014
## 2291	t_d391baf1-d0cd-4fdb-b536-3e2634997084	234.84000	2014
## 2292	t_fb35eac0-da19-4f9f-8746-a2ad96520e2b	226.41986	2014
## 2293	t_f00894f3-5f56-42cb-bfba-bdd339fd06d4	308.05151	2014
## 2294	t_17ec8493-5438-4368-bc85-4976b51c02c7	282.66626	2014
## 2295	t_8e40bb53-b36a-41e6-9078-f64cd77e9df0	197.03546	2014
## 2296	t_8e87dcec-2dfd-466a-afea-cb03d0141576	331.46661	2014
## 2297	t_8e4e9e27-68fb-4f13-86cf-787ca9341b74	174.77333	2014
## 2298	t_e2d7af29-bff4-4787-9c32-8cb84140d709	145.26694	2014
## 2299	t_d5138972-a2e5-4076-a1cc-35033d260f85	224.64000	2014
## 2300	t_4d40b1fd-14b8-435b-a497-bcdda5b181af	235.18668	2014
## 2301	t_9439b64d-dff7-4204-bf3e-1cb9b6676abb	210.05084	2014
## 2302	t_75b152eb-42a9-4ad2-b1f5-6a77b07a0686	224.00000	2014
## 2303	t_8ff4fe51-75b7-4249-af3e-f033ac5a8a0d	214.04735	2014
## 2304	t_705cebd2-7897-4046-9ade-b56a608f6ef7	176.94667	2014
## 2305	t_ecb0a32e-2da8-49b6-bed9-d03d17aed51b	241.97333	2014
## 2306	t_beebd585-1b1b-4a81-a011-00fea2f65851	396.45752	2014
## 2307	t_1bb07f95-5c65-4e67-a4df-ac09e3037cc8	290.93405	2014
## 2308	t_268757df-3a76-42a2-9285-d167ef1c0614	242.34666	2014
## 2309	t_8091175a-69eb-4ca2-8f54-023d15350ddc	198.05333	2014
## 2310	t_5eff5636-fa15-4e5b-9990-fa061c6281fe	192.00000	2014
## 2311	t_9c2111b9-2530-4afd-bb55-232137ec48cc	324.01837	2014
## 2312	t_ad2c5e3e-ecc1-4e18-b661-ca64f5e2c8a2	235.76939	2014
## 2313	t_8a8040f0-7367-4b51-8929-71f2e350a955	209.02603	2014
## 2314	t_2c4f07c2-c1ba-4d6c-b46e-a2e00b23b5ed	261.49374	2014

## 2315	t_f14d3277-e861-47bd-a15b-897e0a08f673	221.69333	2014
## 2316	t_ccb96ac8-0a30-4242-aed3-b510a8498f29	286.88000	2014
## 2317	t_c5445d07-42ff-411b-81b6-301fe379cc10	224.97333	2014
## 2318	t_fddadd61-b8f8-4bd8-8508-3013c6756cf6	222.49333	2014
## 2319	t_91735e46-7c5a-4449-990e-b1ad54a984e0	273.74997	2014
## 2320	t_d1b60fe6-b94a-4733-b76c-2490f9fc6476	456.62668	2014
## 2321	t_77772278-01fc-472e-b8ab-1ae506f12242	172.72385	2014
## 2322	t_ca9f1aa0-ae15-4751-a616-a2da616968b0	187.49333	2014
## 2323	t_2aa72ef7-deaf-4bc0-aab5-4df087b653a3	224.62666	2014
## 2324	t_720ee9a3-cfdd-4f32-a9b1-1d0269c330d6	255.03378	2014
## 2325	t_288bd562-ace8-45d1-9b91-1c7c6538317b	191.17332	2014
## 2326	t_b9b2f2de-5907-4125-817a-536b08f61d7b	48.06531	2014
## 2327	t_a050c2c7-962e-4127-92b6-ee2701b5c6c0	253.88000	2014
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## 2329	t_f8594952-aa9c-455c-be2d-43df2c2572bc	223.44000	2014
## 2330	t_d858b0a5-7da1-41bd-92be-0b352be73289	216.49333	2014
## 2331	t_9cfd205e-cc09-4e0a-8ebf-6617f7e646d1	284.85983	2014
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## 2333	t_85dcf754-8ea9-49dc-826b-5931cd6dbf68	176.75999	2014
## 2334	t_8879ffba-946c-4940-8b26-f7c4c9cd77a6	191.10707	2014
## 2335	t_d32ac786-0482-46f7-935b-193e08c7795b	243.93333	2014
## 2336	t_f3aa5e96-c7a6-49bf-bd42-1e545f45a868	210.58667	2014
## 2337	t_311ea998-cefd-4a06-9437-2194bd121c22	410.50458	2014
## 2338	t_f6a424bc-e7f0-4352-8ce1-94371c004abc	187.83424	2014
## 2339	t_e196f02c-37f2-42c9-9a02-9a35f54c5920	174.69333	2014
## 2340	t_2ecda8b8-6dda-471a-8dca-fd1ce0434e8c	175.08000	2014
## 2341	t_a73de309-6e68-493c-8785-bf29508f4a1d	282.00000	2014
## 2342	t_a9daef98-d859-45bb-8b9e-ae7e8fe60c7b	266.28000	2014
## 2343	t_05f3187b-6f50-4639-b9c7-773b790b98b5	195.94667	2014
## 2344	t_1f4b3886-06bd-4586-b0ad-4dfcf80c9ad6	184.05333	2014
## 2345	t_2df71c2b-f00a-4acb-853f-d955c7be246f	304.31891	2014
## 2346	t_d95e2d35-128a-472f-a0f8-77c398bc029d	211.20248	2014
## 2347	t_7d9cda88-0c46-4f6f-b5f4-395e19767d92	230.57143	2014
## 2348	t_5a79ef89-5dbf-4992-b90b-b9e1469d5b3f	177.96001	2014
## 2349	t_2d471d70-355b-46d2-b761-2852cd2a8d86	298.23010	2014
## 2350	t_e2a84937-a10d-4920-bf6b-b499b3bb73a8	229.59891	2014
## 2351	t_a7f03bf3-9a1b-4852-a883-b7f414180e09	193.13220	2014
## 2352	t_bd3ba0bc-1b4c-45e1-8c80-a10b79d8e70a	229.42722	2014
## 2353	t_e8b589bf-adbd-4740-b8ba-32620449b9ee	256.04001	2014
## 2354	t_a8e653f3-c498-4808-868e-601f5e7f7ce8	189.47514	2014
## 2355	t_6afe4542-55ac-4284-9cc8-e102eafb9907	399.82666	2014
## 2356	t_de663acf-44da-48ad-a7f9-b3cec4e4098e	174.34227	2014
## 2357	t_624284d1-4bbe-4f9e-96ab-ae59c772071b	174.36000	2014
## 2358	t_d888f144-8018-41f6-81c5-fd1912244950	236.80000	2014
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## 2360	t_a6cfc69b-5ff9-46cb-be7e-b07bc056c2b4	180.18668	2014
## 2361	t_87e3fd37-cc89-410a-9890-7848d5e78f0e	236.28127	2014
## 2362	t_7b79454a-fa76-40a4-bc2a-84d9f9e1083b	163.22667	2014
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## 2364	t_087f2c91-842d-4c74-9572-e164eaca7380	207.82240	2014
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## 2369	t_6f5d272c-facb-40e8-8cc3-cae4c6f557bc	250.71265	2014
## 2370	t_9ed50e01-972d-4640-9b4f-9cf9b3d16aa6	193.54668	2014
## 2371	t_c2b77b68-1c22-48cf-ae2a-5bf5a2f217c1	212.70666	2014
## 2372	t_ad79f262-c5f0-4cd4-9c8c-5f9a25fc31c7	372.09332	2014
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## 2374	t_9a157628-7f22-48a0-8b05-a5e98f89e4d0	144.00000	2014
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## 2377	t_bdb2fc47-b964-4f96-924b-05873aca01bb	219.06287	2014
## 2378	t_5dda1f03-e1d1-493d-a031-ad11717e5898	243.74399	2014
## 2379	t_85a5331a-a8fb-4b38-a138-85562bdbaf20	275.56790	2014
## 2380	t_667879f5-47ec-4feb-9671-9eff2bb8f33e	198.26666	2014
## 2381	t_ca896b43-f294-442a-a44d-263a4db3fbd6	220.74667	2014
## 2382	t_699c73b6-ec9b-463c-a89f-b9ac1fe56da5	213.44000	2014
## 2383	t_dde7ab68-3486-457d-8804-97ae0a1a1cdd	106.46340	2014
## 2384	t_b40e05fa-5662-4de9-99c5-0e8901f60b79	182.64000	2014
## 2385	t_1bd029e5-e28d-4cfe-aeb9-9d0e91e0a507	220.62666	2014
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## 2387	t_49b31e24-ec5d-425b-a012-70d85539a366	213.89333	2014
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## 2389	t_44c8f4ca-c103-4210-acbf-aae9e616be04	180.91252	2014
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## 2392	t_024ab7a4-1b4a-4eb8-ac76-a553bce75258	606.58624	2014
## 2393	t_6b38faed-96cc-436b-9aa8-48e7e4f2b409	165.77333	2014
## 2394	t_157a2b25-8748-40e6-809d-f47c651eebf7	276.07999	2014
## 2395	t_926abc44-93c5-4ea3-8434-af348e2a1000	325.07999	2014
## 2396	t_ca9c161f-543c-43e8-b8f4-fe724abaf618	215.93333	2014
## 2397	t_506f8051-9f8c-4e37-b0d3-ea2544501bf1	185.91782	2014
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## 2400	t_b3655015-29d9-4730-bbf8-1cb30d532100	225.00000	2014
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## 2403	t_d173ac80-607d-4ec7-8a8d-7bc0b6d958e7	213.74998	2014
## 2404	t_023da0fa-0c7b-42d5-98b3-3ce29e02d7ff	198.85265	2014
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## 2407	t_442242be-2016-41e2-8d90-66c00dd16a13	230.77814	2014
## 2408	t_9e834e58-5b8e-4a56-b533-d1b6072c284b	301.95999	2014
## 2409	t_55d2080d-8ee0-465c-b3e9-3567c3516714	311.83066	2014
## 2410	t_a5866e5a-cacd-4e80-ac6d-11e9d8a2c4c9	270.30667	2014
## 2411	t_ac6c083b-2453-41a0-bcf3-1681ecedb18c	117.57288	2014
## 2412	t_4d6f96cd-b094-4583-9f1c-c1ee0f4dacea	230.29642	2014
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## 2415	t_bcb7c896-86d3-42f8-a2dd-d40a476eec82	150.24001	2014
## 2416	t_83db195d-8738-47aa-9b63-d8ea85166fb7	190.52000	2014
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## 2419	t_eaa735d6-7a9f-41b4-b2f1-fba830cc605d	278.64001	2014
## 2420	t_075cd0cd-ddfe-4c12-8011-51093c32bd1b	98.65519	2014
## 2421	t_f2dfe85c-759e-4a7b-82f9-7aa35d749837	302.79999	2014
## 2422	t_85244719-3c93-42ac-88da-7cff0cfc72a1	270.22668	2014

## 2423	t_d093c490-0a18-4984-8285-3bf6b138b1f8	401.76001	2014
## 2424	t_a6033df3-612a-4461-99cf-3502492dfc69	165.73334	2014
## 2425	t_7c4a929e-57b1-4189-aacc-3958f4ee8673	251.48000	2014
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## 2427	t_c412cba6-15a0-4aac-8f20-28ce565bf867	186.40981	2014
## 2428	t_362a1f16-4e80-4acc-8ccf-549ea074fc60	104.52000	2014
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## 2430	t_48abc643-17e1-4f2c-84b8-03f352a35acb	177.45332	2014
## 2431	t_3fccc51f-f8c6-4f6c-b143-e65b1eae51f4	153.89333	2014
## 2432	t_055911ad-93ec-4fb2-b550-8d7ab5fc7662	252.01334	2014
## 2433	t_9491a350-8141-4b7d-8cf4-6a319c73ba6d	242.21333	2014
## 2434	t_3bb214c5-8069-4d7c-ab18-de824129915e	247.98666	2014
## 2435	t_204b6689-d9c8-4157-b39a-198b8f213060	201.98666	2014
## 2436	t_6354d020-c5c7-470c-9ce7-64edf10faf87	234.34448	2014
## 2437	t_fea08cf2-9380-47bf-9302-080ccaed768d	255.93230	2014
## 2438	t_413be00a-63d3-423b-9f9a-2b1ec01a68d6	218.86667	2014
## 2439	t_ac6ea383-de5f-41bf-9168-fdd33190ee46	289.74667	2014
## 2440	t_46779adc-a7a1-44f9-8533-ff1560dee204	203.01166	2014
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## 2443	t_6f93d127-7232-46ff-9b58-37136e1a9376	155.81332	2014
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## 2445	t_c1407dcf-153b-4174-ad14-1888584beaf3	97.38449	2014
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## 2447	t_c3ed2b8f-4da4-4763-9b69-c4eab69185b0	188.60799	2014
## 2448	t_817f7717-a1bd-4fb2-ba3a-c0659ba13c29	224.38667	2014
## 2449	t_e7fc3c78-8034-4914-a0af-ded44bde2529	316.21332	2014
## 2450	t_3f1773b0-417d-4252-a526-435cfdd6bcb0	344.44434	2014
## 2451	t_ba9fab7f-f005-4e56-a48b-a507a54d2be0	325.17130	2014
## 2452	t_3c4a0c27-7842-494a-bf14-b1dfb99022c5	191.88000	2014
## 2453	t_629242ee-f4fa-4d85-8a15-8871adc49f3d	250.45332	2014
## 2454	t_fad1f7bc-09d0-4ce0-8297-387369c1c0fe	237.17645	2014
## 2455	t_f6515f92-b91c-4a59-b2a0-ace0cb077dee	37.91868	2014
## 2456	t_c683d335-8e62-4390-8046-0368fba94159	191.01334	2014
## 2457	t_a4efaa71-e9d1-492d-9bc6-2b3d4449b643	221.74667	2014
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## 2459	t_65884fd3-5577-4c6a-bf73-863de0ef5a37	275.66666	2014
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## 2469	t_66f2085c-599e-4fea-9959-2ac4113f7159	209.46667	2014
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## 2473	t_048d39a0-f4cf-46dd-9f8e-621d083fc8f2	217.93333	2014
## 2474	t_ffb8d96f-d1a3-4ac4-a2a7-6383c71aa3c6	298.13333	2014
## 2475	t_5ae227b7-00ba-4916-9f59-7ead29c9190f	246.93333	2014
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## 2478	t_3379819e-42a0-4d43-85aa-e31d926029c4	281.21332	2014
## 2479	t_9763ceb2-40ac-4f4e-8f93-8c7890f0f394	206.73048	2014
## 2480	t_18f7b409-f2f7-4489-baaf-b2f6e3f80e38	227.57587	2014
## 2481	t_31d89d4c-b6f9-46f8-a967-8d90d5eeeb8c	238.52966	2014
## 2482	t_058805d8-b0ce-405b-8fa4-e0efeb305986	166.25333	2014
## 2483	t_8b25a0d7-a5e4-4acd-abf3-2e4d830b5620	189.46613	2014
## 2484	t_6897fd94-46e1-45e2-9be5-6b518d0eb00e	114.56000	2014
## 2485	t_07776e72-a1c5-4019-a39d-29774f7ba145	223.84000	2014
## 2486	t_1f29f190-31e9-4023-b06b-b6fdf403629f	156.50391	2015
## 2487	t_8265a4fc-7b46-4c7b-808f-15b513a12970	253.02667	2015
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## 2496	t_528cf44c-da29-4919-be7d-394cb8d844b1	185.28667	2015
## 2497	t_469441e0-9fa8-4b0a-ad94-4348e8c91177	398.79941	2015
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## 2511	t_abb60801-0efc-40a6-bcd7-49332c86db34	196.97333	2015
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## 2527	t_e555bbf9-2bd9-4104-9c51-3dec0565492a	220.00000	2015
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## 2680	t_8a5b9d0b-4587-49d1-9237-b1da7e41f430	218.73923	2015
## 2681	t_36247959-0c0e-4363-86c0-d37195f81ee6	255.03999	2015
## 2682	t_e80b4e18-af20-4a5f-87a4-60372dff5a0b	224.52000	2015
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## 2685	t_abe51006-d6fa-4d24-bc80-5ebb2e3f4b95	237.84595	2015
## 2686	t_9cb57bee-6d5d-4ab5-ade1-bc83c5e48dee	193.89528	2015
## 2687	t_eb12931a-5d1d-4598-93bf-67db8134b6bf	134.24998	2015
## 2688	t_646e9f42-4dae-423c-8ca6-7873358bc923	230.22543	2015
## 2689	t_44b1ab6c-820f-4cfd-b5a8-fda8c34e1f00	271.87610	2015
## 2690	t_a160ea20-2cda-4ec1-9e85-bbcd36938a32	299.14667	2015
## 2691	t_f4af3731-de4b-4563-ad06-311c1a71bd16	172.70666	2015
## 2692	t_e1851523-ae12-4676-b122-c597943df687	222.00000	2015

## 2693	t_72ff8442-dae6-4902-ab6f-9e2474688cba	143.55119	2015
## 2694	t_6cc14723-2a35-49fe-9adb-cb947fa60ca4	225.05333	2015
## 2695	t_23285f55-5177-48f3-a23b-5c9a8593efb8	211.96951	2015
## 2696	t_5325abba-2d08-4b72-980b-e11a45ea0c4f	200.53333	2015
## 2697	t_ebfe88fe-41cc-474d-8385-87188271c2a7	163.17332	2015
## 2698	t_8a6f3e6f-0421-460a-8672-b0da1d1eddc	208.69333	2015
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## 2737	t_45c8bb35-de27-48bb-8f40-4b86115bb180	305.60757	2015
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## 2759	t_c6e053d2-1883-4925-8715-fa60e799635d	104.21116	2015
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## 2904	t_f5a6ce83-92ae-4317-9f5e-c65990309c4d	262.56409	2015
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## 2907	t_908e4feb-889d-4753-8916-3e6d6328e688	270.45334	2015
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## 4136	t_ab19193e-e6fc-4640-a835-2476284e02af	137.59537	2017
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## 5547	t_9a9b86db-5b6e-40a9-9ca0-a148dc1fa062	141.45332	1967
## 5548	t_cc6b7f78-2722-4068-80f3-baa1659cb60a	219.30667	1967
## 5549	t_1c5ef03b-7a70-4230-9e1e-fde6d619cabe	565.78668	1967
## 5550	t_16e7b433-59d1-40ac-bbe4-0fd0dd53a7cc	217.17332	1967
## 5551	t_620852a5-0ad9-4092-a7b5-dacd5e71bbf6	198.77333	1967
## 5552	t_702b8e00-9877-4320-b3ae-d9563faac174	157.66667	1967
## 5553	t_fa256409-b387-46a0-a232-1086f64cd0d7	251.01334	1967
## 5554	t_62d657ae-9187-4d46-9419-ddda844d80a4	153.29814	1968

## 5555	t_3f2c29ac-2072-4b15-9210-9e42cfd2fa94	236.46667	1968
## 5556	t_4edccb08-c6a2-4e5d-9f6d-4ed192e32502	212.86667	1969
## 5557	t_9df6dddb-1d68-40bb-abd8-524f6b2cce4e	170.72000	1969
## 5558	t_66887ae4-e12a-42dc-95ce-12587bee1c9e	480.56000	1969
## 5559	t_28313741-65df-4cc0-8e54-ff0bc94f0e20	281.22668	1970
## 5560	t_6a9b20e2-6b7a-4969-aacc-68b6d0661f34	231.13333	1970
## 5561	t_71224c00-ab89-4fe1-acc4-8489e0f8691d	112.04000	1970
## 5562	t_c5471712-e379-4e37-9bca-515f5a7be65d	326.93332	1970
## 5563	t_85726b0e-f4d1-4a3c-bd7c-0709d1e3b115	202.06667	1970
## 5564	t_8d22206f-281b-40aa-a7e4-6669dbd85317	345.34668	1970
## 5565	t_9e6fb697-6278-407c-9dca-ec7b967f90a7	217.74667	1970
## 5566	t_e02c295a-077d-4f76-b426-f5fd2498af45	423.84000	1970
## 5567	t_c107ea22-29ad-4d14-a41d-4c84d357e8f8	265.93332	1970
## 5568	t_bf072e49-9777-4f08-a16b-751aa4305c17	228.13333	1970
## 5569	t_f4d68b74-61c3-4680-a717-77d281f8ed85	199.39896	1970
## 5570	t_6b10b9ea-4878-47e9-99fe-c4a75638afba	297.29334	1970
## 5571	t_f60a1a72-abd4-4217-829a-4ff06a07206d	279.97333	1971
## 5572	t_f43bc9b5-63ed-4c7e-a43f-fbb6b3af589d	364.62668	1971
## 5573	t_337e5ab1-f867-44c6-8c60-a180a2f60c19	188.60001	1971
## 5574	t_0f694a7c-14a8-4549-a083-e5fea9db4edc	293.79999	1971
## 5575	t_791054a7-2640-48d4-afdc-b77b99188c35	159.64000	1972
## 5576	t_81098f6b-ae5a-4b97-9aef-ff3b11fbef09	410.53333	1972
## 5577	t_69a9755a-7f4d-43e0-86a4-6aa6d07863b9	227.26666	1972
## 5578	t_85d991b9-1082-4eff-8c23-eb58f80b4612	266.13333	1972
## 5579	t_1aec048d-5155-4c79-9ffb-501b54ae4ea4	198.70666	1972
## 5580	t_fc1c1062-8d45-4742-b4a4-3ced19d70013	186.94667	1972
## 5581	t_c9a1736b-befb-4f1c-8842-75c4a7969000	427.67410	1972
## 5582	t_0770c990-3e60-492f-b273-cab5e932173a	201.13333	1973
## 5583	t_27fd44fb-68a9-498b-a0c1-aaa9a20fb55b	241.30667	1973
## 5584	t_a66a0ecc-c8d1-405a-b1c7-491ac87acd89	266.95999	1973
## 5585	t_b9f91269-a82e-4c26-9512-6edcc6503f48	288.16000	1973
## 5586	t_9df36a70-0d87-4b89-a90f-d0a535322047	220.34666	1973
## 5587	t_37f627c5-793f-4ee7-a6b2-88ba54ef7b9f	327.77332	1973
## 5588	t_322af7ab-80dc-4d2a-90ea-e8a02a0b2619	385.89334	1973
## 5589	t_b7c29c4d-b455-428f-935b-c6bba4154c04	349.60001	1973
## 5590	t_9bb79585-83b8-4f3e-94cc-d6798fbfb082	155.88000	1973
## 5591	t_100b2eea-38d3-4ad3-a275-aa50faf978d6	65.31442	1973
## 5592	t_a6d2a3ec-6a8d-4fe6-956f-f9570368499b	278.00000	1974
## 5593	t_f24eaf06-4b87-4feb-97a0-88e2a8d4be2e	364.23999	1974
## 5594	t_bd682ea9-1272-4dc2-80a3-dc4498e6fcbb	192.33333	1974
## 5595	t_81bcd76-e225-4609-bc18-80dabff1fbe3	252.13333	1974
## 5596	t_cb1d12ea-8dee-4a44-bedb-cc27a19dc58b	143.92000	1974
## 5597	t_bdf78eff-42c8-4f2e-a9f1-948d4edaf6e0	250.12000	1974
## 5598	t_e395696d-6abc-473e-8ba6-b3216f6302fb	169.56000	1975
## 5599	t_098e7175-f1e9-4425-b0bd-b96f5aec91da	427.79999	1975
## 5600	t_0544353f-5085-4d38-8c66-42453d39f676	172.56000	1975
## 5601	t_abe95cf9-1c9b-4b86-8cdb-c0fbaba40798	198.93333	1975
## 5602	t_83ca743d-c0bf-4415-ac22-98b7055915eb	168.82668	1975
## 5603	t_cc4de1f8-c88e-48c1-a29a-3aeea9a44d20	279.76001	1976
## 5604	t_73930548-5248-451b-9222-72c071e12fd5	209.80000	1976
## 5605	t_e0b5fc01-4fd7-4bc7-9d38-c75f0c28b268	324.42249	1976
## 5606	t_cdfc63db-3d06-4c6b-a026-2437b4501269	202.33333	1976
## 5607	t_0b630961-4ff4-4e73-8bb6-8f2213d5499c	212.84000	1976
## 5608	t_5e61696b-8e28-42c5-804d-dbfcd2442618	274.39999	1976

## 5609	t_f446db02-7c3a-4b41-a277-b525fec0ecdc	304.94666	1976
## 5610	t_97ef22fd-cc63-4f77-9975-8085f85e51ee	214.20000	1976
## 5611	t_59f6b997-873c-4dc3-b9b6-f6d434be13b1	258.95999	1977
## 5612	t_7c28c29a-1adf-4b82-8c41-326128ce85c0	196.00000	1977
## 5613	t_fbedfa32-fe7c-4310-a113-60877669f6af	221.09332	1977
## 5614	t_d68a52aa-0de3-4f9c-8e98-caf191cf228b	385.20001	1977
## 5615	t_b0108ccb-c600-46f1-b861-becc6e4b1ba7	331.56000	1977
## 5616	t_ddc30284-ca37-4177-bb90-99e72b4b2eb6	365.82666	1977
## 5617	t_52ee9c4a-f975-4388-9a2f-c0a6ce1d1a78	220.62666	1977
## 5618	t_8c77ddc1-499f-4ebf-9a65-26b9369bd40d	211.16000	1977
## 5619	t_fbeb564e-1c9a-43e7-b31d-11512c9810eb	346.97333	1977
## 5620	t_71d617ea-60c8-4acf-84af-737536e106fe	265.17334	1978
## 5621	t_2f8fd0e4-beeb-4f24-a91b-b8f8623c7275	453.17334	1978
## 5622	t_cb9bcd9b-1ffe-47aa-ab0d-e56a4a238c67	83.13333	1978
## 5623	t_1ddc72b9-86ad-4b6d-b339-56508aa409e7	227.33333	1978
## 5624	t_e3d4da78-f675-4ff4-98cd-15aa64ee7526	238.69333	1978
## 5625	t_c39f811a-54f0-4cf0-ac99-4adf00f6c504	168.53333	1978
## 5626	t_d28ec4ad-29e6-45f7-9afc-67da7d0964d2	156.14667	1978
## 5627	t_bea5147c-6022-430c-8447-a40bec2f1682	246.98666	1978
## 5628	t_0837256f-23f6-41dc-8f1e-ebd8adfb1163	341.00000	1978
## 5629	t_325f60fd-6a7e-458d-9e52-2d7e449151f7	238.65469	1978
## 5630	t_33b58216-ede5-45d8-a8df-ffb9190ec23f	197.69333	1979
## 5631	t_a817b174-26ae-4582-8077-5a6d2bdfedde	253.00000	1979
## 5632	t_a0e18bf8-72c1-412a-9194-8e152dd62048	343.95999	1979
## 5633	t_2d6103c1-6ac4-4fbb-8660-d5ccaf24e189	298.12000	1979
## 5634	t_7ebebee6-7ded-42b6-8638-05fee36075e0	165.38123	1979
## 5635	t_31c0da6d-b126-4737-a120-4d7fb96196d6	219.86667	1979
## 5636	t_9f4b7a6d-b0ec-4fef-9224-10133191b134	290.28000	1979
## 5637	t_a343bbb0-6501-4afc-bd28-c78f458fb324	247.13333	1979
## 5638	t_f2dfc67c-001c-48f4-b67d-d1827c14fae0	273.09332	1980
## 5639	t_0c2c0750-8fff-4862-85c7-36f611c731d1	252.77333	1980
## 5640	t_0c36f1ac-3844-47b4-8ee8-2c21d071e9a3	189.09332	1981
## 5641	t_c23558dc-35e5-4271-9da1-5f48264c0ab9	284.10666	1981
## 5642	t_e892625c-dbb7-4414-93a4-82f4e298e518	216.46667	1981
## 5643	t_fde952b6-3fe6-455a-b5d1-103d11132e16	259.84000	1981
## 5644	t_e1b1fa89-eeef-42af-a64b-3f97673d6164	277.47696	1982
## 5645	t_990a161d-a56a-494b-aa36-28b621f32815	279.33334	1982
## 5646	t_a1226452-c1d9-4712-9e6d-1412d14bb31f	254.34248	1982
## 5647	t_b51735ea-c42b-4437-9af7-3f03efee5120	227.62666	1982
## 5648	t_64401301-699d-4b61-8303-d9e64668e433	130.00000	1982
## 5649	t_5d0dc359-2541-4b41-96e3-dcdc27f58669	296.10666	1983
## 5650	t_2479d657-a4d4-455b-8555-315c738b1398	234.30667	1983
## 5651	t_4bbeada2-66cb-4a40-9108-d0649f4a9468	287.00000	1983
## 5652	t_58591715-75f9-4379-ad60-72aeafec0381	253.24998	1983
## 5653	t_96db7559-54d8-4b5c-8c70-75bdf6f6a805	266.17334	1983
## 5654	t_0e847fc4-b2f7-49d7-b70f-2458f03dd757	408.48001	1983
## 5655	t_a9c5f9d5-ca28-42e0-8af8-e426feba9433	215.32636	1984
## 5656	t_849226b6-72e1-43fd-9c20-7cc7c3b9a30b	239.50667	1984
## 5657	t_6310f741-6c71-4d64-a2e2-50dca4056b95	169.13333	1984
## 5658	t_bed68640-b3f8-440f-9c62-1e5d6f0bbf4a	302.62668	1984
## 5659	t_aa547d1a-df73-4ee8-ad0f-6800eb8d2976	223.53333	1984
## 5660	t_b422fd1e-9d68-4825-97a6-721316a41999	226.88000	1984
## 5661	t_52edb012-5084-40b3-bc1e-6ef9225a33d4	206.36000	1984
## 5662	t_f5ae6aab-1800-4ea5-96dd-37cee1269d33	347.60001	1984

## 5663	t_c5d6a8a2-8365-4d71-8d14-a1064c850e81	176.84000	1984
## 5664	t_a82fbcec-49eb-4f47-a291-71c2aefbc2b7	223.66667	1984
## 5665	t_f62ab83e-9969-47e1-9294-a47146a1795c	202.73341	1984
## 5666	t_ce270f2d-29e3-45a2-88fc-e202ef054913	326.12000	1985
## 5667	t_d94bc6b7-7e9a-4c6f-89ac-f22f3f2b491b	297.58667	1985
## 5668	t_b97ecc71-6c90-4dd2-a212-2ba0b95b02b0	181.84000	1985
## 5669	t_4facfc78-2e8f-4ec1-b182-f868c300086d	217.69333	1985
## 5670	t_e346e5b7-af8f-41cc-84b0-d7abafda1ec5	304.50668	1985
## 5671	t_b20e1633-2195-48db-a924-55c4a9c186ab	271.97333	1985
## 5672	t_f13c17b6-3769-4744-80d2-0b0ad4b7a088	355.79846	1986
## 5673	t_54660ce5-63a0-4dc9-bacb-25b415870e29	219.17332	1986
## 5674	t_032d274d-409a-4c8e-8dd6-966c26dd83f8	193.32001	1986
## 5675	t_ea400576-8b1f-442a-aa35-9a4a4d910662	234.69333	1986
## 5676	t_72cc068f-ed27-4a8f-a3e3-20bf7dbbb875	251.45332	1986
## 5677	t_bdbe0b21-2599-4ec0-a9fe-4d502582bc1f	197.80000	1986
## 5678	t_17163c42-4b91-46a8-9666-965a3c231d3d	291.29334	1987
## 5679	t_599c63cc-0318-4dfa-8cbb-d9274c3ff387	197.90668	1987
## 5680	t_445b9668-4d6a-47ed-beec-7bb3ab6a26a4	267.30667	1987
## 5681	t_17c2fb17-6f18-4982-b40d-fc50fafa98fc	233.25333	1987
## 5682	t_150ad571-646d-43af-9629-5c3592c60c82	280.84000	1987
## 5683	t_a2b38c0e-b763-474e-953e-5b854fbe67e5	224.86667	1988
## 5684	t_5a88a95d-4493-4678-99d8-c93b8f9e1838	81.46667	1988
## 5685	t_33d857d1-139d-4e7d-8d51-7ac429f425af	242.13333	1988
## 5686	t_1a76c346-e179-46a9-9e99-7fee752660d9	142.70666	1988
## 5687	t_d58e3e5b-6a4b-4805-aa62-604bf30df879	183.97169	1988
## 5688	t_06e7b738-6264-4b06-9d17-44b3cf51a04d	258.50668	1988
## 5689	t_827588b1-8c11-43ab-b404-561f0f29d1de	237.24001	1988
## 5690	t_6dc6dfcd-3359-4e1d-8dcf-e5cd63bd6166	258.35999	1988
## 5691	t_c941c7d7-a25e-4c49-b9c5-140f53992b68	128.89397	1988
## 5692	t_cb541b88-ef88-46b2-8c59-773396220a64	290.39999	1989
## 5693	t_c523bff6-fc98-48d0-867e-64001daeeae3	229.96001	1989
## 5694	t_6e718f25-dd82-47a8-a007-344115645edc	227.77333	1989
## 5695	t_a036b331-200e-4257-8f79-5c208c15833d	375.70666	1989
## 5696	t_373302f5-f587-48f1-a094-6dce1646ebb7	173.26666	1989
## 5697	t_8bddf6aa-87d2-44b5-94ef-0ad864f69631	330.93332	1989
## 5698	t_851079a0-6dca-47ac-8590-5124b87b06d6	292.69333	1989
## 5699	t_a80db9a7-0c3e-406e-b627-cef5e31d93a8	213.00000	1989
## 5700	t_cbf31348-b1d2-4272-acd3-88bd406eef58	257.57333	1989
## 5701	t_f4c3eb4e-3bfe-429f-bfa2-f2b917a33b6f	213.25333	1990
## 5702	t_c2f8421c-0407-48ea-9a76-5b27231bdde6	215.53333	1990
## 5703	t_154a8b70-a00a-4362-a103-e7fcd12e8e98	188.82668	1990
## 5704	t_ef1c2404-2d3a-4c82-a6bf-750a6f2bc89a	186.06667	1990
## 5705	t_23d1ba85-9aef-40ea-9266-029d66c8488b	269.06668	1990
## 5706	t_40b5ba0a-a7a5-4158-9e82-a9c5022a8e14	273.02667	1990
## 5707	t_5c8cb329-f7a5-4ab6-add5-912931308925	228.06667	1990
## 5708	t_82af9cee-ba84-45db-850c-732e1f3e9ca6	343.09332	1990
## 5709	t_56971a47-4be0-4d87-a838-94a56ac1c7db	230.18668	1990
## 5710	t_3eedd2aa-642e-4dda-92d5-f4d113b98517	284.70666	1990
## 5711	t_b89633a2-2786-4219-ac8c-d4053220aa1b	242.05333	1990
## 5712	t_8f7de5ef-c7c2-45d8-bb6d-8ab8626bb6d6	240.86667	1990
## 5713	t_8bee7ba2-981a-4c67-91b6-03e882f0c4f6	243.62666	1990
## 5714	t_5f9a0866-9283-4bae-ab4f-0e23cce96695	292.62668	1990
## 5715	t_06f9142a-0738-417c-b9b5-9b5e7b2851d3	244.26666	1990
## 5716	t_c6d413c9-de57-4c6a-bd57-4c82265a06a7	202.69823	1990

## 5717	t_561b96b1-e67a-4dbf-8c8b-1248593ce961	244.77333	1990
## 5718	t_7a31638a-3a97-4508-b2c6-49d6f69b3a12	343.06668	1990
## 5719	t_b81a06b7-689c-47ec-9955-33576b218d8c	200.57333	1990
## 5720	t_c0dbbb22-e3a7-4db5-ac2e-b569c5917246	151.30667	1990
## 5721	t_08c4f770-7451-4e6b-aaf4-64bd34bbbed19	329.39999	1990
## 5722	t_642b632c-f745-4adf-9035-09a3f9f41600	249.52000	1990
## 5723	t_63a4d832-47f8-4c94-a480-2dc82a052567	454.28000	1990
## 5724	t_5eeec6e5-f079-4f8b-9be3-ceb79d7c631b	273.05496	1990
## 5725	t_0e4cc1c0-35a0-44fe-a02f-eac1089923cf	302.84000	1990
## 5726	t_3085a0c7-c0d0-4a30-b8d0-442c36995641	286.46667	1990
## 5727	t_dfd18662-603a-4e11-9dcf-ab87a67cd7ed	340.76001	1990
## 5728	t_0d9d7169-9a40-445a-8b6b-ca482f3c9a1f	267.46667	1991
## 5729	t_5f752929-200f-4827-b729-aea5c5c270b9	194.44244	1991
## 5730	t_0940243f-9b2d-4e48-9231-a9ba58947a9a	160.49333	1991
## 5731	t_e63eef92-3951-4853-a4da-f0626f7e3cef	269.30667	1991
## 5732	t_a6887ee7-da37-48df-b461-755107fab3b5	160.86667	1991
## 5733	t_4f7fcb71-97d2-49b9-9eaf-bd4dd18ba17d	259.20001	1991
## 5734	t_8e663394-33eb-4402-b4d1-697ba092bdc1	301.92001	1991
## 5735	t_ef3af231-e410-44a7-b2cf-2655541764fd	227.92000	1991
## 5736	t_3b07aa41-0d11-4422-8ce2-d3c3dce3bcd2	245.90668	1991
## 5737	t_55a7ace1-3547-4367-89fc-11ce888636c4	236.97333	1991
## 5738	t_94c954db-e3a8-4552-a7ae-0f2c0e5b84a0	352.89334	1991
## 5739	t_c32dc5a1-395f-4d22-bafd-fc8f5acb2f84	227.57333	1991
## 5740	t_edf5e546-b047-4ffa-951a-abef9fff0137	292.22668	1991
## 5741	t_96b22ab8-981a-4276-8409-71c37ff8b974	216.59573	1992
## 5742	t_10c8dc96-b0ce-445d-866b-3858aa38c297	315.12000	1992
## 5743	t_c9876fd9-6135-4237-a187-5e46d6dafc2c	188.70666	1992
## 5744	t_d1dce24d-3a27-431b-ad5e-dc29efb15b26	500.93332	1992
## 5745	t_750a0438-6e81-4c17-ae08-36c0bfde65eb	261.35999	1992
## 5746	t_6bfd552f-166f-4643-ae4e-486d2cf1ff0d	174.39999	1992
## 5747	t_9f8abe3b-887a-49d1-9c49-fca2565e3b53	310.60001	1992
## 5748	t_caf0d6e8-2365-4e89-8a94-b62b17c05aaa	260.42667	1992
## 5749	t_a3a7222f-dbc8-4c0d-9aca-165494ed0419	254.00000	1992
## 5750	t_b1b31e1f-7ca9-456a-a334-f9e072663371	299.82666	1992
## 5751	t_d5984777-e5db-4559-9abc-d62445d7eb02	219.26666	1992
## 5752	t_010cbb72-6051-4d1c-b557-2c0fd416e71c	317.35999	1992
## 5753	t_78543c34-7be3-4c9e-94b2-e8f32260744c	276.77332	1992
## 5754	t_1c34a303-bd67-4fd6-b302-fd175509b923	219.10667	1992
## 5755	t_20c2c884-d543-41d8-af05-7164646ba8ea	291.13333	1992
## 5756	t_26b9af50-21ff-467f-9f7b-115656d4521f	194.18668	1992
## 5757	t_3ac8fd7c-5983-40ad-b644-079c46050836	258.86667	1992
## 5758	t_70559ba6-e928-408f-84b9-215abbea2b54	262.13333	1992
## 5759	t_8d024de7-473c-41bd-8533-174c4fec37b3	272.70666	1992
## 5760	t_2e9aeb37-4e0f-41d5-afe2-5b7b3fae0dd4	187.66667	1992
## 5761	t_61913202-b49a-45af-9628-618eb38a5d83	327.26666	1992
## 5762	t_cc259cfa-2af0-4ecb-a3a5-427b6d0d39cf	281.06668	1992
## 5763	t_52713890-fef5-49b3-a3bf-0f1f77312be7	214.75999	1992
## 5764	t_373ae6c7-25b2-4df0-9d59-5d960b6bc44c	258.37332	1992
## 5765	t_553d72d1-901f-4672-a7da-b299277cfc8d	197.44000	1992
## 5766	t_801a861e-d525-4cc1-a3d7-2bf408a7d62d	288.60001	1992
## 5767	t_2307f9fc-1a94-43e5-b001-899ed177694e	336.44000	1992
## 5768	t_e2c65734-9e65-464a-8140-3a4073738db9	178.28000	1992
## 5769	t_c53ae73c-4d53-4272-a174-9e6bf4184732	145.77333	1992
## 5770	t_50cc56c6-fd5a-448d-a80f-02a18751dbd9	275.89334	1993

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## 5772	t_f856ae9b-0c65-4789-be2f-58dcd62b9ac9	177.06667	1993
## 5773	t_a450a5d3-0ce3-4c32-9253-17abc934247e	215.49333	1993
## 5774	t_eb1008c7-3a82-4dfe-b14c-9597ee8d7648	286.44000	1993
## 5775	t_2eb54d60-d1d9-4b76-9570-f58917b0d04b	340.20001	1993
## 5776	t_5f2d8710-e05e-4ba3-8bf6-66058abd3b07	285.70666	1993
## 5777	t_d5102d39-ad6b-4150-97b6-14c9f4c79b16	265.02667	1993
## 5778	t_da119ae8-367d-4a3f-9699-520d06eb93cd	262.23999	1993
## 5779	t_6085219c-d83b-460a-bdb2-478c66b0c47c	253.22667	1993
## 5780	t_6f51e4b8-d13a-461d-9ff3-ce55aa46ecc1	338.16000	1993
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## 5782	t_c594f4f0-e755-4f6f-a726-7a368df35473	247.39999	1993
## 5783	t_34ef5603-127b-4ab1-af97-120bdc5ad57b	231.81061	1993
## 5784	t_74b507f0-c216-445e-9c6a-08af60baddaf	237.75999	1993
## 5785	t_a1a5ff9f-d7dc-4441-871a-df17929d8389	217.61333	1993
## 5786	t_594afb79-5edb-41fe-a189-f3c2530fd937	233.17332	1993
## 5787	t_8bac0166-7db1-4672-830e-19f2e949ccd8	300.20001	1993
## 5788	t_40f05c2b-ea46-4c41-9f7b-199a365a1e31	380.90668	1993
## 5789	t_508d3ea6-f0ce-488c-a28d-e5ae829a5ff2	261.26666	1993
## 5790	t_d0d6ac57-2f58-48e2-85e9-24c55bfc6da9	303.10666	1994
## 5791	t_7ee8b1ee-5c46-4b33-849d-20591617745b	338.93332	1994
## 5792	t_8157da08-aaac-4e03-ba78-8c3b5295a5c5	198.26666	1994
## 5793	t_043751d4-0d8f-4717-8457-d4f5430672fa	217.66667	1994
## 5794	t_2d6f51fd-643e-4c05-bdac-d702441cb1b5	305.56000	1994
## 5795	t_4bfe0996-e3c4-4cef-a3c1-496eb97eb237	321.30667	1994
## 5796	t_f79d900b-47f6-42a5-a17a-6930318a1367	239.06667	1994
## 5797	t_08ec6b36-7aec-4540-8f24-9797d8bbc4d1	106.40000	1994
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## 5799	t_fdcd0abd-88b0-4968-a2c7-3d116c344a0f	180.16000	1994
## 5800	t_75a3d4da-1f58-4816-9f9b-8c600df1ce55	262.51999	1994
## 5801	t_a7f858fd-19ef-4288-a92d-d58773a6f2f5	170.75955	1994
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## 5805	t_22f3a19c-87a8-4d98-8073-05f1d7e11b95	273.10666	1994
## 5806	t_dec515e9-7fb7-4637-ada6-9ac3bab56668	317.62668	1994
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## 5809	t_5a5c1b35-41b0-4fd5-9959-7fad7c5186e3	206.86667	1994
## 5810	t_7b69d7f6-ff44-4887-8aa3-0491aad30cb9	109.29333	1994
## 5811	t_378c9d4b-3620-4271-879b-baddeb89c20b	127.60000	1994
## 5812	t_258ee53b-eb0a-488e-ae86-73b7e2ea709f	327.60001	1994
## 5813	t_ee1443d3-f663-4a46-9012-34158f72b636	199.66667	1994
## 5814	t_7efb2928-0078-40fe-ace8-90d7f01f13fb	479.06668	1994
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## 5816	t_976de041-42ac-4a0e-9009-6e3807b7dbcf	146.28000	1994
## 5817	t_f80257c0-bad7-4922-b2ff-4073ca00047d	319.39999	1994
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## 5819	t_6a77e173-7c67-4e96-a73e-e09d730b7984	210.33333	1994
## 5820	t_1af565db-d1a9-47f2-9555-aa3fc1d7edee	268.60001	1995
## 5821	t_01b11cd3-1988-4a88-831e-6bf79c6a7bbd	194.97333	1995
## 5822	t_b704a45f-b285-4060-9de2-837a1b4b6483	208.06667	1995
## 5823	t_deb1e7f3-7903-490d-a1ff-99b0d8a9ab0d	287.55591	1995
## 5824	t_cc4a0d9b-80fa-4d70-b1d0-92521dc92403	323.76001	1995

## 5825	t_a7b813af-7b76-4fe7-8a57-58848a08d64b	272.89334	1995
## 5826	t_dfb232d0-0f80-4295-bea7-79790fb80587	315.41333	1995
## 5827	t_ada9acd9-4031-4d08-888b-b7de6fbee98d	193.00000	1995
## 5828	t_da0816c3-58d8-4161-99fb-4b8b5b55be33	360.06668	1995
## 5829	t_b96997ff-032f-495e-bd09-b41a19e6d528	239.22667	1995
## 5830	t_2937bbc2-5ea9-4fbb-8725-e40c7a41ad1c	209.97333	1995
## 5831	t_f3b46998-d911-4674-9963-6abac9daf668	243.92000	1995
## 5832	t_f139d721-165d-4cf8-87f0-eaadd1bc7a14	275.14667	1995
## 5833	t_166e2087-a865-440c-b2c8-1e1828c214db	123.46667	1995
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## 5836	t_da5abb9d-2714-46e4-b8ea-716ce0f7dd53	316.22668	1995
## 5837	t_eefd6469-9c57-485c-83a2-36ec0858331e	150.89333	1995
## 5838	t_23c45e94-04e6-449a-b743-7d64e7d62e8c	215.16000	1995
## 5839	t_5c96b4cd-9b62-4bbc-9f3a-1bb1442ede33	95.70667	1995
## 5840	t_25b020d7-884c-47d1-a654-3cfe2108ef90	272.86667	1995
## 5841	t_c4be6fd2-f4f9-42aa-80d8-69ebff71c323	281.56000	1995
## 5842	t_8542bb34-5989-4892-a342-e39ec180b40f	263.22668	1995
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## 5844	t_e3198a5f-341c-443a-992e-abdef4fbcf06	376.48001	1995
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## 5848	t_1d3cdb99-b5af-4f34-8f94-7036203765a1	259.86612	1995
## 5849	t_ba050091-9ebc-42da-a929-a3c914fbc2d7	270.97333	1995
## 5850	t_b56ce46c-90f0-4485-8413-185ae92e6b91	287.06668	1996
## 5851	t_f793e64b-feba-4bfe-86f4-ac8abcf9ef8e	243.30667	1996
## 5852	t_1871b829-d0c4-4a81-be91-c4f5afba6a5a	179.56000	1996
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## 5854	t_1e545745-d59f-47c1-9e31-2dde22e1fc0c	205.08000	1996
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## 5857	t_a7d3fac7-6e86-4d38-a939-82e5befce3af	259.49332	1996
## 5858	t_fb09120f-0cfc-42d4-a919-53ed373a3457	307.77332	1996
## 5859	t_a249c89d-f632-4b74-9600-60b42b7cf05b	440.79999	1996
## 5860	t_91415e6a-492d-44ed-84f0-4803d300ec79	218.82668	1996
## 5861	t_f62494b6-a9be-41e2-9584-936e004fab23	182.50667	1996
## 5862	t_d4143f9d-6065-4ab8-8dd5-6d3ffa838825	256.95203	1996
## 5863	t_37f287bc-4935-4508-b576-950e8ab2f97f	292.39999	1996
## 5864	t_f2563968-54b6-446f-8fc3-818f66c87255	235.97333	1996
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## 5866	t_4a84e805-ebe3-4eb1-bf8f-68e344cdb7fb	310.46667	1996
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## 5870	t_8b19b535-ee3a-4e8e-a971-241107ab1e38	241.16000	1996
## 5871	t_21034a2f-c98c-4ceb-9ba7-8845a02fae77	338.46667	1996
## 5872	t_2a31759c-d198-4fa7-b5a7-db6ebb90b789	239.54668	1996
## 5873	t_84185112-eb04-4fbc-a3d8-f86472f0923d	246.66667	1996
## 5874	t_f8943293-e280-47a4-8cca-796001f1fee4	243.46667	1996
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## 5876	t_418f8a7d-c083-4a6d-a0f8-bb47e4ed530d	161.80000	1996
## 5877	t_398f47ad-424d-4a7f-830e-6e0c90c579cc	304.60001	1996
## 5878	t_5c21ff3d-abbb-4ab3-99db-7a0e1b9c5b20	301.86667	1996

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## 5883	t_5595bab1-8f01-489a-80a1-8be9057838b2	259.18112	1997
## 5884	t_291f349d-153a-4897-b5c9-52b868ebcd79	126.90667	1997
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## 5886	t_374a1423-bb94-46f3-9d60-7c05cfad00d6	107.66667	1997
## 5887	t_4cbc8845-a31e-458c-8b53-0a023364a3a2	221.86667	1997
## 5888	t_82b62e30-619e-4b5f-aa3f-ca3763ec108d	83.42667	1997
## 5889	t_daab7cdd-68ea-41d7-9d17-ba813fedd40c	218.39999	1997
## 5890	t_80404b32-6974-4d35-8eeb-a6833a759311	204.02667	1997
## 5891	t_97d8f0b7-2af7-4b3f-ab2b-9176a5d312ee	315.50668	1997
## 5892	t_0329bdf2-dcb9-4ea4-a07b-3e55a52dec2e	309.89334	1997
## 5893	t_1957efc7-da88-4d4f-ad2d-0fe13d2ba877	283.05334	1997
## 5894	t_62b9c791-b328-4415-9374-dee413837d45	215.64000	1997
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## 5897	t_6c0acefb-3903-447c-84c5-436de2c8a227	296.39999	1997
## 5898	t_1b8b4292-2b02-456f-9f13-deee4bdb5e2e	230.20000	1997
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## 5901	t_760657cd-a8df-4ed8-ae18-337cf909ec71	281.60001	1997
## 5902	t_9b5e66cd-9762-4d0c-872f-f06a2efb4d7b	120.96000	1997
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## 5904	t_d31ca0a6-14d4-4b12-9d51-a78f4878a8e8	299.86667	1997
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## 5908	t_51d12463-12b2-4fc2-ae6a-b19a28304e42	448.62668	1997
## 5909	t_730f49ad-1467-4c34-8b67-d738fbba2864	197.56000	1997
## 5910	t_d70a09c3-8d9f-43b0-918b-0de60fe95822	139.16000	1997
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## 5912	t_8ee2572b-2b88-4fdf-925a-1bd0744f3442	191.53333	1997
## 5913	t_dc34aa0b-f007-4a63-8573-58e886d1cfd8	308.09332	1997
## 5914	t_015dd900-208f-4cd3-944d-7c2d739f758b	103.30667	1997
## 5915	t_1cebdb31a-cf0b-4b35-9ac2-4a5784ef49a3	282.44000	1998
## 5916	t_eedeabab-510d-48b8-980b-f9579b934999	165.24001	1998
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## 5918	t_eec0fe55-9933-40c7-a1c6-605a1ce6ef8d	268.60001	1998
## 5919	t_a1309157-dada-43e8-acea-7f6a86e1ec26	207.49062	1998
## 5920	t_f4b27e09-1f8e-498d-9d9d-a4898515df8f	215.61333	1998
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## 5922	t_b7b0c800-aa53-429e-beab-8f1b50f65f62	166.18668	1998
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## 5924	t_378353cc-13a4-40ef-ab7a-788bba2995a2	277.46667	1998
## 5925	t_39ff4770-7648-4ebf-b2bf-ca5ae8305c4e	334.82666	1998
## 5926	t_98223088-8733-4aff-91e4-22a04c02fd19	216.77333	1998
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## 5928	t_132716a2-db64-4fa6-b0c1-814559a6d2a4	211.84000	1998
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## 5930	t_ea6575f6-9f0d-4332-8bc8-6aa087750d79	260.79999	1998
## 5931	t_776b14ec-9a21-484b-8c8f-46774b1581c5	225.10667	1998
## 5932	t_d4e77da9-2df2-4d4f-a34a-07fbf483cf42	214.66667	1998

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## 5938	t_fabe1560-a306-4534-9e45-12ed00b01ebe	238.80000	1998
## 5939	t_dae3971d-c1a9-477e-9de4-c923ba6c4de7	202.73334	1998
## 5940	t_4595f639-85e7-4319-a083-85f9b8d220aa	229.77333	1998
## 5941	t_7c6dd006-1045-4005-b522-7db5caf50f8b	270.90668	1998
## 5942	t_e4730974-e554-4a0c-a1e2-46569cfe07b2	193.30667	1998
## 5943	t_8be5fbb5-a82c-4d83-9cc5-52e5761f6ab9	257.86667	1998
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## 5946	t_64262cba-8521-47aa-a1f5-ecfddef24e5d	170.61333	1998
## 5947	t_6cbf47ef-ee15-426b-a7bc-38fd91822d92	321.79999	1998
## 5948	t_adaba8f3-291b-4c13-81e8-b61674f96e35	102.66667	1998
## 5949	t_c7082150-9f98-4abd-b056-dc59723d24ec	211.16000	1998
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## 5953	t_73b7af91-9028-4638-8fab-6cca9cabeed5	261.13333	1998
## 5954	t_3efa6d11-e1a3-4cf4-80f3-ee491e06e7be	229.20000	1998
## 5955	t_1053be77-80ce-499e-ae02-dcb05f13aaa7	170.36000	1998
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## 5957	t_b1fb2725-408d-4e3b-bbe9-548ace293b15	243.16000	1999
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## 5959	t_7d50e893-d490-4917-82b6-118b8c270a69	207.50667	1999
## 5960	t_0617b830-3609-4b5c-a42a-ef62788bb3d8	177.36000	1999
## 5961	t_5e28e25f-6b08-4a5e-99e9-53c538aec79d	34.60000	1999
## 5962	t_50d8ae07-563d-4c66-bdc4-1433af66786e	249.03999	1999
## 5963	t_1cbf9de3-afdc-4046-8659-4667a34c4465	259.56000	1999
## 5964	t_50943211-ae4d-4443-9e3e-77732b6ac417	279.95999	1999
## 5965	t_a385c0d5-ed04-4c7f-9be0-bfdb46a7b5c4	242.80000	1999
## 5966	t_4a841cc5-58e9-42f8-8116-6210c9226508	292.69333	1999
## 5967	t_d812e495-ee4a-4a29-a299-18a330d072fd	296.33334	1999
## 5968	t_0fc89211-3694-479c-a7be-9da293b742de	277.60001	1999
## 5969	t_0d831e6e-266b-4cf7-9267-519eae7e3093	266.79999	1999
## 5970	t_83201095-503d-49fa-923e-80b75467189c	189.02667	1999
## 5971	t_289f2417-3583-44b9-aaf0-47fde2221adf	219.24001	1999
## 5972	t_8a4f8c28-ef1a-4f07-bd6c-e9e960e029cf	347.07999	1999
## 5973	t_cde85f9a-b833-4d0c-adbd-d5aed3cabe66	253.03999	1999
## 5974	t_9c396abe-d6d1-4201-af64-9ad11bca561a	207.22667	1999
## 5975	t_8d7dd970-ab3b-4d16-9f87-8bab4b02c7dd	190.48000	1999
## 5976	t_0c2f079a-99b0-456b-98b5-eea080971e15	272.07999	1999
## 5977	t_4dd56508-1a15-4306-9528-9a176fb5049b	268.39999	1999
## 5978	t_0cafcb33-1721-4eef-91e2-26594b302560	177.85333	1999
## 5979	t_6ab35d28-2b3f-4357-8cf3-7f54f7fc61e3	217.57333	1999
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## 5981	t_c99ea938-c0e7-4827-88d7-de3e2d47e6f6	166.36000	1999
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## 5985	t_fd7d0aa1-f5e8-44e1-b109-d4cbaf568b99	258.42667	1999
## 5986	t_5d026e38-2584-419f-b857-407ea9664271	203.16000	1999

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## 5992	t_3aefa681-d2fc-44c0-8fa5-823609880b21	323.29334	1999
## 5993	t_c413adbd-594b-4dbd-b8aa-ceb03a4dd4a5	206.37334	1999
## 5994	t_21cdc7c2-a4e5-4986-b340-2635050077cd	188.86667	1999
## 5995	t_99f1fd09-471f-49af-b7a6-171e92f97aa2	176.00000	2000
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## 5997	t_69ddaa8e-27e0-4595-90f9-6713554f982d	96.13333	2000
## 5998	t_5cc6fbb4-e8a2-4db8-9a66-794a783054f9	291.06668	2000
## 5999	t_87ff9b0d-3a22-4781-9019-07688261a0df	247.69333	2000
## 6000	t_79c07629-fa8c-4d23-8017-676c84b29180	291.39999	2000
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## 6003	t_3880590a-cf2f-4f23-b8f6-862831e0cf80	239.57333	2000
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## 6007	t_d720180d-ec36-4164-b3f3-78a6d642c495	195.29334	2000
## 6008	t_51b9f3cb-07b8-45ea-80f9-3ee1ccf822ab	192.56000	2000
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## 6010	t_4919a333-3fbd-454b-8d29-a13d95cfb404	298.82666	2000
## 6011	t_fc92b5ee-a8cf-46ff-ae14-0c0a9fc0a658	305.09332	2000
## 6012	t_86870ee3-8bc1-4903-82f3-21506353a8e1	318.77332	2000
## 6013	t_7c0f1a26-760a-4c08-89fc-7624b97faa07	286.44000	2000
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## 6015	t_1226b216-d7e6-4d01-b729-61f827821a56	354.39999	2000
## 6016	t_a2314a48-5962-4c7b-b9c4-98f6cc8dac35	296.50000	2000
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## 6018	t_3e7fb7b7-4825-4294-89cf-c4d5ff3c6a04	129.69333	2000
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## 6021	t_9157f489-ea6c-4769-84da-164264f3f532	374.79999	2000
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## 6024	t_4319e056-69ee-45e7-86ba-18bcd4e4e594	273.84000	2000
## 6025	t_5aa6d3d8-dc15-4851-bced-41c9769debc5	221.00000	2000
## 6026	t_fc176d33-9d31-46d5-b33d-91bbfc775d3b	175.09332	2000
## 6027	t_20f97fe0-1fef-4b54-a82e-e0edb68554ba	234.46667	2000
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## 6029	t_34a10e0f-4058-4212-a20c-7451f89ad47f	276.06668	2000
## 6030	t_9b3a9234-7600-4477-9f06-53bc2600ee11	265.44000	2000
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## 6045	t_d689324e-8eed-4742-b815-2aae73715201	418.50668	2000
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## 6047	t_d9638092-2b7c-43d8-b048-0a4774a80f6d	288.20001	2000
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## 6049	t_cc41dfdd-1b44-433e-bb6a-add59325ca0b	428.14667	2000
## 6050	t_82eb2a16-0554-4931-9be2-2438f4d203e9	232.58667	2001
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## 6052	t_0edbd5-c314-410b-9749-66d8d9ba122e	201.29959	2001
## 6053	t_52177b4e-79ed-4172-bded-65a5cfac6315	272.29334	2001
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## 6056	t_ad01283a-4948-433c-8b91-499f25d2862c	293.13333	2001
## 6057	t_d786fd30-b083-4e9d-9b24-e3b86be967c3	201.16000	2001
## 6058	t_96772389-66d7-4d81-acdc-7b0321ab5cc2	193.57333	2001
## 6059	t_37bfa90b-a056-42ef-80da-bfd3087435e0	270.20001	2001
## 6060	t_4672ebc8-4156-45a8-8439-8af138bb15e5	244.03999	2001
## 6061	t_d465305e-737f-4fcd-b1bb-d79fcbb639b1	219.22667	2001
## 6062	t_ead2b7e8-5c15-4bea-a395-d8d58bf05982	253.81332	2001
## 6063	t_da4e09f4-8e19-4954-a48a-ef9e42e4e0ea	236.77333	2001
## 6064	t_57294c77-9bad-47b3-af68-b3afccddad51	367.02667	2001
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## 6066	t_5eddb1f0-8798-42b9-8dee-5532f76b05e3	240.39999	2001
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## 6081	t_337bb771-ca12-4630-a81d-6063a02af89b	277.82666	2001
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## 6139	t_c05ea314-d091-4697-b2ee-5e7a472c364b	180.00000	2003
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## 6141	t_634304c0-4b03-43af-896e-98b8d18043aa	130.29878	2003
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## 6168	t_c5b50fa4-5721-4df0-94b5-07ce9bdaa4c6	270.50668	2003
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## 6170	t_2353d160-d544-4277-b424-f23201b956af	279.96667	2003
## 6171	t_d4877235-f261-4152-9717-afa5f1162f05	134.37334	2003
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## 6178	t_dbd792dd-7982-47ad-abab-d8a5ae482707	177.02667	2003
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## 6181	t_e4aa2549-023e-4dbd-a821-39194917498a	211.13333	2003
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## 6185	t_64d5078c-6232-47ad-95f6-f3028646b578	196.80000	2003
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## 6187	t_b69e1d36-82e7-40d1-84ee-a6c02b570449	221.38667	2003
## 6188	t_dfba2966-d4f3-4fe3-9f4e-9f4dcdafde3c	243.03999	2003
## 6189	t_a09454d3-7357-4182-9f43-a50954fb3510	53.54667	2003
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## 6192	t_0e164871-d9c3-4c39-9f9f-6a0613742319	222.58667	2004
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## 6225	t_de479754-ba11-441f-8e11-345bf5d92d20	213.49333	2004
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## 6264	t_e72052de-5546-4630-8567-100328689e8e	438.90668	2005
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## 6376	t_4a8f3c20-a03b-4ddc-b2f7-d3638be1dedc	266.16000	2006
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## 6379	t_4b59c663-5c75-48f0-8a7b-6a5e7c0389c9	314.02667	2006
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## 6383	t_4afeb6e4-acde-4429-ad9a-1b7ecfe1ba4e	241.84000	2006
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## 6782	t_7e53c8c4-6e8c-43bf-b289-5fc2f30ffb61	203.62666	2010
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## 6784	t_e27fe1f9-5171-4011-bd9c-4e411884ebab	251.09332	2010
## 6785	t_45dcc213-49ba-4d77-b38e-657ae1884264	156.88000	2010
## 6786	t_5e4cf9ee-5c7e-4435-9267-c21f23c0727d	220.73470	2010
## 6787	t_0b5f18ca-82db-4320-9982-6b1c7d733333	274.00000	2010
## 6788	t_f06cf151-c9f7-4d04-8664-b89dc9c2b280	162.12000	2010
## 6789	t_6b1baa84-4ab2-4f9e-8fa1-29c026eca62c	202.62666	2010
## 6790	t_2ce4080d-c7ff-4ec9-be6c-13a80d5f0d02	185.41333	2010
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## 6795	t_cbb66b7a-1f3e-4270-a2ae-bfccac32bac8	216.92000	2010
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## 6798	t_7067ad63-1ac7-4449-87be-cdec400112ce	166.80000	2010
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## 6803	t_af7b5268-527a-49c0-8a6a-f5015db6b5b9	252.02667	2010
## 6804	t_890e7e6f-1f40-4dab-8600-256416e7dc50	145.89333	2010
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## 6809	t_0548886d-ac13-4129-9362-1e5f39b39bc4	192.49333	2010
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## 6817	t_9d5699a3-7022-4046-ba21-3d9d2d373c98	289.51999	2010
## 6818	t_057d4257-3914-4582-9670-16f55cde9e63	247.71918	2011
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## 6820	t_2229c260-8054-440b-9741-af194e97ce5a	252.47926	2011
## 6821	t_f8d376df-9155-492c-bd74-d1fe07a7deba	203.09332	2011
## 6822	t_36175163-b7e7-4354-b986-924206db8548	315.60001	2011
## 6823	t_1fb0d4f9-a93e-4c2e-992c-791ae46f8f30	199.26666	2011
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## 6838	t_5b3c4f1c-9911-4afb-9843-94bc262e68a2	148.62666	2011
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## 6841	t_2ab891e9-168e-429c-867d-32d496dcb6d2	185.73334	2011
## 6842	t_1b53545f-2303-4cee-b39a-711f64b83185	162.21333	2011
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## 6845	t_7a7231d2-8432-485e-9214-2dc0048ed014	224.21333	2011
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## 6849	t_7b457d17-62bd-40ab-a5ad-43de577b957e	220.08000	2011
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## 6881	t_a68db141-db52-4375-9888-0df64965b0a8	198.10667	2011
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## 6883	t_e44e4f08-86ed-4fbb-a8b6-5283f0c4cf27	224.69333	2011
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## 6985	t_3e11da06-c323-4454-8741-4f62a9d48cdf	170.86127	2012
## 6986	t_451c99f4-d120-48de-b037-497c96edc916	126.58667	2012
## 6987	t_870cbf2e-9fc5-46a2-8ee6-890acb09d2e5	217.57333	2012
## 6988	t_59cb2048-0bfc-4712-8f73-ebe962998b91	109.35311	2012
## 6989	t_e70872b5-4e87-46a2-a1c4-77e1950fe4bc	136.02667	2012
## 6990	t_e68e4270-9561-4674-a044-4440a382fdd0	203.93333	2012
## 6991	t_6b4c3c61-459b-4d5c-8019-220f57959fe4	173.68739	2012
## 6992	t_d7bef32a-3e6e-4ff7-8bc9-157aa27f1a4b	189.73833	2012
## 6993	t_1980519d-cc09-4544-957f-30a80ec84010	187.98666	2012
## 6994	t_8e8b1487-f9cf-4d1c-a05e-ee46c4206cc3	189.49333	2012
## 6995	t_1d1445e5-acff-407d-ae3f-0649645a4b66	247.73074	2012
## 6996	t_8f7c27ae-f7eb-46e1-8977-24448beaf37c	443.41333	2012
## 6997	t_f5f6003a-b22a-46a3-93f2-ff9efb263c39	273.33575	2012
## 6998	t_36272457-fbe8-4b3d-bb26-0a126b24293d	636.21332	2012
## 6999	t_1b7310bb-2c08-407b-b456-dc2c85a3267d	223.45143	2012
## 7000	t_bfc01467-d35d-4bb9-9206-b9dfe7c920c7	253.09332	2012
## 7001	t_530dc732-dd87-4821-a4ce-802487010fd1	228.02667	2012
## 7002	t_78aeb167-91b6-4232-b43b-b0ca8208c021	240.36000	2012
## 7003	t_ff9566ad-e4dc-49c4-a20f-a2a40fde2b7a	227.57333	2012
## 7004	t_c103050a-6033-4823-9d5d-352e31154183	188.09332	2012
## 7005	t_f24a372d-1aff-4eea-afdb-1d906749d3cf	205.44000	2012
## 7006	t_61c8f086-9e98-475a-93d9-32678dec246c	197.80000	2012
## 7007	t_e31c6d55-474f-4754-b8cc-dd34dce968ca	350.22668	2012
## 7008	t_f8b28397-ed4b-4d4b-bfac-64ff21c6262b	31.65333	2012
## 7009	t_62189344-23b8-4543-abab-fdcaf020c5f1	202.78499	2012
## 7010	t_6280ae4c-0f61-414e-b49b-ae41de4bcdff	242.12000	2012
## 7011	t_edecd3b8-5fe9-4a93-9da3-a25569798077	124.83918	2012
## 7012	t_12188c0e-cd12-41da-a051-d3bf69ab5dd7	161.92609	2012

## 7013	t_70d2536f-fac1-4d28-b4f0-1ef65c111a60	205.72000	2012
## 7014	t_36cfe329-c692-4845-bf3b-130defe4f059	194.37714	2012
## 7015	t_68e05c65-a130-4e3c-8f48-c1b86324c0c5	206.82668	2012
## 7016	t_ef0106eb-f14c-4a78-baca-c15070d3d48b	351.51999	2012
## 7017	t_1ae45160-5e03-4956-a237-3f13b3924a5e	207.08000	2012
## 7018	t_d14670af-2804-4489-98ab-899208d808b1	246.51923	2012
## 7019	t_873e5c27-c4f8-47a6-8b0c-c719cd728719	97.17333	2012
## 7020	t_cbc97438-433d-4bd5-a655-6f710499a924	212.54668	2012
## 7021	t_93f24c04-6f8c-4d90-87ff-e3a2c969409d	209.65334	2012
## 7022	t_d1545dae-6c9e-43ee-8d02-0e08b0b71d98	278.79999	2012
## 7023	t_b255cd00-7b47-45a9-9596-5c15ebb551db	247.98666	2012
## 7024	t_bafb9c4e-d2fe-4002-9b8a-d7d3fd78c984	237.01334	2012
## 7025	t_465f486c-65ce-4744-b69c-3a21ed4dcd74	203.46667	2012
## 7026	t_2c17c5db-59cf-4583-a92c-f0c0fa761576	289.00403	2012
## 7027	t_e01d63fe-bb15-4376-af03-7bc22c26fdac	177.95959	2012
## 7028	t_6da66eb2-300d-43ca-9cdb-51d61c36ebfb	176.59460	2012
## 7029	t_ced32f80-df14-4f4e-9abc-53f45b70213d	306.60001	2012
## 7030	t_ce223bb3-8dbe-4995-b0da-7656fee44d0d	224.93333	2012
## 7031	t_8350061e-0baa-41d3-a24f-c9e0bd459f4b	227.82668	2012
## 7032	t_f81a1daa-3a9b-41c3-9218-e29a04ef1991	378.98553	2012
## 7033	t_0f9ee5b7-cc89-4ce3-ae23-458a59cf6da0	213.28000	2012
## 7034	t_2672289b-517c-4102-9018-5c55a14ed8e1	144.11369	2012
## 7035	t_49eda005-e7eb-4565-a21b-0006521533fe	385.45065	2012
## 7036	t_5fba1b42-eac1-4f27-bcfe-3675a4f4fd83	203.52000	2012
## 7037	t_df4a6a5a-db35-4168-84a5-8177c617af9f	205.36000	2012
## 7038	t_ef2f5d2e-4ee3-41f8-8601-d74e26c98ee0	113.08000	2012
## 7039	t_2eef890c-bb02-4d1a-ae7e-1180a75652a6	250.04100	2012
## 7040	t_9615f6c2-edf6-444e-8b1a-1f79d793c508	199.32001	2012
## 7041	t_4b19ecd0-1b61-488d-ab65-9be85b051c92	246.56000	2012
## 7042	t_82f68178-3650-4db0-892f-3914a014da52	341.38666	2012
## 7043	t_84a324e3-4e71-4683-9fd8-3074dc0bda59	201.34666	2012
## 7044	t_9b1ae424-1038-41ae-8c1e-25b0b58114b2	259.67999	2012
## 7045	t_5f2ace51-8cd0-4833-a50a-5780ce823231	220.03746	2012
## 7046	t_9fd34a85-4a49-49c1-8846-79e0efff9b7d	209.80122	2012
## 7047	t_601abb77-cdad-44da-a09a-d39bde4ecd77	219.77333	2012
## 7048	t_8c84995b-7003-40f8-a6c6-f9876dcf7d91	226.28000	2012
## 7049	t_6b5ec525-7ea9-4962-958d-d67b842e52ad	226.00000	2012
## 7050	t_b9c58f26-0fb2-44fc-bcac-a26167975865	296.82666	2012
## 7051	t_3555189d-bdbd-4201-a2c1-b08dce006f8e	648.51862	2012
## 7052	t_046bb82e-5e27-4ca1-beee-07ac1678ab5c	331.01334	2012
## 7053	t_8b1be499-ddbb-487b-9bd4-3eded4c9e59e	171.66667	2012
## 7054	t_2e4f6b96-438d-455d-a431-c1c38c308bc2	200.56000	2012
## 7055	t_d63103b3-de4c-4de7-95b1-ba8ec32597b4	178.70473	2012
## 7056	t_9052bba0-0ff3-4846-806b-19c8e6dcc43f	271.65332	2012
## 7057	t_da59bf91-a0cc-4314-b6e2-f47e614de68c	259.43936	2012
## 7058	t_b34d2376-8360-416f-94bd-5a937657031e	220.54668	2012
## 7059	t_182a0fcb-0bd2-4728-81e7-da6139e47e15	211.78667	2012
## 7060	t_120d5609-bfec-456a-8978-141448e86f90	220.06667	2012
## 7061	t_195c0296-2c05-40c2-bb4a-3301f0e065b4	207.09088	2012
## 7062	t_1216ae94-1e89-4356-82d6-cb0ed1a8a178	224.22667	2012
## 7063	t_615e9d8a-7a88-4cc8-9507-2e170a23067a	244.97333	2012
## 7064	t_564daf05-8f4d-4c61-b8d6-cc726e0d8512	222.86667	2012
## 7065	t_8b27fa20-fa66-4cb9-8e14-1849163dded8	58.77333	2012
## 7066	t_5b9fc923-e195-4437-8637-a03b16b6cec4	214.49333	2012

## 7067	t_818aa83e-bb29-4af7-8ff2-1c0ca8c5549b	466.35391	2012
## 7068	t_b483174a-039f-4b89-8c81-03378fc9e75e	279.14667	2012
## 7069	t_559eadd2-1ed2-4f73-83b8-d186bca7cfcf	284.81305	2012
## 7070	t_6cfd360a-5672-4fdd-8e1c-fc40b7b62e80	307.39999	2012
## 7071	t_54e61e38-48d9-45a5-ae5c-c92ae1dec523	191.53333	2012
## 7072	t_1685f923-345b-4314-bd81-7848f8491e4a	204.18668	2012
## 7073	t_eabb1aed-53c6-4cac-9f68-4eb289965ca4	225.88081	2012
## 7074	t_bee965b1-2912-481e-84ec-7193c56f7eef	215.12000	2012
## 7075	t_eb75a5b0-2428-4652-b864-c8075bcefc2f	250.10667	2012
## 7076	t_c0fd4492-4c45-46d4-8d5c-3225b64512db	155.85333	2012
## 7077	t_e71eb083-47b3-45fb-8ec9-ac0da32f5475	205.39999	2012
## 7078	t_29dad03c-1200-44aa-acd8-9e9a1aee2835	76.28000	2012
## 7079	t_7853f86c-edad-4d0e-99ea-ac666dccace0	355.23911	2012
## 7080	t_1074c045-70a8-4ec0-b2b4-eb86a8c09ebf	92.14667	2012
## 7081	t_f77e20b5-61fa-4606-8ffa-0e2088315177	220.82668	2012
## 7082	t_b870e8d4-44fa-47c2-88a3-2a7f50b08576	207.89333	2012
## 7083	t_644bf0c6-b0f1-4d1a-b739-e06c8cd65c70	181.88364	2012
## 7084	t_44782220-0a83-47de-af3a-5ff7186e1ab5	169.06667	2012
## 7085	t_b0b50d28-19b5-4490-af40-33c2380d89bb	385.98532	2012
## 7086	t_def2a5b7-e31a-4d08-829c-486c7e48fca0	274.05060	2012
## 7087	t_bb741807-2cf6-4e37-a505-b073c0a717c5	314.12000	2012
## 7088	t_34d5ebc2-e8b0-4e5e-a0e3-a207838466a7	212.65334	2012
## 7089	t_a54ff7ce-f688-4307-ac5d-4cbddb877b87	231.21152	2012
## 7090	t_778c730d-4dfc-4189-9912-27538b296b9b	249.01442	2012
## 7091	t_0c0d5f36-ba89-460d-a15d-35674dd6f370	177.09332	2012
## 7092	t_f02b3054-eba8-47b8-b304-e36637956b79	255.63152	2012
## 7093	t_52233d9e-28d1-474c-95b1-e8f13b50d653	180.81332	2012
## 7094	t_57083d15-fa14-42d6-975d-a494be03405a	135.90668	2012
## 7095	t_d3e6262a-43b9-4390-844c-f1b86189b69e	254.97333	2012
## 7096	t_a7be7254-7125-4009-a27b-753ae1908fde	202.02667	2012
## 7097	t_ccb27adb-ec49-4ba8-b1a9-abc209abbbbc6	237.01334	2012
## 7098	t_ac2bb435-39de-475d-b4de-a04b7b35e17c	213.62666	2012
## 7099	t_4f7e9dfd-3532-4d10-92c8-86534f8f53b1	250.46667	2012
## 7100	t_9000ca9d-252d-43db-9b5f-c510fb017e2f	179.14777	2012
## 7101	t_7bc1cbfa-7b22-4e2d-8bc9-42b062893987	193.13754	2012
## 7102	t_fd9d89f1-981e-463b-93ca-269fc3cbfd4f	256.36362	2012
## 7103	t_b0b42c68-9ee5-4039-a456-ad1e611bca06	276.38666	2012
## 7104	t_16911ad0-7433-483d-9b7d-00a15cce6ed4	285.33334	2012
## 7105	t_4e329c11-4ca5-49d1-8d53-f71252f409ad	161.95918	2012
## 7106	t_8e09af6a-1f52-4381-9b09-89b92b241d21	204.21333	2012
## 7107	t_04a6292b-6f92-4404-9096-b3c137973bd5	279.82504	2012
## 7108	t_3b046520-4cd8-4388-b6ba-04e3ea78d4b8	217.52000	2012
## 7109	t_8c1bb5cc-b6ca-4344-a7f8-f2d90b287ba8	275.51999	2012
## 7110	t_4a840fa2-d2f1-4ee4-8b5a-e12dc510951c	200.12988	2012
## 7111	t_14115fbc-19cd-4343-9b6e-12863538d6cc	175.42667	2012
## 7112	t_adb7f390-e0fc-4699-8df3-6983ee72cb17	59.16281	2012
## 7113	t_e7062f35-4d17-4ea4-a337-3ec35cf4c1a4	248.42667	2012
## 7114	t_85b18330-bcb2-4166-bf41-d008890889bd	341.26666	2012
## 7115	t_90e1dc6c-98ef-41d8-b67f-d27c7704eea7	229.84000	2012
## 7116	t_afb9b4cf-a275-4f20-9afe-301d06a769aa	352.38049	2012
## 7117	t_98391b00-aa0c-48f0-854a-9a447a10256f	162.76141	2012
## 7118	t_38507b46-1c7a-4b65-9d77-8b3f21cf153c	208.86667	2012
## 7119	t_bf64ca7a-ff79-4251-8b22-c87d82326f51	216.97333	2012
## 7120	t_e479ba13-8049-4ef6-a73a-b24cb953dabc	249.56000	2012

##	7121	t_114b71ac-588f-4441-b601-9726554a66d9	248.09332	2012		
##	7122	t_2a8f7c58-d2d2-4e17-8941-ab4dd42153b3	238.75999	2012		
##	7123	t_4f677794-2b79-4146-8ebb-84d8789ff452	150.06667	2012		
##	7124	t_a91736e4-fe6b-44b9-b26d-c5c488547c1f	277.21332	2012		
##	7125	t_9200b76a-f7ee-4acf-b4c5-18f4de842486	168.10667	2012		
##	7126	t_9296b0c6-8f09-473b-94c1-5e4a954c9420	570.10284	2012		
##	7127	t_c7be5b9a-0363-497f-b48d-fc26b0a6bdee	206.00000	2012		
##	7128	t_6a6be8e1-34e1-4bdd-8114-7674fe11af1c	287.44000	2012		
##	7129	t_8b14cce1-198a-4212-a0fd-dc9941b2b9eb	201.02667	2012		
##	7130	t_c9721af1-4fc2-400a-942c-1278bcafd417	215.24059	2012		
##	7131	t_e9242150-90ce-4e67-bed0-e4b1436c7be0	276.72000	2012		
##	7132	t_6fb82390-d1cf-49db-9676-46e528b470d1	307.00000	2012		
##	7133	t_1d9a8461-357b-4150-acd4-d91872ce6ea0	228.50667	2012		
##	7134	t_f30830e4-2e08-4853-a4be-73a129e5ae61	276.40164	2012		
##	7135	t_f2802d8b-b58b-4af3-a027-88b70f6dce3c	361.16000	2012		
##	7136	t_6446ee35-74a0-4782-9a99-e22823552438	294.43002	2012		
##	7137	t_b6c782aa-3ade-4814-b0cc-bcc7bb6a89c8	245.74658	2012		
##	7138	t_5ce6c3c8-2714-44e5-b44c-641800b4f23e	40.04000	2012		
##	7139	t_aa1ba02c-d17b-44f5-b0b9-0d91d4b426b7	564.30426	2012		
##	7140	t_238ef90f-a7ee-49e5-ba19-4bce4c26f8ea	349.14667	2012		
##	7141	t_dba8cd1b-c523-455e-aac9-f7ec354e8e11	139.03769	2012		
##	7142	t_04712a96-f9ba-4b17-afdb-118bc22d3f3e	257.79999	2012		
##		us_popularity_estimate	acousticness	beat_strength	bounciness	danceability
##	1	99.97541	0.458040178	0.51949650	0.50494874	0.39976689
##	2	99.96943	0.916271806	0.41922265	0.54553020	0.49123529
##	3	99.60255	0.812883794	0.42588973	0.50827986	0.49162459
##	4	99.66502	0.396854281	0.40093413	0.35999015	0.55222732
##	5	99.99176	0.728831232	0.37132835	0.33511519	0.48304394
##	6	99.98387	0.185907528	0.54937315	0.57941788	0.74373961
##	7	99.95870	0.518601000	0.59238756	0.64025843	0.74062091
##	8	99.45416	0.786521256	0.47221249	0.44849765	0.42681927
##	9	99.98347	0.155316040	0.52587336	0.56648600	0.52328682
##	10	97.43699	0.941446245	0.23282817	0.20913300	0.24210204
##	11	99.65455	0.811748087	0.59984982	0.64672697	0.55298656
##	12	90.02402	0.787910283	0.46379226	0.53611183	0.45845607
##	13	99.38060	0.605930626	0.57918936	0.65869415	0.55759466
##	14	99.77389	0.825191975	0.57192051	0.63342929	0.63303435
##	15	99.99279	0.021451598	0.51240486	0.49830779	0.59440958
##	16	98.90094	0.791308105	0.57980555	0.55749553	0.57943463
##	17	92.33268	0.588242769	0.50073272	0.56118637	0.64840978
##	18	99.99046	0.733266115	0.37059948	0.41670439	0.35681927
##	19	99.96720	0.806404591	0.55465466	0.64440638	0.74911445
##	20	99.98507	0.786839008	0.41343465	0.44902080	0.51638943
##	21	99.97839	0.617215812	0.36726922	0.36421821	0.48154247
##	22	99.83953	0.670165181	0.38209248	0.32346714	0.49475846
##	23	99.97841	0.438307285	0.29632103	0.28541118	0.48989612
##	24	99.61866	0.810205936	0.59310085	0.63214034	0.65428925
##	25	99.98008	0.040922686	0.45406535	0.45757124	0.50883734
##	26	99.78144	0.727541268	0.53350854	0.56801415	0.61166882
##	27	97.70938	0.938554108	0.35478675	0.31586558	0.38716075
##	28	99.96514	0.935009837	0.46497008	0.52783531	0.51686680
##	29	99.88108	0.908987224	0.57660145	0.73767364	0.66899598
##	30	99.95613	0.647143126	0.51601917	0.55548143	0.70102370
##	31	99.29752	0.488616496	0.49494135	0.47977114	0.47854650

## 32	99.84547	0.711518705	0.33659190	0.28929785	0.28409240
## 33	99.93893	0.735744536	0.55722243	0.57425678	0.53200185
## 34	99.93033	0.455342591	0.19793524	0.19808334	0.27022824
## 35	99.97933	0.386225075	0.41266006	0.44808537	0.51976413
## 36	92.83986	0.984415174	0.33429319	0.41972768	0.46621603
## 37	99.99428	0.164411813	0.67909843	0.72350621	0.80461234
## 38	98.06574	0.799488783	0.27954280	0.27688038	0.40810877
## 39	99.97163	0.744671404	0.50394613	0.56112039	0.55203581
## 40	99.98793	0.782117903	0.41907761	0.42510471	0.58177960
## 41	99.96701	0.003794468	0.45498779	0.38891363	0.40504980
## 42	99.97537	0.283070445	0.43011174	0.48330584	0.48297188
## 43	99.95627	0.000286193	0.37756628	0.36558124	0.51378488
## 44	99.96132	0.789046228	0.53750002	0.59488708	0.68884027
## 45	99.98522	0.137364224	0.47174218	0.45673233	0.59046298
## 46	97.84579	0.916180789	0.42126104	0.51407832	0.48392823
## 47	99.99555	0.906622350	0.50252295	0.46014360	0.54695803
## 48	99.98900	0.356691360	0.77430457	0.76363951	0.75537324
## 49	99.93508	0.437236011	0.41998896	0.41421828	0.63217360
## 50	99.99535	0.007170246	0.41271886	0.34740719	0.52440089
## 51	99.98833	0.217828766	0.47426981	0.43352592	0.55224645
## 52	99.98540	0.445933402	0.62645787	0.70259887	0.60801810
## 53	98.18081	0.613458157	0.47034198	0.54787242	0.59967160
## 54	99.81979	0.422948897	0.51500154	0.53187817	0.66635484
## 55	99.20907	0.012943540	0.49889049	0.49237081	0.62774533
## 56	99.99010	0.013173641	0.44474474	0.40889874	0.61294931
## 57	99.96776	0.396268368	0.26411271	0.21672523	0.33922553
## 58	99.98620	0.578808784	0.39153507	0.42051452	0.51806968
## 59	99.89451	0.219720617	0.48238647	0.45324725	0.62866086
## 60	99.98730	0.122542657	0.51070094	0.50050718	0.65087044
## 61	99.97710	0.001992409	0.40435979	0.38600525	0.40614125
## 62	99.94418	0.616194129	0.53173196	0.62380445	0.67395818
## 63	99.99850	0.624902189	0.46305037	0.42977121	0.57933652
## 64	99.91935	0.006824149	0.46065757	0.45198810	0.59004331
## 65	99.99018	0.548592091	0.62868053	0.66729081	0.76331008
## 66	93.62956	0.080482706	0.63984978	0.70689475	0.62355387
## 67	99.83001	0.786882281	0.25545832	0.23040754	0.30360734
## 68	99.94919	0.514980137	0.48202330	0.47660032	0.47422388
## 69	99.28352	0.930372655	0.24664341	0.21766275	0.32599547
## 70	98.98565	0.032368023	0.28104419	0.34139150	0.31139001
## 71	98.84653	0.403738946	0.30147251	0.28445190	0.39573419
## 72	99.86015	0.187047824	0.59071088	0.61258376	0.70788521
## 73	99.92741	0.432525873	0.52607965	0.47937027	0.55810678
## 74	97.82129	0.237015963	0.49945629	0.46705863	0.60530573
## 75	99.85330	0.256357670	0.17265953	0.16056314	0.16214436
## 76	99.96787	0.419583470	0.30847749	0.37983221	0.52081734
## 77	99.90725	0.025824973	0.25371808	0.22257380	0.29374662
## 78	99.96252	0.382226795	0.49009818	0.48468819	0.46899650
## 79	99.90690	0.130929828	0.40542615	0.42507717	0.59017259
## 80	99.97677	0.630205929	0.41224661	0.48426229	0.40860659
## 81	90.52070	0.929491818	0.70592398	0.73312432	0.71675748
## 82	99.90322	0.921303451	0.51123631	0.48708853	0.54543757
## 83	99.43645	0.678106666	0.36457530	0.35347152	0.31112197
## 84	99.99586	0.313091874	0.52348781	0.57679522	0.65974158
## 85	97.27292	0.832184196	0.53317744	0.44992054	0.56771660

## 86	97.34986	0.085519731	0.38420415	0.33252603	0.49839893
## 87	99.96037	0.714955211	0.24580491	0.27218157	0.27951583
## 88	99.99302	0.706971109	0.47586057	0.43842572	0.52594733
## 89	99.98913	0.213374183	0.51730448	0.53531742	0.65029824
## 90	99.24444	0.876714230	0.47044590	0.49243161	0.54413396
## 91	98.46489	0.358903348	0.59867424	0.65218723	0.71268731
## 92	99.97881	0.306253582	0.47038111	0.40117270	0.47916144
## 93	99.95628	0.767980695	0.61446983	0.58666796	0.57793957
## 94	99.96571	0.280728698	0.46151704	0.45668858	0.57528627
## 95	99.27252	0.105876692	0.49443591	0.43486166	0.54101175
## 96	99.98571	0.447405964	0.72656465	0.76485777	0.78376085
## 97	99.92742	0.329544127	0.64445692	0.56817091	0.57703245
## 98	99.98860	0.118623249	0.76918542	0.79434711	0.80528611
## 99	99.97277	0.763448715	0.69978505	0.70018357	0.78426349
## 100	99.95470	0.248300850	0.30851838	0.28404531	0.48551285
## 101	99.92341	0.223659351	0.53671217	0.58254856	0.62097669
## 102	99.92290	0.594424248	0.60682142	0.55865478	0.59922481
## 103	99.82415	0.022528825	0.50482827	0.49444851	0.60031146
## 104	99.42073	0.942028940	0.57575166	0.58146518	0.45939598
## 105	99.98037	0.325504154	0.36427459	0.32535937	0.41864788
## 106	99.98781	0.198283926	0.33635417	0.35321450	0.39575949
## 107	99.90925	0.963884234	0.36315638	0.40722916	0.54225159
## 108	99.88842	0.172424123	0.67031676	0.80091888	0.50662374
## 109	99.99883	0.201438248	0.53639620	0.51402461	0.63961899
## 110	99.96152	0.226180628	0.48637867	0.46489477	0.54255944
## 111	99.98045	0.452851564	0.44503802	0.45155913	0.50763875
## 112	99.80313	0.322879344	0.40756497	0.37911060	0.47674164
## 113	99.95150	0.673932016	0.41563490	0.41001663	0.53823185
## 114	99.99208	0.074763529	0.28764910	0.26226363	0.29937994
## 115	99.99409	0.582663357	0.63149452	0.74627548	0.85761082
## 116	99.96167	0.345289707	0.31140000	0.36739618	0.33456186
## 117	99.82929	0.867423296	0.29113871	0.29027906	0.46523282
## 118	99.64052	0.543727398	0.68629742	0.78650272	0.61130601
## 119	96.60490	0.827757597	0.64682782	0.69583923	0.70817077
## 120	95.56794	0.312209487	0.33130425	0.35809651	0.46521243
## 121	99.97433	0.385083884	0.67545033	0.69359356	0.67070878
## 122	96.54493	0.066401578	0.58744913	0.58032483	0.74108076
## 123	99.60562	0.001342140	0.43163243	0.39998281	0.56387317
## 124	99.91193	0.313590497	0.47853064	0.48121402	0.63834894
## 125	99.97099	0.159817740	0.60752058	0.67065811	0.64623058
## 126	96.16015	0.051405113	0.58750182	0.54196501	0.66998047
## 127	99.97165	0.253388941	0.38590658	0.35772806	0.46982339
## 128	99.30589	0.817756653	0.57348633	0.62310117	0.56268287
## 129	99.74263	0.892507732	0.48564681	0.49385410	0.54914570
## 130	99.99717	0.630604923	0.41799003	0.46331632	0.44315436
## 131	99.34781	0.009364170	0.37417725	0.31089848	0.39531288
## 132	99.99433	0.354357332	0.54131573	0.57653284	0.48338932
## 133	99.69200	0.124106929	0.35972860	0.35646033	0.60130447
## 134	98.70313	0.250685424	0.48796234	0.44828749	0.58103090
## 135	99.63142	0.000907177	0.48187292	0.46319389	0.48082381
## 136	99.92062	0.028080579	0.43742979	0.40807679	0.56694591
## 137	99.98590	0.215002388	0.57474053	0.53804403	0.64098805
## 138	99.91112	0.104589097	0.46581563	0.43387452	0.61115271
## 139	99.91526	0.202871546	0.43677053	0.46071607	0.48012230

## 140	99.98621	0.158744261	0.48404106	0.51938337	0.57923728
## 141	99.97807	0.504541934	0.56934220	0.59499860	0.54654199
## 142	99.99297	0.904056251	0.40557116	0.43805295	0.36316305
## 143	99.46837	0.794858634	0.71150762	0.60848826	0.65472913
## 144	99.68682	0.089337528	0.45660937	0.44356617	0.61204773
## 145	99.79581	0.594676077	0.31222734	0.36932308	0.33734372
## 146	99.94588	0.495163590	0.36549088	0.43198192	0.50633287
## 147	99.69802	0.287989646	0.31619239	0.31251320	0.28482238
## 148	99.99250	0.781854749	0.62179178	0.64558709	0.61916149
## 149	99.98155	0.429680079	0.45950782	0.47715741	0.55390066
## 150	99.51085	0.485931993	0.65771741	0.65988720	0.72148615
## 151	99.98201	0.896720409	0.36824107	0.31865743	0.43075210
## 152	99.85073	0.359252036	0.57154655	0.50801611	0.56766599
## 153	99.99433	0.618331373	0.36025128	0.38826689	0.33382300
## 154	99.99809	0.381975412	0.39352891	0.35416058	0.41419962
## 155	99.88921	0.004836385	0.56356752	0.55274641	0.68617904
## 156	99.88026	0.562264621	0.46500143	0.43556482	0.39187753
## 157	99.76084	0.570729613	0.43136078	0.39228934	0.36631239
## 158	99.77187	0.739571035	0.42548439	0.53572124	0.52642506
## 159	99.91900	0.171278372	0.59520954	0.56760073	0.56794769
## 160	99.90556	0.911302149	0.73955655	0.77189487	0.81945801
## 161	99.85207	0.302070558	0.38497108	0.43403268	0.59988624
## 162	99.98753	0.583010972	0.47186929	0.43506256	0.54873836
## 163	99.05239	0.038355514	0.60740000	0.55405772	0.59549964
## 164	99.99430	0.051885001	0.24968694	0.24685173	0.30607271
## 165	99.95810	0.159064844	0.65866220	0.63841730	0.71191919
## 166	99.99548	0.156654984	0.64679724	0.63291770	0.65917105
## 167	99.08674	0.183535695	0.28625488	0.28990754	0.30428258
## 168	99.97994	0.762200713	0.34066668	0.31331289	0.40615001
## 169	99.00459	0.007462470	0.28594589	0.28749296	0.26495072
## 170	99.94618	0.480990082	0.37706596	0.42160302	0.52566147
## 171	99.94948	0.002655372	0.22138877	0.19656235	0.20364220
## 172	99.94637	0.852831662	0.55253995	0.55897135	0.51366502
## 173	93.48062	0.129883334	0.64484125	0.60981792	0.59781128
## 174	99.91339	0.592772603	0.43288255	0.41667831	0.41170177
## 175	99.38389	0.288491279	0.36428589	0.33501631	0.38006049
## 176	99.99192	0.683440328	0.47792596	0.51266414	0.57523769
## 177	98.42872	0.043882240	0.66064155	0.66006208	0.67155230
## 178	99.89462	0.873427451	0.46469140	0.56583059	0.65703356
## 179	99.95609	0.580422580	0.44258141	0.46624511	0.44511443
## 180	99.33442	0.257672340	0.62874544	0.63610154	0.65098387
## 181	98.97248	0.731586277	0.35405663	0.33526054	0.42636967
## 182	99.94631	0.506990075	0.47061741	0.45444211	0.58146506
## 183	99.97005	0.338904947	0.58201700	0.60271871	0.71926701
## 184	97.12245	0.908139408	0.34175545	0.31695235	0.41162339
## 185	99.99763	0.076490410	0.23599197	0.19299045	0.25231361
## 186	99.98340	0.014796106	0.48183933	0.43500838	0.51088196
## 187	99.99209	0.050391298	0.44526061	0.41955769	0.57104260
## 188	99.77963	0.009457883	0.36927673	0.35442063	0.37505657
## 189	99.99692	0.238424882	0.54935426	0.57972330	0.66835493
## 190	99.63715	0.351445794	0.51412189	0.47130406	0.57960004
## 191	99.29311	0.522640467	0.40055999	0.40246883	0.58585119
## 192	98.86622	0.662558973	0.74864411	0.80730975	0.90597218
## 193	99.67027	0.011743568	0.41483727	0.34943757	0.46051648

## 194	99.97814	0.196547180	0.28808948	0.26514614	0.27729648
## 195	99.38323	0.003771110	0.40660804	0.34816349	0.42900237
## 196	99.93440	0.173730597	0.39548346	0.34180835	0.55598360
## 197	99.97210	0.316692472	0.40226236	0.36514682	0.33596358
## 198	96.45982	0.945330620	0.64908201	0.69246906	0.74854153
## 199	99.91788	0.597406030	0.39556366	0.46953633	0.37869662
## 200	99.76434	0.541048586	0.44292006	0.41612279	0.54003888
## 201	99.95754	0.143146172	0.42361736	0.52064264	0.59734392
## 202	99.93253	0.716597259	0.52335036	0.48425358	0.55912280
## 203	99.99249	0.260832220	0.54162836	0.46667230	0.44497284
## 204	97.22249	0.204335913	0.71976823	0.72887325	0.82574880
## 205	99.84286	0.067191310	0.63979805	0.62627774	0.74741989
## 206	99.90930	0.612601161	0.29350448	0.33315146	0.32076550
## 207	99.78852	0.507981777	0.58458137	0.56565237	0.69961017
## 208	99.82530	0.493581325	0.47341698	0.46550792	0.51939070
## 209	99.91063	0.584450543	0.43532074	0.44273987	0.39013234
## 210	94.18226	0.882701337	0.56203324	0.64671320	0.63109982
## 211	99.97444	0.252057225	0.61679131	0.65263438	0.76408297
## 212	99.78009	0.214120179	0.70409679	0.76166314	0.83709699
## 213	99.99388	0.018844351	0.33814275	0.29277891	0.45113328
## 214	99.98361	0.155364946	0.41052288	0.42080021	0.51217300
## 215	99.97589	0.519931376	0.20726556	0.18119842	0.38234025
## 216	99.87638	0.024676431	0.19528452	0.17534979	0.34998682
## 217	99.96744	0.101763204	0.48266143	0.47317413	0.64388019
## 218	99.57305	0.817159176	0.52403337	0.59917933	0.69057024
## 219	99.72083	0.165795580	0.22027671	0.19365685	0.22921698
## 220	99.92268	0.007057766	0.46471727	0.40928322	0.57146287
## 221	99.95775	0.807544529	0.51548761	0.60290062	0.61635292
## 222	99.83588	0.043301832	0.82550389	0.88435763	0.76444787
## 223	99.90277	0.666747689	0.37618429	0.36766106	0.34267652
## 224	99.72230	0.342562973	0.48380786	0.48783314	0.61631089
## 225	99.99772	0.076753780	0.40484184	0.35103881	0.53443158
## 226	99.89984	0.248054713	0.37723270	0.33221653	0.50369936
## 227	99.94827	0.001774567	0.49438849	0.45548513	0.60659671
## 228	92.48837	0.981878698	0.59474927	0.61183000	0.47403571
## 229	93.28014	0.614521205	0.30473018	0.38510156	0.35266271
## 230	94.55223	0.958942592	0.56924200	0.64510566	0.61582041
## 231	96.50676	0.893714666	0.59578812	0.64441282	0.70981628
## 232	99.90678	0.529348016	0.52409625	0.48999050	0.37336376
## 233	99.94237	0.074441135	0.55321372	0.54880589	0.70172221
## 234	99.62612	0.449730098	0.38735521	0.40693745	0.55309200
## 235	99.39872	0.208916709	0.27779478	0.27016649	0.29980880
## 236	99.96806	0.871930957	0.32525754	0.29484099	0.40713924
## 237	99.27972	0.490861893	0.52904743	0.49265546	0.56902719
## 238	99.27108	0.545341372	0.47077131	0.65170986	0.70322317
## 239	98.47433	0.336073875	0.60705095	0.60796279	0.64293206
## 240	99.97063	0.434161752	0.70039898	0.68261433	0.81461108
## 241	99.94666	0.417787999	0.38865772	0.39280784	0.43083307
## 242	98.12379	0.165036216	0.47937217	0.47892663	0.39935181
## 243	99.98773	0.506374717	0.62863892	0.63228685	0.74373025
## 244	99.98158	0.040489066	0.73647064	0.76392472	0.88889885
## 245	97.22134	0.689998507	0.54719895	0.59090209	0.64810151
## 246	99.57228	0.268943727	0.57650858	0.51815718	0.52984184
## 247	99.93973	0.268733859	0.46962938	0.50716227	0.52936781

## 248	99.90385	0.170543566	0.58889550	0.59169209	0.63687050
## 249	99.92928	0.043459080	0.35145506	0.30384865	0.31808695
## 250	98.45911	0.924994528	0.59706992	0.65367490	0.50982076
## 251	99.98238	0.313455850	0.44285548	0.38794810	0.51154727
## 252	98.92438	0.036186341	0.29347610	0.26951110	0.31718346
## 253	96.30653	0.309407890	0.46376088	0.53751355	0.56098169
## 254	99.77213	0.326377511	0.68333334	0.68249559	0.71682912
## 255	99.90977	0.062949605	0.76907843	0.79813004	0.80948520
## 256	98.56743	0.366012454	0.36184502	0.32190421	0.48307165
## 257	99.63900	0.148241356	0.36258003	0.36120838	0.31608418
## 258	99.99912	0.064355306	0.70121920	0.72325957	0.82836241
## 259	99.84758	0.004042910	0.68850344	0.77805400	0.62024891
## 260	99.95544	0.773979425	0.16053513	0.12256442	0.11579148
## 261	99.93009	0.782594144	0.20312500	0.17187436	0.17436399
## 262	99.86191	0.388596565	0.34309888	0.29143289	0.52342355
## 263	99.97915	0.065989092	0.69447941	0.70173228	0.80570632
## 264	99.90140	0.000898324	0.42984235	0.38237548	0.54963380
## 265	99.62559	0.791632831	0.32446250	0.33552396	0.39187375
## 266	99.39934	0.063313253	0.20035441	0.17026830	0.21653816
## 267	94.80608	0.725526631	0.37470850	0.36968270	0.55681151
## 268	99.93030	0.760091841	0.44345176	0.49733475	0.51995546
## 269	98.37724	0.005321775	0.70122319	0.70926070	0.79310322
## 270	99.98050	0.480666995	0.62838578	0.64769536	0.75100285
## 271	99.83086	0.030197285	0.47754353	0.46583030	0.53989488
## 272	98.72998	0.016651684	0.62374276	0.60314536	0.73520297
## 273	99.89971	0.001274459	0.33343822	0.36567003	0.37542951
## 274	99.26286	0.624938548	0.53469366	0.50102818	0.45134145
## 275	99.79705	0.669273198	0.34394220	0.30441171	0.23606199
## 276	99.79223	0.431672066	0.45916081	0.39857251	0.56269771
## 277	99.92560	0.062101528	0.38354898	0.30749115	0.39428800
## 278	99.98900	0.255944401	0.57616490	0.56930280	0.74318588
## 279	99.91774	0.000833658	0.47078133	0.47601035	0.61325842
## 280	99.90850	0.403608322	0.40953645	0.34121466	0.53855234
## 281	99.98004	0.404984921	0.55877912	0.53569335	0.70936483
## 282	99.88377	0.511709630	0.66552371	0.67234892	0.79424852
## 283	99.59694	0.023664540	0.35838461	0.32995444	0.48174375
## 284	99.98452	0.229217902	0.54731035	0.55328292	0.70469600
## 285	99.88258	0.351271272	0.69176108	0.74854338	0.76354337
## 286	99.70777	0.031000432	0.43285829	0.38750893	0.42593455
## 287	99.99007	0.213347971	0.61646897	0.62796116	0.78306931
## 288	96.42538	0.038448650	0.57493299	0.69137150	0.61755764
## 289	98.35108	0.331545085	0.68909329	0.69889176	0.77753925
## 290	98.82500	0.055035595	0.84427154	0.85756767	0.85974318
## 291	99.97415	0.155566558	0.73508120	0.74126160	0.80898660
## 292	98.95327	0.522287846	0.28793845	0.29796854	0.31346577
## 293	99.99375	0.058868255	0.48621801	0.50390953	0.58639181
## 294	99.96261	0.138834700	0.75646448	0.73617440	0.80295324
## 295	97.03989	0.402823597	0.72280532	0.73100561	0.76557940
## 296	99.51082	0.769365668	0.50671786	0.57715553	0.53856778
## 297	95.38906	0.263731450	0.34858429	0.36804643	0.33101216
## 298	99.43155	0.124953926	0.29873913	0.31503326	0.33071285
## 299	99.73218	0.045887168	0.50760138	0.48491511	0.52502191
## 300	99.97433	0.077774182	0.58691263	0.65160745	0.80998367
## 301	99.90736	0.673667431	0.14595897	0.11487731	0.18061961

## 302	99.98259	0.205138683	0.89345574	0.91854113	0.85938579
## 303	99.94731	0.710340679	0.21074018	0.26035872	0.25102383
## 304	99.96458	0.120081261	0.77433819	0.85303831	0.90130496
## 305	97.46360	0.065839916	0.37510929	0.34444207	0.54350793
## 306	99.26863	0.602385759	0.45442942	0.48372176	0.53114831
## 307	99.93921	0.074865662	0.68466157	0.67750001	0.80505663
## 308	99.79438	0.001436036	0.46702990	0.42942062	0.58436632
## 309	99.92911	0.568073452	0.24516355	0.26686904	0.33049181
## 310	99.99658	0.078112960	0.61717397	0.58010352	0.69358206
## 311	99.96412	0.223690450	0.62784785	0.72766274	0.62809885
## 312	99.98484	0.092808239	0.54648244	0.49152335	0.46552739
## 313	99.97530	0.424979597	0.71023119	0.65434200	0.53158146
## 314	99.98192	0.086613737	0.46217880	0.48519194	0.53943747
## 315	99.50474	0.258183032	0.38279137	0.39450598	0.49220267
## 316	99.99706	0.500922382	0.68496347	0.74903190	0.83448750
## 317	99.63947	0.004014150	0.54028714	0.53954399	0.63360709
## 318	99.97572	0.937453926	0.48729968	0.43383899	0.61670142
## 319	99.95468	0.210792497	0.62738490	0.62770265	0.75806963
## 320	99.98981	0.220984846	0.40180808	0.35985675	0.58822679
## 321	99.93856	0.120666996	0.71367109	0.71222436	0.76559460
## 322	99.93738	0.123843148	0.81289810	0.83550626	0.85024464
## 323	99.99473	0.362964600	0.83610564	0.86321604	0.92250109
## 324	99.96311	0.381372631	0.53725463	0.56874317	0.65279078
## 325	99.76368	0.254850537	0.42289102	0.37271360	0.59298551
## 326	99.78147	0.051052675	0.59563214	0.56074524	0.66337246
## 327	99.92575	0.474762559	0.49454108	0.59439838	0.64164484
## 328	99.96928	0.067498103	0.45770446	0.45880243	0.60909677
## 329	99.98771	0.022266630	0.54820263	0.50068599	0.67324054
## 330	97.89619	0.102181673	0.41512588	0.44887245	0.53571486
## 331	99.77100	0.632424355	0.28504041	0.27295822	0.37551194
## 332	93.67335	0.712782800	0.57852095	0.55457383	0.59937066
## 333	99.98715	0.577755690	0.64712125	0.73681116	0.68388808
## 334	99.93418	0.230072618	0.44290882	0.54802162	0.71116227
## 335	99.16445	0.060843453	0.55820066	0.60031366	0.67375922
## 336	99.81946	0.000522815	0.21681486	0.17968446	0.31096822
## 337	97.73141	0.003445475	0.25241551	0.19988301	0.21921396
## 338	97.13628	0.000135736	0.32843858	0.30328292	0.47711480
## 339	92.59873	0.462200701	0.27786043	0.30756083	0.50077194
## 340	99.95716	0.076089919	0.63964415	0.68747574	0.80779654
## 341	99.99554	0.249009341	0.52623940	0.46708006	0.65332335
## 342	99.99241	0.216052994	0.71732616	0.72113633	0.81491458
## 343	99.95371	0.001783423	0.35985592	0.32918993	0.49321970
## 344	99.92205	0.185325891	0.56771725	0.47658336	0.35212386
## 345	99.63346	0.369750947	0.58008707	0.60556167	0.66689897
## 346	99.98139	0.327350289	0.55073434	0.53391206	0.59067428
## 347	99.64243	0.949464321	0.62600946	0.76924986	0.68775725
## 348	99.99692	0.550694764	0.34101346	0.35253251	0.44562596
## 349	99.89178	0.419443130	0.53327477	0.57028758	0.75239426
## 350	99.99324	0.219144449	0.63299334	0.66629082	0.70127219
## 351	99.70868	0.097245812	0.55209070	0.47803628	0.52011383
## 352	99.68569	0.001643460	0.36652926	0.29311651	0.45118979
## 353	99.94389	0.238159716	0.64923429	0.64161271	0.73866653
## 354	99.99443	0.043283023	0.51134485	0.47948039	0.69148439
## 355	99.81801	0.006438404	0.40032142	0.32198232	0.47898755

## 356	94.17333	0.010290225	0.23652373	0.22937487	0.22054614
## 357	99.55388	0.100257926	0.57855070	0.57978368	0.68765908
## 358	99.67503	0.007237279	0.82305187	0.86704189	0.72669625
## 359	99.74347	0.984977007	0.40302387	0.42193732	0.42109671
## 360	99.83919	0.005648627	0.71004885	0.77861738	0.72686130
## 361	98.78430	0.214495525	0.32626459	0.27552739	0.48475882
## 362	99.19212	0.142087325	0.51623213	0.59399355	0.55316484
## 363	99.98695	0.006142289	0.44446561	0.47086352	0.45947564
## 364	99.83097	0.013513531	0.27101421	0.24686082	0.34258211
## 365	99.68676	0.002028520	0.39607310	0.33054897	0.53444231
## 366	98.31399	0.298051238	0.68747622	0.71863460	0.78653294
## 367	99.82677	0.657894611	0.32863095	0.32800606	0.50739145
## 368	99.70424	0.001941840	0.49491528	0.43945348	0.59728455
## 369	99.94263	0.271837056	0.51393336	0.54903579	0.67104697
## 370	99.99770	0.171074674	0.47959369	0.43481031	0.57235289
## 371	99.97654	0.217689320	0.52930158	0.51094669	0.48415670
## 372	99.71892	0.099334344	0.42613173	0.46809643	0.47785830
## 373	99.90143	0.107355677	0.45928961	0.40717253	0.55364203
## 374	98.85362	0.255290270	0.60247207	0.59579205	0.71670437
## 375	99.91536	0.036371507	0.34236312	0.28369501	0.55830860
## 376	99.98461	0.487113804	0.51945579	0.53956127	0.72588015
## 377	99.53872	0.016598238	0.43198517	0.38645357	0.63738501
## 378	99.94586	0.239077792	0.86187279	0.90733767	0.91296935
## 379	99.95129	0.081394061	0.51959354	0.45810667	0.57805109
## 380	99.99865	0.226934761	0.50824577	0.47740218	0.69182974
## 381	99.99114	0.000725724	0.81423426	0.86349225	0.79270530
## 382	99.97584	0.005360140	0.48683205	0.47032484	0.67942166
## 383	99.80206	0.171066731	0.61227757	0.63535196	0.77692437
## 384	99.80483	0.200987488	0.54620057	0.61599702	0.74978775
## 385	99.98918	0.010279415	0.46818495	0.44707748	0.68270832
## 386	99.85463	0.332834393	0.68474317	0.73562825	0.82330549
## 387	96.12955	0.905707240	0.58277434	0.55557847	0.62761188
## 388	99.96629	0.991329432	0.37496811	0.35311374	0.35381973
## 389	99.93706	0.332646251	0.52632093	0.48174849	0.56392801
## 390	99.83093	0.016778149	0.33366838	0.29239664	0.49820378
## 391	99.83343	0.048093975	0.41764191	0.35521761	0.52855259
## 392	99.78716	0.054927103	0.25551748	0.25054455	0.23375149
## 393	95.81594	0.600673497	0.64106250	0.56393194	0.61169964
## 394	99.99747	0.271719933	0.50961131	0.48472536	0.61997819
## 395	98.73128	0.085211046	0.26027626	0.21905158	0.28693962
## 396	99.97700	0.185083702	0.39464390	0.30920050	0.51014841
## 397	90.78814	0.004066380	0.71096832	0.75631350	0.71997023
## 398	99.02169	0.169107512	0.72556776	0.72945559	0.81385106
## 399	99.90775	0.075271524	0.44217271	0.36825845	0.57209372
## 400	99.54016	0.122377403	0.33031461	0.31377468	0.28118247
## 401	99.93014	0.954634726	0.58932692	0.63649863	0.72115219
## 402	99.95389	0.376643240	0.67975521	0.63931972	0.70840824
## 403	99.99805	0.070407055	0.34779417	0.30846158	0.53654826
## 404	96.43962	0.349969476	0.50083906	0.50240588	0.58814579
## 405	99.87501	0.629926801	0.53896469	0.48959896	0.60845256
## 406	97.92688	0.000300581	0.44178200	0.40101182	0.61230606
## 407	99.97649	0.599206686	0.82694703	0.87528747	0.93659413
## 408	94.85157	0.005702343	0.65806788	0.67758399	0.68926507
## 409	99.96821	0.087971643	0.43825632	0.40209055	0.63523263

## 410	99.98658	0.108591601	0.21463308	0.20812807	0.33259204
## 411	99.56473	0.044458661	0.46845201	0.39723381	0.51544142
## 412	99.22148	0.312353879	0.72115767	0.72581422	0.70240045
## 413	99.97372	0.066994563	0.37444937	0.33803904	0.59016419
## 414	99.91322	0.012201099	0.47795874	0.42041573	0.64633006
## 415	99.92161	0.143929407	0.43822661	0.47079656	0.50558907
## 416	99.90624	0.275032341	0.66743869	0.70309746	0.69942695
## 417	99.24466	0.002387780	0.24646799	0.21534966	0.43760675
## 418	99.97106	0.040420726	0.36886090	0.36709475	0.52082491
## 419	99.78475	0.006220632	0.66403163	0.68140590	0.78858036
## 420	99.24865	0.033039715	0.35727409	0.31867194	0.57760000
## 421	99.92234	0.002803515	0.45663807	0.44273889	0.50145477
## 422	99.97247	0.073840566	0.50241739	0.48852575	0.68586129
## 423	99.98351	0.005821233	0.24174260	0.20068160	0.40308854
## 424	99.87649	0.069859765	0.69770914	0.72561169	0.72062415
## 425	99.97414	0.051822286	0.51093817	0.49977320	0.66481161
## 426	99.97812	0.796838939	0.51978588	0.47250041	0.68475991
## 427	99.61051	0.785466433	0.32146212	0.36147696	0.41913211
## 428	98.26057	0.811301470	0.38683703	0.35078624	0.48294160
## 429	98.49847	0.839341402	0.36331096	0.36892098	0.40168709
## 430	99.97907	0.036671985	0.46160078	0.40449008	0.54049802
## 431	98.77199	0.641110420	0.54551482	0.65449709	0.67681176
## 432	99.95242	0.269362420	0.38170168	0.34047922	0.55921125
## 433	98.10741	0.924385905	0.36873096	0.37099582	0.40316632
## 434	99.89191	0.000028200	0.20300828	0.16547729	0.23382676
## 435	99.98670	0.086363263	0.50865847	0.47169784	0.62893838
## 436	99.77205	0.414857805	0.68660003	0.66693777	0.64990658
## 437	97.79859	0.838768125	0.39643359	0.42855692	0.36311621
## 438	98.26018	0.056329295	0.53872633	0.50372833	0.69694942
## 439	99.93963	0.004719703	0.80615169	0.84015000	0.94129950
## 440	99.30205	0.008837270	0.44623518	0.41063324	0.65434784
## 441	99.98108	0.028024463	0.55585587	0.55656290	0.72293568
## 442	99.93751	0.011361619	0.24412622	0.22424877	0.20791380
## 443	97.95983	0.690546393	0.42499056	0.49753973	0.50428498
## 444	96.46979	0.012119792	0.26368138	0.24171826	0.44478619
## 445	99.19765	0.434030086	0.63741654	0.70341450	0.77071136
## 446	99.98791	0.799848139	0.29152617	0.29830041	0.39459476
## 447	99.74851	0.154052675	0.44707990	0.40162924	0.53795880
## 448	99.48934	0.020199034	0.27082342	0.21859778	0.41380978
## 449	95.40093	0.004274359	0.45098057	0.43128809	0.64574069
## 450	99.79265	0.001022962	0.13578531	0.10995082	0.27633715
## 451	98.95938	0.130134359	0.42075029	0.41689810	0.53987926
## 452	99.64785	0.258868784	0.33577511	0.33871582	0.42803916
## 453	99.27015	0.733526647	0.79832536	0.86636662	0.88057774
## 454	99.99490	0.172523797	0.76935518	0.77775800	0.84779787
## 455	99.95549	0.880800426	0.21985353	0.18527633	0.22669241
## 456	95.37683	0.024200479	0.44360244	0.40469858	0.41091079
## 457	98.73970	0.078264147	0.48758504	0.40439317	0.46018988
## 458	99.98668	0.370701432	0.37853807	0.32233006	0.48039815
## 459	99.98340	0.135781109	0.52155620	0.52885616	0.50414860
## 460	99.72161	0.961031377	0.39068875	0.44678917	0.53634280
## 461	99.51782	0.304490328	0.61211163	0.58818877	0.72592670
## 462	99.96031	0.522072792	0.37138745	0.35238895	0.54150599
## 463	99.57529	0.222057089	0.46787027	0.42399102	0.65686417

## 464	99.90660	0.000157352	0.39040729	0.34366775	0.55917954
## 465	99.56771	0.515283525	0.59482676	0.71145439	0.70822454
## 466	96.55685	0.007518722	0.52083051	0.48677418	0.49052989
## 467	99.74788	0.961484790	0.40257499	0.53709495	0.50183427
## 468	99.05553	0.278321862	0.35057879	0.38598251	0.48744589
## 469	99.34595	0.198199421	0.44984928	0.43864465	0.57336307
## 470	99.99574	0.201516435	0.74182499	0.69411689	0.75914776
## 471	99.32525	0.536116302	0.54831654	0.57467854	0.71285284
## 472	95.80589	0.786665022	0.58867437	0.63507927	0.70430845
## 473	99.98384	0.245177671	0.30514529	0.31477422	0.39224684
## 474	99.94898	0.030454628	0.55868030	0.59024608	0.67092311
## 475	99.76346	0.333170801	0.54633218	0.58922011	0.69228935
## 476	99.90903	0.433975339	0.32914916	0.29457512	0.43212330
## 477	99.66886	0.223556742	0.45668712	0.45739114	0.59917742
## 478	99.98928	0.206378385	0.53442907	0.44865161	0.65145010
## 479	99.98362	0.547140002	0.44998199	0.48422405	0.56744993
## 480	99.90101	0.216421813	0.25543770	0.26896048	0.37861857
## 481	99.92715	0.174930662	0.49772808	0.46250752	0.52878273
## 482	99.76336	0.030954821	0.47211558	0.52930456	0.55913341
## 483	99.97518	0.014934536	0.60710657	0.55829847	0.68134916
## 484	99.96369	0.142907634	0.44337121	0.44399604	0.43782294
## 485	97.88961	0.204677045	0.54054534	0.59528786	0.64216477
## 486	99.88926	0.013060108	0.53323281	0.53914911	0.73225695
## 487	99.92224	0.454592019	0.50143087	0.50283676	0.71360087
## 488	99.98355	0.214995116	0.57577681	0.55572426	0.74979681
## 489	99.14770	0.341063619	0.56850159	0.70697397	0.80784011
## 490	99.92757	0.022673007	0.58725840	0.55053544	0.57053465
## 491	99.68237	0.980480850	0.37110555	0.33775556	0.30946577
## 492	99.51514	0.727232218	0.69849402	0.71812111	0.74487972
## 493	99.97935	0.118969902	0.70496505	0.69412452	0.76923865
## 494	98.23158	0.000041000	0.26572344	0.22381666	0.22434528
## 495	99.08510	0.816393852	0.50837499	0.60594750	0.65640003
## 496	99.94637	0.403664410	0.59978473	0.67873251	0.74044055
## 497	99.87107	0.013775850	0.49126628	0.43826324	0.61210191
## 498	98.89038	0.706198215	0.45691422	0.39419657	0.54168975
## 499	92.16854	0.001436993	0.38597727	0.32180956	0.54254979
## 500	99.92698	0.002867791	0.60294372	0.58788705	0.67571753
## 501	99.75718	0.030699113	0.55917609	0.58844536	0.60173988
## 502	99.97497	0.200466394	0.72371674	0.71361166	0.66736442
## 503	96.77236	0.021285726	0.34744009	0.31240746	0.46668515
## 504	99.34446	0.066666417	0.43195474	0.45049101	0.54879850
## 505	99.99079	0.702603161	0.39808893	0.51871657	0.42641455
## 506	99.97967	0.000529613	0.56590909	0.61677277	0.68838960
## 507	99.99111	0.576097131	0.38993400	0.39631322	0.53994769
## 508	92.96841	0.075981475	0.46714565	0.44611025	0.67695785
## 509	99.59986	0.148177668	0.44552711	0.39572236	0.50781703
## 510	99.84115	0.000656471	0.63503832	0.61913586	0.74123323
## 511	99.48156	0.198200971	0.50510669	0.53736949	0.67389816
## 512	99.93364	0.165881276	0.38104445	0.40288845	0.55631620
## 513	99.25557	0.000025400	0.35091031	0.31071642	0.21312095
## 514	99.84185	0.838756144	0.43512690	0.41748795	0.53533721
## 515	99.93586	0.082880408	0.68164819	0.71287227	0.60880876
## 516	99.96603	0.002240591	0.45783973	0.37946150	0.47230208
## 517	99.81834	0.107558601	0.51367617	0.56372118	0.69971204

## 518	99.67615	0.000848962	0.21556497	0.18264316	0.24980175
## 519	99.97300	0.044847481	0.51123786	0.52455276	0.61349767
## 520	99.98342	0.155645236	0.59614903	0.66597968	0.66344726
## 521	99.97055	0.063121758	0.68884850	0.64520872	0.68391424
## 522	99.99812	0.211249769	0.43837786	0.40176064	0.58124143
## 523	99.94254	0.064500503	0.29123184	0.27046439	0.30835482
## 524	99.14710	0.716396451	0.34099618	0.33142486	0.47549298
## 525	99.99015	0.096980080	0.70378101	0.72579426	0.81364036
## 526	93.00679	0.300677419	0.72661144	0.77475500	0.88082159
## 527	99.99311	0.921305060	0.35949624	0.33203852	0.33915111
## 528	96.56593	0.088090815	0.87060028	0.90128458	0.93903583
## 529	99.86049	0.561042845	0.34935608	0.40526903	0.35602674
## 530	99.95369	0.037597012	0.49864304	0.48566523	0.57208043
## 531	99.97991	0.275091320	0.73099273	0.81150281	0.87506044
## 532	99.94888	0.106884718	0.72475415	0.74552000	0.81352764
## 533	98.85199	0.629839957	0.60287327	0.73787492	0.65653694
## 534	99.87756	0.013340677	0.31359091	0.30356103	0.36285508
## 535	98.91844	0.127961427	0.31378525	0.26697215	0.29585254
## 536	99.94870	0.006806874	0.30116317	0.27563176	0.27651775
## 537	99.87706	0.011040143	0.32900280	0.27481708	0.53095883
## 538	98.81312	0.690823376	0.39355174	0.43549690	0.42475149
## 539	99.81643	0.319223464	0.67694175	0.72495371	0.83814228
## 540	99.96861	0.013221635	0.74528992	0.74404591	0.78594392
## 541	99.60450	0.000089400	0.29495305	0.29076728	0.39287657
## 542	93.19114	0.070770502	0.21571907	0.18195681	0.32663620
## 543	99.97432	0.119500868	0.77241540	0.82188696	0.86238784
## 544	99.33081	0.214081287	0.72360933	0.73583311	0.85755908
## 545	99.95113	0.723054767	0.44842604	0.53641319	0.45083168
## 546	99.91766	0.056006737	0.31325552	0.25502694	0.24155632
## 547	99.94979	0.011367978	0.50263220	0.62951064	0.63780564
## 548	99.95721	0.419443399	0.48758072	0.42403075	0.57255721
## 549	99.99024	0.170167670	0.64802748	0.66581935	0.77811336
## 550	99.94165	0.149132565	0.62288421	0.66647923	0.72500497
## 551	99.49649	0.171714589	0.58205700	0.64823270	0.70734405
## 552	99.89656	0.001036378	0.47529501	0.48444012	0.57819271
## 553	99.96937	0.003310425	0.28874490	0.28164554	0.34001884
## 554	99.25796	0.385811329	0.76906532	0.82745302	0.87568671
## 555	99.00993	0.002697617	0.21657632	0.18209243	0.23080421
## 556	99.95169	0.202476248	0.44647330	0.37696010	0.51960361
## 557	99.11434	0.722970188	0.43589783	0.40595409	0.56215656
## 558	99.72192	0.416379988	0.33422726	0.35714814	0.40047747
## 559	98.82297	0.438410461	0.57581979	0.60101867	0.74353820
## 560	99.95273	0.067946054	0.55951005	0.57922810	0.77777630
## 561	99.25932	0.332900643	0.47108638	0.50213897	0.42526266
## 562	99.96684	0.111541294	0.62404883	0.68283945	0.76981002
## 563	99.98449	0.135031909	0.58239937	0.52451247	0.65690547
## 564	99.93067	0.028688643	0.49136993	0.58380330	0.71573973
## 565	99.86815	0.000454307	0.27402013	0.26102570	0.26952094
## 566	99.95028	0.211613104	0.50088620	0.48871610	0.70216906
## 567	99.98822	0.163728029	0.69941443	0.67026502	0.77453989
## 568	99.84727	0.056021132	0.36646369	0.35890463	0.48571500
## 569	99.89784	0.008708464	0.54861766	0.59956747	0.77012634
## 570	94.56450	0.103003681	0.37760714	0.34054497	0.50560832
## 571	99.54961	0.035889242	0.66284436	0.62701440	0.69369292

## 572	98.92565	0.809806943	0.49664462	0.61686701	0.48829690
## 573	95.11758	0.613908589	0.68190044	0.73538637	0.78729749
## 574	99.95474	0.073014334	0.28862119	0.25014371	0.49556208
## 575	99.99500	0.015850004	0.65734261	0.66035360	0.79936349
## 576	99.83990	0.110639736	0.63347220	0.70086294	0.75599670
## 577	99.93542	0.061353177	0.44345245	0.41481751	0.45483148
## 578	99.82182	0.147168905	0.60546958	0.66295272	0.49213636
## 579	99.94543	0.001963856	0.69694185	0.75485104	0.80554807
## 580	99.93890	0.002542894	0.25161403	0.19622380	0.30582050
## 581	99.95305	0.223556072	0.50045788	0.45290267	0.62134481
## 582	93.66496	0.047002878	0.33286560	0.34858275	0.43125921
## 583	99.97467	0.003639557	0.64538479	0.63667166	0.76717162
## 584	99.76695	0.030813741	0.76229358	0.80483377	0.87799346
## 585	99.07598	0.090790898	0.35270953	0.37314966	0.47430223
## 586	99.74667	0.042122647	0.45376244	0.41296887	0.61878937
## 587	99.96672	0.056198061	0.42418790	0.38759646	0.48164409
## 588	99.99532	0.223971292	0.37261268	0.34205615	0.51467949
## 589	99.59258	0.983228505	0.32079482	0.44848862	0.48710838
## 590	99.89756	0.207210734	0.51960427	0.48508111	0.69317943
## 591	99.74860	0.000005440	0.29349524	0.26746282	0.38170394
## 592	99.87227	0.130990058	0.49546233	0.51923615	0.64821172
## 593	99.98385	0.344941169	0.57914841	0.50669122	0.61206472
## 594	97.68077	0.176319733	0.36152679	0.30628389	0.51338220
## 595	99.91151	0.029441794	0.66441441	0.72437614	0.78337669
## 596	95.81283	0.033756502	0.55045080	0.52997953	0.67113548
## 597	99.88493	0.023792343	0.67483455	0.73344630	0.82491553
## 598	99.98882	0.019591805	0.51773143	0.47698298	0.64296991
## 599	99.98261	0.110477209	0.60843003	0.54678834	0.66144234
## 600	99.99012	0.005158888	0.17359652	0.19436638	0.20965563
## 601	99.96394	0.335598290	0.60439581	0.58166385	0.69390541
## 602	99.06096	0.050107796	0.54480970	0.56479120	0.74359912
## 603	99.75141	0.009517981	0.45478803	0.56297517	0.65081042
## 604	99.86490	0.083832271	0.66541189	0.69152331	0.71322906
## 605	99.95574	0.282489181	0.73753363	0.72204214	0.77256739
## 606	99.87524	0.260094792	0.71862400	0.68555069	0.76488024
## 607	98.05246	0.248815224	0.59290654	0.53310347	0.62752360
## 608	99.92712	0.391945243	0.40771473	0.43620431	0.52743375
## 609	97.80389	0.197798610	0.39271888	0.33819500	0.57997346
## 610	99.93912	0.008394308	0.56695312	0.63307226	0.63714021
## 611	93.80899	0.104011007	0.64863127	0.71541476	0.86862034
## 612	99.96896	0.000772136	0.43408725	0.48148745	0.59124994
## 613	99.79331	0.156706616	0.67162502	0.67649841	0.80460542
## 614	99.90868	0.574102283	0.61655676	0.59048217	0.68361127
## 615	99.95766	0.243442684	0.47131643	0.43481696	0.65221667
## 616	99.25634	0.069858544	0.81958813	0.86848152	0.89389342
## 617	99.69628	0.047699798	0.89343035	0.90950364	0.90343630
## 618	98.54010	0.091971986	0.60130399	0.69849515	0.79249919
## 619	99.73818	0.169915497	0.59776974	0.61906570	0.72917634
## 620	99.97697	0.028055534	0.36636093	0.35400271	0.48238981
## 621	99.98559	0.043226160	0.72155356	0.71259731	0.79693747
## 622	99.95518	0.000294986	0.62676752	0.61545604	0.60421693
## 623	99.39957	0.083411880	0.50151849	0.47131684	0.67845672
## 624	99.96264	0.135690793	0.77789903	0.74360079	0.72549933
## 625	99.98658	0.080521725	0.70288116	0.67319357	0.75292146

## 626	95.66864	0.043569990	0.47504812	0.42485273	0.50427556
## 627	99.25426	0.041256439	0.51844776	0.53173643	0.70023578
## 628	99.90015	0.001378045	0.57632047	0.66394633	0.77630764
## 629	99.68997	0.123557791	0.67893851	0.74470186	0.78254962
## 630	99.04190	0.271658331	0.75476247	0.77403200	0.81476551
## 631	99.62669	0.003042409	0.54994059	0.68442380	0.61275262
## 632	99.49857	0.112113379	0.35089976	0.29781654	0.43839917
## 633	99.98598	0.322856456	0.61721444	0.61633420	0.78516173
## 634	99.94876	0.062303148	0.60907459	0.71094132	0.80985713
## 635	99.10232	0.286089540	0.80857962	0.82012540	0.80835271
## 636	97.27698	0.772270799	0.30531028	0.27379224	0.43214050
## 637	99.87873	0.025990097	0.58986813	0.66240120	0.80648935
## 638	99.77983	0.037216794	0.34109345	0.27844739	0.41858837
## 639	96.45162	0.047170557	0.48139164	0.42040914	0.53617311
## 640	99.04789	0.795560062	0.51417857	0.62152648	0.62898332
## 641	99.96533	0.216724813	0.51327544	0.54922670	0.63679099
## 642	99.87456	0.504313827	0.35406995	0.36027578	0.54728490
## 643	99.75014	0.548202872	0.57921499	0.57273585	0.70907056
## 644	99.93717	0.049843766	0.25006494	0.23472056	0.31567845
## 645	99.86327	0.004731303	0.56996411	0.61670858	0.63737297
## 646	98.88301	0.587679565	0.58528513	0.63693452	0.74734652
## 647	98.42825	0.001432812	0.36533424	0.34344125	0.49274844
## 648	99.91640	0.060840692	0.62577850	0.68618226	0.51216120
## 649	99.21030	0.218247205	0.60148096	0.65027934	0.69982624
## 650	91.69643	0.572472215	0.48682943	0.45323959	0.66014171
## 651	99.98148	0.199083164	0.54368907	0.54436368	0.64778048
## 652	98.24239	0.031532735	0.61179119	0.66886002	0.80570066
## 653	99.29509	0.658218205	0.50995892	0.47475505	0.66031784
## 654	98.80872	0.191934362	0.43985411	0.37663850	0.51637811
## 655	99.96831	0.012735960	0.42279086	0.35927254	0.42188072
## 656	96.59824	0.403305054	0.42205572	0.41437632	0.55546319
## 657	98.56074	0.200549945	0.70594537	0.74037862	0.79671949
## 658	99.96883	0.035072699	0.38110063	0.40077358	0.51801121
## 659	99.65300	0.073613845	0.77009970	0.80879122	0.85029882
## 660	94.14501	0.000081400	0.34829321	0.30017409	0.54665315
## 661	97.45318	0.515714526	0.66774011	0.71444422	0.52475756
## 662	99.07003	0.352802575	0.26182011	0.24032941	0.39164919
## 663	99.96305	0.679969192	0.52442044	0.52831954	0.67313182
## 664	99.81925	0.081411988	0.75072324	0.77776021	0.86821783
## 665	99.99169	0.001663021	0.28926131	0.26518929	0.40736890
## 666	99.99431	0.012930355	0.48019674	0.46996707	0.59914380
## 667	99.58689	0.000018700	0.20591320	0.23093912	0.36856374
## 668	98.53373	0.370443434	0.56368667	0.68004918	0.80662942
## 669	99.89342	0.110339664	0.55958468	0.55003917	0.69754654
## 670	99.70069	0.086959101	0.50433630	0.46357003	0.67103320
## 671	99.93028	0.118559562	0.34255892	0.42786115	0.65088362
## 672	99.98437	0.190980867	0.50413621	0.49611402	0.67619759
## 673	99.83427	0.833970785	0.37278670	0.41362849	0.46120354
## 674	99.82495	0.649616897	0.40891501	0.52712446	0.70806837
## 675	99.54304	0.002630330	0.28502160	0.23182827	0.48600605
## 676	99.99282	0.090361319	0.63040245	0.61238509	0.67835659
## 677	99.99335	0.000087400	0.37820670	0.34672290	0.59051108
## 678	99.99651	0.358135730	0.48831186	0.52085364	0.47683331
## 679	98.25518	0.812899768	0.64507288	0.67485714	0.70378298

## 680	99.95818	0.002197671	0.26314452	0.28939644	0.26263800
## 681	99.54191	0.000458001	0.26989186	0.20534554	0.46458325
## 682	99.98160	0.572018087	0.53799802	0.53859806	0.72112274
## 683	99.17627	0.349510193	0.31029421	0.34669888	0.37194350
## 684	96.34616	0.003867717	0.29337877	0.33737481	0.47066677
## 685	99.95470	0.454335898	0.52585494	0.51933378	0.71873188
## 686	99.99858	0.154364228	0.34668294	0.35851014	0.46784690
## 687	99.02463	0.054103564	0.73575974	0.68857765	0.71116972
## 688	99.68255	0.218185917	0.76149833	0.85823077	0.76547480
## 689	99.71498	0.236400619	0.61439115	0.67606700	0.45525834
## 690	98.21600	0.903062105	0.18288583	0.13294165	0.27648440
## 691	99.96329	0.112511471	0.63551915	0.74423248	0.79399347
## 692	90.89462	0.035851009	0.77298832	0.78438127	0.86450058
## 693	98.08739	0.264987499	0.11171198	0.08427677	0.07257912
## 694	97.92435	0.006624857	0.47535443	0.44838899	0.64134562
## 695	99.86590	0.156774372	0.59773171	0.56784117	0.70816415
## 696	99.84862	0.104936890	0.68917072	0.76325178	0.82315224
## 697	98.34232	0.281645477	0.73027623	0.76927590	0.83941287
## 698	99.92834	0.220596522	0.81884599	0.86718631	0.93173456
## 699	99.89016	0.189555690	0.75875139	0.78068489	0.78366709
## 700	99.12982	0.032086167	0.89800000	0.92250574	0.83666730
## 701	99.44192	0.000977066	0.19774474	0.18450029	0.26241717
## 702	99.99624	0.077894486	0.47427022	0.46820796	0.59472138
## 703	99.85629	0.989921510	0.17766583	0.13973877	0.19933085
## 704	99.86596	0.000204101	0.27515653	0.23205802	0.28339192
## 705	99.95941	0.017100623	0.34941199	0.30951592	0.43589735
## 706	99.96995	0.000359966	0.65745860	0.73333269	0.82326883
## 707	99.91910	0.021728130	0.66213447	0.66488898	0.76086068
## 708	99.99236	0.038994659	0.43193904	0.40281424	0.51373440
## 709	99.10409	0.552996159	0.63034874	0.60588568	0.69109285
## 710	99.96457	0.071236759	0.40254253	0.41313249	0.65044719
## 711	99.79872	0.001243562	0.31226760	0.27960381	0.24136585
## 712	97.60862	0.186132073	0.48719928	0.41860875	0.56421572
## 713	99.87689	0.379890859	0.54712045	0.64575183	0.70706719
## 714	99.38690	0.103123389	0.56777853	0.58098966	0.75901091
## 715	99.54100	0.770565569	0.35614124	0.38134801	0.35053012
## 716	99.87567	0.038701668	0.50396705	0.41792178	0.54719633
## 717	98.39641	0.083347909	0.22165352	0.20042673	0.19909820
## 718	99.99674	0.003162694	0.38374007	0.39780295	0.45825824
## 719	99.92052	0.018487383	0.27739462	0.29391527	0.37156677
## 720	99.97481	0.004170035	0.35160845	0.40140280	0.50373882
## 721	99.99847	0.012209865	0.36043170	0.32202476	0.43920073
## 722	99.52554	0.199816793	0.50276858	0.51703012	0.63510072
## 723	99.82614	0.136552572	0.30910033	0.31251705	0.48086533
## 724	99.91231	0.341623813	0.23182479	0.22181021	0.36248976
## 725	99.94177	0.034430329	0.72042346	0.77259821	0.84872931
## 726	99.99103	0.004249613	0.30113593	0.31009459	0.41008183
## 727	99.99088	0.081133172	0.48969445	0.47149566	0.64464772
## 728	99.46654	0.052631851	0.60871875	0.71805412	0.58191150
## 729	99.97364	0.320130825	0.50579119	0.58721071	0.63315201
## 730	99.74492	0.398869008	0.38495165	0.36247706	0.49952212
## 731	99.97558	0.092252128	0.46742043	0.49423972	0.55346745
## 732	99.70802	0.010879708	0.25942582	0.23371220	0.39406916
## 733	99.96026	0.001068039	0.26128778	0.26584709	0.34333992

## 734	99.84785	0.000912716	0.45023143	0.46883178	0.62300545
## 735	99.17581	0.147545114	0.72692972	0.73605096	0.77801126
## 736	99.95909	0.002637184	0.37134463	0.37856367	0.54360431
## 737	97.17326	0.012541261	0.74162358	0.75362307	0.80742121
## 738	99.92512	0.076909356	0.30633625	0.31747991	0.39430347
## 739	98.58139	0.005298366	0.27076432	0.29574329	0.44023415
## 740	99.86307	0.156741604	0.65684974	0.73790515	0.85233295
## 741	99.91174	0.703372836	0.54757452	0.47440773	0.61590826
## 742	99.69125	0.008547880	0.57244432	0.61882651	0.69440454
## 743	99.95020	0.540054917	0.45288417	0.43032801	0.66003686
## 744	99.96361	0.016828749	0.51279098	0.53563029	0.65834790
## 745	99.33179	0.478058279	0.63502842	0.64283574	0.78677845
## 746	99.90063	0.230428353	0.63802087	0.72712398	0.77992636
## 747	99.93395	0.000316735	0.38607663	0.32970643	0.55480730
## 748	97.03777	0.943038046	0.72221273	0.80310541	0.71431959
## 749	92.84469	0.064547092	0.79581141	0.80158150	0.85308474
## 750	99.94287	0.180709943	0.64342564	0.63078225	0.74521124
## 751	99.97063	0.053375855	0.73321784	0.71980649	0.74773306
## 752	99.88291	0.000366655	0.34872952	0.28768331	0.41987294
## 753	99.97966	0.004744011	0.69517911	0.70995486	0.84100831
## 754	99.05439	0.586371243	0.35813230	0.33907479	0.47365674
## 755	99.81199	0.900974274	0.39135247	0.39822683	0.42701504
## 756	99.85844	0.452985644	0.38115266	0.48009777	0.42406541
## 757	99.52553	0.549645245	0.62234741	0.57548386	0.74563491
## 758	99.32858	0.167460755	0.45547649	0.39797741	0.61567593
## 759	99.90590	0.162172034	0.48238114	0.44802597	0.49979263
## 760	99.94318	0.000479061	0.73411387	0.68192142	0.69537497
## 761	96.53163	0.712641418	0.67328978	0.68592924	0.66022724
## 762	99.77680	0.089122824	0.46067575	0.59661251	0.53969359
## 763	97.80173	0.187339902	0.59776324	0.63923156	0.71589649
## 764	99.96948	0.092045702	0.51702941	0.48273677	0.68313235
## 765	99.91323	0.871133685	0.80236650	0.84895301	0.66786671
## 766	99.92050	0.852830470	0.25518918	0.25904038	0.22737956
## 767	99.37606	0.263470083	0.38727587	0.35589284	0.34783372
## 768	95.68453	0.045863498	0.47964436	0.52527010	0.64395922
## 769	99.89807	0.674076259	0.26198798	0.20643276	0.37526891
## 770	99.88975	0.017554104	0.67452282	0.72181266	0.79651165
## 771	99.27766	0.026297381	0.69871277	0.72524589	0.80715770
## 772	99.19703	0.000128302	0.21664715	0.18863337	0.18970552
## 773	99.95937	0.894623160	0.38442659	0.45855516	0.44363490
## 774	99.90765	0.260975301	0.40209115	0.39018282	0.45049971
## 775	99.32047	0.017015845	0.34531987	0.28119448	0.52297843
## 776	99.87085	0.000351216	0.61215293	0.66120225	0.70076555
## 777	99.98027	0.001877141	0.28738764	0.27602541	0.34536016
## 778	99.94608	0.892192006	0.36242890	0.38180774	0.41441107
## 779	99.97192	0.374656916	0.67433864	0.63304079	0.73028672
## 780	99.94605	0.000250415	0.22742565	0.21370044	0.29467982
## 781	99.80460	0.095165499	0.70605946	0.68144620	0.69624460
## 782	97.60018	0.039561067	0.56144261	0.72725910	0.53011739
## 783	98.45669	0.052279059	0.56255621	0.56756729	0.74129629
## 784	99.94356	0.043010917	0.64725685	0.79659408	0.62759322
## 785	99.96469	0.284293473	0.71006024	0.66746432	0.79289490
## 786	99.71355	0.425376266	0.51956540	0.52543318	0.63376135
## 787	99.88611	0.378937244	0.39061931	0.44955888	0.60476720

## 788	99.99256	0.033814106	0.30984277	0.26459062	0.53716272
## 789	99.96113	0.726428866	0.59532476	0.51243991	0.60004914
## 790	99.93383	0.002237528	0.70231986	0.68566936	0.74138975
## 791	99.45636	0.990673780	0.41792500	0.36278552	0.57215464
## 792	99.85938	0.032989308	0.25265574	0.25620994	0.47698992
## 793	99.95946	0.209352314	0.35303059	0.32796562	0.44661990
## 794	99.72973	0.131746829	0.74478412	0.77961475	0.84137803
## 795	99.39071	0.297098339	0.49633014	0.46443170	0.60190862
## 796	99.89037	0.039930634	0.35540551	0.29793867	0.54515731
## 797	99.97729	0.115866669	0.60289770	0.69272161	0.79621732
## 798	99.36138	0.168085620	0.69709450	0.81461215	0.81236845
## 799	99.89035	0.500716627	0.73350167	0.71555412	0.77183902
## 800	99.10222	0.715398908	0.24586326	0.23739159	0.31306922
## 801	99.98844	0.190436035	0.72844523	0.70741802	0.76524848
## 802	99.97925	0.795250297	0.46283919	0.49433497	0.49930984
## 803	97.87213	0.022918122	0.36735660	0.32943985	0.55371267
## 804	98.48154	0.899326324	0.21810953	0.20418699	0.18423866
## 805	98.99757	0.000152739	0.28934664	0.33618692	0.37104356
## 806	99.86828	0.406291246	0.41787851	0.44817543	0.57291955
## 807	99.52279	0.620956659	0.59513718	0.63952857	0.65996677
## 808	99.98925	0.214065954	0.86399376	0.85909665	0.82805944
## 809	98.83560	0.632994294	0.56495893	0.66000670	0.71633393
## 810	99.95669	0.000244597	0.46306571	0.42232937	0.46173754
## 811	99.99550	0.532862425	0.73155731	0.80863935	0.79655838
## 812	99.46940	0.232759014	0.51947331	0.48541957	0.59863251
## 813	99.37355	0.006164451	0.50234503	0.45580021	0.60384560
## 814	92.98219	0.777112186	0.73847443	0.80292565	0.83702552
## 815	99.61145	0.748440325	0.42421246	0.46274668	0.51940948
## 816	99.93911	0.000063900	0.38325852	0.34677178	0.61707622
## 817	96.90840	0.288244694	0.71377015	0.76287973	0.64018434
## 818	98.56228	0.921617389	0.46926010	0.42438850	0.61424166
## 819	99.79770	0.105890401	0.34871763	0.28912261	0.53316301
## 820	99.28664	0.368918598	0.54899520	0.60039723	0.72113931
## 821	99.95146	0.284993142	0.47902802	0.44327614	0.55327052
## 822	99.08501	0.087565184	0.23759419	0.23005964	0.35672703
## 823	99.94488	0.159120396	0.42108163	0.46222222	0.53508872
## 824	99.99352	0.604601741	0.51611412	0.47178945	0.66943425
## 825	99.95017	0.000496838	0.36469790	0.38631636	0.50318843
## 826	99.61865	0.077919930	0.28341264	0.25168148	0.49681303
## 827	99.97193	0.009867962	0.59352189	0.57431477	0.67769140
## 828	99.81195	0.205030784	0.38996869	0.41775534	0.64366084
## 829	99.73287	0.515748084	0.51993412	0.52279496	0.60750055
## 830	96.47981	0.632167280	0.40525198	0.46365306	0.41933093
## 831	99.78107	0.113483496	0.56861520	0.69564527	0.68346405
## 832	99.97231	0.000102438	0.40341511	0.33884141	0.55195689
## 833	98.99996	0.072449148	0.38184840	0.38272601	0.37439805
## 834	99.96621	0.254286647	0.78494918	0.80999571	0.82353896
## 835	98.66074	0.277137846	0.60525215	0.63925642	0.67313898
## 836	99.96056	0.397462577	0.53994477	0.57595730	0.72675020
## 837	99.98629	0.064446777	0.86508518	0.89788759	0.92486459
## 838	98.15078	0.625505984	0.55225307	0.56276560	0.61744231
## 839	99.99429	0.000917552	0.34167066	0.30774409	0.36431786
## 840	99.87966	0.731294870	0.37402856	0.39074385	0.41651946
## 841	99.99496	0.000714532	0.42796910	0.38057414	0.57918137

## 842	99.78142	0.536338031	0.63897175	0.69961613	0.61584586
## 843	99.93983	0.038060173	0.65635288	0.60650241	0.68248284
## 844	99.94422	0.001177406	0.47949716	0.49317500	0.49183342
## 845	99.92532	0.990631163	0.43209735	0.60669953	0.38738722
## 846	96.28928	0.028535269	0.48617771	0.42869630	0.62390226
## 847	98.77099	0.567246437	0.37998685	0.37513721	0.54492176
## 848	99.98138	0.226323456	0.80984998	0.86770427	0.91874915
## 849	99.61385	0.548232138	0.63133282	0.68310511	0.75756639
## 850	99.57018	0.403906465	0.79131562	0.83966625	0.94959134
## 851	99.22976	0.307984650	0.77964217	0.78593260	0.81037664
## 852	99.73420	0.917412996	0.27629140	0.30036607	0.36322770
## 853	99.18630	0.112495966	0.48683208	0.44152045	0.60243172
## 854	97.19741	0.325664252	0.52352113	0.62861222	0.66355759
## 855	99.98673	0.065076157	0.39867559	0.41389376	0.60527080
## 856	99.03774	0.102503695	0.53732824	0.58785850	0.71934187
## 857	97.94587	0.056941722	0.55968064	0.71313715	0.73181284
## 858	99.09431	0.027720289	0.58175147	0.48149428	0.55460668
## 859	99.35686	0.717495084	0.36729684	0.36500087	0.60580134
## 860	96.22801	0.000067900	0.30034819	0.27959660	0.48693726
## 861	99.78977	0.006001418	0.61065221	0.54413992	0.54435122
## 862	99.89304	0.146683380	0.76715553	0.79693496	0.77086979
## 863	99.69669	0.839174747	0.52433974	0.54740840	0.59614408
## 864	98.73968	0.735935390	0.37039956	0.34311199	0.59375125
## 865	97.48934	0.366261125	0.36683783	0.32481381	0.51204282
## 866	99.98118	0.531433165	0.50573689	0.55143994	0.61968702
## 867	99.91030	0.334726602	0.63916922	0.70505935	0.75640225
## 868	99.64312	0.098769374	0.52079642	0.45276192	0.60136205
## 869	99.94516	0.861251831	0.48494586	0.49131674	0.44241738
## 870	99.95501	0.834120095	0.20725976	0.20304510	0.30618170
## 871	97.18734	0.135006055	0.52114737	0.61476225	0.59648478
## 872	99.90816	0.431819260	0.53878349	0.59711087	0.50272077
## 873	99.88715	0.344479710	0.52366114	0.58085215	0.51860052
## 874	97.76324	0.488961875	0.57285017	0.61750311	0.66858488
## 875	99.96944	0.506771684	0.48725635	0.46749175	0.62600219
## 876	97.48962	0.562758327	0.38393512	0.36561954	0.50637400
## 877	99.87092	0.007257427	0.45358458	0.39476672	0.60391468
## 878	97.98200	0.019841624	0.69216698	0.72213495	0.84729552
## 879	99.93964	0.005602080	0.48082706	0.44217709	0.65527332
## 880	99.44058	0.040010780	0.31504852	0.26311338	0.50456053
## 881	99.99815	0.249273583	0.49902004	0.44893012	0.64068639
## 882	94.90007	0.036401931	0.31962192	0.28188247	0.55209011
## 883	99.86002	0.178054273	0.45892435	0.45236737	0.56008077
## 884	99.43513	0.002723083	0.42886540	0.45999965	0.48304862
## 885	97.87065	0.169839874	0.68182945	0.71254551	0.79441857
## 886	99.99221	0.026426522	0.41388318	0.43360654	0.45069757
## 887	99.58504	0.489183962	0.33045495	0.33741432	0.51573467
## 888	99.74620	0.086925134	0.37853193	0.35689560	0.61764502
## 889	97.44776	0.067800574	0.57660216	0.62746579	0.60108954
## 890	99.72051	0.098473184	0.41117048	0.39626280	0.51047295
## 891	99.95817	0.027336856	0.33047035	0.28816912	0.53212535
## 892	98.20298	0.226124331	0.67240357	0.76322973	0.57802153
## 893	99.99533	0.000047800	0.23393893	0.21937995	0.21252106
## 894	91.03921	0.577582896	0.63797122	0.69945955	0.76441097
## 895	98.05333	0.491939068	0.66548193	0.69563252	0.76997316

## 896	95.65607	0.036790729	0.46311754	0.54791725	0.50871038
## 897	99.74773	0.130953237	0.61284071	0.62686539	0.68213123
## 898	92.72598	0.462337613	0.50842458	0.50940138	0.65251285
## 899	99.72677	0.584197462	0.58355403	0.68936390	0.64711410
## 900	99.98028	0.535563767	0.49406827	0.57953429	0.55641425
## 901	99.85247	0.018821908	0.54435676	0.65541303	0.50790674
## 902	99.30790	0.050468508	0.63286471	0.64306051	0.58812708
## 903	98.95683	0.427683830	0.30640948	0.31840086	0.41195166
## 904	98.09725	0.037766956	0.69654775	0.76185900	0.84482729
## 905	99.77248	0.004309850	0.40749663	0.41924879	0.54008901
## 906	95.12168	0.566015184	0.59426922	0.62629044	0.71922296
## 907	99.81368	0.000161104	0.29152262	0.31682560	0.49231833
## 908	98.09819	0.897455633	0.41968042	0.44116613	0.49277359
## 909	99.61944	0.426853240	0.45811081	0.45057112	0.61318100
## 910	99.86106	0.945133805	0.45553794	0.53353238	0.53207481
## 911	99.68650	0.009530411	0.35478055	0.30714774	0.57095551
## 912	99.88384	0.910734415	0.29967168	0.27141988	0.28921944
## 913	99.65229	0.389096767	0.43529803	0.49353865	0.53908908
## 914	99.61931	0.002731364	0.29391271	0.32663640	0.38056654
## 915	99.91472	0.012695698	0.31063092	0.33244184	0.38857761
## 916	99.92194	0.230958447	0.31253430	0.29420477	0.38478887
## 917	99.73222	0.037753046	0.48166370	0.41147476	0.32641175
## 918	99.99721	0.005519278	0.22852857	0.21422611	0.27618769
## 919	94.53851	0.006788407	0.61962873	0.72580868	0.75265986
## 920	99.91996	0.215042606	0.19503948	0.17095502	0.35336241
## 921	98.30687	0.296343595	0.72111380	0.70424128	0.70341450
## 922	99.97418	0.017469207	0.60256147	0.60784507	0.75544077
## 923	99.97129	0.048734717	0.75938207	0.81636715	0.88141102
## 924	98.69915	0.073601924	0.45932829	0.49707121	0.56027204
## 925	99.79324	0.061995253	0.51151484	0.48315012	0.62658435
## 926	99.32131	0.949668288	0.57397258	0.56454742	0.61354214
## 927	99.93667	0.212809071	0.24968368	0.24157199	0.47697783
## 928	99.98646	0.000666467	0.35554042	0.31048039	0.57834154
## 929	99.96314	0.275194317	0.49785107	0.53728801	0.64207369
## 930	99.58176	0.600763679	0.41945046	0.53122282	0.48076317
## 931	99.90848	0.323568285	0.62945926	0.69146562	0.77958471
## 932	99.95422	0.000199591	0.38502681	0.32739517	0.54273266
## 933	99.70953	0.133282721	0.44062614	0.43623835	0.67206782
## 934	99.85035	0.016777234	0.59959531	0.72547424	0.74777174
## 935	99.43510	0.020831421	0.40953967	0.36692017	0.60475945
## 936	99.29770	0.003116894	0.35603803	0.30869547	0.57098299
## 937	99.97231	0.000576774	0.86350650	0.87567788	0.93714392
## 938	99.96570	0.628130555	0.42119175	0.36894944	0.48951673
## 939	94.77032	0.008899916	0.30616668	0.34451798	0.43507919
## 940	99.96375	0.115937538	0.44057706	0.39725211	0.53686762
## 941	99.94834	0.095231064	0.54935628	0.59453917	0.60267478
## 942	98.01561	0.000331699	0.34464470	0.32476056	0.40618634
## 943	99.63289	0.116631553	0.58577174	0.64319331	0.76975566
## 944	99.80739	0.776978374	0.64145637	0.66822517	0.73395681
## 945	99.80651	0.411449701	0.57230002	0.72263455	0.82646865
## 946	98.44600	0.789787531	0.47880211	0.48136637	0.44458801
## 947	99.94363	0.008212390	0.47761670	0.58086920	0.56791335
## 948	99.99160	0.526014328	0.60847288	0.73087424	0.71105140
## 949	99.92995	0.246401116	0.48564821	0.50759625	0.69570452

## 950	99.92533	0.610742331	0.48114791	0.52727950	0.49853390
## 951	99.91974	0.000092100	0.25168061	0.24780537	0.35530669
## 952	99.88441	0.552329719	0.74951321	0.76944298	0.85378331
## 953	99.84786	0.170100018	0.24692516	0.23876026	0.39294225
## 954	98.86418	0.958304584	0.47091016	0.59384936	0.47536752
## 955	98.69092	0.890450478	0.46286631	0.64328384	0.51334578
## 956	99.91772	0.001397059	0.23270374	0.22584054	0.23372300
## 957	98.72265	0.959548116	0.43162295	0.48439211	0.53298318
## 958	99.99544	0.048055712	0.59387577	0.58061492	0.75136751
## 959	99.89700	0.098090418	0.55702156	0.52097648	0.69347489
## 960	99.97347	0.031170184	0.41969559	0.33249417	0.47308067
## 961	99.94056	0.087155581	0.40061766	0.45110443	0.61034280
## 962	99.83011	0.580489039	0.41415271	0.37129146	0.61272246
## 963	98.53420	0.966129422	0.43063730	0.52700800	0.55820495
## 964	99.64793	0.000224780	0.29271829	0.26727188	0.37328076
## 965	99.91850	0.003556332	0.18089518	0.14287655	0.36931583
## 966	99.86270	0.337653995	0.31406009	0.25919563	0.29626644
## 967	99.27147	0.340689152	0.65182978	0.76046532	0.66710997
## 968	99.12686	0.000429862	0.33448684	0.36075383	0.35621691
## 969	98.96586	0.939700425	0.52419400	0.62015361	0.61365372
## 970	99.98620	0.000286509	0.21988437	0.19321141	0.46935856
## 971	99.98042	0.225063905	0.34273261	0.36934784	0.58706957
## 972	99.33289	0.545089364	0.81270868	0.82134759	0.73140580
## 973	99.95341	0.189503834	0.69489670	0.73041183	0.73566866
## 974	98.89792	0.166571587	0.80677873	0.78455770	0.82153243
## 975	99.93493	0.179286361	0.58929384	0.61428523	0.76644242
## 976	99.92826	0.000016200	0.25690889	0.20943609	0.43427375
## 977	99.82061	0.412913322	0.58703476	0.68088227	0.67563301
## 978	97.32043	0.908522725	0.21867993	0.17421550	0.38869330
## 979	99.96621	0.291983664	0.38769689	0.43330652	0.48415965
## 980	98.83792	0.825905979	0.40262547	0.38468778	0.42492440
## 981	99.98595	0.000448519	0.19769439	0.17530267	0.31682998
## 982	99.10373	0.147669300	0.69247645	0.73693532	0.87059361
## 983	98.77481	0.000038600	0.24621439	0.23032536	0.44024137
## 984	99.01933	0.086581513	0.33445367	0.31577650	0.45165712
## 985	99.82563	0.713787854	0.34425577	0.35887054	0.57330155
## 986	96.62171	0.275561213	0.73847544	0.71324414	0.68818182
## 987	99.97921	0.230710998	0.61988372	0.62650686	0.78744870
## 988	99.31813	0.668698370	0.61853719	0.72851491	0.67163688
## 989	99.89641	0.000660311	0.24375461	0.19827505	0.46212560
## 990	99.99629	0.692851543	0.40842551	0.40874067	0.59856355
## 991	91.02847	0.674304187	0.24214636	0.24960527	0.30332410
## 992	99.98896	0.366765320	0.44243613	0.42188477	0.64381051
## 993	99.90580	0.684361756	0.35181567	0.47614101	0.41835388
## 994	99.98627	0.017141331	0.29949659	0.31922871	0.55550104
## 995	98.69263	0.746807516	0.32565773	0.32154521	0.51992941
## 996	99.97966	0.543796360	0.50458902	0.66316319	0.60745060
## 997	90.49374	0.024047760	0.28989577	0.26533735	0.44086939
## 998	99.71423	0.000588557	0.15924030	0.13884099	0.13236913
## 999	95.68088	0.451605737	0.44958764	0.51241910	0.57438934
## 1000	99.91872	0.001077005	0.25340071	0.21955149	0.50759327
## 1001	99.30728	0.774320066	0.28174537	0.68955231	0.60203558
## 1002	99.34042	0.303283185	0.28602964	0.28675407	0.49822345
## 1003	96.04035	0.740883946	0.34101689	0.32949016	0.56658536

## 1004	99.36816	0.195632502	0.61170203	0.61326098	0.62018198
## 1005	99.90085	0.347188503	0.69844651	0.73643988	0.76731730
## 1006	99.96048	0.012858008	0.43742618	0.48135707	0.57380843
## 1007	99.77030	0.836835861	0.23284860	0.19859123	0.23003690
## 1008	99.96847	0.064701065	0.29468215	0.24189439	0.28159538
## 1009	99.97245	0.002737719	0.26794803	0.26124075	0.47782266
## 1010	99.89313	0.030869072	0.63759834	0.78286546	0.72662789
## 1011	98.26334	0.688602507	0.45197338	0.57236659	0.45193574
## 1012	99.91777	0.351970762	0.50228548	0.54091644	0.59536833
## 1013	99.75768	0.417339355	0.59495240	0.66772383	0.56622952
## 1014	99.87472	0.196083710	0.66424912	0.62395442	0.71435583
## 1015	98.73347	0.776483953	0.40631905	0.39218947	0.43856832
## 1016	99.96818	0.050175201	0.76757085	0.78641331	0.83628911
## 1017	97.63899	0.770011425	0.30100378	0.26899621	0.31939113
## 1018	98.73460	0.041810729	0.33099425	0.30217034	0.56176346
## 1019	99.97343	0.244380504	0.42735606	0.39261633	0.62700880
## 1020	99.96537	0.095558837	0.57982081	0.53314543	0.70731914
## 1021	92.68431	0.226862401	0.68054455	0.64766449	0.76552790
## 1022	98.71446	0.222756982	0.37963864	0.34083250	0.32390410
## 1023	99.16382	0.141765967	0.66543269	0.73378032	0.72622031
## 1024	99.98757	0.119630672	0.27490634	0.22807500	0.25221232
## 1025	99.96887	0.141850397	0.24082360	0.19074687	0.44651473
## 1026	97.35101	0.715638936	0.51173323	0.60895759	0.65837658
## 1027	99.87821	0.000752921	0.42808601	0.36303487	0.60470533
## 1028	99.93360	0.000019400	0.31308135	0.28233558	0.27895585
## 1029	99.90091	0.844497442	0.30563655	0.38321760	0.34093505
## 1030	99.77884	0.119337656	0.59204090	0.54492992	0.68933857
## 1031	99.86912	0.187403217	0.21909518	0.17499742	0.34092218
## 1032	94.60209	0.004689186	0.34632903	0.29540232	0.42340899
## 1033	99.85533	0.005698740	0.24631360	0.25342134	0.38319793
## 1034	99.98588	0.353643775	0.56263202	0.54218638	0.71479964
## 1035	99.66881	0.734632015	0.45368618	0.63148731	0.52378797
## 1036	99.99703	0.105627149	0.81050563	0.85817349	0.95100504
## 1037	99.95394	0.087602407	0.48782638	0.53435391	0.60421467
## 1038	99.90686	0.016950779	0.60991096	0.65134859	0.70981365
## 1039	99.80302	0.123903058	0.67932427	0.73344272	0.63175911
## 1040	99.92795	0.323849082	0.22008242	0.19820315	0.38600141
## 1041	99.78985	0.314223051	0.70085347	0.72413337	0.80461729
## 1042	98.81967	0.002163371	0.38839790	0.36245212	0.56299913
## 1043	99.92338	0.001390933	0.41898465	0.40259355	0.60768610
## 1044	91.46017	0.045926608	0.43314838	0.43572915	0.61649960
## 1045	99.88751	0.000348494	0.26539198	0.22654307	0.34199858
## 1046	99.99037	0.001764220	0.13082847	0.12298492	0.11308801
## 1047	99.36637	0.019674109	0.75114828	0.78882641	0.75165123
## 1048	99.56549	0.119906016	0.57561970	0.65002108	0.71904468
## 1049	99.78001	0.582200229	0.46850744	0.47264990	0.44422257
## 1050	98.92727	0.192200318	0.52503425	0.61325592	0.67862499
## 1051	98.59612	0.161523595	0.24345107	0.24090010	0.23313846
## 1052	99.84935	0.000792661	0.20506917	0.18404095	0.45190814
## 1053	99.84428	0.244978800	0.58586645	0.66407162	0.75191498
## 1054	90.83811	0.197638720	0.44560945	0.44861782	0.34649250
## 1055	99.91025	0.108818181	0.50454968	0.58986551	0.45183563
## 1056	99.88967	0.020211805	0.30276263	0.28639665	0.50608140
## 1057	99.11115	0.000050600	0.17517179	0.14544533	0.25281936

## 1058	99.95066	0.564942062	0.26468161	0.24497749	0.36136901
## 1059	99.92464	0.091001652	0.37206847	0.30905676	0.56598795
## 1060	99.90031	0.091755733	0.32241964	0.31926915	0.50836205
## 1061	99.11109	0.058313258	0.85276926	0.84508514	0.84311497
## 1062	99.80132	0.832232177	0.34653461	0.37916654	0.48926717
## 1063	99.96049	0.004188052	0.27864745	0.25955761	0.41963109
## 1064	99.20278	0.376328021	0.40266064	0.51939869	0.41868156
## 1065	99.41509	0.030628722	0.23536827	0.20871060	0.36248791
## 1066	99.77538	0.272712260	0.58323598	0.52239913	0.65892637
## 1067	99.74876	0.810465217	0.50567138	0.50321329	0.47252217
## 1068	99.24500	0.007564925	0.33880329	0.32149425	0.45433024
## 1069	99.87498	0.000740329	0.26630071	0.23890346	0.49397340
## 1070	94.04866	0.532510936	0.43152532	0.50626487	0.53048420
## 1071	99.54782	0.061098278	0.67083174	0.70374680	0.81120771
## 1072	99.98809	0.002748175	0.21849060	0.19427317	0.33486715
## 1073	99.95346	0.138386577	0.54575217	0.56308430	0.63198739
## 1074	99.94619	0.010429518	0.53411961	0.55921465	0.70836168
## 1075	99.95839	0.500653803	0.39660028	0.46359730	0.55011594
## 1076	99.64616	0.442680031	0.27178198	0.24212791	0.41243386
## 1077	99.99826	0.035800006	0.70327789	0.74664581	0.83843797
## 1078	99.66183	0.342882335	0.50282252	0.44864482	0.65452373
## 1079	99.94634	0.000715303	0.27557182	0.24984652	0.43899998
## 1080	99.82713	0.048861250	0.69050002	0.77928025	0.59212583
## 1081	99.94569	0.800645113	0.30892029	0.26365244	0.50471920
## 1082	99.99034	0.068179786	0.44491893	0.43375114	0.67342979
## 1083	99.94737	0.000717895	0.25205287	0.24444711	0.52219057
## 1084	99.95817	0.133002564	0.35609159	0.34808448	0.53469092
## 1085	97.81739	0.527975798	0.62768537	0.72238737	0.71904725
## 1086	99.95220	0.002008562	0.50822920	0.46347919	0.67241681
## 1087	99.69071	0.125634193	0.54098338	0.50337732	0.59536016
## 1088	99.46867	0.238943890	0.42122498	0.46418980	0.51075840
## 1089	99.84902	0.210476115	0.31064251	0.27907616	0.38686269
## 1090	99.97365	0.000416028	0.40949082	0.42711821	0.55700690
## 1091	99.99298	0.585759282	0.57824862	0.62228620	0.73179531
## 1092	99.99237	0.000248255	0.32063925	0.26917207	0.54130644
## 1093	99.93425	0.398234874	0.27147376	0.23696984	0.30805126
## 1094	99.77780	0.261350036	0.43178293	0.46206781	0.54414409
## 1095	99.93339	0.001418652	0.29845494	0.26222348	0.46165574
## 1096	99.93148	0.361669213	0.69763815	0.75277674	0.81526023
## 1097	99.94270	0.417298555	0.45099583	0.49150592	0.63353413
## 1098	99.95886	0.018666148	0.31534627	0.35980108	0.47994956
## 1099	99.99336	0.181710571	0.20820542	0.21621108	0.40370461
## 1100	99.18950	0.008375466	0.75656784	0.79686427	0.74167508
## 1101	97.75633	0.314687967	0.47200438	0.53183478	0.55443126
## 1102	99.99299	0.016738914	0.25173649	0.27002898	0.40968034
## 1103	96.12311	0.576731622	0.34206679	0.35596943	0.54108900
## 1104	99.84629	0.563649416	0.35380080	0.33862692	0.48628885
## 1105	99.95073	0.330436051	0.29598829	0.32559904	0.50878930
## 1106	99.80293	0.585711122	0.47411066	0.55655134	0.53382736
## 1107	99.94342	0.217274189	0.54547364	0.67369837	0.74635750
## 1108	99.81519	0.029368414	0.29977348	0.31955832	0.45186031
## 1109	96.20686	0.164485693	0.29620120	0.26306427	0.26050633
## 1110	99.80915	0.835891068	0.51115513	0.48971620	0.53842723
## 1111	99.40805	0.001028635	0.42349771	0.35936284	0.51303071

## 1112	99.91674	0.019975688	0.25431147	0.24887541	0.42170688
## 1113	99.83721	0.184255168	0.24797928	0.21518284	0.45845222
## 1114	99.86421	0.027009608	0.38919142	0.37106541	0.52737999
## 1115	99.56321	0.114514284	0.68800002	0.65113676	0.79243427
## 1116	99.99479	0.047279920	0.42626017	0.43615064	0.43383157
## 1117	99.88583	0.011056051	0.45263293	0.43403003	0.45727286
## 1118	99.81958	0.725336492	0.36234540	0.42191532	0.45998931
## 1119	99.37210	0.384583473	0.38475528	0.37861404	0.35085329
## 1120	99.89465	0.000403233	0.21539734	0.21586198	0.35641900
## 1121	99.98716	0.316720277	0.38277331	0.43120214	0.48007595
## 1122	99.64909	0.002355746	0.47018310	0.45453844	0.69042247
## 1123	99.99296	0.839420915	0.39476377	0.42788628	0.58781463
## 1124	99.61456	0.598890722	0.57999599	0.54698205	0.64450747
## 1125	99.87805	0.000063500	0.17974965	0.16347362	0.33832747
## 1126	99.89415	0.282445550	0.45670399	0.42901066	0.52991062
## 1127	99.43122	0.000750069	0.29983213	0.30652907	0.30128393
## 1128	99.94077	0.178134486	0.64867252	0.71890175	0.71445024
## 1129	98.80939	0.502343118	0.53806627	0.54127950	0.67426449
## 1130	99.92766	0.235982791	0.49279618	0.50693184	0.70483220
## 1131	99.99610	0.320419550	0.59711581	0.65465891	0.81006718
## 1132	99.27004	0.064444117	0.77076250	0.84453350	0.93895048
## 1133	99.97773	0.001370880	0.32956693	0.31254682	0.50861829
## 1134	99.06041	0.049158134	0.43042406	0.45890698	0.60571629
## 1135	99.90421	0.335847914	0.64447802	0.72034669	0.73783827
## 1136	98.40065	0.093675621	0.41759905	0.36323550	0.56525505
## 1137	99.10553	0.072687425	0.27938780	0.29668984	0.45660546
## 1138	93.35219	0.173485577	0.76100814	0.81038874	0.88796616
## 1139	99.91722	0.058446720	0.49596977	0.47197428	0.67639381
## 1140	98.64719	0.088731267	0.56609774	0.61223394	0.73535842
## 1141	99.81239	0.838544548	0.27549729	0.23145822	0.46143100
## 1142	99.98143	0.001939953	0.63872778	0.61330485	0.69479549
## 1143	93.52647	0.024174014	0.41071430	0.42694122	0.67544562
## 1144	98.42114	0.045075577	0.41688973	0.44000781	0.45676929
## 1145	99.96504	0.247493193	0.27669799	0.29241774	0.49761379
## 1146	99.84238	0.985685945	0.37790620	0.38995758	0.40756476
## 1147	99.77390	0.090811126	0.46379194	0.55090916	0.61986989
## 1148	99.41880	0.105260752	0.55671191	0.58004558	0.75875890
## 1149	99.98685	0.008365942	0.17189342	0.18515751	0.28925282
## 1150	99.98401	0.271663070	0.54629064	0.56921661	0.76046449
## 1151	99.54712	0.085452259	0.42333081	0.36332571	0.50831008
## 1152	99.95553	0.070826836	0.53068846	0.48952782	0.63051403
## 1153	99.52001	0.005730340	0.18398401	0.17154394	0.27936462
## 1154	99.10246	0.064083070	0.69357562	0.65433115	0.72697014
## 1155	99.94707	0.026538232	0.30781522	0.34343928	0.38748351
## 1156	98.90688	0.466730893	0.48895538	0.58903968	0.50393570
## 1157	99.97971	0.026058709	0.34407905	0.29335395	0.50253236
## 1158	99.70638	0.168587208	0.28173566	0.27462140	0.33204046
## 1159	99.99236	0.220151439	0.36827019	0.34944412	0.42551184
## 1160	99.14898	0.338011473	0.51730096	0.51135826	0.71436721
## 1161	99.97905	0.001982510	0.27656305	0.26478615	0.44648397
## 1162	99.96936	0.000016800	0.15369828	0.13563845	0.28863379
## 1163	99.77881	0.931198955	0.44329420	0.46148777	0.51675814
## 1164	99.97916	0.150200695	0.46962690	0.45673057	0.63470197
## 1165	99.96239	0.001606736	0.31698149	0.27486271	0.46434760

## 1166	99.71614	0.507194579	0.75536847	0.77089459	0.81061620
## 1167	98.93416	0.478432298	0.57475001	0.68540484	0.60826886
## 1168	99.58931	0.894555628	0.17532812	0.13415712	0.18525255
## 1169	99.79711	0.085892081	0.37392414	0.35227850	0.55675483
## 1170	98.21879	0.080127545	0.32837042	0.31588554	0.55437589
## 1171	99.80874	0.000127105	0.22676095	0.19894236	0.39790642
## 1172	98.93280	0.184431463	0.41052699	0.37082258	0.29358789
## 1173	99.86587	0.211147487	0.43037313	0.44240063	0.58590144
## 1174	99.88733	0.006796272	0.40220732	0.37637457	0.53073651
## 1175	91.33741	0.832190156	0.39101759	0.35485801	0.37668940
## 1176	99.86921	0.993347228	0.31686786	0.28516695	0.30283469
## 1177	99.99062	0.014233800	0.30026388	0.26228446	0.31586218
## 1178	98.47867	0.011645688	0.36969933	0.29724765	0.45335546
## 1179	99.84866	0.001220307	0.17855194	0.20162004	0.28539184
## 1180	99.92843	0.015692435	0.29736394	0.24785550	0.46709675
## 1181	99.67380	0.020423580	0.54746163	0.49446017	0.70308715
## 1182	99.92152	0.334585160	0.80866754	0.84833539	0.96027625
## 1183	99.88832	0.020243995	0.52858114	0.57202697	0.75152755
## 1184	99.81657	0.201696858	0.25725919	0.21026200	0.44574287
## 1185	99.98798	0.566570759	0.39315757	0.39931121	0.54610348
## 1186	99.54732	0.931510687	0.52775812	0.51504165	0.40910456
## 1187	99.78894	0.018354600	0.68865395	0.66792876	0.77829486
## 1188	98.92760	0.656527102	0.28204671	0.29762101	0.39726463
## 1189	99.96700	0.017645631	0.83134341	0.84425026	0.87600941
## 1190	99.45728	0.271044761	0.44889641	0.41315904	0.58609009
## 1191	99.98426	0.225964084	0.65128690	0.76288265	0.66401154
## 1192	96.89772	0.336693555	0.68215781	0.68830651	0.82492894
## 1193	99.86477	0.121260941	0.69903147	0.72311604	0.83054876
## 1194	99.97003	0.000346504	0.23997565	0.19642366	0.44522813
## 1195	99.89118	0.460841089	0.59201240	0.70021176	0.76069623
## 1196	99.41810	0.318991542	0.56696767	0.62069750	0.67568862
## 1197	98.94383	0.445430249	0.36165774	0.28813598	0.29188061
## 1198	99.21467	0.021008125	0.50785243	0.44393235	0.63986731
## 1199	99.89787	0.458170861	0.30773884	0.27437267	0.54839504
## 1200	99.19178	0.104176611	0.46839559	0.50075757	0.61609232
## 1201	99.96027	0.502203166	0.33326316	0.33014288	0.40045703
## 1202	99.50061	0.337449998	0.44372585	0.46598142	0.64871705
## 1203	99.99135	0.031587988	0.37588999	0.36706206	0.55766928
## 1204	99.99341	0.129778817	0.39021856	0.45968831	0.53976363
## 1205	98.78941	0.000171561	0.33289790	0.28727940	0.53557199
## 1206	99.58498	0.174637407	0.61774349	0.73788285	0.69865918
## 1207	99.82253	0.149098784	0.49328092	0.54542637	0.64587098
## 1208	99.90750	0.607787013	0.68519378	0.70278424	0.83504397
## 1209	99.84030	0.147501707	0.56048894	0.57184452	0.47187325
## 1210	99.68756	0.373294085	0.35789350	0.31752086	0.50102150
## 1211	99.33979	0.015633211	0.34450000	0.33662501	0.54199749
## 1212	94.41744	0.129028618	0.55189192	0.52843165	0.66359442
## 1213	99.73407	0.133994222	0.51015496	0.54582131	0.58176506
## 1214	99.33001	0.104637086	0.58192891	0.53899187	0.58508784
## 1215	95.95916	0.000759622	0.33341929	0.30846211	0.51427412
## 1216	99.92047	0.202303514	0.41920316	0.43679398	0.64695007
## 1217	99.01804	0.200884387	0.49691150	0.54883683	0.65587401
## 1218	99.93808	0.042674635	0.33619741	0.33394480	0.57319510
## 1219	99.38172	0.001767620	0.30323857	0.27368498	0.32795301

## 1220	99.04293	0.003311740	0.38667777	0.36779281	0.46260732
## 1221	99.98822	0.250308096	0.58397949	0.58288485	0.76373661
## 1222	99.87857	0.810375571	0.31732485	0.33363557	0.38810372
## 1223	99.11753	0.021559527	0.64090449	0.63387847	0.76095104
## 1224	98.36381	0.079837672	0.28801560	0.29878157	0.47910598
## 1225	99.39545	0.000163742	0.24973950	0.25702891	0.47421467
## 1226	92.53832	0.723542929	0.48553756	0.53711605	0.51618379
## 1227	99.79498	0.920039058	0.42157182	0.45449433	0.54603910
## 1228	96.43387	0.848319173	0.40262407	0.50788641	0.44432464
## 1229	99.86575	0.425563842	0.43834606	0.38838214	0.40318897
## 1230	98.61690	0.412057787	0.69248086	0.75216764	0.65566820
## 1231	99.66057	0.197506249	0.52890503	0.49661526	0.69347525
## 1232	99.48127	0.467320979	0.34392667	0.29763454	0.48723134
## 1233	96.36233	0.403033197	0.63187343	0.65501153	0.71485442
## 1234	98.75873	0.135701671	0.56813860	0.63150668	0.65857017
## 1235	97.41849	0.098419711	0.66491699	0.78959638	0.83248985
## 1236	97.97166	0.032327481	0.41199821	0.45976424	0.62714821
## 1237	99.93724	0.192596465	0.32449788	0.33507243	0.54965687
## 1238	99.64340	0.778160632	0.36730000	0.37594405	0.49869794
## 1239	99.99126	0.002369546	0.32535601	0.29750305	0.52048540
## 1240	99.95204	0.327795565	0.62712777	0.68452364	0.76470578
## 1241	99.14974	0.053008281	0.73738682	0.76853085	0.79985803
## 1242	98.20137	0.000788137	0.39172658	0.34288403	0.50338125
## 1243	98.63153	0.033706907	0.66315401	0.73926312	0.70254302
## 1244	98.72449	0.308118016	0.30989054	0.29122570	0.41022763
## 1245	99.73839	0.000005950	0.26260829	0.22976033	0.49681172
## 1246	99.91904	0.015487504	0.69752812	0.76252520	0.82960725
## 1247	99.94392	0.005089113	0.32061750	0.28897858	0.55955362
## 1248	99.94313	0.122833535	0.43652514	0.41335672	0.66004491
## 1249	99.62509	0.798222363	0.39751634	0.40623534	0.54493946
## 1250	99.81360	0.000053700	0.33943594	0.31734011	0.52860081
## 1251	99.51621	0.476186067	0.80070919	0.83161879	0.84199935
## 1252	95.63854	0.011371343	0.49410501	0.44829452	0.55551767
## 1253	98.57302	0.479442537	0.33195084	0.27516449	0.26885530
## 1254	99.76239	0.433541507	0.67036796	0.63539970	0.68809378
## 1255	99.61388	0.019589234	0.53889984	0.58901858	0.72641182
## 1256	99.97614	0.679344714	0.33291227	0.31233558	0.34048682
## 1257	99.17656	0.801240981	0.40453920	0.43938810	0.58726156
## 1258	99.93848	0.000366899	0.22378612	0.18570991	0.40086135
## 1259	99.92260	0.153662711	0.70001215	0.70182115	0.78950512
## 1260	98.54526	0.050154809	0.33696216	0.31917340	0.32529721
## 1261	98.92315	0.017991247	0.54466492	0.54324484	0.70724499
## 1262	99.54753	0.001331792	0.71635222	0.77060652	0.83650547
## 1263	99.94112	0.834325552	0.24490872	0.25283775	0.33763397
## 1264	99.90084	0.819202602	0.28081763	0.35955605	0.44590500
## 1265	99.99376	0.091263726	0.43406376	0.52023226	0.57705915
## 1266	99.86725	0.477225542	0.55512744	0.64176136	0.78169054
## 1267	98.09262	0.505461991	0.64571828	0.70386195	0.76039481
## 1268	99.65446	0.157277808	0.46646410	0.47665417	0.67674595
## 1269	99.99771	0.510738313	0.54268056	0.58571011	0.73159277
## 1270	99.46161	0.040785950	0.64495772	0.58111966	0.64235842
## 1271	91.97386	0.628399432	0.55029744	0.58653086	0.50256604
## 1272	99.67603	0.085597485	0.83050472	0.83041072	0.84851795
## 1273	99.76904	0.403600842	0.65306962	0.75198841	0.83654267

## 1274	99.90036	0.000377224	0.22242281	0.24572763	0.24338958
## 1275	98.60468	0.076211907	0.51878750	0.58395320	0.67385495
## 1276	99.92405	0.114584394	0.18344747	0.15648307	0.30064601
## 1277	99.82465	0.206910089	0.69844818	0.78764767	0.60617131
## 1278	99.97223	0.152051687	0.55486041	0.54925930	0.72796047
## 1279	99.68923	0.097067773	0.44267511	0.37131661	0.58248538
## 1280	94.20494	0.128273442	0.75882578	0.80792099	0.88585776
## 1281	99.68172	0.006126784	0.55290878	0.55216014	0.73056603
## 1282	99.79578	0.048287068	0.69203836	0.68927509	0.83093297
## 1283	98.41560	0.323916376	0.60583228	0.65388542	0.66055167
## 1284	99.97184	0.029336283	0.55606568	0.54960656	0.64719671
## 1285	99.93405	0.005967323	0.39181912	0.38129762	0.55392003
## 1286	99.99159	0.130801111	0.56891453	0.55437791	0.73939991
## 1287	99.89622	0.715291262	0.69320768	0.71692938	0.81899655
## 1288	99.90587	0.197918251	0.24114655	0.27469149	0.33570984
## 1289	99.91417	0.037283324	0.28220907	0.27587828	0.47466084
## 1290	97.56155	0.340362132	0.54309171	0.62605578	0.77080178
## 1291	99.65846	0.375792146	0.34063456	0.30664286	0.52775222
## 1292	99.78741	0.682806730	0.45052567	0.45878997	0.61238986
## 1293	99.99462	0.008358562	0.41642263	0.41343898	0.57020229
## 1294	99.93056	0.340199679	0.35268775	0.34065977	0.54014975
## 1295	99.93046	0.000093600	0.36247546	0.32155639	0.57209915
## 1296	99.94472	0.174687028	0.47155717	0.43344602	0.54335487
## 1297	94.15963	0.059690345	0.53068566	0.52008772	0.63481855
## 1298	99.45210	0.275257766	0.38155204	0.39518174	0.62298006
## 1299	99.77137	0.690904319	0.54472131	0.62357181	0.63617212
## 1300	99.83607	0.346030742	0.53784877	0.52990025	0.55729991
## 1301	99.31917	0.045122318	0.75778949	0.76574880	0.82900619
## 1302	99.98901	0.304768026	0.50035507	0.48640552	0.57814294
## 1303	99.79305	0.515568435	0.62186515	0.67815393	0.70916230
## 1304	96.22855	0.744861305	0.40292412	0.36292094	0.46087313
## 1305	99.97233	0.605499685	0.59246755	0.69115710	0.66425842
## 1306	99.98797	0.203151941	0.35242638	0.33849132	0.55534089
## 1307	99.95113	0.167614862	0.54431087	0.47380179	0.55670071
## 1308	99.70373	0.051170483	0.66708356	0.73836440	0.85106486
## 1309	99.67504	0.373226017	0.59243822	0.64238650	0.76601827
## 1310	97.17056	0.098250031	0.48909929	0.47385433	0.58165616
## 1311	98.11043	0.417756587	0.52837163	0.50870448	0.67174649
## 1312	99.99839	0.005112080	0.35350001	0.29900169	0.54586720
## 1313	99.05782	0.004511773	0.30924907	0.25550804	0.44395787
## 1314	99.91641	0.045429964	0.56362444	0.52575338	0.61950636
## 1315	98.90850	0.965504944	0.41830000	0.51252621	0.49868438
## 1316	99.99814	0.065637983	0.72569984	0.75843930	0.82803070
## 1317	99.85582	0.607642055	0.58051610	0.69167966	0.70179880
## 1318	98.89068	0.063705616	0.37065759	0.32357290	0.50011349
## 1319	99.99156	0.660603464	0.56629884	0.56012487	0.72701293
## 1320	99.89791	0.692271531	0.51853639	0.56646806	0.58893645
## 1321	99.98092	0.016210154	0.59853524	0.56678879	0.72202557
## 1322	98.89187	0.975252092	0.11932997	0.09602074	0.07341072
## 1323	95.32551	0.000161770	0.23353413	0.20124874	0.39785168
## 1324	99.95604	0.010313609	0.44393623	0.43277040	0.64770287
## 1325	99.72241	0.056455828	0.55091578	0.65167052	0.56559396
## 1326	93.26343	0.295640737	0.45788077	0.44782275	0.62333578
## 1327	99.86400	0.199428782	0.47560325	0.41446507	0.54899514

## 1328	98.05601	0.022578716	0.44521543	0.42831978	0.61335641
## 1329	99.56603	0.041218109	0.41462621	0.41034141	0.58421564
## 1330	99.69442	0.029459529	0.56435180	0.60826629	0.77716809
## 1331	99.90161	0.180381060	0.29974827	0.30005079	0.41569912
## 1332	98.90657	0.401439339	0.60667807	0.59485614	0.67862517
## 1333	99.73143	0.136813670	0.71724039	0.77204615	0.83334804
## 1334	99.96965	0.115150057	0.42887378	0.39837712	0.58858520
## 1335	99.41668	0.040300023	0.17482655	0.14996764	0.39185971
## 1336	99.15870	0.038025327	0.67987108	0.67768550	0.78853285
## 1337	99.71155	0.195747733	0.37352139	0.36395350	0.34380916
## 1338	98.94303	0.615780532	0.43850201	0.48109800	0.66009313
## 1339	99.93521	0.118775561	0.26982820	0.26936457	0.42608184
## 1340	99.37641	0.011356958	0.25510192	0.21988973	0.46100682
## 1341	99.89153	0.025495175	0.53659159	0.58034408	0.66551375
## 1342	99.74147	0.668528020	0.32099575	0.33728957	0.48894882
## 1343	93.44897	0.000694896	0.32958624	0.31761238	0.58062780
## 1344	99.81443	0.543885529	0.73690993	0.81548738	0.83354491
## 1345	99.98573	0.039981756	0.44410247	0.38811404	0.59758115
## 1346	99.96407	0.590467572	0.48482612	0.54140973	0.61138135
## 1347	99.76970	0.033145647	0.41112876	0.35892889	0.42240962
## 1348	99.87622	0.212917209	0.72654778	0.81814385	0.84971285
## 1349	98.86128	0.196444705	0.39507309	0.41831598	0.61266941
## 1350	99.73137	0.120188162	0.69001931	0.69438559	0.83644462
## 1351	97.52072	0.013953485	0.66995847	0.65641588	0.75002307
## 1352	95.65465	0.081022523	0.60791272	0.60103524	0.72291088
## 1353	99.76894	0.036475852	0.24830431	0.26193270	0.41023001
## 1354	98.11760	0.235577762	0.47023824	0.54878640	0.48649570
## 1355	96.59769	0.026935445	0.43110287	0.47100288	0.47937372
## 1356	99.89640	0.177935138	0.58713257	0.60420334	0.71928257
## 1357	98.68201	0.881519914	0.50802654	0.47211728	0.63091409
## 1358	99.03640	0.433957100	0.60903132	0.60483789	0.76058728
## 1359	99.07219	0.024100563	0.65544385	0.62169409	0.72829163
## 1360	99.64716	0.062097907	0.41199884	0.43773660	0.67887771
## 1361	99.99499	0.040217329	0.50192750	0.56475133	0.71253908
## 1362	99.99577	0.002981561	0.26386890	0.23359059	0.50438654
## 1363	99.45624	0.061797529	0.32847655	0.37646508	0.53575462
## 1364	99.94799	0.112387262	0.45096740	0.43086568	0.57162726
## 1365	99.09819	0.270569384	0.39011619	0.40557391	0.57381338
## 1366	98.80658	0.397620291	0.42177343	0.39961538	0.57116610
## 1367	99.77902	0.555122674	0.30146101	0.28168705	0.45244560
## 1368	99.97347	0.000426113	0.28525350	0.27511081	0.44756678
## 1369	99.83723	0.018382603	0.46617842	0.48354524	0.65684760
## 1370	99.04552	0.995001733	0.27500975	0.49934766	0.45191196
## 1371	99.98527	0.636584640	0.57367951	0.52906442	0.64258921
## 1372	99.95543	0.001244891	0.30885148	0.27204502	0.49177784
## 1373	99.96394	0.174445495	0.53252894	0.59050924	0.54023337
## 1374	99.40350	0.020463580	0.44843194	0.40287989	0.61646873
## 1375	98.47055	0.025856130	0.52465600	0.52283192	0.66139221
## 1376	99.98513	0.011357741	0.49894676	0.49889243	0.62801266
## 1377	99.97975	0.803621829	0.30615857	0.33451507	0.28925782
## 1378	99.88542	0.033317719	0.73994958	0.85212797	0.79695010
## 1379	98.30312	0.019310402	0.36133942	0.37944719	0.57144421
## 1380	95.44638	0.360674620	0.52171552	0.53310156	0.70636296
## 1381	99.99769	0.171365991	0.54769278	0.60216218	0.72655731

## 1382	99.83220	0.023017051	0.36614975	0.32023042	0.57088816
## 1383	99.86702	0.971532047	0.20402491	0.16516919	0.17645347
## 1384	99.90290	0.000023900	0.28869191	0.25348759	0.44319573
## 1385	99.83300	0.022581697	0.18195637	0.17622586	0.31564972
## 1386	95.22263	0.047265146	0.33764270	0.29074755	0.37195021
## 1387	99.53933	0.002063713	0.27917212	0.25333539	0.38423759
## 1388	99.97781	0.067848578	0.56045067	0.59559661	0.68978620
## 1389	99.88681	0.813915491	0.28266585	0.31494030	0.38404089
## 1390	99.99621	0.056412194	0.42979100	0.39897361	0.60353690
## 1391	99.99052	0.005586000	0.45590788	0.43123060	0.65010339
## 1392	99.68899	0.094503663	0.39361453	0.41891694	0.55009806
## 1393	99.67455	0.154109716	0.64103490	0.74010712	0.57762086
## 1394	99.66447	0.968625486	0.22135714	0.17638795	0.13168739
## 1395	99.29746	0.439276904	0.47200927	0.48223847	0.51958716
## 1396	99.96950	0.613388777	0.62433595	0.65138727	0.66862166
## 1397	99.82084	0.687643766	0.49826658	0.43012434	0.40902275
## 1398	99.82899	0.012188749	0.80218309	0.84222895	0.87664646
## 1399	99.96391	0.024926504	0.30894959	0.32713968	0.47219375
## 1400	99.98990	0.068183072	0.55139762	0.49738085	0.61036932
## 1401	98.91747	0.001756043	0.19495454	0.17889793	0.36084798
## 1402	98.54648	0.000118301	0.27686673	0.24258579	0.39746660
## 1403	90.71941	0.458784729	0.63857114	0.69223714	0.71770132
## 1404	99.04476	0.734778106	0.41325530	0.41650435	0.57002902
## 1405	99.99142	0.025217095	0.53716081	0.58921564	0.68094450
## 1406	99.80297	0.476233274	0.34240070	0.42824072	0.37124556
## 1407	99.59603	0.671305597	0.24656667	0.18432298	0.29726982
## 1408	98.92447	0.736296535	0.35041249	0.42640248	0.51976812
## 1409	95.55120	0.063800223	0.53326404	0.56720859	0.52853405
## 1410	99.84926	0.814526320	0.58784908	0.70801616	0.69343740
## 1411	99.50022	0.587351024	0.64951885	0.68306309	0.83428329
## 1412	99.94137	0.134077042	0.44799030	0.48005518	0.57424450
## 1413	99.88266	0.000239427	0.21587710	0.21845119	0.23707926
## 1414	99.41409	0.378813297	0.37985322	0.46435174	0.58344978
## 1415	99.58505	0.046171386	0.44436172	0.44586933	0.67413646
## 1416	99.88594	0.325611949	0.62050533	0.58713347	0.66738117
## 1417	99.88162	0.219399050	0.55024010	0.62830061	0.49365872
## 1418	99.99117	0.333020240	0.65494806	0.64833403	0.74207544
## 1419	99.62713	0.018436123	0.67258918	0.77001607	0.85312307
## 1420	99.83223	0.095637262	0.23264712	0.23990683	0.30048832
## 1421	99.97267	0.083234869	0.45530817	0.40165776	0.63660985
## 1422	99.99817	0.511296332	0.48168525	0.41534647	0.62942195
## 1423	99.75690	0.436712772	0.60732776	0.55381697	0.66467047
## 1424	99.94229	0.192344144	0.57651371	0.57836902	0.71284699
## 1425	99.95168	0.004160868	0.38122532	0.36006844	0.60977322
## 1426	99.98023	0.284200698	0.38263458	0.34891000	0.52974939
## 1427	98.91012	0.965373814	0.22300403	0.17236082	0.19675611
## 1428	99.89700	0.075002834	0.51750970	0.48064342	0.70021039
## 1429	99.81730	0.974154353	0.45791936	0.37553701	0.47198373
## 1430	92.53132	0.034940198	0.45383769	0.43375727	0.63479948
## 1431	99.86612	0.130692050	0.36328486	0.40739012	0.63672292
## 1432	99.53415	0.003770367	0.35152581	0.41492257	0.61217362
## 1433	99.34429	0.005042600	0.73285520	0.73895580	0.77900565
## 1434	98.17263	0.384413779	0.55903000	0.56314749	0.70310849
## 1435	99.65162	0.131227419	0.76838016	0.82050592	0.92779100

## 1436	99.20365	0.030401260	0.16751534	0.13768686	0.11722090
## 1437	99.76450	0.000205121	0.34185147	0.31885344	0.54253960
## 1438	99.93248	0.000026500	0.32037830	0.27767268	0.48941368
## 1439	99.50795	0.154955566	0.62489104	0.66937411	0.76308095
## 1440	99.98468	0.000071200	0.36686820	0.33122721	0.50716871
## 1441	99.99153	0.000255911	0.38163778	0.33820075	0.58875298
## 1442	99.61513	0.781195641	0.67039025	0.72181261	0.69943553
## 1443	94.32345	0.325090021	0.40517446	0.38905078	0.51606554
## 1444	99.32900	0.075137801	0.63528115	0.59968054	0.67653948
## 1445	99.98747	0.183581829	0.69592983	0.75902575	0.61891848
## 1446	97.90252	0.411837429	0.37829575	0.40358862	0.56957209
## 1447	99.97354	0.042083647	0.45701587	0.53181309	0.62214530
## 1448	99.98339	0.028336411	0.40207338	0.36216941	0.61597013
## 1449	99.45885	0.929499149	0.29300001	0.29971233	0.36540625
## 1450	99.99511	0.026567670	0.52020144	0.56222975	0.76207083
## 1451	99.34947	0.016623467	0.36883020	0.37405911	0.49378502
## 1452	99.85625	0.273205191	0.54791415	0.53346902	0.68967170
## 1453	99.94676	0.000371202	0.40166667	0.33940497	0.55732340
## 1454	99.62338	0.257770151	0.62265098	0.67947978	0.75503659
## 1455	99.99016	0.011584815	0.36698303	0.33339593	0.59384173
## 1456	99.98279	0.167359859	0.58824998	0.62398410	0.75971067
## 1457	99.79815	0.136350647	0.24778831	0.22692472	0.42960757
## 1458	99.92051	0.243561357	0.38028511	0.39724976	0.56046617
## 1459	99.96500	0.000544872	0.77943778	0.87505150	0.84888852
## 1460	99.97411	0.103896245	0.46583208	0.48507181	0.64545488
## 1461	99.92019	0.003395883	0.78024715	0.84428716	0.88956147
## 1462	99.92315	0.057759892	0.39804649	0.35189280	0.54320484
## 1463	99.81056	0.003051791	0.21605955	0.18397568	0.34406593
## 1464	96.19201	0.088283092	0.24950001	0.21626906	0.25605223
## 1465	99.96268	0.783586383	0.43865761	0.41782689	0.63363642
## 1466	99.61159	0.028365131	0.87437427	0.89784628	0.89525676
## 1467	99.82777	0.000272134	0.34533638	0.29780313	0.56466573
## 1468	92.52136	0.003135508	0.53335279	0.48758140	0.69639903
## 1469	98.59090	0.106242843	0.34365386	0.30660579	0.52554816
## 1470	99.95659	0.003631404	0.34826451	0.31744072	0.57770628
## 1471	99.43398	0.016888304	0.53836673	0.53791702	0.66883278
## 1472	99.82946	0.034505941	0.51392591	0.54524416	0.51323503
## 1473	99.25865	0.053938534	0.42772526	0.38588124	0.56608737
## 1474	97.99704	0.000082400	0.26575613	0.24005811	0.48518804
## 1475	96.43316	0.827876389	0.51105261	0.47672868	0.56894481
## 1476	99.20477	0.316970825	0.46012607	0.45365959	0.66387492
## 1477	99.94025	0.730756342	0.40163353	0.35120991	0.41615120
## 1478	99.99088	0.611930132	0.45916933	0.37677544	0.50129259
## 1479	99.96284	0.138048321	0.48455334	0.41656759	0.61282128
## 1480	99.75381	0.449359000	0.49191645	0.45759204	0.63936591
## 1481	99.79307	0.360655755	0.58250380	0.67117315	0.69952309
## 1482	98.23498	0.344745636	0.26206171	0.21212226	0.36428702
## 1483	99.93297	0.001408153	0.34054080	0.33347458	0.61617362
## 1484	99.69568	0.031104460	0.72485787	0.75593919	0.88301212
## 1485	99.97903	0.080870315	0.61884940	0.64523983	0.80921459
## 1486	97.41122	0.880699754	0.45822933	0.48013923	0.53336859
## 1487	99.35685	0.931596994	0.55723298	0.65998989	0.71197939
## 1488	99.50488	0.013078904	0.63063651	0.63973451	0.66495842
## 1489	96.79196	0.000188912	0.17398380	0.13829888	0.30644530

## 1490	97.45947	0.100032263	0.45008928	0.44012991	0.55251539
## 1491	99.98699	0.005252755	0.33098653	0.31865200	0.56101626
## 1492	99.97691	0.966948152	0.25208861	0.27518308	0.27853772
## 1493	99.91586	0.649280667	0.53883076	0.59606051	0.65030307
## 1494	99.75142	0.173315123	0.80419350	0.85336304	0.89124131
## 1495	99.99673	0.082286969	0.55310756	0.54893148	0.74083644
## 1496	99.86707	0.824542820	0.58294398	0.70665646	0.65509409
## 1497	99.13725	0.612583697	0.30852363	0.24026525	0.40378979
## 1498	98.84003	0.000002300	0.16851725	0.12301946	0.39957923
## 1499	99.74837	0.135956749	0.54364526	0.51771325	0.62914449
## 1500	99.96648	0.817158163	0.39103049	0.51541126	0.45921338
## 1501	99.73508	0.509788454	0.36221945	0.33640045	0.58867002
## 1502	99.02501	0.525498927	0.67915618	0.75135487	0.73524320
## 1503	99.90925	0.000531539	0.31954825	0.27526745	0.51171809
## 1504	99.89894	0.818191171	0.45962957	0.35762295	0.57125670
## 1505	99.90800	0.785851419	0.52202350	0.68386555	0.62375885
## 1506	99.40167	0.024829511	0.62155390	0.68435097	0.50890821
## 1507	99.92120	0.781769514	0.66364902	0.71545088	0.82652718
## 1508	99.98406	0.519506037	0.59476083	0.71657878	0.71081144
## 1509	99.54785	0.889929473	0.32602578	0.32414275	0.34297466
## 1510	98.72263	0.000874624	0.37379977	0.32136810	0.58580136
## 1511	99.97900	0.019679336	0.49006537	0.59214622	0.69271964
## 1512	99.95888	0.001893310	0.59888709	0.54346103	0.62868214
## 1513	99.95890	0.014944016	0.74084681	0.73699844	0.68611085
## 1514	99.92335	0.149186164	0.49885136	0.59197813	0.60898304
## 1515	98.39411	0.472053498	0.20652732	0.23053653	0.23678890
## 1516	95.82426	0.899052024	0.53116012	0.53555453	0.67323315
## 1517	99.95762	0.632319570	0.56767303	0.51922411	0.62358367
## 1518	99.50273	0.112467907	0.41597199	0.45961952	0.64603656
## 1519	99.67037	0.578035891	0.26445198	0.25313628	0.49251932
## 1520	92.09761	0.022298981	0.88953000	0.92346001	0.88957363
## 1521	98.36062	0.014456876	0.59309602	0.65888148	0.70222276
## 1522	99.85017	0.083362661	0.48031893	0.49070573	0.55173641
## 1523	99.99048	0.137705699	0.59246600	0.58286178	0.70472592
## 1524	98.88634	0.064909257	0.33117670	0.33578745	0.38832888
## 1525	99.97763	0.537234128	0.44654688	0.46884728	0.60770232
## 1526	98.00499	0.396995217	0.71747339	0.79473805	0.81839311
## 1527	99.82569	0.043802917	0.23093189	0.22074789	0.44048432
## 1528	99.97598	0.003795160	0.63804191	0.64327347	0.78843802
## 1529	99.91483	0.934450686	0.52344185	0.64500713	0.50753492
## 1530	99.66930	0.235266596	0.68409425	0.69319898	0.80739969
## 1531	98.77995	0.769916356	0.38777256	0.47263733	0.38644734
## 1532	97.67686	0.189479202	0.65772498	0.69574988	0.77364129
## 1533	99.99652	0.839741886	0.48303956	0.47892421	0.57698905
## 1534	99.70637	0.479939163	0.41432708	0.43160635	0.50611055
## 1535	99.97386	0.044945341	0.36320147	0.41564310	0.43008921
## 1536	99.98177	0.018142171	0.62329495	0.61948425	0.73904079
## 1537	99.16693	0.281148881	0.68662703	0.67819697	0.78946531
## 1538	99.69885	0.002666521	0.43357143	0.35641974	0.52832872
## 1539	97.07498	0.493799329	0.31586734	0.37367111	0.33549649
## 1540	99.86987	0.001275035	0.28593320	0.22013925	0.41175771
## 1541	99.81106	0.304992318	0.38876399	0.39030582	0.57662255
## 1542	99.97771	0.001083334	0.30432594	0.28298864	0.52419430
## 1543	99.97842	0.413975209	0.36007616	0.40190461	0.58437914

## 1544	99.40825	0.076914780	0.36090538	0.43569782	0.66842669
## 1545	99.98847	0.020769492	0.62424868	0.62809759	0.74714786
## 1546	99.76291	0.379066437	0.51816839	0.60730416	0.73707569
## 1547	99.90941	0.089424223	0.58646584	0.59513134	0.74449599
## 1548	99.83191	0.013439808	0.34111303	0.35510141	0.59832811
## 1549	99.67446	0.000066300	0.19722156	0.20032613	0.35182846
## 1550	99.92614	0.107734419	0.53721714	0.51942307	0.70869249
## 1551	99.94250	0.003946854	0.31878284	0.28769398	0.54713583
## 1552	99.42666	0.391668260	0.73900002	0.75695896	0.82925236
## 1553	99.94947	0.924163640	0.50201136	0.61181200	0.58058548
## 1554	98.66664	0.748386621	0.31166098	0.34888059	0.52299517
## 1555	99.94912	0.000100737	0.27393126	0.26042035	0.45718795
## 1556	99.76773	0.675687134	0.61995906	0.69433761	0.82384872
## 1557	99.68422	0.001445924	0.24931335	0.26510242	0.32224748
## 1558	99.96088	0.160812706	0.63527435	0.61272007	0.72689921
## 1559	99.01418	0.269456923	0.77803713	0.77131003	0.77587354
## 1560	99.94325	0.562666297	0.36392406	0.34303713	0.51987428
## 1561	99.94568	0.061200067	0.33672687	0.33687526	0.60538840
## 1562	99.82867	0.476231545	0.52711558	0.49363768	0.59746754
## 1563	99.05553	0.218760490	0.30579776	0.23753044	0.39805859
## 1564	99.67383	0.000970045	0.23488170	0.22423376	0.38066944
## 1565	99.69120	0.472948462	0.34381089	0.39121652	0.57732308
## 1566	99.99462	0.128790870	0.45941037	0.46368903	0.69048983
## 1567	99.27741	0.419046640	0.60665154	0.56963325	0.71058768
## 1568	99.23633	0.691497326	0.32402661	0.29531166	0.34485933
## 1569	99.91519	0.012889681	0.42203048	0.38132986	0.62285966
## 1570	99.01477	0.031790324	0.53859687	0.55237091	0.71107405
## 1571	99.82638	0.936022341	0.61374068	0.61576134	0.69263965
## 1572	99.96445	0.669624567	0.38014230	0.41352925	0.47335294
## 1573	99.89467	0.397594750	0.28287703	0.28533742	0.35390922
## 1574	99.39555	0.018091485	0.20331100	0.20959193	0.28514165
## 1575	99.94856	0.000321355	0.31979796	0.32540733	0.45309609
## 1576	98.61854	0.036963437	0.68620324	0.72591382	0.85255361
## 1577	99.59098	0.001718096	0.46242753	0.47331852	0.68649465
## 1578	99.98246	0.578493178	0.56964195	0.65124410	0.63101220
## 1579	99.82783	0.862330258	0.34971896	0.39172754	0.54354578
## 1580	99.99770	0.084586099	0.43037295	0.46394938	0.39964521
## 1581	99.51272	0.538985789	0.26429966	0.29779893	0.28455642
## 1582	99.54815	0.013062383	0.59200716	0.57844913	0.55377048
## 1583	99.88565	0.010533665	0.54936844	0.52972960	0.63150746
## 1584	99.38020	0.006606028	0.66340810	0.73491722	0.78940988
## 1585	98.31338	0.000393511	0.34557453	0.43087617	0.39081794
## 1586	99.42397	0.874474943	0.58563829	0.69566989	0.70756972
## 1587	99.86887	0.509278178	0.33313701	0.36753687	0.56536305
## 1588	99.52378	0.002339678	0.22392802	0.21759427	0.36705607
## 1589	98.67779	0.047287535	0.35919797	0.35237014	0.54697698
## 1590	99.97007	0.025270665	0.49268734	0.53689408	0.53666013
## 1591	98.62733	0.072891071	0.32339743	0.33715537	0.47236741
## 1592	99.98364	0.186986834	0.52862900	0.57428849	0.48281404
## 1593	99.87324	0.035720676	0.26514164	0.25166699	0.26236844
## 1594	99.99850	0.529445469	0.61394829	0.71128976	0.85493314
## 1595	99.35791	0.123311915	0.29764134	0.29457569	0.39108574
## 1596	99.86515	0.404736072	0.52355748	0.54348040	0.73053122
## 1597	99.97330	0.179044172	0.63682651	0.61653447	0.71515876

## 1598	97.51901	0.904526889	0.53343016	0.65641302	0.58933783
## 1599	99.96963	0.492221326	0.33702108	0.29262510	0.41266051
## 1600	99.80855	0.006684009	0.53654528	0.54345471	0.51152986
## 1601	99.95231	0.014074869	0.79266071	0.87484217	0.76706499
## 1602	98.30935	0.202343404	0.61284268	0.69363743	0.81283319
## 1603	99.95462	0.798831642	0.56104529	0.50294215	0.60477674
## 1604	99.14350	0.301603138	0.55295909	0.64668769	0.64813960
## 1605	99.98523	0.327889949	0.55307615	0.56352198	0.65153116
## 1606	99.99894	0.016243001	0.41456744	0.38851383	0.54260182
## 1607	99.95984	0.901157558	0.51443559	0.48774710	0.54294544
## 1608	99.95201	0.000937011	0.66463256	0.65676028	0.75287294
## 1609	99.99351	0.046882760	0.54297584	0.53189081	0.67444169
## 1610	99.60187	0.417194605	0.38623470	0.38580808	0.45264965
## 1611	99.52640	0.191657886	0.27566740	0.31087711	0.48407033
## 1612	98.84589	0.409227431	0.68107098	0.74235201	0.75525856
## 1613	99.63625	0.163246185	0.61922604	0.60215956	0.62893122
## 1614	98.30047	0.315930068	0.43863371	0.53604335	0.61395156
## 1615	99.91711	0.280041009	0.31806031	0.30355352	0.51240474
## 1616	98.28870	0.000143724	0.21524584	0.21447785	0.23747528
## 1617	99.96702	0.770098388	0.73200864	0.77656066	0.87847304
## 1618	99.90130	0.031541537	0.27748355	0.27970421	0.45678678
## 1619	99.88110	0.452397078	0.38019961	0.37868807	0.60044509
## 1620	99.91441	0.216182500	0.43108639	0.49234000	0.39902669
## 1621	98.57505	0.102948077	0.36596432	0.35987768	0.32043430
## 1622	99.93276	0.529401898	0.46328887	0.40074944	0.50128144
## 1623	99.81620	0.122847192	0.43260321	0.46977982	0.58107769
## 1624	99.78853	0.546266258	0.37074873	0.35364264	0.53898788
## 1625	99.61116	0.256894976	0.63629448	0.62831354	0.78694975
## 1626	99.24238	0.979627609	0.55446929	0.72691304	0.48318517
## 1627	99.95140	0.001798049	0.37214211	0.32126912	0.58112997
## 1628	99.00892	0.057043150	0.63870865	0.61891341	0.73944449
## 1629	99.59250	0.372728884	0.52355343	0.53906220	0.72494847
## 1630	99.95640	0.735518456	0.80021405	0.81201869	0.86043894
## 1631	99.78336	0.964519083	0.46880758	0.46807995	0.56390804
## 1632	99.87638	0.020392006	0.24208353	0.22876896	0.44507173
## 1633	98.61100	0.038130119	0.35976344	0.34107491	0.57528460
## 1634	99.97380	0.317614168	0.68986452	0.77470571	0.78100127
## 1635	99.99606	0.041657086	0.51420343	0.53733671	0.66781545
## 1636	99.65149	0.000420012	0.28554749	0.26377237	0.50055867
## 1637	98.90145	0.395585179	0.61222559	0.54690939	0.67933953
## 1638	99.31470	0.625211298	0.68638611	0.72525305	0.85156202
## 1639	99.72098	0.198144794	0.70702440	0.74739075	0.85599548
## 1640	99.98366	0.197662637	0.33930484	0.31073880	0.54816783
## 1641	99.97246	0.033639867	0.32292020	0.26915866	0.46113312
## 1642	99.96024	0.283536762	0.42489725	0.43552798	0.37057179
## 1643	99.86249	0.001132370	0.23425716	0.23292002	0.36320168
## 1644	99.89734	0.480335951	0.56063235	0.63810009	0.49492836
## 1645	99.18496	0.119709350	0.43740678	0.48595184	0.53289044
## 1646	99.98799	0.035121590	0.24889302	0.23562320	0.38041258
## 1647	99.96849	0.952772260	0.33493951	0.38407385	0.41074297
## 1648	99.90743	0.428279281	0.53114098	0.48209217	0.62686545
## 1649	99.77641	0.005098365	0.43120098	0.39024615	0.61675012
## 1650	99.75740	0.141367421	0.28295594	0.27539596	0.46535918
## 1651	99.88253	0.743833840	0.35034171	0.40818694	0.43570152

## 1652	99.90342	0.620278656	0.29762435	0.33157614	0.51847982
## 1653	99.69384	0.390242904	0.75048810	0.80345643	0.82708698
## 1654	99.98158	0.037217956	0.40139455	0.35962668	0.59738249
## 1655	99.93861	0.484077036	0.24667074	0.19693358	0.25333428
## 1656	99.12810	0.375456423	0.43491513	0.47527632	0.48523215
## 1657	99.34444	0.107969709	0.43659854	0.48181188	0.38764051
## 1658	99.92347	0.014614019	0.28103668	0.28081959	0.47751468
## 1659	99.53775	0.000296756	0.25952792	0.24148384	0.54460657
## 1660	99.99593	0.000158953	0.45058873	0.44500741	0.66704118
## 1661	99.76663	0.032055516	0.00000000	0.00000000	0.00000000
## 1662	99.40098	0.199067965	0.59077990	0.62608534	0.74858808
## 1663	99.95920	0.029749436	0.48559844	0.45040494	0.58593613
## 1664	99.96154	0.082933716	0.37845224	0.36032113	0.57703316
## 1665	99.84290	0.002309669	0.30844083	0.26987621	0.42624772
## 1666	98.19510	0.179948136	0.36217743	0.33567476	0.36795381
## 1667	99.93455	0.000035600	0.36618194	0.29649594	0.49825609
## 1668	99.97588	0.024499280	0.38724133	0.35186434	0.57139814
## 1669	99.97029	0.022958467	0.57955176	0.65094912	0.70607114
## 1670	99.76589	0.026703335	0.41326979	0.47849053	0.62902129
## 1671	99.96413	0.947888613	0.15645318	0.12610510	0.16727480
## 1672	99.98952	0.089729778	0.51667809	0.59283948	0.55326438
## 1673	99.31715	0.002675875	0.58036679	0.63625801	0.59875786
## 1674	99.76882	0.040544100	0.59542149	0.53960425	0.65837425
## 1675	99.98756	0.020022254	0.56030792	0.58986103	0.76050836
## 1676	99.90568	0.045031238	0.30664578	0.27395105	0.51427215
## 1677	99.91827	0.018748354	0.27832955	0.26216063	0.50954717
## 1678	99.78718	0.951115429	0.26190337	0.22969148	0.41582924
## 1679	99.90221	0.433474660	0.32752797	0.37092039	0.42260477
## 1680	99.99366	0.879964232	0.30784175	0.31154525	0.40182957
## 1681	99.98758	0.000463025	0.35627580	0.32005197	0.57002974
## 1682	99.99762	0.084932216	0.49151233	0.52331060	0.65217090
## 1683	99.12391	0.030030502	0.27212039	0.24327144	0.25148553
## 1684	99.29745	0.006596386	0.26079786	0.23473601	0.47432643
## 1685	99.50599	0.005858112	0.58333880	0.58510315	0.44855773
## 1686	99.85851	0.231510490	0.59468162	0.55181998	0.72350532
## 1687	98.25070	0.000279581	0.25593218	0.21929055	0.51706386
## 1688	99.99597	0.000194131	0.46962261	0.42161915	0.65635681
## 1689	99.96139	0.486041456	0.49357325	0.42997885	0.60928249
## 1690	99.25206	0.019590577	0.19222130	0.24590148	0.30284506
## 1691	99.90430	0.017505411	0.59737158	0.58046633	0.72647852
## 1692	99.81284	0.000304459	0.32116944	0.30257389	0.47546872
## 1693	99.93462	0.546518028	0.47696003	0.59898627	0.48592630
## 1694	99.52247	0.146443829	0.36677891	0.31101853	0.49499300
## 1695	99.95433	0.000248592	0.48175377	0.45558754	0.66718352
## 1696	99.74757	0.669715643	0.68659782	0.69855094	0.83290964
## 1697	99.95860	0.392277360	0.47258797	0.57869405	0.60074103
## 1698	99.99737	0.268191487	0.29789212	0.32831669	0.42066583
## 1699	99.98959	0.342739165	0.50505203	0.56289429	0.65060776
## 1700	99.76277	0.322587281	0.45033407	0.49738023	0.59413606
## 1701	99.98147	0.271793514	0.54255468	0.53739184	0.48257112
## 1702	99.68258	0.365150511	0.42684856	0.40178591	0.61754394
## 1703	99.93750	0.014272051	0.40571314	0.36804870	0.62600571
## 1704	99.92103	0.000017000	0.21437529	0.18193862	0.16202216
## 1705	99.79627	0.941989362	0.34174323	0.34844980	0.39369383

## 1706	98.99780	0.043304630	0.49406886	0.46396196	0.68837196
## 1707	99.31666	0.034375519	0.61117959	0.69690186	0.76431507
## 1708	99.37414	0.006060353	0.64721906	0.65706813	0.80988842
## 1709	99.84253	0.162331730	0.51550221	0.59482956	0.52018821
## 1710	94.64226	0.424957782	0.64440680	0.72570175	0.86897248
## 1711	99.96475	0.662315369	0.54746151	0.64233577	0.64391577
## 1712	99.43596	0.108958691	0.56281847	0.62167054	0.75582349
## 1713	99.87355	0.003665691	0.38935199	0.34552541	0.58959419
## 1714	99.99708	0.004960867	0.55880183	0.55733472	0.73259914
## 1715	95.41858	0.139197305	0.37525499	0.39057782	0.56488419
## 1716	98.81144	0.115697615	0.56675792	0.58297026	0.62282294
## 1717	99.91468	0.168411225	0.36935186	0.34146196	0.51819152
## 1718	99.70797	0.118335128	0.54662216	0.59959698	0.72739583
## 1719	99.87696	0.971746981	0.26136914	0.23521094	0.20560677
## 1720	98.94273	0.517223477	0.43894592	0.45511970	0.55600297
## 1721	98.19481	0.201644748	0.41720104	0.43394542	0.60730481
## 1722	99.82329	0.114996672	0.32053649	0.29700717	0.41686451
## 1723	98.97583	0.114241235	0.41906738	0.42524639	0.55151844
## 1724	99.94231	0.044588268	0.64532483	0.66546029	0.73963654
## 1725	99.81043	0.000602254	0.69467533	0.72374177	0.76732004
## 1726	99.99101	0.525035203	0.44369999	0.51504237	0.65732902
## 1727	99.96828	0.029629081	0.51619828	0.52081931	0.56421983
## 1728	99.98822	0.007723279	0.37028313	0.33350497	0.50487512
## 1729	99.89482	0.000010800	0.16744174	0.13274556	0.23264737
## 1730	98.82317	0.682479203	0.55083168	0.69563496	0.67342365
## 1731	99.53335	0.016346628	0.41248530	0.38841426	0.56221431
## 1732	98.04636	0.918010473	0.34463334	0.31967065	0.42448193
## 1733	99.97058	0.061438832	0.44312587	0.43196586	0.66329831
## 1734	99.77827	0.554569781	0.42796326	0.39342418	0.53503925
## 1735	93.85850	0.068238892	0.34918135	0.35033181	0.60212773
## 1736	99.96779	0.160783052	0.47934654	0.45215085	0.58691615
## 1737	99.86447	0.495452434	0.70854074	0.74207985	0.84388208
## 1738	99.89792	0.079110250	0.64213818	0.65332085	0.76308745
## 1739	99.61911	0.268308759	0.45202050	0.52657157	0.62119311
## 1740	99.18469	0.015234195	0.38755777	0.40236691	0.56281716
## 1741	99.98292	0.001150845	0.51284003	0.45445484	0.62979191
## 1742	99.97640	0.269836038	0.50432432	0.48737872	0.67979634
## 1743	99.99832	0.565250278	0.70357239	0.73130876	0.85716653
## 1744	96.75902	0.801048100	0.28136793	0.26919991	0.38488027
## 1745	99.58848	0.518354833	0.49870673	0.53371286	0.66753465
## 1746	98.45272	0.000222665	0.20143783	0.21335082	0.44812009
## 1747	98.96579	0.305803567	0.50904286	0.57116669	0.70434946
## 1748	99.19848	0.932093084	0.44481129	0.34462705	0.44703716
## 1749	99.96606	0.693411469	0.39201924	0.42709422	0.56464601
## 1750	99.78369	0.000241432	0.41883385	0.39111260	0.59992856
## 1751	99.69513	0.227349117	0.41222984	0.47189495	0.41791105
## 1752	99.81808	0.027205607	0.42155978	0.42130357	0.64662272
## 1753	98.78886	0.763992250	0.30466387	0.27106214	0.21528313
## 1754	99.95292	0.027861182	0.34806302	0.32699010	0.49686196
## 1755	99.65550	0.817918360	0.55664444	0.60418946	0.68824094
## 1756	99.98534	0.012257061	0.54052502	0.50794727	0.64977634
## 1757	99.73758	0.063322060	0.76230866	0.76299685	0.82794851
## 1758	98.44176	0.062258445	0.37805739	0.37652439	0.49806476
## 1759	99.88233	0.228756815	0.36678004	0.30680493	0.53747612

## 1760	97.96514	0.545386970	0.55230230	0.57177430	0.69197392
## 1761	99.90511	0.000005390	0.13108869	0.09817461	0.28497732
## 1762	97.83470	0.003270227	0.43794632	0.50125217	0.65207315
## 1763	98.99239	0.411854386	0.62937993	0.58363622	0.71089846
## 1764	99.86825	0.000157548	0.44659770	0.39046323	0.62866479
## 1765	97.79080	0.000288395	0.46955967	0.46734476	0.44242111
## 1766	99.95457	0.103586070	0.35190594	0.32467359	0.51649451
## 1767	99.96509	0.400751173	0.44549435	0.40900070	0.60038966
## 1768	99.93901	0.245050400	0.68915534	0.62671691	0.67427915
## 1769	99.05346	0.231924504	0.66066665	0.65081352	0.74106711
## 1770	97.31108	0.835032642	0.52806062	0.53260243	0.58516747
## 1771	99.94700	0.021404879	0.48292840	0.40656477	0.62479609
## 1772	99.84924	0.300190359	0.33994991	0.32326162	0.54638779
## 1773	90.21538	0.084226765	0.36290577	0.31691265	0.58199614
## 1774	99.78477	0.022800133	0.60908806	0.72684377	0.73898763
## 1775	99.97587	0.050599471	0.42009941	0.37187597	0.59636301
## 1776	99.72157	0.033749241	0.51117826	0.61388356	0.59170490
## 1777	99.99430	0.952202141	0.32619932	0.30315509	0.30506840
## 1778	99.85243	0.017990898	0.65942687	0.70135856	0.78013354
## 1779	99.94094	0.087696925	0.69294977	0.75158685	0.74157500
## 1780	99.87003	0.115190230	0.37161154	0.34089744	0.60790449
## 1781	99.58696	0.166364029	0.30912942	0.31081259	0.38173738
## 1782	99.96469	0.228579715	0.58619368	0.61428064	0.76799345
## 1783	99.67083	0.043132920	0.39722261	0.36924267	0.61817795
## 1784	99.88155	0.151759744	0.36334166	0.39148387	0.50542563
## 1785	99.96857	0.010673747	0.22326228	0.18622609	0.41744053
## 1786	99.70543	0.426727057	0.26044396	0.19872162	0.34718519
## 1787	98.36575	0.312528789	0.59096861	0.53664035	0.63465262
## 1788	99.87829	0.012716162	0.35599866	0.32204470	0.57225734
## 1789	97.22041	0.185091123	0.70579565	0.65772677	0.75859749
## 1790	97.41291	0.765451431	0.55604589	0.64898062	0.68723148
## 1791	99.86826	0.866703510	0.24108437	0.27672890	0.35815197
## 1792	99.97221	0.030771650	0.60846931	0.77720332	0.83536702
## 1793	99.99664	0.006347306	0.45635989	0.39843705	0.62591869
## 1794	99.97939	0.722317398	0.47454622	0.48179287	0.68988526
## 1795	99.80319	0.006295942	0.47580984	0.50098544	0.71762842
## 1796	99.93952	0.010613613	0.38479495	0.41735730	0.50232673
## 1797	99.94589	0.137226850	0.50163102	0.59074211	0.63600486
## 1798	99.76846	0.074617490	0.47314173	0.50627661	0.66106147
## 1799	99.98874	0.460690141	0.70388448	0.74807501	0.85863406
## 1800	94.25318	0.603898227	0.40709117	0.35104936	0.59609813
## 1801	99.91532	0.050766293	0.42819568	0.45762309	0.49861014
## 1802	99.89009	0.646843374	0.61058956	0.70472622	0.52261227
## 1803	99.93355	0.052143712	0.42115533	0.45305699	0.35930133
## 1804	99.74666	0.486007541	0.34322727	0.30683276	0.47526738
## 1805	94.08765	0.676883280	0.55246848	0.52505094	0.72203761
## 1806	99.88308	0.677455306	0.50116032	0.62740028	0.63239539
## 1807	99.85900	0.174160108	0.43584633	0.36575723	0.57482767
## 1808	95.41777	0.003651715	0.30852762	0.27670676	0.32918444
## 1809	99.84738	0.755598605	0.32962006	0.32510072	0.44584897
## 1810	98.89795	0.485983402	0.47742656	0.50033444	0.46009868
## 1811	99.94437	0.041488834	0.35177398	0.38488176	0.42520389
## 1812	99.54053	0.031972654	0.23068976	0.23383381	0.34456146
## 1813	99.69100	0.147433624	0.31131366	0.26860082	0.54273379

## 1814	99.99632	0.109741069	0.54879826	0.64296764	0.69026655
## 1815	93.44909	0.798716664	0.57760751	0.58180153	0.71162265
## 1816	99.79192	0.954951584	0.45035252	0.45501015	0.52357465
## 1817	99.86451	0.318767041	0.55983079	0.65272784	0.59795564
## 1818	99.83456	0.532619715	0.44080341	0.50744456	0.71079874
## 1819	99.92177	0.301534235	0.47676441	0.45943674	0.63186222
## 1820	99.83749	0.001158843	0.59026676	0.57275343	0.70296180
## 1821	99.84232	0.142546356	0.36067024	0.38253275	0.51887250
## 1822	99.80496	0.318048328	0.24096856	0.21564335	0.23871207
## 1823	99.96877	0.009869823	0.33817425	0.37337938	0.50132006
## 1824	99.96874	0.649823487	0.34579015	0.39253601	0.43254960
## 1825	99.85743	0.024587154	0.44155699	0.51095504	0.72011876
## 1826	99.51632	0.005812849	0.30798015	0.27062523	0.47469395
## 1827	99.26659	0.008521963	0.41716251	0.39915988	0.53445905
## 1828	99.97161	0.056357346	0.47301418	0.48273763	0.62915343
## 1829	98.63584	0.714117110	0.75763839	0.83811128	0.94148570
## 1830	97.09712	0.000056900	0.19033019	0.15693334	0.32533088
## 1831	99.98251	0.052582558	0.58188891	0.56097406	0.71670926
## 1832	99.99836	0.028077345	0.61411738	0.66092443	0.76962942
## 1833	98.68206	0.160392627	0.40012574	0.40082371	0.50617379
## 1834	99.99123	0.067444995	0.07788109	0.05509395	0.08180010
## 1835	99.95942	0.872210324	0.45130876	0.50144088	0.63926131
## 1836	99.81618	0.131452158	0.36906046	0.40673891	0.43986788
## 1837	99.97577	0.992992520	0.34045297	0.26487804	0.39971814
## 1838	99.65355	0.115797497	0.52469164	0.49651888	0.62647128
## 1839	99.99496	0.135100707	0.34112948	0.32277265	0.51176751
## 1840	99.85941	0.298733026	0.51808810	0.43092021	0.55072582
## 1841	99.99087	0.113653876	0.43225798	0.42886272	0.55416936
## 1842	97.33759	0.129271507	0.79627162	0.84485519	0.91185284
## 1843	99.97600	0.027926557	0.39941835	0.43946329	0.58667862
## 1844	99.98121	0.050969902	0.27416241	0.23480619	0.44312781
## 1845	98.85420	0.062438097	0.72233331	0.71200931	0.75141197
## 1846	99.97624	0.300715357	0.62814307	0.58599424	0.72684199
## 1847	99.85208	0.448545635	0.25679243	0.21559419	0.27201834
## 1848	99.69030	0.693676531	0.38148466	0.34991577	0.59210938
## 1849	93.30194	0.856868863	0.52825278	0.59673470	0.75560427
## 1850	99.87778	0.981407404	0.39811164	0.51508695	0.43234563
## 1851	99.67870	0.284569442	0.78370094	0.81744993	0.91539079
## 1852	99.96929	0.355138808	0.39806601	0.43661031	0.65635008
## 1853	95.91730	0.754653931	0.44577482	0.47947970	0.51617098
## 1854	99.99903	0.410356522	0.52854556	0.55447704	0.71570420
## 1855	99.96782	0.012061778	0.68895072	0.76841319	0.89758742
## 1856	94.25361	0.088262975	0.72544456	0.77870023	0.85004425
## 1857	94.88266	0.120684579	0.70724159	0.77041888	0.85722262
## 1858	99.51410	0.037702285	0.68434882	0.72600573	0.83956629
## 1859	98.46748	0.443523020	0.46547142	0.44348618	0.65457070
## 1860	97.67007	0.361611038	0.44051662	0.47598961	0.40256032
## 1861	99.97630	0.259481311	0.43831578	0.34248769	0.48442671
## 1862	99.97932	0.028593581	0.40308952	0.38779139	0.61723238
## 1863	99.89121	0.817353368	0.45009723	0.41453221	0.62957877
## 1864	99.95615	0.011113147	0.38889497	0.49131092	0.45186132
## 1865	99.60155	0.961956680	0.36285859	0.41375998	0.43227178
## 1866	99.73075	0.844330907	0.44372189	0.46069878	0.41364467
## 1867	99.82514	0.053593971	0.81227523	0.87423277	0.81249493

## 1868	99.82316	0.000023400	0.26215595	0.23677888	0.54074234
## 1869	98.71634	0.681703150	0.38213181	0.44884127	0.45722011
## 1870	99.98606	0.370857656	0.55083513	0.55304110	0.71002436
## 1871	99.86137	0.007304888	0.47898099	0.46920151	0.68367571
## 1872	99.78226	0.132968321	0.59454834	0.60949916	0.72048348
## 1873	98.60336	0.858630419	0.36376035	0.38581449	0.50693482
## 1874	99.44594	0.093331248	0.69491130	0.70463646	0.49429840
## 1875	96.37161	0.000074400	0.20761409	0.16467857	0.20227852
## 1876	99.10411	0.031650309	0.36382469	0.30813715	0.56603497
## 1877	98.80243	0.883290529	0.68516994	0.80099571	0.93440121
## 1878	94.52765	0.102863595	0.70653951	0.78824818	0.86969227
## 1879	99.51374	0.000787236	0.27264228	0.26697165	0.41227967
## 1880	99.96585	0.078445062	0.65437537	0.68058866	0.77267396
## 1881	99.66070	0.000852896	0.46491158	0.45920175	0.55061263
## 1882	96.97232	0.037676860	0.28854111	0.24182789	0.44721156
## 1883	99.91684	0.466771871	0.22001995	0.17772733	0.29924935
## 1884	98.70795	0.029303230	0.19740544	0.16107577	0.26782831
## 1885	98.59855	0.630191147	0.47434616	0.49806994	0.45379567
## 1886	98.84549	0.000869446	0.17644378	0.16635901	0.35364917
## 1887	99.98778	0.417355418	0.32741237	0.25755659	0.34559199
## 1888	99.77445	0.000015500	0.28897911	0.23646306	0.45683575
## 1889	99.48930	0.579199910	0.60740548	0.57219851	0.63119316
## 1890	97.34580	0.627689064	0.60929817	0.73355496	0.61808819
## 1891	98.84569	0.426294416	0.65551138	0.65136844	0.77314568
## 1892	99.99582	0.089251943	0.39316297	0.41789639	0.63475674
## 1893	99.51087	0.002508930	0.28174669	0.25544652	0.43912870
## 1894	99.95123	0.000362606	0.26799265	0.21481577	0.48909634
## 1895	99.96472	0.190376103	0.53617477	0.57434982	0.71729338
## 1896	99.98962	0.000704441	0.34963733	0.34460652	0.60120642
## 1897	99.97734	0.045376133	0.19204398	0.15977988	0.38869679
## 1898	91.53297	0.017752107	0.52554566	0.49338630	0.67222816
## 1899	99.87034	0.605679333	0.66676992	0.76989251	0.79818839
## 1900	99.94727	0.000087400	0.53876549	0.44894937	0.56181288
## 1901	99.56083	0.000111059	0.31806862	0.25750726	0.50081980
## 1902	95.25749	0.765210032	0.73788482	0.71753049	0.68219715
## 1903	99.45373	0.161261499	0.68688357	0.69476450	0.80025655
## 1904	98.31944	0.471166521	0.53927112	0.59785271	0.69964111
## 1905	99.97683	0.176883966	0.56371653	0.64002574	0.60457420
## 1906	99.61845	0.811534822	0.18043315	0.14456142	0.13364966
## 1907	99.89791	0.003526009	0.43749046	0.37616476	0.61269003
## 1908	99.89698	0.677980125	0.27665305	0.22511856	0.47104537
## 1909	99.88960	0.010279459	0.38060912	0.38250956	0.39020646
## 1910	99.88080	0.129415110	0.11310000	0.08527996	0.25836694
## 1911	92.34971	0.160554841	0.26226935	0.22859012	0.22596867
## 1912	98.29889	0.145950019	0.06811436	0.04816413	0.15633380
## 1913	99.79968	0.037604161	0.25792962	0.24386595	0.44025481
## 1914	92.34920	0.941922784	0.54247975	0.65242964	0.76922214
## 1915	99.26418	0.672289312	0.57697523	0.58205050	0.73594040
## 1916	99.46264	0.000404667	0.31069672	0.31770280	0.30883539
## 1917	94.19717	0.174417093	0.57416701	0.62488812	0.74619263
## 1918	99.57996	0.373586118	0.32770833	0.26865256	0.50505912
## 1919	99.45940	0.013068570	0.43794608	0.37771913	0.56806523
## 1920	99.87677	0.351926297	0.73165357	0.74551731	0.82950145
## 1921	99.91622	0.082240760	0.45838663	0.46640295	0.36187193

## 1922	99.41642	0.256256014	0.20313521	0.16109929	0.41487217
## 1923	99.97342	0.433318913	0.57056695	0.53124481	0.70220214
## 1924	98.39065	0.019738687	0.68759519	0.70228922	0.77453929
## 1925	94.06559	0.204456910	0.68557453	0.74155301	0.83431119
## 1926	99.96566	0.362575591	0.62462240	0.69408721	0.74777991
## 1927	97.32993	0.141907111	0.46958008	0.55399501	0.53865689
## 1928	96.00822	0.001255340	0.25333607	0.25052851	0.25451049
## 1929	97.17859	0.005941479	0.44661540	0.46069536	0.65774429
## 1930	99.93712	0.852949977	0.37552443	0.42326531	0.44824299
## 1931	99.47226	0.117555432	0.21481854	0.20560054	0.36275271
## 1932	99.89724	0.002047116	0.59613109	0.58060342	0.72895408
## 1933	99.96933	0.046031840	0.28369972	0.26391518	0.52554178
## 1934	99.86596	0.019874940	0.40906924	0.38043362	0.58062708
## 1935	99.69131	0.351115942	0.27882364	0.26194018	0.22738473
## 1936	99.86712	0.000003480	0.16699846	0.16901800	0.19771625
## 1937	99.94637	0.000045700	0.20931624	0.18580398	0.24387275
## 1938	99.94418	0.081903763	0.28096992	0.23872729	0.48393378
## 1939	99.99033	0.080673009	0.33119804	0.37244108	0.57106048
## 1940	99.97583	0.098394834	0.23691308	0.21172603	0.39556551
## 1941	99.84533	0.122777753	0.51906097	0.62753248	0.61612564
## 1942	99.97889	0.194870666	0.46437660	0.48961857	0.69341350
## 1943	99.97186	0.753147364	0.69861436	0.75231952	0.82710928
## 1944	99.99049	0.039792053	0.47082370	0.42207310	0.60020041
## 1945	99.99382	0.002859706	0.40345061	0.33100900	0.49659353
## 1946	99.94045	0.050835315	0.22618106	0.23349576	0.44544286
## 1947	99.91297	0.217391253	0.33710170	0.36295924	0.60092127
## 1948	99.88228	0.637942970	0.51745439	0.55780691	0.70631379
## 1949	99.84221	0.091515154	0.70928127	0.75317734	0.88732475
## 1950	99.99009	0.572010875	0.39216784	0.48536733	0.48571828
## 1951	99.89831	0.356470913	0.49114877	0.54293132	0.63552922
## 1952	99.95480	0.176650658	0.48756731	0.60069948	0.55360109
## 1953	99.43311	0.384533405	0.20741388	0.17399555	0.23474823
## 1954	99.98871	0.091677912	0.34290111	0.34979197	0.61528152
## 1955	97.84551	0.316903949	0.66434807	0.71575952	0.80953294
## 1956	99.92212	0.058110088	0.55903423	0.59738773	0.74736792
## 1957	99.11935	0.219808951	0.67565084	0.77264833	0.88550019
## 1958	99.79253	0.794454038	0.58105856	0.66706866	0.72170722
## 1959	99.58217	0.979556203	0.54925585	0.65102792	0.67380142
## 1960	99.77193	0.316598296	0.56892347	0.58227682	0.69082659
## 1961	97.19495	0.761280239	0.33746222	0.28930447	0.54394823
## 1962	99.95854	0.662353754	0.25300884	0.28627500	0.39244518
## 1963	99.90601	0.219071731	0.50844192	0.52675229	0.61100316
## 1964	98.29310	0.000130629	0.17110612	0.14726977	0.45332470
## 1965	99.22462	0.121694200	0.58596247	0.62696004	0.66688031
## 1966	99.88330	0.283540308	0.44633269	0.43863916	0.60850853
## 1967	99.39327	0.681203961	0.44795021	0.40432546	0.51630354
## 1968	99.92986	0.666126490	0.38187674	0.38775837	0.46256831
## 1969	99.61256	0.038205933	0.39708799	0.34164482	0.46593562
## 1970	99.15240	0.022026483	0.26082370	0.25458437	0.42794043
## 1971	97.80480	0.181583166	0.53559327	0.54531419	0.69190919
## 1972	99.93957	0.050449237	0.31205988	0.27275863	0.44262835
## 1973	99.97571	0.782631099	0.63004363	0.70848578	0.83748901
## 1974	99.29255	0.102947831	0.29171064	0.25251380	0.46328649
## 1975	99.79356	0.096693292	0.70311016	0.65858257	0.66214204

## 1976	99.74295	0.859846354	0.27372238	0.32070082	0.34933257
## 1977	99.96174	0.004535612	0.27720833	0.25332090	0.51056039
## 1978	99.98437	0.010978673	0.59247327	0.59736848	0.75659496
## 1979	99.74760	0.000923306	0.20480897	0.16144197	0.29307044
## 1980	99.81793	0.108018316	0.37093347	0.33776662	0.54943961
## 1981	99.72841	0.472475916	0.54488123	0.54116178	0.66038388
## 1982	99.89963	0.805494130	0.55920887	0.50055105	0.60550928
## 1983	99.94601	0.041014761	0.76672971	0.82615250	0.80720145
## 1984	99.95519	0.282336831	0.66129124	0.68725699	0.76159310
## 1985	99.95834	0.104960725	0.58591682	0.61426836	0.68937671
## 1986	99.97450	0.013635337	0.34353876	0.35023954	0.61231136
## 1987	99.32182	0.392083615	0.30563104	0.30129376	0.35858724
## 1988	98.78057	0.422349185	0.23237209	0.20270266	0.17252307
## 1989	99.99711	0.445195317	0.51111549	0.47158116	0.68026948
## 1990	99.98697	0.637551904	0.38643324	0.46284044	0.61986780
## 1991	99.88233	0.112940840	0.40472221	0.35647729	0.55550015
## 1992	95.90636	0.058152061	0.69099623	0.76254320	0.88621044
## 1993	99.33806	0.033636488	0.59298897	0.57142621	0.66691506
## 1994	99.56161	0.631994724	0.53131384	0.51852971	0.64039999
## 1995	99.75239	0.008699803	0.37666786	0.38361475	0.41333479
## 1996	99.93332	0.642854631	0.67085046	0.82724208	0.64565301
## 1997	99.96237	0.011420107	0.68986064	0.71574128	0.84323335
## 1998	99.80140	0.332549900	0.51262081	0.56284642	0.74988747
## 1999	99.98473	0.145989567	0.35735902	0.37549809	0.57234949
## 2000	99.83648	0.269630045	0.44907418	0.43223235	0.61821806
## 2001	99.88500	0.000481017	0.23760432	0.25909373	0.27654713
## 2002	97.39396	0.054318666	0.39632300	0.36291573	0.52124244
## 2003	98.93564	0.597494125	0.42596376	0.45925957	0.58625174
## 2004	99.84251	0.108401120	0.66784829	0.71419668	0.81249529
## 2005	99.72432	0.781546056	0.41762024	0.40930325	0.49751517
## 2006	99.38495	0.977562308	0.49346918	0.74925852	0.59705800
## 2007	98.77727	0.082701445	0.59802967	0.63910013	0.68672156
## 2008	99.87468	0.774190903	0.22816236	0.19527134	0.32742557
## 2009	99.95448	0.000846855	0.39534002	0.44569138	0.66111189
## 2010	98.64740	0.799117744	0.37699482	0.38198885	0.53852254
## 2011	99.99204	0.114852704	0.45413932	0.48572102	0.64673775
## 2012	99.81288	0.005379611	0.45675996	0.41642553	0.55364418
## 2013	99.79180	0.414212793	0.64473188	0.72223288	0.79362625
## 2014	99.86741	0.044626549	0.35628852	0.32620841	0.47007611
## 2015	99.97990	0.060842149	0.49193373	0.52116156	0.74051666
## 2016	99.96825	0.242075652	0.69895482	0.74449301	0.87540156
## 2017	99.95201	0.000234426	0.66863251	0.64210177	0.71014762
## 2018	98.54942	0.909747601	0.29930380	0.28286323	0.39928690
## 2019	99.97485	0.104251333	0.72163063	0.76588565	0.80771530
## 2020	99.81474	0.914519191	0.50917810	0.41714695	0.59339082
## 2021	99.82723	0.075972535	0.42309433	0.52332276	0.62824005
## 2022	99.98611	0.098294459	0.29413697	0.27055290	0.46604034
## 2023	99.61500	0.188926548	0.50352466	0.53944427	0.72949725
## 2024	99.97711	0.737329900	0.38628870	0.37815273	0.47947067
## 2025	99.90812	0.082305282	0.41462904	0.38429105	0.57290721
## 2026	99.78885	0.100375183	0.51607251	0.55259121	0.74131292
## 2027	99.88683	0.278195351	0.64371306	0.60268819	0.67918110
## 2028	99.96799	0.147255138	0.53789556	0.46218470	0.58702332
## 2029	99.97187	0.279227823	0.50558269	0.56592482	0.62456906

## 2030	99.69703	0.000513304	0.31167549	0.30566013	0.52033860
## 2031	95.45151	0.972986877	0.15154421	0.11014470	0.12983242
## 2032	99.41092	0.000406603	0.32459903	0.31410602	0.59157789
## 2033	99.55572	0.954162121	0.16042538	0.12034499	0.17495120
## 2034	92.38980	0.562632978	0.50213069	0.55187291	0.62739855
## 2035	99.95967	0.970421851	0.34909573	0.44333983	0.47856602
## 2036	98.39619	0.000055900	0.31226066	0.24764952	0.48332852
## 2037	99.78153	0.023509957	0.31866115	0.26642221	0.52449053
## 2038	99.80527	0.732237101	0.30278707	0.28327510	0.33764046
## 2039	99.97764	0.003679554	0.40805066	0.37573087	0.63077432
## 2040	99.75223	0.088789396	0.42734876	0.45868546	0.68760902
## 2041	99.89548	0.319104880	0.45084539	0.47833788	0.67980784
## 2042	98.65062	0.174026370	0.47821140	0.44784698	0.62281263
## 2043	99.97177	0.643110812	0.44683242	0.43963203	0.52691001
## 2044	98.29328	0.067162350	0.40647155	0.42916855	0.56507391
## 2045	99.98999	0.170514956	0.31109509	0.34202143	0.47008353
## 2046	96.90981	0.605007470	0.76532453	0.75121784	0.62591070
## 2047	99.92067	0.625205636	0.35574195	0.36831674	0.55323678
## 2048	99.31364	0.005050106	0.35024637	0.27883831	0.53463894
## 2049	99.63603	0.024407312	0.99041891	0.97259033	0.81782824
## 2050	97.49907	0.536867917	0.38501701	0.36824447	0.51862735
## 2051	99.88598	0.047456428	0.57896972	0.66498047	0.77425480
## 2052	99.80690	0.441412985	0.46428436	0.49357566	0.69936579
## 2053	99.78814	0.000291972	0.55372953	0.49612981	0.59688735
## 2054	99.76893	0.063472100	0.44661522	0.40963724	0.62439597
## 2055	90.86126	0.060425095	0.31862798	0.37790722	0.36736682
## 2056	99.91476	0.219563887	0.54897368	0.61724067	0.76471931
## 2057	98.53384	0.212796584	0.41430369	0.45005062	0.45801839
## 2058	99.76281	0.018299522	0.53563756	0.58526581	0.75305498
## 2059	99.51363	0.611604154	0.27049571	0.27501708	0.46191889
## 2060	99.93227	0.153351024	0.69789302	0.80466658	0.68442082
## 2061	99.84553	0.352360398	0.32038063	0.37822005	0.40925112
## 2062	99.86500	0.311921448	0.30636257	0.24934997	0.20338360
## 2063	99.98811	0.169151917	0.53821981	0.56006372	0.74049783
## 2064	99.98362	0.034073163	0.85013813	0.88295633	0.92636585
## 2065	99.92737	0.043070309	0.28794220	0.26214019	0.48045480
## 2066	96.01509	0.439498782	0.40058616	0.42196825	0.50754929
## 2067	99.93468	0.036216557	0.27403957	0.26711065	0.47789943
## 2068	99.97148	0.104697287	0.75655401	0.81776875	0.90144300
## 2069	98.31153	0.414580822	0.58891666	0.60108841	0.75249642
## 2070	99.26760	0.311606854	0.27472332	0.26715568	0.46554670
## 2071	99.88568	0.471947968	0.70573699	0.76090842	0.89215219
## 2072	99.82618	0.039710037	0.35432783	0.40537426	0.44475079
## 2073	99.96790	0.896457732	0.36932269	0.38077110	0.55077201
## 2074	99.95616	0.768293262	0.47016811	0.47216639	0.51593208
## 2075	98.96938	0.552246511	0.39365560	0.48041609	0.68678278
## 2076	97.59292	0.232807294	0.36181405	0.36311445	0.58473670
## 2077	99.97113	0.055319142	0.37148169	0.31017754	0.56816971
## 2078	99.88642	0.615498900	0.43650445	0.45819557	0.47937000
## 2079	99.86386	0.419306308	0.47269887	0.56940758	0.61496109
## 2080	99.93064	0.191934422	0.49861610	0.47667220	0.69595391
## 2081	99.98753	0.866905451	0.29948512	0.28533730	0.52316648
## 2082	99.98065	0.036291029	0.60772407	0.69162136	0.82919395
## 2083	99.15781	0.000348520	0.20188862	0.15877232	0.39878526

## 2084	99.84577	0.143208772	0.55765122	0.59762472	0.64876598
## 2085	99.87082	0.884820402	0.31849080	0.32001844	0.51407134
## 2086	98.46555	0.561868727	0.54129285	0.57284379	0.70247734
## 2087	99.99270	0.349802732	0.61517614	0.63884693	0.69053107
## 2088	99.10691	0.787114620	0.42850530	0.48417374	0.55400115
## 2089	99.69048	0.000505340	0.23585083	0.19095708	0.46491507
## 2090	99.93580	0.160793662	0.35388356	0.42148107	0.45047325
## 2091	99.31635	0.596914887	0.58136320	0.53479028	0.71061677
## 2092	99.31361	0.072168276	0.69184274	0.64356071	0.69812769
## 2093	99.84925	0.017762568	0.45408928	0.39499444	0.57032663
## 2094	99.85812	0.014741126	0.69416529	0.78047568	0.59714729
## 2095	99.86823	0.001153253	0.49110088	0.46277779	0.66575474
## 2096	99.85152	0.320540160	0.31145000	0.35061258	0.48402378
## 2097	95.99473	0.714359105	0.37683675	0.36792621	0.61084300
## 2098	99.83322	0.309170812	0.28091499	0.27870023	0.25998727
## 2099	99.78487	0.013274226	0.71487468	0.78987259	0.85683990
## 2100	99.99080	0.017494449	0.71367919	0.69592661	0.76410645
## 2101	99.78324	0.075129934	0.57119083	0.58478737	0.72734958
## 2102	99.84822	0.886977136	0.43772817	0.39569902	0.45946425
## 2103	99.79225	0.205951020	0.51632077	0.53840196	0.69946909
## 2104	99.98450	0.481783926	0.53989708	0.55445194	0.53536385
## 2105	99.74810	0.004150490	0.40055466	0.37464413	0.62926042
## 2106	96.72298	0.697009504	0.42855120	0.42341211	0.41290885
## 2107	99.87075	0.480538696	0.56337500	0.57067704	0.73203570
## 2108	99.98430	0.013415920	0.40401936	0.35158831	0.57749367
## 2109	99.99571	0.344236881	0.51856422	0.50193965	0.65501928
## 2110	98.92331	0.057271916	0.77585816	0.81525683	0.85182190
## 2111	99.35100	0.345820427	0.52997828	0.53253132	0.69217414
## 2112	99.15605	0.774396718	0.42218599	0.47439739	0.39191800
## 2113	95.23379	0.050970975	0.46989700	0.53434885	0.60298777
## 2114	99.91521	0.561705470	0.42710695	0.41418323	0.59187979
## 2115	99.89967	0.562964618	0.44581199	0.51986253	0.69616622
## 2116	98.42223	0.145287290	0.69806856	0.74709117	0.85241580
## 2117	99.19969	0.035450954	0.57375747	0.54029661	0.69142246
## 2118	99.93669	0.088262297	0.61570126	0.67281485	0.76837951
## 2119	99.70829	0.060546860	0.64965928	0.65471453	0.78966200
## 2120	99.54976	0.006609025	0.22273728	0.26038772	0.33973199
## 2121	99.95722	0.026643489	0.26287937	0.27570999	0.41943097
## 2122	99.30283	0.047239143	0.42704356	0.42921084	0.60546905
## 2123	98.03073	0.739236116	0.18194210	0.14589012	0.17837459
## 2124	99.98699	0.526978314	0.61904401	0.68145716	0.80517024
## 2125	99.82818	0.046417851	0.34115866	0.29914752	0.56497514
## 2126	98.19740	0.000008850	0.22730376	0.18057705	0.15891780
## 2127	99.84195	0.701120198	0.42720404	0.45085549	0.67519283
## 2128	99.53243	0.716893613	0.50964201	0.50678748	0.62320739
## 2129	99.76968	0.105039448	0.43440789	0.45653832	0.68020028
## 2130	99.97167	0.049758382	0.64619756	0.66579229	0.76062310
## 2131	99.48132	0.982790053	0.32391906	0.38344824	0.34422419
## 2132	99.69112	0.016158419	0.47186753	0.47902468	0.69829136
## 2133	99.91448	0.031759936	0.36896628	0.36383960	0.56228656
## 2134	99.88881	0.356919825	0.60284817	0.64831877	0.76551926
## 2135	99.67158	0.002259319	0.24577355	0.21003859	0.47567672
## 2136	98.88441	0.150765345	0.29672107	0.32043102	0.44942206
## 2137	96.30645	0.807444334	0.40925789	0.39931345	0.50370342

## 2138	99.83692	0.238207698	0.36700216	0.34719115	0.55664933
## 2139	99.08572	0.491884559	0.58680826	0.58785480	0.76989764
## 2140	99.89396	0.050483130	0.45873314	0.40764454	0.58879477
## 2141	99.99192	0.294814616	0.30359650	0.31310090	0.51227528
## 2142	99.57616	0.000690731	0.24718592	0.21158719	0.45210919
## 2143	99.91253	0.019380096	0.43429968	0.44884595	0.64660490
## 2144	99.83041	0.106169343	0.50181597	0.58598340	0.72753847
## 2145	99.94874	0.566537976	0.50672257	0.49829432	0.65450698
## 2146	98.42168	0.421907723	0.51080143	0.48266599	0.65525997
## 2147	99.01717	0.211915985	0.36827746	0.39501041	0.59024167
## 2148	99.95336	0.368697643	0.31529480	0.31867665	0.44628924
## 2149	99.99165	0.096307054	0.50510198	0.57123631	0.71809566
## 2150	99.80408	0.135919929	0.49318218	0.50711829	0.66353822
## 2151	99.94459	0.026226614	0.35913452	0.32482174	0.58596253
## 2152	99.87251	0.536058068	0.62574816	0.62379646	0.74861056
## 2153	99.32331	0.724536300	0.69679397	0.74209249	0.69697332
## 2154	99.97622	0.059558619	0.79989153	0.76027286	0.76967245
## 2155	95.70578	0.262213171	0.33311606	0.30572400	0.58919179
## 2156	99.90040	0.838570654	0.39599621	0.41756594	0.55342823
## 2157	99.70291	0.768757403	0.26139864	0.24858817	0.34722778
## 2158	99.73242	0.308478266	0.43206853	0.52976614	0.56416661
## 2159	98.52602	0.016528821	0.59886914	0.54109091	0.65829927
## 2160	99.23140	0.603434801	0.50405723	0.59534639	0.59840655
## 2161	99.95747	0.369386286	0.55188412	0.58041865	0.64354461
## 2162	99.86128	0.344118148	0.33689427	0.30393326	0.52648592
## 2163	99.23812	0.406614363	0.19434589	0.23328073	0.23905680
## 2164	99.89880	0.083520837	0.50955117	0.46981743	0.67082560
## 2165	99.81552	0.108945355	0.60977721	0.66659278	0.75850970
## 2166	91.92598	0.012042091	0.50582737	0.49495012	0.63470179
## 2167	94.66022	0.040645104	0.74555379	0.77601373	0.87612808
## 2168	99.24158	0.611772776	0.66169894	0.71262294	0.61005664
## 2169	99.79996	0.071854129	0.37303230	0.37341475	0.52452880
## 2170	99.93359	0.066536479	0.43579373	0.42782637	0.57677686
## 2171	99.56217	0.039971307	0.27166647	0.27630001	0.33092874
## 2172	99.95334	0.254667222	0.46998900	0.54378974	0.54597783
## 2173	99.17144	0.400158733	0.39907458	0.34904283	0.57045031
## 2174	98.72382	0.944386482	0.31049356	0.23763798	0.33704215
## 2175	98.34570	0.124425747	0.51166308	0.45693281	0.61019397
## 2176	99.91785	0.139015287	0.37253353	0.37950048	0.56865692
## 2177	98.43147	0.052708205	0.33526587	0.33832475	0.44567260
## 2178	99.87906	0.751765728	0.42324686	0.43575978	0.49424216
## 2179	99.79894	0.689233840	0.43842366	0.57224083	0.54812008
## 2180	99.52254	0.994130015	0.54440743	0.68899655	0.63732290
## 2181	98.81591	0.059775241	0.43471470	0.36694530	0.57653868
## 2182	99.80792	0.559175611	0.53769881	0.53249872	0.70568019
## 2183	99.80839	0.902371824	0.33374184	0.42035365	0.37792927
## 2184	99.99519	0.111344136	0.37282991	0.32877445	0.58256817
## 2185	99.96541	0.039030913	0.58537561	0.54854828	0.70964760
## 2186	99.86839	0.366152257	0.72699684	0.70765531	0.72285503
## 2187	99.96169	0.774658144	0.33568254	0.36538306	0.33773115
## 2188	98.56571	0.741854668	0.46545482	0.53627121	0.47072414
## 2189	99.99138	0.697544694	0.58273363	0.67387217	0.72917807
## 2190	99.88192	0.945137143	0.23646964	0.29029596	0.27977184
## 2191	99.96411	0.318124950	0.43592832	0.39942881	0.55228239

## 2192	99.97644	0.002029551	0.46943352	0.45759317	0.68087953
## 2193	99.24106	0.216755018	0.48231405	0.54752713	0.44606218
## 2194	99.98507	0.032620903	0.24311049	0.23158781	0.36991188
## 2195	99.33418	0.000058600	0.23092869	0.21550168	0.36441344
## 2196	99.89882	0.388056546	0.41904989	0.55123180	0.49086347
## 2197	99.95250	0.466823399	0.50517941	0.60151601	0.66639435
## 2198	99.66668	0.341457427	0.64418352	0.68669981	0.72791064
## 2199	99.79002	0.588663518	0.51185072	0.49424803	0.71804231
## 2200	99.20437	0.990279019	0.26550633	0.19956420	0.31484470
## 2201	98.24341	0.974785745	0.29114252	0.26437709	0.49271074
## 2202	99.68558	0.117881350	0.36195412	0.39472169	0.51309204
## 2203	98.31298	0.290877998	0.29710266	0.33299071	0.29322588
## 2204	98.63282	0.116341986	0.48513889	0.44516647	0.62443739
## 2205	99.96610	0.348123908	0.59125233	0.66916663	0.76657879
## 2206	99.75600	0.293188453	0.31174043	0.31833482	0.47166365
## 2207	96.15419	0.287946612	0.47323474	0.55724651	0.54453015
## 2208	99.98084	0.318214625	0.63394344	0.68987411	0.81016755
## 2209	99.99749	0.256986439	0.50174588	0.45170206	0.61075640
## 2210	99.93369	0.034905396	0.72149152	0.74197841	0.83628845
## 2211	99.95334	0.016455403	0.67535490	0.70029318	0.80093020
## 2212	99.62177	0.420012742	0.41040051	0.44912493	0.36895758
## 2213	99.93125	0.858261406	0.53294474	0.52262026	0.64446366
## 2214	99.98925	0.082981624	0.26551321	0.24413209	0.42767841
## 2215	99.99748	0.260405034	0.56273341	0.59246385	0.70648050
## 2216	99.88055	0.393382281	0.62290335	0.68067586	0.81710696
## 2217	99.67069	0.912333608	0.25046703	0.23942542	0.43023840
## 2218	99.50084	0.641623318	0.60952562	0.68639702	0.72668272
## 2219	99.92077	0.200689703	0.52689654	0.56194955	0.73704749
## 2220	99.30074	0.187282935	0.46420523	0.51852536	0.53008276
## 2221	93.55849	0.056549948	0.88562936	0.90102083	0.78388375
## 2222	99.82546	0.173775062	0.49958464	0.57253367	0.45791754
## 2223	99.44530	0.429884642	0.62361032	0.71511489	0.71037871
## 2224	99.89978	0.036923073	0.51132894	0.56215066	0.39541641
## 2225	99.99500	0.841631830	0.38183302	0.47614393	0.49957377
## 2226	99.49302	0.084211871	0.43418002	0.46339598	0.69007474
## 2227	99.94992	0.995736301	0.22737969	0.17099024	0.38434595
## 2228	99.71196	0.395028293	0.44469881	0.45617282	0.54976302
## 2229	99.41328	0.063776024	0.39467454	0.35338476	0.59431928
## 2230	99.96442	0.025000509	0.38225311	0.43558922	0.53352451
## 2231	99.80607	0.001228629	0.23874100	0.20787348	0.36177665
## 2232	99.96370	0.013381161	0.57620341	0.63755667	0.80663645
## 2233	99.78127	0.066521958	0.56715387	0.61342329	0.76470673
## 2234	99.23212	0.594766855	0.30903739	0.35374692	0.50221068
## 2235	97.73158	0.007216147	0.37280220	0.39066890	0.56805873
## 2236	99.19354	0.407824397	0.54209197	0.62652641	0.53378981
## 2237	99.61225	0.005641003	0.41614097	0.38501254	0.62043536
## 2238	99.93727	0.000700186	0.26558444	0.23082080	0.26440680
## 2239	99.73216	0.012073191	0.29699352	0.26315978	0.54923314
## 2240	99.93180	0.000087700	0.25060001	0.23586202	0.48355931
## 2241	99.97816	0.039994773	0.34305909	0.32820603	0.58992267
## 2242	99.99877	0.746038079	0.33005151	0.38674530	0.49965504
## 2243	99.95010	0.844394863	0.38945431	0.42290750	0.63390863
## 2244	99.99165	0.657582045	0.44319809	0.38116741	0.52470708
## 2245	99.95827	0.018308748	0.22412379	0.19156113	0.39495552

## 2246	99.95439	0.000890817	0.23270902	0.21385381	0.40620685
## 2247	99.97423	0.326022357	0.47788161	0.51538289	0.70300347
## 2248	98.70788	0.337642431	0.47545666	0.44346851	0.52347541
## 2249	99.75182	0.005120444	0.29055673	0.36574364	0.42875248
## 2250	97.81982	0.299141139	0.34725988	0.35033777	0.51050919
## 2251	99.88467	0.678931773	0.57663459	0.60999787	0.70816320
## 2252	99.81133	0.080422871	0.56644124	0.59889710	0.76631886
## 2253	99.33486	0.855900645	0.43932179	0.40712565	0.58964926
## 2254	99.59615	0.762259126	0.30528653	0.28541902	0.41707349
## 2255	99.79846	0.604632139	0.48376542	0.50303405	0.67457664
## 2256	99.97533	0.045343436	0.36171228	0.43406758	0.38124448
## 2257	99.87331	0.459836930	0.45154065	0.46830601	0.51499456
## 2258	99.87068	0.040722966	0.28939831	0.26503789	0.48741520
## 2259	98.68094	0.914752185	0.35989478	0.39392456	0.51707560
## 2260	97.04000	0.032375339	0.34734929	0.36430094	0.58028710
## 2261	99.92250	0.007100296	0.23463429	0.22454531	0.43839285
## 2262	99.88674	0.000096600	0.29272726	0.26232320	0.46523786
## 2263	99.97354	0.122487381	0.48435000	0.42072865	0.54879481
## 2264	99.82999	0.276321620	0.55301446	0.54874062	0.68391204
## 2265	99.98630	0.017446188	0.58058345	0.59616768	0.74991018
## 2266	99.85015	0.040141985	0.36641035	0.32985100	0.36348605
## 2267	99.98251	0.199919224	0.46787444	0.48972312	0.40269059
## 2268	99.55276	0.522687495	0.27346215	0.25901493	0.44742477
## 2269	99.86134	0.116219640	0.38043156	0.38379356	0.51493490
## 2270	98.64103	0.001529904	0.37688714	0.34627137	0.61330932
## 2271	99.70405	0.011645381	0.42400607	0.42032716	0.65897423
## 2272	99.98777	0.588345945	0.42002702	0.47434983	0.68914551
## 2273	99.83120	0.702327669	0.58864093	0.67775357	0.78345704
## 2274	99.76844	0.248468384	0.60821533	0.66413653	0.79658836
## 2275	99.36378	0.379924625	0.42682764	0.49590126	0.51396483
## 2276	99.49406	0.235122681	0.45939937	0.62549829	0.52513719
## 2277	99.98908	0.722036242	0.60953623	0.67932785	0.75720042
## 2278	99.93515	0.120406456	0.48305523	0.49667174	0.63707626
## 2279	99.97519	0.003442967	0.56135124	0.56980336	0.71378177
## 2280	99.78813	0.011760791	0.27363247	0.27961177	0.43330160
## 2281	99.99159	0.065764926	0.32186979	0.32068905	0.52106357
## 2282	99.76826	0.000337649	0.23086371	0.19309422	0.34964645
## 2283	99.98725	0.034421541	0.28918973	0.24882539	0.47461060
## 2284	99.61134	0.638862908	0.51273751	0.57038075	0.57751751
## 2285	99.92298	0.006391709	0.21290501	0.22791186	0.34590021
## 2286	99.96562	0.042253908	0.42727113	0.50005674	0.59279454
## 2287	99.03635	0.008971242	0.29665262	0.25829336	0.52869570
## 2288	99.82318	0.016793935	0.79089671	0.82266855	0.93194300
## 2289	99.43757	0.645668924	0.46162882	0.52524954	0.60897475
## 2290	99.97457	0.437220693	0.54902059	0.68304783	0.61252040
## 2291	99.97073	0.364594609	0.28484890	0.25541240	0.53040767
## 2292	99.61207	0.775068521	0.41003621	0.37715685	0.46007448
## 2293	99.46347	0.218273804	0.42718548	0.40391243	0.58919257
## 2294	99.33143	0.192505375	0.60213929	0.59741855	0.77368021
## 2295	92.39765	0.020596180	0.57233971	0.74990308	0.74835128
## 2296	98.34251	0.482076705	0.24649119	0.27109644	0.27211162
## 2297	99.29887	0.215029463	0.46477374	0.55538845	0.53449261
## 2298	99.94618	0.489517152	0.60880637	0.64958036	0.71976811
## 2299	99.72946	0.190994084	0.56057650	0.58996481	0.73676938

## 2300	99.97959	0.248313159	0.57222748	0.66313869	0.57567692
## 2301	99.86954	0.838545859	0.51820731	0.63865680	0.60106874
## 2302	99.90908	0.340349317	0.49567026	0.48445490	0.64548582
## 2303	95.16470	0.025298221	0.52413017	0.52412653	0.70603311
## 2304	98.74687	0.498246998	0.55154729	0.63190424	0.72180873
## 2305	99.75453	0.002110677	0.67101484	0.68558538	0.40862438
## 2306	99.92902	0.533298373	0.20868240	0.17644152	0.22464034
## 2307	99.89307	0.358080119	0.31332171	0.26043189	0.44381872
## 2308	99.95349	0.005238338	0.47751176	0.49360094	0.67842615
## 2309	98.79495	0.364632308	0.53835368	0.60691541	0.67652082
## 2310	99.50300	0.063360654	0.49984765	0.52353799	0.49999401
## 2311	99.92480	0.000065400	0.38607109	0.34591979	0.46986231
## 2312	99.93324	0.317828417	0.52430749	0.55080819	0.75415289
## 2313	97.92110	0.036270920	0.76342249	0.78655797	0.86400491
## 2314	99.59831	0.000109747	0.22410542	0.24384779	0.25848958
## 2315	94.54829	0.666774333	0.62902814	0.54619199	0.56719828
## 2316	99.91168	0.448756218	0.16450843	0.14254957	0.30601868
## 2317	99.88297	0.000080300	0.34520531	0.33701807	0.61196488
## 2318	99.95588	0.192232355	0.59386337	0.60174489	0.71312785
## 2319	99.26565	0.051106784	0.39179504	0.38845757	0.62163645
## 2320	99.12812	0.394768864	0.45148948	0.50106704	0.60654134
## 2321	99.99919	0.588192165	0.39336464	0.42657328	0.41791204
## 2322	99.91553	0.286683679	0.42451388	0.43166429	0.46042633
## 2323	91.41602	0.313310236	0.43665469	0.47411978	0.63858366
## 2324	99.78107	0.467272937	0.69693190	0.70635331	0.74784082
## 2325	99.73781	0.035918549	0.30025640	0.28284943	0.46333781
## 2326	99.65174	0.988279164	0.17417222	0.23142627	0.32985485
## 2327	99.98708	0.159216076	0.52193212	0.48287207	0.60566008
## 2328	99.93664	0.022988968	0.45779818	0.52419382	0.35367706
## 2329	99.97986	0.291026741	0.60724086	0.64617449	0.69668913
## 2330	99.97802	0.310411334	0.44062874	0.50833660	0.65292811
## 2331	99.73130	0.021063913	0.20036507	0.16231801	0.42636779
## 2332	99.88154	0.006937538	0.26100767	0.28079820	0.42535025
## 2333	97.99294	0.220760390	0.54449665	0.57839000	0.72599375
## 2334	99.96648	0.017138120	0.41118315	0.36341819	0.56246680
## 2335	99.81183	0.008625178	0.42810175	0.42543137	0.62278974
## 2336	98.39077	0.000245785	0.32865721	0.33206230	0.29493839
## 2337	99.58550	0.320385724	0.39810512	0.53361750	0.53991413
## 2338	99.91201	0.137192145	0.57493734	0.72297573	0.62148756
## 2339	99.42125	0.098801114	0.67640650	0.73889583	0.87784511
## 2340	99.28408	0.776853323	0.42100593	0.48093298	0.48504394
## 2341	99.94769	0.610882938	0.57457501	0.59181243	0.73209804
## 2342	99.93521	0.867599368	0.50862336	0.47075456	0.55207163
## 2343	99.76484	0.640648484	0.49715295	0.52362251	0.64901304
## 2344	95.32452	0.262265980	0.45082817	0.43887883	0.65689927
## 2345	99.36368	0.010169538	0.28700316	0.23574834	0.45295286
## 2346	99.98146	0.002208218	0.45448908	0.47039947	0.66557789
## 2347	99.80547	0.001156465	0.39246711	0.39159435	0.59388494
## 2348	99.68908	0.246423110	0.58483684	0.64982343	0.80310684
## 2349	99.91901	0.395869046	0.25019047	0.23375534	0.40279120
## 2350	99.21575	0.005136312	0.53673130	0.61435604	0.72552794
## 2351	99.80946	0.874952614	0.66508234	0.78828025	0.65893447
## 2352	99.56578	0.040234338	0.63671017	0.66957700	0.73399723
## 2353	99.97886	0.279559970	0.25493643	0.29097187	0.26570749

## 2354	99.99510	0.964166939	0.35396469	0.35991123	0.40477526
## 2355	99.91471	0.120692849	0.28010201	0.26166189	0.44745490
## 2356	98.76055	0.015897084	0.09923781	0.07861066	0.16725995
## 2357	99.99307	0.848284245	0.61416113	0.56595653	0.61462611
## 2358	99.94692	0.001683614	0.41186926	0.35901347	0.53173834
## 2359	99.75085	0.099578537	0.67759103	0.72622532	0.85888588
## 2360	99.94365	0.027310967	0.61927211	0.60062844	0.73186785
## 2361	99.73529	0.798680305	0.74251372	0.83074677	0.94467050
## 2362	99.34997	0.207489774	0.32418290	0.30094144	0.43892533
## 2363	99.98767	0.008225410	0.38827360	0.33529821	0.58615142
## 2364	99.91861	0.111247979	0.40036672	0.39743036	0.59127980
## 2365	98.96464	0.062844530	0.43747359	0.47993153	0.64487237
## 2366	99.88910	0.768507838	0.48615584	0.54477668	0.57961100
## 2367	97.47634	0.038888790	0.51599371	0.47264716	0.60818785
## 2368	99.84737	0.177261367	0.65186536	0.62544137	0.73921734
## 2369	99.98044	0.186626568	0.46495700	0.48881718	0.67730719
## 2370	99.99878	0.177877739	0.28036061	0.31607738	0.38871929
## 2371	94.28829	0.008385010	0.65019077	0.64282221	0.73698878
## 2372	99.60215	0.777981997	0.37586728	0.37423286	0.58982462
## 2373	99.80015	0.990281343	0.19372870	0.15210688	0.25462025
## 2374	99.46536	0.598670959	0.50879872	0.67417753	0.76250619
## 2375	99.99097	0.000792277	0.74600154	0.78039139	0.82991743
## 2376	99.45690	0.110399187	0.51391298	0.60035139	0.68903220
## 2377	99.65748	0.447126687	0.66199499	0.73691398	0.75954622
## 2378	99.95826	0.532074392	0.46865997	0.49054998	0.47832340
## 2379	99.88167	0.673859477	0.29219574	0.25425059	0.43192616
## 2380	99.89825	0.093998827	0.63353002	0.64009958	0.78723282
## 2381	97.73313	0.008426548	0.87551284	0.92095375	0.95417279
## 2382	99.95940	0.614482641	0.30967432	0.30968717	0.48984256
## 2383	99.89385	0.011131043	0.38739696	0.38826242	0.36075285
## 2384	99.93352	0.551473498	0.47917312	0.52261740	0.67750996
## 2385	99.89616	0.200928450	0.64246553	0.70988536	0.80824781
## 2386	99.54018	0.291137338	0.54116339	0.59950852	0.75784653
## 2387	99.58111	0.216273770	0.47724545	0.55598056	0.50161827
## 2388	99.69901	0.768487692	0.43516567	0.49422002	0.50033635
## 2389	99.66441	0.260092676	0.56216246	0.56788552	0.66639334
## 2390	99.98477	0.024735833	0.38002545	0.34509474	0.60975254
## 2391	99.95771	0.008664167	0.47696984	0.43796891	0.66640633
## 2392	96.51213	0.278639734	0.53730279	0.52328938	0.70713347
## 2393	99.16339	0.692182600	0.57623822	0.64324731	0.67795205
## 2394	99.99166	0.004480753	0.45285505	0.46624920	0.59291846
## 2395	99.49520	0.259840757	0.25932354	0.31389105	0.28312856
## 2396	99.98694	0.053945847	0.39810571	0.35498038	0.58676225
## 2397	99.77444	0.288714498	0.73371297	0.81522566	0.94886094
## 2398	99.83068	0.207758248	0.40985998	0.39628342	0.52701807
## 2399	99.95924	0.214918643	0.62645429	0.68208021	0.77016455
## 2400	99.99546	0.574158311	0.60666633	0.65122747	0.80238289
## 2401	99.76123	0.793348670	0.25614604	0.32882038	0.29842082
## 2402	99.99092	0.496880919	0.63518059	0.57750976	0.64486414
## 2403	99.77369	0.006776380	0.67748541	0.74453390	0.88152283
## 2404	99.96026	0.005447513	0.44962663	0.46841326	0.64532197
## 2405	99.88129	0.000006710	0.30332166	0.25418794	0.51987070
## 2406	99.90393	0.772030354	0.46585637	0.50149024	0.66761160
## 2407	99.97604	0.002622336	0.34660369	0.36905557	0.49095762

## 2408	99.98810	0.427177608	0.53169531	0.58599091	0.63696909
## 2409	99.89830	0.850414991	0.57078260	0.70430976	0.56983358
## 2410	99.28050	0.014124655	0.38935000	0.39069480	0.57689750
## 2411	99.83661	0.072626509	0.25291750	0.20169717	0.41310686
## 2412	98.93464	0.880194187	0.43276423	0.57407194	0.64625996
## 2413	99.96573	0.266243488	0.76915681	0.81936592	0.93388903
## 2414	99.70404	0.010855298	0.37029809	0.34174037	0.59302598
## 2415	99.85607	0.654959202	0.60241526	0.59614658	0.75530040
## 2416	99.76481	0.007924982	0.35300571	0.34342846	0.54436487
## 2417	99.05025	0.012189941	0.40958670	0.35285589	0.52249062
## 2418	99.97992	0.032583583	0.35441986	0.29422477	0.54527980
## 2419	99.96906	0.000812699	0.27073792	0.21885343	0.44282845
## 2420	99.86539	0.002859776	0.72479820	0.81789184	0.84863985
## 2421	99.72039	0.084039897	0.65482563	0.65977639	0.71962619
## 2422	98.23314	0.005647809	0.35265246	0.33845830	0.49347010
## 2423	99.98832	0.011969104	0.22083060	0.18958148	0.42845246
## 2424	99.98368	0.634705365	0.48098236	0.61003703	0.63134170
## 2425	99.98084	0.278033584	0.18871096	0.16374062	0.14399615
## 2426	99.60525	0.984231710	0.32665345	0.35902196	0.37472823
## 2427	97.72856	0.128797248	0.63434511	0.70155638	0.79979217
## 2428	99.52243	0.658182740	0.39937142	0.51646393	0.68652165
## 2429	99.79212	0.323978126	0.55600399	0.51994276	0.67702699
## 2430	99.94632	0.473596096	0.60654122	0.65630996	0.78164762
## 2431	98.18286	0.248247609	0.45819300	0.42106637	0.65003061
## 2432	99.99902	0.097197972	0.54764706	0.55329275	0.69934916
## 2433	99.82832	0.130387679	0.33503038	0.35893193	0.53519368
## 2434	99.84662	0.447545767	0.46191701	0.48297685	0.51176268
## 2435	99.88591	0.258417249	0.45421579	0.45037994	0.68873036
## 2436	99.61973	0.165654376	0.61779904	0.68287307	0.79061037
## 2437	99.97968	0.015832301	0.49423826	0.52234799	0.68788969
## 2438	99.99615	0.001724007	0.35784382	0.30810127	0.46217820
## 2439	99.98966	0.618573666	0.27785525	0.27453157	0.45509753
## 2440	99.96719	0.198933616	0.50161499	0.54237914	0.67565137
## 2441	99.87111	0.023484947	0.61934733	0.61146611	0.74086446
## 2442	99.84909	0.611504138	0.67760968	0.76991230	0.79441351
## 2443	98.21066	0.765494108	0.37496445	0.32398346	0.50705349
## 2444	99.26655	0.991873503	0.28787655	0.34683186	0.29883414
## 2445	97.48086	0.995600224	0.42472875	0.54946244	0.43525612
## 2446	99.85755	0.371724457	0.64805239	0.70093250	0.78421384
## 2447	99.75182	0.345251173	0.51335287	0.57685399	0.70667678
## 2448	99.81874	0.283279002	0.50882602	0.56197470	0.70134145
## 2449	93.80017	0.605325222	0.50330794	0.54598367	0.68003762
## 2450	99.67535	0.002675230	0.48703706	0.54645360	0.42697224
## 2451	99.95879	0.000200024	0.43927392	0.39536047	0.50525689
## 2452	99.65071	0.755835652	0.57705450	0.67032689	0.80884594
## 2453	99.90472	0.095745511	0.59948075	0.63174778	0.79947192
## 2454	99.85314	0.684934497	0.33735573	0.38476899	0.60443824
## 2455	99.53567	0.469187468	0.65732896	0.80234557	0.76342606
## 2456	99.90107	0.031401981	0.50496370	0.47888073	0.66494894
## 2457	99.91324	0.000025700	0.24279980	0.22382557	0.47611052
## 2458	98.53252	0.781412721	0.22768988	0.23762909	0.38316003
## 2459	99.26431	0.859282911	0.42470890	0.41271084	0.63148361
## 2460	99.92590	0.004508638	0.64798451	0.66756141	0.80488187
## 2461	99.70889	0.240865305	0.45044640	0.47036201	0.64803582

## 2462	99.88823	0.334174901	0.44893298	0.54933059	0.52727073
## 2463	99.93533	0.024245488	0.72637755	0.73726457	0.78877997
## 2464	97.12764	0.208744287	0.78011286	0.78969622	0.86684114
## 2465	99.99889	0.008011973	0.76947725	0.77558488	0.85577500
## 2466	99.99145	0.028948279	0.39017975	0.38719267	0.41304254
## 2467	99.49352	0.917816043	0.33589631	0.42655224	0.43560693
## 2468	98.89900	0.384931952	0.72998613	0.71894461	0.77142614
## 2469	99.90451	0.027984483	0.29554516	0.26584867	0.33900708
## 2470	98.74894	0.022065172	0.16957857	0.16336848	0.31223273
## 2471	99.72980	0.391618699	0.55001968	0.66982085	0.67661339
## 2472	99.70408	0.027884159	0.52592212	0.57742447	0.66217822
## 2473	99.77896	0.563595653	0.14754245	0.11313084	0.14175917
## 2474	99.94980	0.041230403	0.57874566	0.54317820	0.72335988
## 2475	99.78783	0.000338570	0.18584549	0.18036891	0.27606505
## 2476	99.90411	0.216218621	0.56723332	0.56200069	0.75050616
## 2477	99.96412	0.033729583	0.61618275	0.64142257	0.79408318
## 2478	99.97850	0.474971533	0.24647194	0.22794868	0.30453393
## 2479	99.96968	0.037050910	0.54657012	0.60889369	0.76781338
## 2480	99.91811	0.038118288	0.44008333	0.38044688	0.54436618
## 2481	99.94917	0.167025834	0.54901773	0.54798621	0.68005383
## 2482	99.77506	0.238673508	0.22636034	0.17390370	0.29815999
## 2483	98.61875	0.061576128	0.39683592	0.43409246	0.50003195
## 2484	99.84253	0.991651475	0.17149621	0.13196735	0.21468192
## 2485	99.88346	0.001566127	0.28934443	0.25198668	0.50949365
## 2486	99.71870	0.616247952	0.33244923	0.37826332	0.38868323
## 2487	98.53586	0.522697330	0.41159770	0.46122178	0.66585559
## 2488	99.31537	0.009998523	0.47972530	0.56391656	0.49690098
## 2489	99.98013	0.015059859	0.41271883	0.48445666	0.48674417
## 2490	99.95600	0.006160242	0.50950819	0.52578503	0.72480333
## 2491	99.98302	0.139574975	0.32806328	0.36615801	0.48154414
## 2492	99.85439	0.562072694	0.55747187	0.61270118	0.72534299
## 2493	99.98310	0.425260127	0.63845187	0.71611637	0.70244503
## 2494	99.91887	0.011617479	0.30648276	0.29556724	0.58510643
## 2495	99.81553	0.022286050	0.32580578	0.32401800	0.50222802
## 2496	99.92558	0.000014100	0.29861674	0.24864058	0.46665102
## 2497	99.66850	0.845163584	0.32354981	0.28322694	0.22284514
## 2498	99.98943	0.944574177	0.41825509	0.50231141	0.42608285
## 2499	99.62949	0.033656612	0.47351763	0.43077105	0.59619445
## 2500	97.34886	0.005187964	0.40940428	0.37888962	0.63309318
## 2501	99.98622	0.131275788	0.31748453	0.34288317	0.37126884
## 2502	99.91378	0.482897192	0.23277742	0.17999220	0.24172889
## 2503	99.06505	0.105928436	0.67423648	0.77778029	0.88302666
## 2504	99.99549	0.391186595	0.47873658	0.53614062	0.60737562
## 2505	98.62371	0.064480439	0.39929596	0.37658718	0.60899127
## 2506	99.53214	0.306623280	0.34630561	0.30639365	0.51038736
## 2507	99.99049	0.441096783	0.32800084	0.34270605	0.54973084
## 2508	99.95871	0.794989467	0.33553165	0.31813186	0.38840350
## 2509	99.27629	0.525440276	0.62141919	0.66838884	0.70253199
## 2510	99.94478	0.000817182	0.57524216	0.67353332	0.67989552
## 2511	98.35392	0.256390482	0.60732502	0.65847760	0.70352501
## 2512	99.69934	0.845270693	0.48893085	0.54470831	0.67502666
## 2513	99.67328	0.346759647	0.57543099	0.75197905	0.71175134
## 2514	99.41632	0.000100648	0.41462144	0.37766334	0.58800280
## 2515	99.85682	0.084313303	0.51241201	0.62783438	0.74475068

## 2516	99.96113	0.138224930	0.40685490	0.45307571	0.43535250
## 2517	99.81215	0.016123099	0.20219053	0.17188384	0.39369884
## 2518	98.31058	0.728586733	0.36491957	0.31401399	0.43939999
## 2519	98.84019	0.502022862	0.39546299	0.46140972	0.53995037
## 2520	95.85517	0.561078310	0.38905090	0.43854111	0.55668294
## 2521	98.96525	0.200132281	0.50886428	0.64661670	0.52285391
## 2522	97.25178	0.220757395	0.64683890	0.64453107	0.75414556
## 2523	99.98363	0.113633826	0.36538971	0.40558976	0.59729242
## 2524	99.98280	0.059515592	0.58196861	0.64481032	0.72555226
## 2525	99.58838	0.057946544	0.21043265	0.16928239	0.31858259
## 2526	99.89539	0.032354999	0.63311821	0.67424655	0.82118416
## 2527	99.90434	0.564940989	0.50858045	0.58739740	0.71723986
## 2528	99.14891	0.337174356	0.51887888	0.61765784	0.48190892
## 2529	99.89305	0.270977259	0.30131355	0.27029148	0.51836085
## 2530	99.95205	0.023650760	0.47195825	0.46926019	0.67519474
## 2531	99.92214	0.460903734	0.44490951	0.45421389	0.62490958
## 2532	99.87387	0.008207631	0.24051644	0.21938166	0.39974955
## 2533	99.20527	0.009808889	0.38257748	0.34878626	0.59545892
## 2534	99.99345	0.031392407	0.63603747	0.61610687	0.77118343
## 2535	99.29640	0.024977434	0.83408701	0.86297601	0.96333218
## 2536	99.99725	0.530244172	0.37707367	0.45466030	0.51088095
## 2537	99.89320	0.082154430	0.54034120	0.54505193	0.63969487
## 2538	99.12175	0.063678697	0.48863754	0.61779761	0.71090519
## 2539	99.63300	0.171323314	0.55540574	0.55625206	0.60490090
## 2540	96.26388	0.100013033	0.81586134	0.82214224	0.84381878
## 2541	99.88961	0.036290839	0.27785832	0.24997178	0.49620035
## 2542	96.93063	0.115276508	0.69317138	0.73589522	0.85130578
## 2543	99.97544	0.062984116	0.48930711	0.44953239	0.62519348
## 2544	99.83654	0.330121130	0.29649004	0.28173742	0.51683378
## 2545	99.94315	0.581174791	0.66258025	0.70865011	0.80758023
## 2546	96.01883	0.722547233	0.68206084	0.73988795	0.76828134
## 2547	99.99331	0.886552870	0.54081923	0.62207407	0.72782296
## 2548	99.93803	0.019763533	0.49853072	0.45893452	0.66811061
## 2549	99.65415	0.027042642	0.41633856	0.41523939	0.55269581
## 2550	99.59410	0.173820838	0.33451489	0.36618641	0.60272640
## 2551	99.68690	0.222464964	0.67035258	0.74612856	0.62912452
## 2552	99.91556	0.007943603	0.36238235	0.36730045	0.57115066
## 2553	99.97679	0.159347326	0.35479248	0.41272274	0.53632021
## 2554	99.29480	0.682764053	0.61137199	0.68441522	0.74832863
## 2555	99.72088	0.384262919	0.43382582	0.49625695	0.61065179
## 2556	99.76095	0.003961999	0.28093317	0.25883767	0.32684895
## 2557	99.91781	0.618770659	0.52905589	0.55597663	0.70672065
## 2558	99.97978	0.588457286	0.38955197	0.49099544	0.43219086
## 2559	99.93697	0.129462644	0.41248804	0.47967631	0.58567494
## 2560	99.25929	0.217010021	0.28950271	0.28926131	0.54991227
## 2561	98.46588	0.201977938	0.58511072	0.63040590	0.72798020
## 2562	99.98428	0.291967094	0.50876766	0.52705210	0.65441722
## 2563	99.63671	0.234426841	0.59499121	0.63028127	0.70135754
## 2564	99.97263	0.144957125	0.44456297	0.46524775	0.64553285
## 2565	99.98239	0.256134450	0.33849749	0.31091371	0.47119880
## 2566	99.97032	0.106882870	0.60954511	0.68921876	0.81657571
## 2567	99.91676	0.589740872	0.58689725	0.64687252	0.73731595
## 2568	99.95753	0.192499161	0.53742307	0.63003075	0.69604558
## 2569	96.99775	0.020224927	0.30144560	0.26162207	0.46909887

## 2570	99.76012	0.129152834	0.24258172	0.24947460	0.31327239
## 2571	99.78701	0.022063961	0.46820650	0.51312006	0.70211780
## 2572	99.08719	0.038878709	0.42426229	0.44859922	0.63605255
## 2573	99.86097	0.027819624	0.58234698	0.65009028	0.54131043
## 2574	99.98142	0.041145097	0.52399558	0.55141061	0.69879061
## 2575	99.70676	0.631368697	0.45107538	0.44522867	0.63116545
## 2576	99.98001	0.839900076	0.39792597	0.46677986	0.47662589
## 2577	99.98980	0.121502601	0.41838646	0.45789581	0.56678695
## 2578	99.96925	0.016821705	0.39066577	0.39007243	0.63354689
## 2579	99.99020	0.119913571	0.32458854	0.29288378	0.57624286
## 2580	98.31916	0.633001864	0.55150902	0.50964087	0.66698468
## 2581	99.72986	0.338566810	0.74921179	0.79314244	0.90658337
## 2582	99.78789	0.779047549	0.50089139	0.60621530	0.58891779
## 2583	97.88937	0.635390162	0.68345207	0.67236060	0.75914949
## 2584	99.83036	0.032662865	0.67083663	0.74055928	0.85925031
## 2585	98.88315	0.042801451	0.42037010	0.47598651	0.38208810
## 2586	99.97356	0.151258990	0.36660668	0.34451777	0.38536924
## 2587	99.88713	0.707843184	0.61697763	0.63909072	0.80642486
## 2588	99.99135	0.074266680	0.35426390	0.42329845	0.48133203
## 2589	99.84916	0.546501815	0.62732548	0.66729295	0.81228131
## 2590	99.76426	0.124386348	0.53698546	0.56279898	0.52310455
## 2591	99.99716	0.031087147	0.70936257	0.74411267	0.86391890
## 2592	98.57638	0.001176003	0.30890575	0.38980436	0.39094910
## 2593	99.87133	0.001707313	0.24174391	0.19758515	0.33906117
## 2594	99.75221	0.499633998	0.40903726	0.40786350	0.55878443
## 2595	99.92198	0.031575032	0.77710241	0.73919624	0.83839941
## 2596	99.52349	0.709536314	0.38416955	0.38730526	0.52102452
## 2597	97.33007	0.168341100	0.52164692	0.48867580	0.61082190
## 2598	99.96269	0.334623963	0.38237140	0.45924619	0.43507996
## 2599	99.59675	0.442679644	0.43517548	0.41925323	0.65410751
## 2600	99.09501	0.000241651	0.52496195	0.50976688	0.64380384
## 2601	99.90554	0.000535308	0.28285417	0.27164900	0.46434775
## 2602	99.97179	0.227696657	0.57483923	0.64572108	0.72490996
## 2603	99.93682	0.015573403	0.41477263	0.41080529	0.60493410
## 2604	99.05646	0.203375503	0.49760222	0.48611066	0.69425094
## 2605	98.99676	0.800568223	0.16657285	0.12870327	0.17054853
## 2606	99.78319	0.140652195	0.15998287	0.12310893	0.23443842
## 2607	99.80699	0.033992596	0.47841469	0.59269613	0.51693529
## 2608	99.94546	0.895490110	0.28584105	0.32629407	0.29742038
## 2609	99.68371	0.853838682	0.56165016	0.72326058	0.65434647
## 2610	99.65359	0.003701645	0.55337149	0.53757203	0.72953892
## 2611	99.45046	0.850844502	0.44255999	0.45818240	0.46583378
## 2612	99.97521	0.347352952	0.49334806	0.48743197	0.68429261
## 2613	99.66617	0.070248090	0.29904455	0.31191048	0.36306471
## 2614	99.88324	0.366667837	0.50793290	0.49403364	0.69294244
## 2615	99.98851	0.780165792	0.41747487	0.45176593	0.64643884
## 2616	98.56316	0.395326495	0.56860667	0.71586722	0.68928695
## 2617	99.82666	0.001244314	0.26153648	0.22872528	0.42402357
## 2618	99.54626	0.857591927	0.25153148	0.28834873	0.36168668
## 2619	99.90468	0.000830932	0.28112921	0.26478916	0.56163085
## 2620	99.97036	0.007945915	0.43795237	0.46926367	0.67816883
## 2621	99.93444	0.114675909	0.52550977	0.54639655	0.75119078
## 2622	99.99395	0.030595433	0.58960736	0.59088898	0.68972081
## 2623	99.94213	0.021916417	0.38156357	0.33321294	0.50804782

## 2624	99.42694	0.498172224	0.34895387	0.38493419	0.40643287
## 2625	97.92322	0.000257326	0.44652897	0.38590616	0.57311463
## 2626	99.63402	0.002506352	0.44875157	0.47324964	0.64598203
## 2627	99.91123	0.005089089	0.56748205	0.62737119	0.70206928
## 2628	90.02663	0.089079805	0.72367537	0.69213700	0.79714006
## 2629	99.89784	0.556601524	0.44590840	0.50594866	0.61827081
## 2630	99.98294	0.030505529	0.34176135	0.29803956	0.45321563
## 2631	99.33676	0.148242965	0.46970186	0.46145529	0.46145019
## 2632	99.84689	0.142797306	0.50680167	0.48696458	0.64440322
## 2633	97.73391	0.000610034	0.67900753	0.73509568	0.70816129
## 2634	99.99622	0.391725063	0.49809253	0.42255116	0.46996287
## 2635	99.96404	0.515961230	0.50580335	0.57484013	0.71405065
## 2636	99.80988	0.438922644	0.59532195	0.62237799	0.71385175
## 2637	99.97251	0.353149325	0.39215895	0.44197041	0.53401846
## 2638	99.92106	0.472315788	0.55840152	0.60274005	0.74287665
## 2639	99.80087	0.007880338	0.55069917	0.56645089	0.76341373
## 2640	99.33073	0.579718709	0.55810410	0.56969178	0.70455873
## 2641	99.96275	0.993117452	0.20603283	0.15340211	0.13174182
## 2642	99.68857	0.456937969	0.35662723	0.36492056	0.45046571
## 2643	99.79146	0.001413943	0.40163767	0.36393562	0.61028874
## 2644	99.99082	0.616312563	0.68719721	0.74775559	0.81596833
## 2645	99.80179	0.067610689	0.33027312	0.30243289	0.52487153
## 2646	99.34790	0.284277946	0.51732200	0.56736404	0.43631616
## 2647	99.86544	0.901952446	0.70759261	0.74497318	0.80527365
## 2648	99.48648	0.000726351	0.43125343	0.38025761	0.47346351
## 2649	99.97229	0.271642774	0.84193146	0.88684553	0.97677636
## 2650	98.84298	0.509958684	0.13536164	0.10890897	0.14954260
## 2651	98.05312	0.669965208	0.25001615	0.22003157	0.20728868
## 2652	99.67981	0.388725430	0.67434955	0.71920645	0.84661168
## 2653	99.99432	0.371075511	0.67011064	0.77572292	0.83672237
## 2654	99.96397	0.271259308	0.27354538	0.24022163	0.48385453
## 2655	99.98626	0.119209334	0.38993782	0.41610673	0.46421716
## 2656	99.92736	0.139692262	0.50984603	0.50114542	0.71356475
## 2657	99.99733	0.129554927	0.48212361	0.44938412	0.65132958
## 2658	99.95676	0.141471103	0.65611321	0.70092821	0.84351343
## 2659	99.31074	0.394410461	0.59036523	0.57395953	0.67748088
## 2660	99.91830	0.682577491	0.50917447	0.57498372	0.70307404
## 2661	99.91988	0.280211598	0.47325629	0.56904042	0.60772121
## 2662	99.95183	0.708833933	0.26163048	0.30448115	0.34652495
## 2663	99.99055	0.290200204	0.64656025	0.71663445	0.81783122
## 2664	99.88480	0.111448653	0.46588150	0.48230696	0.65984124
## 2665	99.29503	0.376171917	0.52107662	0.63490820	0.56584889
## 2666	99.82481	0.349562496	0.55455512	0.62247479	0.65821046
## 2667	99.15925	0.240821689	0.67509401	0.67288583	0.80812180
## 2668	98.55398	0.000194722	0.24511084	0.23095654	0.39292082
## 2669	99.16390	0.281737715	0.66421348	0.68884516	0.81302077
## 2670	99.99352	0.194103539	0.61947668	0.69642490	0.80458456
## 2671	99.77265	0.001303681	0.33391300	0.29365370	0.54404652
## 2672	99.98203	0.389140755	0.55777579	0.60848874	0.67238575
## 2673	99.95742	0.501244128	0.25518280	0.23010555	0.40736872
## 2674	98.29681	0.642598331	0.50125003	0.66835099	0.73747385
## 2675	99.98682	0.095121488	0.34751833	0.29328921	0.53205168
## 2676	99.95071	0.081173047	0.56789577	0.65275645	0.75597262
## 2677	94.88857	0.877785385	0.29645818	0.23747994	0.48111531

## 2678	99.94045	0.129358992	0.28789577	0.24045607	0.50447333
## 2679	99.98874	0.096605472	0.48320973	0.58305407	0.55566716
## 2680	99.91364	0.010280937	0.26301524	0.24540553	0.39918143
## 2681	99.43238	0.000558944	0.63042796	0.63376063	0.78740972
## 2682	99.98628	0.026491797	0.21857718	0.18994305	0.44800934
## 2683	99.82789	0.113912113	0.39806777	0.42448416	0.40647012
## 2684	99.82321	0.430568308	0.39896816	0.47564715	0.39933574
## 2685	98.48079	0.061741076	0.60053217	0.69351083	0.70694405
## 2686	99.62601	0.006039210	0.50387442	0.49711162	0.69131863
## 2687	99.67419	0.205073684	0.45441893	0.47745663	0.54604673
## 2688	99.93259	0.949657917	0.50471586	0.48960254	0.58674228
## 2689	99.78162	0.101821274	0.39727688	0.37387383	0.58199012
## 2690	99.59181	0.393591255	0.42574832	0.49120784	0.47707859
## 2691	99.94137	0.037419815	0.50709158	0.49606234	0.66166580
## 2692	99.76790	0.995241642	0.31715414	0.45827779	0.44052684
## 2693	99.98660	0.762264907	0.41363636	0.53956866	0.45257175
## 2694	99.99812	0.400050938	0.44350001	0.45304808	0.63046455
## 2695	99.61058	0.222604632	0.75504166	0.78298384	0.88462085
## 2696	99.97752	0.149295837	0.49529198	0.45460403	0.67783278
## 2697	99.96008	0.136815190	0.42327994	0.48622689	0.62926680
## 2698	99.05255	0.181083515	0.56622207	0.59965360	0.67643660
## 2699	99.99867	0.018568082	0.52906168	0.56552166	0.75659078
## 2700	99.98580	0.464961439	0.67675286	0.72277784	0.83946466
## 2701	99.94645	0.693470895	0.41197982	0.40364334	0.50939792
## 2702	99.74207	0.000030200	0.27671024	0.24302757	0.30269074
## 2703	99.47479	0.041934215	0.63669813	0.64303458	0.74429274
## 2704	99.15721	0.906111836	0.21622779	0.18257470	0.25087774
## 2705	99.89991	0.766141951	0.53429973	0.62019324	0.63436461
## 2706	99.94397	0.786127090	0.46189037	0.44552058	0.64825189
## 2707	97.44025	0.705011785	0.74429488	0.79453659	0.90483844
## 2708	99.41398	0.010605779	0.24182874	0.24490546	0.33615604
## 2709	99.28170	0.871870875	0.62330276	0.74009574	0.72964197
## 2710	99.98669	0.073766500	0.26565480	0.23702931	0.44041142
## 2711	99.88260	0.153291404	0.59214979	0.68832839	0.67360616
## 2712	99.12756	0.606623411	0.55150646	0.64470929	0.67020404
## 2713	99.96491	0.694398582	0.40621376	0.49049669	0.55475676
## 2714	99.98728	0.028188551	0.58769077	0.64538628	0.75154495
## 2715	98.92899	0.347836345	0.57529288	0.64664048	0.67257565
## 2716	99.99602	0.078491732	0.31543586	0.31554833	0.37589240
## 2717	99.39134	0.209744632	0.39598540	0.44378883	0.46793193
## 2718	98.94105	0.027327834	0.54845464	0.62981808	0.70767724
## 2719	99.98056	0.000438423	0.50490254	0.45946348	0.65995801
## 2720	99.95072	0.031398717	0.60664922	0.64596677	0.72549641
## 2721	99.44339	0.184027553	0.44488630	0.46405241	0.61564290
## 2722	99.96327	0.077187687	0.42031574	0.43953884	0.63347006
## 2723	99.99788	0.086452961	0.36477524	0.42353195	0.60505605
## 2724	99.80793	0.021096399	0.54055566	0.50360310	0.67622316
## 2725	99.99570	0.255299896	0.36027539	0.29617491	0.48997399
## 2726	96.59118	0.000779907	0.42803589	0.43831912	0.65403152
## 2727	98.44414	0.000029200	0.38790467	0.34963569	0.55275881
## 2728	99.91870	0.249199703	0.69954944	0.77637380	0.77274656
## 2729	99.97456	0.052522462	0.35358763	0.36826229	0.59937286
## 2730	99.99755	0.946778893	0.30376190	0.37408057	0.40974951
## 2731	99.14904	0.022451311	0.49051776	0.44377667	0.64575010

## 2732	99.64876	0.600651145	0.46049535	0.61134857	0.58419091
## 2733	99.89170	0.000000000	0.00000000	0.00000000	0.00000000
## 2734	99.88564	0.668906689	0.33766478	0.34348857	0.48738298
## 2735	97.19016	0.104570925	0.60826307	0.74440408	0.77273637
## 2736	99.74450	0.236144155	0.39731088	0.36315039	0.37918502
## 2737	99.33911	0.486481488	0.62654793	0.75904053	0.70251370
## 2738	99.98591	0.236021280	0.65151388	0.80518079	0.74483365
## 2739	99.48936	0.441306949	0.23373514	0.19961862	0.38185096
## 2740	99.99234	0.011265443	0.20866667	0.23122893	0.33897856
## 2741	99.92082	0.212184548	0.43698829	0.45140096	0.69415688
## 2742	99.82665	0.007757386	0.24288264	0.21431167	0.47424114
## 2743	99.93411	0.202951282	0.31079182	0.29380977	0.50861406
## 2744	99.96103	0.260167092	0.41426298	0.45481503	0.62524337
## 2745	99.67787	0.003835001	0.53696811	0.46474984	0.63550252
## 2746	99.59727	0.883628726	0.32947895	0.36015809	0.49581179
## 2747	98.94298	0.077519618	0.42146933	0.41297460	0.63127989
## 2748	99.79771	0.062746689	0.34801006	0.31021610	0.54485560
## 2749	99.40698	0.004331711	0.44241798	0.44757643	0.64632499
## 2750	99.95644	0.000858204	0.64378101	0.61008871	0.64072639
## 2751	99.98310	0.004697025	0.21091612	0.19253968	0.38909882
## 2752	99.85579	0.116893768	0.73144859	0.80720794	0.92004967
## 2753	99.99318	0.898989499	0.37053412	0.45842478	0.48382524
## 2754	94.47679	0.150247782	0.66025120	0.66142255	0.79665083
## 2755	99.93490	0.530460358	0.29377672	0.23556033	0.49639577
## 2756	99.94685	0.033271436	0.43047270	0.42543188	0.61229628
## 2757	99.94656	0.695105255	0.59383369	0.65609270	0.80293864
## 2758	99.87549	0.001513929	0.29069805	0.25711805	0.51604462
## 2759	99.98145	0.262335837	0.49309021	0.50956851	0.68457758
## 2760	99.95290	0.273723871	0.69011539	0.67932546	0.80635661
## 2761	99.99917	0.067077301	0.32217941	0.32127807	0.57978189
## 2762	96.27549	0.055673633	0.48806781	0.51262444	0.65136677
## 2763	99.97362	0.938597202	0.54307413	0.61535561	0.72281915
## 2764	99.84349	0.386203706	0.72321075	0.78235382	0.91566139
## 2765	95.15869	0.004102360	0.59736919	0.69282997	0.81146258
## 2766	99.03932	0.001399764	0.30598268	0.28251415	0.52342415
## 2767	97.72682	0.173089162	0.67633128	0.68602347	0.73984712
## 2768	99.94403	0.162244305	0.44338656	0.47230381	0.66650760
## 2769	99.85914	0.073247060	0.65824079	0.68761754	0.83260769
## 2770	99.95041	0.556236982	0.32737386	0.27971223	0.46690169
## 2771	99.96991	0.231045455	0.30085507	0.28429589	0.41917676
## 2772	99.98315	0.708689153	0.43767047	0.45816117	0.59920478
## 2773	99.21759	0.280957073	0.33174381	0.35897064	0.49729553
## 2774	99.92244	0.000580556	0.33421472	0.31876591	0.58148706
## 2775	99.97502	0.496064007	0.39261800	0.42155093	0.56406355
## 2776	99.77518	0.007991140	0.32257453	0.30954275	0.46273532
## 2777	98.56069	0.114645496	0.26816490	0.21212432	0.28397849
## 2778	99.05942	0.985655725	0.31408227	0.28049365	0.41888922
## 2779	99.98378	0.534562290	0.45930952	0.55391502	0.54644769
## 2780	99.85616	0.001708779	0.28065887	0.25539306	0.47475302
## 2781	99.93363	0.217397600	0.40995902	0.39539197	0.64407408
## 2782	99.91068	0.004666651	0.77979618	0.84539384	0.85325849
## 2783	99.00168	0.046829998	0.57297564	0.69125348	0.73382723
## 2784	99.45532	0.231978878	0.21685681	0.18325211	0.42821294
## 2785	99.79190	0.463109046	0.40216607	0.41061878	0.38153300

## 2786	99.94158	0.242322236	0.54655367	0.56337488	0.66768676
## 2787	99.68621	0.421290815	0.46618786	0.53422844	0.64009023
## 2788	99.97431	0.027612247	0.56138354	0.65853167	0.59627640
## 2789	99.90293	0.035999764	0.82416415	0.86741072	0.96489966
## 2790	99.71241	0.813636720	0.49347958	0.55935830	0.63680249
## 2791	99.89433	0.004227046	0.41246024	0.38597876	0.62421697
## 2792	99.28140	0.020508939	0.48150837	0.46627480	0.66662520
## 2793	99.90559	0.204150289	0.49335966	0.48813561	0.66177607
## 2794	99.84687	0.032328133	0.48254186	0.41503474	0.58927232
## 2795	99.99031	0.055138431	0.40217140	0.36071923	0.61126995
## 2796	99.90268	0.232659578	0.36182389	0.39967167	0.35953590
## 2797	99.68161	0.025132807	0.57809311	0.57308990	0.71678734
## 2798	99.97543	0.059046533	0.83049154	0.88047230	0.93875235
## 2799	99.56375	0.839576423	0.48196301	0.55262291	0.60550690
## 2800	98.48472	0.000517837	0.38820893	0.34012604	0.59946287
## 2801	99.15177	0.329870373	0.70548701	0.75579220	0.79996687
## 2802	99.98353	0.035459422	0.49702954	0.50349289	0.66617483
## 2803	99.86500	0.838320732	0.53742194	0.68843573	0.77001238
## 2804	98.13443	0.956456423	0.67161024	0.80550754	0.76886618
## 2805	99.99522	0.000530842	0.38707072	0.33419582	0.50187433
## 2806	99.73760	0.007933796	0.21868280	0.20704941	0.41984534
## 2807	99.99019	0.042790323	0.71621746	0.77953470	0.66725141
## 2808	99.99146	0.475457519	0.62281632	0.72245985	0.71955866
## 2809	99.23340	0.010240342	0.46216425	0.48320970	0.53868383
## 2810	99.40569	0.991568625	0.48254326	0.52084661	0.47442409
## 2811	97.87951	0.251122445	0.62451386	0.64104492	0.81609315
## 2812	99.97602	0.598463774	0.46731770	0.49299690	0.70284486
## 2813	99.99244	0.051035497	0.68154544	0.69858545	0.76568663
## 2814	97.23451	0.229706004	0.57215655	0.71054983	0.66191488
## 2815	99.89700	0.175092891	0.42111397	0.43223464	0.62584931
## 2816	99.91799	0.057582837	0.42102876	0.37122542	0.62236303
## 2817	98.10162	0.148318633	0.45116270	0.50993913	0.47511256
## 2818	99.91351	0.134816766	0.30937970	0.31493726	0.48583168
## 2819	99.95768	0.872675538	0.39786732	0.42187628	0.49249399
## 2820	99.76594	0.056163456	0.51190782	0.54674232	0.52135467
## 2821	99.81943	0.104200289	0.40083557	0.43571454	0.56661838
## 2822	99.89676	0.315129191	0.42250645	0.44684526	0.62783343
## 2823	99.43920	0.541933358	0.54868001	0.54119062	0.66256094
## 2824	99.99794	0.070538759	0.44296104	0.60379845	0.58568841
## 2825	99.99710	0.119426958	0.55751574	0.56738949	0.68891919
## 2826	99.72461	0.685403526	0.48378849	0.56176698	0.58272052
## 2827	99.98477	0.000119896	0.31133535	0.31524631	0.55680764
## 2828	99.97969	0.487880230	0.37201890	0.40201482	0.41085887
## 2829	99.75154	0.012060828	0.56080079	0.53106743	0.69595230
## 2830	99.96689	0.009514063	0.39734080	0.40157068	0.63062143
## 2831	99.49774	0.753745675	0.58265448	0.54222697	0.42289302
## 2832	99.56731	0.449922800	0.59260315	0.61407656	0.76362670
## 2833	99.67823	0.000096000	0.20079157	0.20509030	0.26844138
## 2834	99.83524	0.713891268	0.45276520	0.59818918	0.49108455
## 2835	99.92818	0.008330096	0.36751571	0.40772235	0.35343736
## 2836	99.92294	0.128882945	0.52792573	0.53314751	0.72066551
## 2837	99.97687	0.104203887	0.44408306	0.38877597	0.56839848
## 2838	99.98510	0.555938363	0.73203891	0.75029200	0.79937303
## 2839	95.88761	0.210959151	0.60678875	0.68690777	0.75960672

## 2840	99.82059	0.042172980	0.29401171	0.27538577	0.40501487
## 2841	99.34817	0.008123681	0.55166393	0.52916890	0.72370410
## 2842	99.31537	0.013611801	0.50812995	0.44497103	0.43998268
## 2843	99.93045	0.012757028	0.55851048	0.62071419	0.68391752
## 2844	99.70492	0.950810313	0.18082289	0.14861585	0.22027792
## 2845	98.53886	0.258366257	0.40618503	0.41441154	0.55488849
## 2846	99.68923	0.357473105	0.51945972	0.55328411	0.71859693
## 2847	99.99227	0.224852160	0.35150424	0.33857226	0.54845351
## 2848	99.87014	0.125825331	0.33222231	0.31052989	0.49640661
## 2849	99.90501	0.310873747	0.44805458	0.51632738	0.64987552
## 2850	99.91795	0.556901217	0.37221953	0.31588930	0.48227537
## 2851	99.23531	0.456787229	0.43955785	0.55965692	0.58480895
## 2852	99.99599	0.176507652	0.46457192	0.52062631	0.42250523
## 2853	99.75820	0.517061412	0.37146339	0.40198281	0.45909607
## 2854	99.91183	0.054981623	0.44994482	0.51713520	0.61752349
## 2855	99.57729	0.204730570	0.55130196	0.52353191	0.63868552
## 2856	99.95698	0.494820625	0.37107190	0.40149763	0.35517335
## 2857	99.97271	0.225032255	0.49804896	0.56653017	0.74536526
## 2858	99.89413	0.599039793	0.62047017	0.64428657	0.72442287
## 2859	99.88090	0.083168946	0.79003733	0.81160790	0.86591899
## 2860	99.99916	0.028456897	0.37730405	0.39463046	0.57315868
## 2861	99.94739	0.000012100	0.23250935	0.21191102	0.32123652
## 2862	99.90530	0.021403866	0.20948678	0.18590671	0.38041297
## 2863	99.94556	0.288655102	0.52435267	0.49857363	0.71072996
## 2864	99.63397	0.238680154	0.55330920	0.57679945	0.53620177
## 2865	99.82715	0.444072515	0.27159858	0.27455559	0.33349341
## 2866	99.57945	0.051105369	0.35481387	0.30720973	0.56123710
## 2867	99.68504	0.049601343	0.51634550	0.54578924	0.70820183
## 2868	99.98521	0.184030846	0.78056759	0.85274535	0.92972964
## 2869	99.31465	0.904619515	0.16780365	0.13115287	0.18230417
## 2870	99.99190	0.802758098	0.44244716	0.41319114	0.43554688
## 2871	99.45026	0.010083186	0.41282621	0.37905023	0.62486666
## 2872	99.84331	0.067877360	0.53914285	0.51437449	0.70750272
## 2873	99.94280	0.006216763	0.31560755	0.28557721	0.54797697
## 2874	99.99660	0.193406984	0.63644159	0.62463617	0.77617306
## 2875	99.74014	0.775988162	0.38266435	0.49341297	0.50932687
## 2876	99.74674	0.000302816	0.80021554	0.78799200	0.78829950
## 2877	99.97068	0.002016683	0.41723594	0.37609252	0.56028485
## 2878	99.70377	0.447893858	0.20317619	0.19005743	0.21999773
## 2879	99.99026	0.107696027	0.23832469	0.23757601	0.37280875
## 2880	98.90019	0.126062930	0.58925265	0.63260466	0.72214961
## 2881	99.96029	0.383928210	0.46189240	0.51092052	0.49122405
## 2882	99.76579	0.302225143	0.50907600	0.57073176	0.49073639
## 2883	99.97934	0.223383844	0.56427687	0.55757582	0.74619800
## 2884	99.96975	0.001962538	0.57432312	0.58734328	0.68875295
## 2885	99.95135	0.334508061	0.31529802	0.33443677	0.39214787
## 2886	95.18944	0.027532250	0.37421101	0.33384356	0.56049246
## 2887	99.99798	0.004273879	0.52050447	0.58381808	0.76248884
## 2888	99.98931	0.001157430	0.60808396	0.61689943	0.74637497
## 2889	95.91671	0.502614915	0.63944960	0.63762295	0.72198111
## 2890	90.38404	0.068808541	0.62428886	0.61357009	0.69411999
## 2891	98.40552	0.488580436	0.73227876	0.69021314	0.70959407
## 2892	99.88100	0.113635987	0.59264100	0.60342741	0.73762041
## 2893	99.89001	0.039959572	0.44705066	0.40643472	0.63526797

## 2894	99.33823	0.050935313	0.71301150	0.68231565	0.73471999
## 2895	99.88276	0.188805282	0.61033446	0.61966366	0.78081620
## 2896	99.76531	0.000080200	0.41582656	0.43010747	0.52250636
## 2897	99.92338	0.000037600	0.38638154	0.33924219	0.59188736
## 2898	99.98703	0.648840785	0.52104449	0.63998914	0.67002696
## 2899	99.98131	0.020706329	0.65987146	0.74772769	0.78750026
## 2900	93.01392	0.363229930	0.82055908	0.82837319	0.82746613
## 2901	99.34757	0.013985062	0.25361764	0.21519048	0.49525541
## 2902	99.99602	0.108539626	0.50893778	0.54953021	0.72961783
## 2903	98.32231	0.006241226	0.52032840	0.55665356	0.59587920
## 2904	98.70901	0.001086468	0.36242619	0.28906581	0.54637033
## 2905	99.88908	0.013763379	0.42717400	0.48897147	0.69647139
## 2906	99.79836	0.892528713	0.37139556	0.41397896	0.38091281
## 2907	99.99568	0.240866318	0.25852129	0.26035011	0.50743866
## 2908	99.99581	0.125329942	0.45327130	0.40088126	0.54606879
## 2909	99.97728	0.898076534	0.30266529	0.32054645	0.41583619
## 2910	99.30256	0.556444585	0.48081163	0.55169183	0.58976615
## 2911	99.77132	0.057315696	0.64316690	0.59169352	0.66156364
## 2912	99.44447	0.839026928	0.32794294	0.43747476	0.43310627
## 2913	98.40632	0.000282505	0.37642175	0.35755813	0.62908906
## 2914	99.92958	0.601285696	0.35837769	0.36845085	0.40403232
## 2915	99.65912	0.029473186	0.55806887	0.60731506	0.73215228
## 2916	99.45380	0.000030200	0.17452328	0.14429063	0.27509630
## 2917	99.95055	0.682484567	0.43685654	0.50609475	0.53866094
## 2918	99.85091	0.822908282	0.28690022	0.25621894	0.47357348
## 2919	99.56556	0.311506689	0.66661549	0.70788640	0.83338320
## 2920	98.85109	0.001752557	0.38637522	0.37947452	0.59603161
## 2921	99.61259	0.366799086	0.66028452	0.70113015	0.80208766
## 2922	99.96452	0.066735491	0.72625667	0.80900824	0.82092410
## 2923	99.31596	0.293041021	0.57091296	0.56383896	0.75244123
## 2924	99.13916	0.062155139	0.70316875	0.69414186	0.83305323
## 2925	99.34979	0.263535231	0.35803700	0.34868676	0.53162384
## 2926	99.75704	0.201826394	0.69285542	0.68572050	0.73395997
## 2927	99.98625	0.152264997	0.62685269	0.63105804	0.71996808
## 2928	99.88049	0.340978324	0.60435939	0.67372328	0.77481192
## 2929	99.81887	0.409429789	0.52597415	0.56049007	0.55817521
## 2930	99.90130	0.032892168	0.42140135	0.38602248	0.48399735
## 2931	99.99565	0.092689440	0.59732437	0.61251807	0.79248893
## 2932	99.79428	0.228461727	0.53249788	0.61950171	0.72391146
## 2933	99.63024	0.299639463	0.56705910	0.60264313	0.71144444
## 2934	99.06470	0.668059230	0.50374520	0.59475183	0.61547422
## 2935	99.92791	0.374087393	0.48342308	0.52370495	0.65296197
## 2936	99.71322	0.388098776	0.52280253	0.63173813	0.58790207
## 2937	99.94492	0.957803845	0.48364642	0.53192133	0.52827287
## 2938	98.10670	0.011281505	0.41987175	0.38275325	0.62718159
## 2939	97.17549	0.422479510	0.69520545	0.66985965	0.65112227
## 2940	94.02308	0.255424947	0.63263243	0.74590737	0.80357498
## 2941	99.97080	0.046215281	0.44216433	0.41236550	0.63741797
## 2942	99.68930	0.494370341	0.72982258	0.69280064	0.73839569
## 2943	99.93097	0.496958286	0.47232041	0.50520760	0.57995385
## 2944	99.50895	0.051271882	0.40649286	0.35425514	0.59906554
## 2945	99.92903	0.202680275	0.41234285	0.51802051	0.49352008
## 2946	99.90914	0.012156589	0.31941155	0.32950866	0.38673776
## 2947	99.24942	0.982400954	0.43017545	0.59000504	0.51649487

## 2948	99.84742	0.347615212	0.61393452	0.65919507	0.80703551
## 2949	99.92454	0.623938262	0.54088569	0.51467401	0.70181686
## 2950	99.66977	0.771476090	0.56357801	0.57763988	0.66415030
## 2951	99.86375	0.000022300	0.22614221	0.21408458	0.49150601
## 2952	99.97846	0.052185021	0.48510483	0.50140303	0.70355034
## 2953	99.97065	0.008555206	0.25483385	0.20144455	0.45239147
## 2954	99.96997	0.028889433	0.49665770	0.55463779	0.64045972
## 2955	99.98381	0.599029243	0.33568373	0.29642466	0.50726527
## 2956	99.86902	0.007076303	0.25674999	0.23436065	0.36525208
## 2957	99.91424	0.484599710	0.40885973	0.45354426	0.61155963
## 2958	99.93646	0.037885156	0.48692650	0.51203972	0.61029226
## 2959	99.06686	0.153523624	0.50378829	0.59863448	0.56882244
## 2960	99.85409	0.067111120	0.34197599	0.42067733	0.46448594
## 2961	99.99128	0.168842718	0.62514770	0.64738441	0.82019550
## 2962	99.96735	0.091488875	0.75986910	0.82387018	0.87027359
## 2963	99.98846	0.038789291	0.57779908	0.61582989	0.79385662
## 2964	99.96862	0.003161006	0.29944384	0.26891589	0.51613736
## 2965	99.69810	0.008485006	0.45041004	0.49912029	0.72509944
## 2966	98.57829	0.012336547	0.46665323	0.45907795	0.66651708
## 2967	99.82183	0.135920972	0.57140327	0.60669082	0.78518480
## 2968	99.90007	0.183326736	0.66143012	0.68725765	0.82570940
## 2969	99.93088	0.544984281	0.50308263	0.57073319	0.65411305
## 2970	99.98815	0.033531249	0.48427656	0.44774458	0.61983007
## 2971	99.99497	0.267281801	0.59627360	0.72930503	0.73223561
## 2972	95.90278	0.001089509	0.59210908	0.60829556	0.70720589
## 2973	99.90463	0.548614264	0.53317141	0.60794890	0.75632817
## 2974	99.99271	0.860599220	0.36420846	0.33790192	0.42502922
## 2975	99.03082	0.072261654	0.60717821	0.62515533	0.75580162
## 2976	99.57368	0.405566126	0.52158171	0.50421661	0.68615198
## 2977	99.98637	0.000937510	0.92409277	0.93604893	0.96269470
## 2978	96.51637	0.063116185	0.57056028	0.56748217	0.73460883
## 2979	99.95726	0.101804100	0.55727071	0.51320952	0.66354883
## 2980	99.94841	0.338418871	0.66756934	0.73896384	0.79597479
## 2981	99.99713	0.058135353	0.74870962	0.81247234	0.77245730
## 2982	99.92045	0.399188697	0.53662091	0.63493520	0.68248135
## 2983	99.92529	0.243394434	0.35170582	0.37899965	0.64066619
## 2984	99.73060	0.151994288	0.40214872	0.40791899	0.54861706
## 2985	99.99746	0.024387380	0.42333698	0.39250743	0.58305258
## 2986	99.08841	0.661939204	0.67969155	0.72825122	0.82292640
## 2987	99.96432	0.023070322	0.24728146	0.21628040	0.38661271
## 2988	99.99177	0.085858516	0.61789370	0.62110287	0.73301154
## 2989	99.76111	0.684951901	0.44981843	0.45476571	0.63935137
## 2990	99.88628	0.026100313	0.21987130	0.19993119	0.42077425
## 2991	99.86486	0.008412329	0.31002402	0.27653083	0.52711052
## 2992	99.82870	0.528834343	0.42800614	0.42492333	0.56939352
## 2993	99.99830	0.673435509	0.63950455	0.67527980	0.69602328
## 2994	99.76306	0.131121665	0.80330116	0.84477091	0.90569383
## 2995	99.96939	0.214996427	0.38717702	0.31955183	0.47209215
## 2996	99.54971	0.640493631	0.49846601	0.56856978	0.59921908
## 2997	98.82653	0.210222125	0.38807112	0.43900961	0.45444113
## 2998	99.94107	0.030634958	0.50070596	0.58153635	0.60963625
## 2999	99.32377	0.122637324	0.20064722	0.19132823	0.22349970
## 3000	99.94592	0.078956291	0.45057601	0.39507160	0.53033996
## 3001	98.75942	0.115923911	0.41862747	0.41808870	0.60101175

## 3002	99.97464	0.079870120	0.57715207	0.60577565	0.79745066
## 3003	99.25486	0.863413215	0.22357495	0.22191228	0.37951556
## 3004	99.70078	0.044586107	0.44647333	0.49111626	0.68392682
## 3005	98.67234	0.686465263	0.66541886	0.77582896	0.73934513
## 3006	97.75712	0.062100276	0.51011097	0.54793030	0.73450607
## 3007	99.97327	0.077337846	0.34496033	0.32740533	0.51086235
## 3008	99.98176	0.073428296	0.66884720	0.72290587	0.80268252
## 3009	99.55127	0.001758953	0.60239851	0.58826488	0.75298184
## 3010	99.97752	0.120119184	0.61764866	0.67395955	0.82561380
## 3011	99.97549	0.516283393	0.81841862	0.87605208	0.93803370
## 3012	99.92091	0.126504749	0.56313092	0.60820073	0.76682031
## 3013	99.65726	0.659660995	0.54235399	0.57387263	0.73604000
## 3014	99.72523	0.000209249	0.22012833	0.19899282	0.48098451
## 3015	99.99495	0.617677510	0.52402890	0.62857336	0.63459504
## 3016	99.85316	0.013580144	0.43040815	0.38768470	0.46428093
## 3017	99.90588	0.003447813	0.38659081	0.37315598	0.51631671
## 3018	99.35097	0.005148474	0.43811461	0.36920822	0.60721195
## 3019	99.98685	0.662996531	0.51220918	0.63233841	0.74546945
## 3020	99.98342	0.002977802	0.42368692	0.36594713	0.58337760
## 3021	99.99853	0.201731831	0.41808972	0.38377288	0.61147743
## 3022	92.41334	0.085042283	0.44512785	0.39984032	0.64819890
## 3023	99.98244	0.005752800	0.34462854	0.31843868	0.50208414
## 3024	99.82896	0.031140875	0.27872074	0.22624588	0.39481124
## 3025	99.70834	0.002495665	0.27912831	0.25854275	0.43864289
## 3026	99.74904	0.128005758	0.40688807	0.39191988	0.56526679
## 3027	99.73768	0.232098341	0.51202601	0.56825835	0.70523822
## 3028	98.42239	0.110761382	0.75175655	0.70775360	0.72739303
## 3029	99.65088	0.174564868	0.51582813	0.46934536	0.58398080
## 3030	99.99573	0.039181683	0.87457240	0.89508724	0.92563844
## 3031	99.99503	0.783600152	0.33899325	0.40905756	0.44444898
## 3032	99.98244	0.147770330	0.40576708	0.44055170	0.58324736
## 3033	99.63835	0.001125976	0.34072852	0.28628063	0.47048777
## 3034	99.87300	0.321342200	0.54746532	0.60155803	0.60830385
## 3035	99.30011	0.057112079	0.74942911	0.80316186	0.86902118
## 3036	99.93727	0.479601026	0.60432166	0.72789317	0.79211390
## 3037	99.97216	0.009693587	0.59170759	0.53522813	0.61585897
## 3038	99.89176	0.000249154	0.27785483	0.28293571	0.35883707
## 3039	99.92330	0.175001070	0.69455558	0.79306024	0.89645022
## 3040	98.33179	0.640515387	0.28885490	0.26104122	0.44048357
## 3041	99.98785	0.750651896	0.64469093	0.70393759	0.76317269
## 3042	99.82809	0.012552584	0.36009866	0.30550361	0.54656786
## 3043	99.80789	0.079791211	0.68290919	0.69968653	0.81040883
## 3044	99.51003	0.000871776	0.07388380	0.05238817	0.05528458
## 3045	99.86618	0.410407424	0.24647964	0.27947131	0.26282299
## 3046	99.93034	0.631810725	0.78581625	0.83724600	0.87445867
## 3047	99.57178	0.089672416	0.41403413	0.43305010	0.34892422
## 3048	99.99490	0.009249928	0.52387005	0.52666581	0.44594619
## 3049	99.75860	0.600471735	0.43853402	0.49319279	0.64179695
## 3050	99.53380	0.014560613	0.64183980	0.70845848	0.77244318
## 3051	99.97540	0.156349033	0.41322076	0.35768747	0.60257298
## 3052	98.91765	0.164918616	0.43280700	0.39240372	0.58096904
## 3053	99.99434	0.559710145	0.53821719	0.63568819	0.76868987
## 3054	97.88767	0.576347411	0.73190808	0.74991840	0.75863457
## 3055	99.94376	0.119494826	0.71516579	0.74751043	0.86240268

## 3056	99.99509	0.293584973	0.45967376	0.43684706	0.62835467
## 3057	99.07320	0.124788709	0.69633383	0.76588488	0.88769859
## 3058	99.95973	0.333579093	0.66971123	0.63102281	0.73866713
## 3059	93.29050	0.548027456	0.64617133	0.66674060	0.82758969
## 3060	99.98153	0.991270900	0.31975269	0.44450179	0.44637099
## 3061	97.59925	0.022653677	0.37906757	0.38681305	0.39627594
## 3062	99.95843	0.237597346	0.39813274	0.39585978	0.55340457
## 3063	99.88136	0.305905879	0.65681851	0.64850306	0.80006009
## 3064	99.98524	0.069483578	0.48206422	0.54464585	0.73338079
## 3065	99.97268	0.145625919	0.08067820	0.05704810	0.16483851
## 3066	99.94482	0.041426763	0.55712968	0.67852527	0.52359504
## 3067	99.98668	0.461224586	0.62905151	0.69143009	0.81156075
## 3068	99.99073	0.920163512	0.40561390	0.45573422	0.44548920
## 3069	99.69976	0.351356149	0.54949385	0.68677622	0.62539124
## 3070	99.87658	0.085257992	0.39927611	0.41675118	0.56192064
## 3071	99.97530	0.743989110	0.30913350	0.38438675	0.53825784
## 3072	99.98021	0.092373945	0.35861883	0.35069591	0.53505391
## 3073	99.61260	0.940117896	0.23507333	0.20898895	0.34997279
## 3074	99.90062	0.261634499	0.49792194	0.53060788	0.62753892
## 3075	99.98650	0.508793473	0.46803919	0.51751602	0.41605410
## 3076	99.90919	0.111267567	0.38496521	0.35714284	0.52138579
## 3077	98.11002	0.621845484	0.22936070	0.18497597	0.28544018
## 3078	99.08070	0.476135969	0.41363069	0.40323296	0.58166391
## 3079	99.29842	0.021431293	0.46709230	0.51166052	0.67850774
## 3080	99.88802	0.073265143	0.27147645	0.27025983	0.37946415
## 3081	99.94628	0.979547083	0.22652724	0.18127593	0.23732463
## 3082	99.98818	0.036981508	0.61600274	0.66010726	0.80021423
## 3083	99.87541	0.704164922	0.61077792	0.68357492	0.77256846
## 3084	98.97903	0.104611300	0.62310135	0.65207362	0.77462858
## 3085	99.89670	0.123548888	0.46759585	0.43935636	0.67636371
## 3086	99.98187	0.320009381	0.55445021	0.64441550	0.75467140
## 3087	99.94187	0.429420501	0.63131291	0.69778585	0.83828455
## 3088	99.99815	0.437276661	0.43856683	0.49346280	0.66460747
## 3089	99.89380	0.756026208	0.66187811	0.69001287	0.81526923
## 3090	99.98076	0.241826147	0.39688593	0.39401695	0.54652661
## 3091	99.06849	0.928569436	0.40293604	0.46762398	0.38988197
## 3092	99.34994	0.766492307	0.51770723	0.56605250	0.62181574
## 3093	99.95403	0.122892410	0.55952346	0.64903075	0.69858897
## 3094	97.16679	0.092236243	0.67153776	0.75868505	0.86768413
## 3095	99.96595	0.838999569	0.56207311	0.61391234	0.71700585
## 3096	99.56847	0.545302808	0.67829967	0.67661732	0.79186004
## 3097	99.76821	0.088074245	0.54961520	0.55214423	0.74402428
## 3098	99.89086	0.789625466	0.54427481	0.62029868	0.74716139
## 3099	99.79716	0.027839378	0.26068264	0.23642279	0.51016378
## 3100	99.96007	0.020780636	0.30529156	0.26113528	0.39582938
## 3101	99.99893	0.068978056	0.77700484	0.81381625	0.84300256
## 3102	99.85563	0.029778874	0.79625088	0.80163741	0.81008029
## 3103	99.98937	0.994684815	0.29755089	0.25597829	0.23482510
## 3104	99.78430	0.036045127	0.21229777	0.20011981	0.42519322
## 3105	99.40806	0.002501629	0.69997639	0.72603780	0.83804220
## 3106	98.69644	0.000347091	0.18106809	0.17219491	0.20905629
## 3107	99.98955	0.004478328	0.27954555	0.28126612	0.44676870
## 3108	99.52127	0.595709682	0.58588266	0.59772283	0.67355889
## 3109	99.55165	0.022646721	0.42209572	0.43144992	0.55922973

## 3110	99.83924	0.000314785	0.26669332	0.24319258	0.24348168
## 3111	99.65810	0.104079314	0.38227814	0.41250846	0.53027177
## 3112	99.95974	0.670369089	0.71053040	0.74229991	0.73391944
## 3113	99.18974	0.019429287	0.22293168	0.26849017	0.51503009
## 3114	99.91797	0.003952584	0.27657905	0.23038243	0.42153963
## 3115	98.57642	0.001571306	0.51495731	0.51016027	0.61527109
## 3116	99.78507	0.083242454	0.68539572	0.73340356	0.86978793
## 3117	99.86976	0.404034793	0.45959476	0.48153129	0.57692057
## 3118	99.63441	0.753588557	0.41680837	0.47325575	0.47739205
## 3119	99.99818	0.366447181	0.59163129	0.60817272	0.76191819
## 3120	99.99650	0.426115096	0.56338280	0.63791513	0.77335399
## 3121	99.72928	0.111467399	0.73174191	0.80276287	0.86108041
## 3122	99.38710	0.435636282	0.45652702	0.46456340	0.66343439
## 3123	99.39975	0.359137595	0.41576871	0.49451536	0.48361972
## 3124	99.98815	0.162060380	0.31273314	0.30925977	0.50440395
## 3125	99.67010	0.404552519	0.38036469	0.30834076	0.49542034
## 3126	99.95066	0.225018010	0.55647546	0.60705250	0.67442173
## 3127	99.89174	0.132186279	0.32282066	0.41152960	0.61134410
## 3128	99.90373	0.413965464	0.38365427	0.46705180	0.54856002
## 3129	99.95937	0.013866058	0.56670362	0.71272004	0.55354202
## 3130	99.20945	0.228959709	0.36962557	0.36547548	0.58417177
## 3131	99.94711	0.040673241	0.47682679	0.55880469	0.64187139
## 3132	99.99090	0.322817892	0.53001577	0.54459673	0.68482721
## 3133	99.98198	0.438687474	0.54169327	0.67314261	0.61741668
## 3134	99.82992	0.001548982	0.21711178	0.19852044	0.40346068
## 3135	99.53681	0.407571167	0.34854561	0.38238227	0.49838150
## 3136	99.80034	0.362894833	0.48844737	0.53557891	0.68983048
## 3137	99.89636	0.183795214	0.65809727	0.77308780	0.81712079
## 3138	98.56733	0.020604810	0.54304659	0.52606565	0.71728224
## 3139	99.93235	0.864829421	0.32835314	0.35943943	0.40777978
## 3140	98.08522	0.000241913	0.23617320	0.19417208	0.45009458
## 3141	99.83487	0.322876424	0.56581378	0.60456044	0.75828916
## 3142	99.95861	0.886233568	0.49769682	0.55543310	0.60438931
## 3143	99.86136	0.988894820	0.30277389	0.24292179	0.34227914
## 3144	99.98288	0.448562086	0.46240291	0.45361868	0.62873977
## 3145	99.98519	0.117239334	0.54909480	0.59674603	0.67390412
## 3146	98.39911	0.178048149	0.70286673	0.73854732	0.85635269
## 3147	99.98080	0.181265578	0.45684707	0.49646652	0.65826809
## 3148	98.93992	0.244180799	0.40330756	0.46101454	0.68295217
## 3149	99.13388	0.817752481	0.52663082	0.74072903	0.69215012
## 3150	99.97670	0.230872378	0.50231940	0.60075694	0.50328565
## 3151	99.88357	0.820790172	0.40294987	0.41036147	0.60532278
## 3152	99.65267	0.777072310	0.30789447	0.33241531	0.38879913
## 3153	99.94622	0.063944474	0.55089986	0.60091931	0.66586691
## 3154	99.43629	0.004832834	0.67420036	0.71400809	0.81081611
## 3155	99.77956	0.467729479	0.53073555	0.61825198	0.65389717
## 3156	99.63715	0.000239110	0.50543731	0.47853646	0.69991600
## 3157	99.97658	0.144480407	0.60829061	0.70316678	0.76527369
## 3158	99.87191	0.458648115	0.44363800	0.42454407	0.50273126
## 3159	99.88566	0.001854562	0.24235062	0.21732435	0.38942918
## 3160	99.91839	0.516430557	0.43513602	0.47184095	0.64333433
## 3161	99.84536	0.008669337	0.39290336	0.36925295	0.48036462
## 3162	99.97857	0.483488381	0.56650966	0.52355444	0.70357299
## 3163	99.74918	0.001134261	0.49499774	0.54852748	0.53022957

## 3164	99.98471	0.081163011	0.31118533	0.33813944	0.33094066
## 3165	99.95543	0.399358481	0.54993284	0.60558528	0.46235919
## 3166	99.80619	0.008703762	0.57892144	0.64528012	0.67203093
## 3167	99.91469	0.685391963	0.49534345	0.55076236	0.72906339
## 3168	99.90075	0.079551153	0.55073166	0.59040350	0.69873685
## 3169	99.95287	0.687388957	0.46605465	0.60609937	0.59393674
## 3170	99.62958	0.173958525	0.47959283	0.49117374	0.61529541
## 3171	99.97952	0.408993095	0.74019665	0.76519889	0.82289988
## 3172	99.91323	0.077169478	0.31573471	0.30215305	0.52114844
## 3173	99.94634	0.557513356	0.49241230	0.47168133	0.60802144
## 3174	99.99650	0.383588165	0.56852919	0.64204109	0.72302353
## 3175	98.61403	0.044247720	0.53172433	0.50280780	0.66658783
## 3176	99.34994	0.008289769	0.70205444	0.81508046	0.87280709
## 3177	99.80787	0.000140299	0.24618372	0.21877406	0.50671852
## 3178	99.93955	0.456079364	0.56293076	0.70116544	0.82968432
## 3179	99.94154	0.908847570	0.29109824	0.27729240	0.52683497
## 3180	99.42165	0.651863217	0.56244695	0.54876953	0.62989056
## 3181	99.91090	0.022964401	0.63724291	0.68069673	0.77495629
## 3182	99.96226	0.002876313	0.38064885	0.40994072	0.58934999
## 3183	99.88384	0.504431725	0.68757343	0.74547863	0.85993952
## 3184	99.91245	0.115436003	0.70723760	0.73089749	0.78099573
## 3185	97.66450	0.826054096	0.44970226	0.61398333	0.58454496
## 3186	99.84854	0.804420650	0.44625977	0.40065005	0.57304329
## 3187	99.98939	0.533414364	0.62396437	0.70301580	0.78285182
## 3188	99.70782	0.450544119	0.53628194	0.64557511	0.76403099
## 3189	99.98513	0.443228424	0.43734944	0.46287128	0.63525391
## 3190	99.98369	0.008189114	0.45581070	0.43614951	0.62461758
## 3191	99.96539	0.337580055	0.72022277	0.81362361	0.59126806
## 3192	99.86813	0.005864546	0.60090828	0.61559653	0.67421901
## 3193	99.94898	0.127008319	0.30640647	0.25823924	0.43882060
## 3194	99.99307	0.055151395	0.54948419	0.58121920	0.78592616
## 3195	98.67204	0.599445164	0.23331639	0.24486867	0.23517950
## 3196	99.98737	0.469277292	0.50862122	0.59494615	0.61100835
## 3197	99.94992	0.132508740	0.48461306	0.55369633	0.67424321
## 3198	99.93468	0.094110794	0.58864492	0.66150880	0.75270724
## 3199	99.46337	0.084518261	0.84972858	0.87155086	0.89588803
## 3200	99.99284	0.023035403	0.56276536	0.54366159	0.68866938
## 3201	99.65635	0.002438043	0.24083781	0.21328761	0.45170140
## 3202	99.97341	0.523456573	0.60028118	0.61444724	0.70577943
## 3203	99.97153	0.325255007	0.39387220	0.38762471	0.59476197
## 3204	99.56152	0.002456137	0.23722701	0.22102219	0.45324710
## 3205	99.54716	0.001463092	0.21682058	0.17502624	0.42949578
## 3206	99.58172	0.152470663	0.42013040	0.50648314	0.55676383
## 3207	99.83446	0.607783496	0.50538462	0.54125041	0.68931675
## 3208	99.95820	0.373952538	0.35239953	0.39640355	0.48809680
## 3209	99.77902	0.007518572	0.20213062	0.17530973	0.40410989
## 3210	99.87009	0.123363093	0.39635843	0.45192146	0.63230210
## 3211	99.83005	0.134950697	0.61217308	0.69016129	0.78307563
## 3212	99.82971	0.358860046	0.69026673	0.73266172	0.86183709
## 3213	99.96231	0.628908813	0.33595142	0.29739720	0.56372869
## 3214	99.98823	0.007577632	0.56524253	0.63563258	0.78575122
## 3215	99.86670	0.758807302	0.37625000	0.40409136	0.50552869
## 3216	99.71150	0.000809965	0.33701852	0.36201915	0.60123575
## 3217	99.94211	0.694653034	0.64143181	0.66099346	0.71656471

## 3218	99.97918	0.585931063	0.79263037	0.84647131	0.90440214
## 3219	99.65000	0.694840729	0.60850555	0.71526915	0.67386514
## 3220	97.51381	0.193957120	0.36034802	0.46628171	0.60244215
## 3221	99.91675	0.919001818	0.33267957	0.39722285	0.51672483
## 3222	99.89467	0.880463839	0.40472391	0.47273687	0.46514455
## 3223	99.99295	0.054031543	0.43790531	0.42465228	0.61423796
## 3224	99.77825	0.047492675	0.46129698	0.47493580	0.50744104
## 3225	99.99292	0.980475008	0.23565829	0.22021143	0.27765506
## 3226	99.98587	0.070101969	0.23679720	0.21393640	0.44138274
## 3227	99.92859	0.242376462	0.26877534	0.25155577	0.37524772
## 3228	99.17820	0.024528077	0.69667947	0.77955222	0.84803849
## 3229	97.96111	0.393583864	0.51094294	0.53705931	0.68817240
## 3230	99.98206	0.084764935	0.46193343	0.47952852	0.65145516
## 3231	99.98878	0.115198717	0.50903684	0.61960566	0.70437711
## 3232	99.94832	0.001998549	0.46931350	0.38922527	0.55321378
## 3233	99.99405	0.020560719	0.68659466	0.70165485	0.79981035
## 3234	99.99549	0.987851262	0.18557608	0.14320786	0.20032687
## 3235	99.90215	0.129808262	0.58464110	0.60319996	0.71873289
## 3236	99.82928	0.028755302	0.41110557	0.49349600	0.62987465
## 3237	99.51636	0.175101578	0.55105370	0.59473729	0.61282712
## 3238	99.93110	0.006168298	0.71454942	0.69516277	0.76057875
## 3239	99.96496	0.001789415	0.38739955	0.38577619	0.55949503
## 3240	99.74076	0.252685040	0.32641023	0.32698435	0.50318003
## 3241	99.86324	0.234633192	0.39570492	0.53715289	0.50184012
## 3242	99.65080	0.227825642	0.68093580	0.70807582	0.68691331
## 3243	99.92744	0.435174882	0.41726538	0.37088108	0.41744000
## 3244	98.84602	0.785669863	0.57756537	0.65887845	0.81228501
## 3245	99.93513	0.816467285	0.57619458	0.75321364	0.70379490
## 3246	99.96622	0.012757743	0.27428111	0.25068533	0.29681519
## 3247	99.93655	0.155246377	0.61112624	0.60878450	0.74857175
## 3248	99.12845	0.162455395	0.51541054	0.60262907	0.57008773
## 3249	99.99754	0.103104539	0.50724536	0.66620415	0.60806590
## 3250	99.70696	0.131537214	0.71501213	0.75155067	0.81406391
## 3251	99.99364	0.531042337	0.57609564	0.66721094	0.68854612
## 3252	99.93220	0.184252411	0.32084194	0.32006195	0.54066426
## 3253	99.85786	0.204834908	0.57386136	0.61854553	0.73148018
## 3254	99.99181	0.013982833	0.73227429	0.80025375	0.88297689
## 3255	99.99310	0.009747772	0.50032538	0.47848848	0.67294222
## 3256	99.82852	0.867253006	0.75258946	0.77157462	0.87699235
## 3257	99.90421	0.000653453	0.47687626	0.48877323	0.58330744
## 3258	99.95789	0.134793177	0.63957191	0.72100049	0.84539235
## 3259	99.63622	0.015537100	0.39443806	0.40445825	0.60370934
## 3260	99.67510	0.490888953	0.39345852	0.39671406	0.55737209
## 3261	98.72083	0.000008730	0.26338804	0.24177036	0.48784593
## 3262	96.10302	0.003762791	0.81122619	0.82793915	0.83348584
## 3263	99.97102	0.055646729	0.45135301	0.44237319	0.68867743
## 3264	99.98141	0.078516223	0.50491917	0.46452057	0.58419979
## 3265	99.98942	0.062618375	0.50949472	0.56302684	0.71078438
## 3266	99.14492	0.010494143	0.34685913	0.29983833	0.56811291
## 3267	99.95187	0.219919324	0.51244652	0.60357624	0.62808615
## 3268	99.54126	0.772006750	0.51743335	0.53265375	0.69217992
## 3269	99.98853	0.023720080	0.64998710	0.73775917	0.83586729
## 3270	99.88534	0.289688528	0.54540360	0.59543496	0.73836237
## 3271	98.23156	0.262882501	0.50996268	0.54994893	0.43734106

## 3272	99.90987	0.455145985	0.49508026	0.58853787	0.55509663
## 3273	99.36329	0.803314984	0.46981278	0.54464185	0.46745983
## 3274	99.98723	0.472413182	0.55819625	0.56047636	0.63144225
## 3275	99.37208	0.069478244	0.69589526	0.72178847	0.79317856
## 3276	99.87253	0.423740029	0.46676126	0.46316919	0.64213836
## 3277	99.91426	0.036329791	0.46724999	0.54509145	0.60771179
## 3278	99.99526	0.573938429	0.13450409	0.11025871	0.16988406
## 3279	99.60493	0.146428853	0.51779073	0.62539357	0.74195367
## 3280	99.97936	0.355324805	0.45192924	0.46236536	0.59290904
## 3281	99.94672	0.051500537	0.81149006	0.85917544	0.94662839
## 3282	99.33997	0.237609386	0.57432461	0.63213426	0.64894450
## 3283	99.14388	0.808218420	0.33009151	0.34860203	0.46517503
## 3284	99.89658	0.100592114	0.51777738	0.55979204	0.73779648
## 3285	99.96470	0.295996755	0.62986541	0.67347634	0.80040878
## 3286	99.80696	0.182328224	0.60483271	0.68488789	0.52829123
## 3287	99.95687	0.017690813	0.70805740	0.75138927	0.81603724
## 3288	99.92148	0.336369306	0.49306184	0.55067647	0.74684954
## 3289	99.29773	0.002999469	0.31766179	0.31687710	0.52623844
## 3290	99.88547	0.571096659	0.53582937	0.59530848	0.70343077
## 3291	99.98877	0.023093743	0.31547990	0.28801629	0.46680212
## 3292	99.71455	0.523442268	0.59788102	0.63438308	0.76368922
## 3293	99.03189	0.218798921	0.52387375	0.54270273	0.66111553
## 3294	99.93712	0.371608406	0.35726109	0.30139831	0.48923317
## 3295	99.88872	0.184559792	0.74347740	0.80973715	0.81442642
## 3296	99.96507	0.355296135	0.58022863	0.61200654	0.78519106
## 3297	98.79050	0.213478133	0.42802805	0.50673717	0.67778408
## 3298	99.90488	0.000004750	0.20987423	0.19016491	0.22363882
## 3299	98.36177	0.012504151	0.35188854	0.40172514	0.41950181
## 3300	99.17518	0.335198700	0.73027909	0.77264798	0.89230925
## 3301	99.65381	0.479889095	0.47934794	0.46927056	0.69031388
## 3302	99.68077	0.014054256	0.35334814	0.37192124	0.37876278
## 3303	99.98237	0.428170174	0.34423053	0.36673927	0.31408241
## 3304	99.99422	0.982679188	0.34508988	0.43403289	0.60796994
## 3305	99.94460	0.019145472	0.51312798	0.61776876	0.68888474
## 3306	96.77390	0.000842132	0.80852950	0.84952408	0.78171831
## 3307	99.95818	0.325357467	0.45674065	0.51574987	0.62166888
## 3308	99.88779	0.119599529	0.48258290	0.56218415	0.60910129
## 3309	99.98828	0.614697218	0.35655749	0.32089493	0.56483614
## 3310	99.95416	0.248453468	0.52423006	0.61065906	0.59954286
## 3311	99.84760	0.015914066	0.23450092	0.21304606	0.35791630
## 3312	99.99409	0.409846097	0.37739855	0.49179223	0.50462234
## 3313	99.99864	0.142356411	0.63607061	0.68451202	0.79419977
## 3314	99.88928	0.143418089	0.55727476	0.62410098	0.71569538
## 3315	99.97822	0.100842416	0.59421539	0.71030348	0.82671332
## 3316	99.99219	0.210031420	0.69512540	0.77401733	0.74528569
## 3317	99.95625	0.002298415	0.71917671	0.70681590	0.80307901
## 3318	99.97420	0.728821039	0.38467032	0.38523006	0.59048843
## 3319	99.99701	0.224036753	0.48739257	0.55083322	0.58621407
## 3320	99.98541	0.717909336	0.21945110	0.23937349	0.37268811
## 3321	99.99267	0.333099693	0.29259843	0.31344867	0.49683744
## 3322	99.72621	0.835618377	0.26036212	0.26300046	0.28985137
## 3323	99.92696	0.666504264	0.44893414	0.62451321	0.51427352
## 3324	95.49190	0.135153100	0.44910970	0.53744829	0.70473969
## 3325	99.98278	0.090576366	0.40609908	0.44193670	0.61600477

## 3326	99.88351	0.288378984	0.46281251	0.44009456	0.66441011
## 3327	96.91539	0.008569346	0.48481926	0.51204359	0.71894008
## 3328	99.95307	0.057512246	0.54037207	0.61806321	0.74538463
## 3329	93.40808	0.611372828	0.56869531	0.66954684	0.68032312
## 3330	95.61919	0.047437642	0.46568346	0.45584220	0.63369906
## 3331	99.95060	0.306080729	0.37907264	0.45131022	0.36980978
## 3332	99.24357	0.145819813	0.24132459	0.24466862	0.49850890
## 3333	99.99056	0.552307606	0.56535363	0.65041876	0.73471188
## 3334	99.94831	0.151519999	0.72410989	0.69025481	0.72862351
## 3335	99.99617	0.221248642	0.18701994	0.16393139	0.32855630
## 3336	99.99432	0.222329319	0.36576292	0.35392991	0.39551434
## 3337	99.93291	0.132544175	0.79323506	0.80102021	0.84902108
## 3338	99.98197	0.258174628	0.20429130	0.18079326	0.20121662
## 3339	96.04417	0.152661771	0.56095833	0.55415851	0.71120435
## 3340	99.99544	0.004344325	0.33174154	0.29476604	0.55544597
## 3341	99.97812	0.287882805	0.71221900	0.69445258	0.74049544
## 3342	99.84856	0.001135493	0.23701110	0.24429479	0.40685487
## 3343	99.57627	0.091720462	0.27476665	0.22713770	0.26553294
## 3344	99.83593	0.378835350	0.61113548	0.62137121	0.78164303
## 3345	99.86342	0.365369111	0.75803947	0.83108622	0.89915371
## 3346	91.57863	0.000327913	0.29972881	0.25945258	0.41846740
## 3347	99.98985	0.261255115	0.72881567	0.74150771	0.84249747
## 3348	99.91508	0.000158970	0.41591579	0.48012522	0.63567233
## 3349	99.88482	0.084412262	0.67326570	0.71001893	0.81927389
## 3350	99.98455	0.415519655	0.31062144	0.30088538	0.47269580
## 3351	98.40824	0.000395322	0.21368432	0.19687818	0.41346711
## 3352	98.17041	0.008893751	0.50268269	0.46491307	0.61970538
## 3353	99.23004	0.889364421	0.14088932	0.11853854	0.20182708
## 3354	99.86510	0.836663425	0.64473307	0.74418032	0.67590588
## 3355	99.27220	0.006875598	0.56638247	0.68819571	0.71615398
## 3356	99.92133	0.135641873	0.40261376	0.46381259	0.46055537
## 3357	99.92366	0.137103483	0.63768345	0.63989991	0.73706800
## 3358	99.99789	0.678983271	0.65991050	0.69960290	0.73224652
## 3359	90.42142	0.357036144	0.56813854	0.62095422	0.77975291
## 3360	99.90676	0.728902698	0.33035138	0.30945080	0.54894304
## 3361	99.21222	0.184074536	0.30346575	0.26996741	0.53645349
## 3362	99.96163	0.025364559	0.53064591	0.69849092	0.55979455
## 3363	99.91405	0.260602742	0.73375785	0.76054525	0.88525468
## 3364	99.97453	0.502525926	0.48707059	0.57477492	0.65330785
## 3365	99.98577	0.057060216	0.48547241	0.53652334	0.41872352
## 3366	99.96485	0.015061485	0.27622169	0.25921452	0.40113693
## 3367	99.77981	0.437130839	0.35217467	0.32670048	0.56090844
## 3368	99.97110	0.570172608	0.45907301	0.55959523	0.59793025
## 3369	99.81009	0.000712967	0.26844129	0.22878550	0.50541025
## 3370	99.92520	0.000450721	0.24706414	0.19790466	0.42086017
## 3371	99.58937	0.401314974	0.58432305	0.64782995	0.79234993
## 3372	99.78220	0.595301688	0.46003771	0.57828408	0.64206517
## 3373	99.78176	0.003961390	0.28562444	0.27498597	0.45049417
## 3374	99.99181	0.353801847	0.62061250	0.69307893	0.80975228
## 3375	99.94652	0.041490544	0.48001078	0.66230679	0.77531642
## 3376	99.98965	0.874593437	0.43581212	0.45622608	0.46766624
## 3377	99.92618	0.208700761	0.38907626	0.37239230	0.56763887
## 3378	99.96850	0.357982308	0.80801576	0.86459994	0.95863467
## 3379	97.46689	0.460500985	0.65119219	0.51963234	0.59833097

## 3380	99.99343	0.230095580	0.41599590	0.42888153	0.62586254
## 3381	94.99534	0.167117804	0.53718609	0.60828531	0.69472480
## 3382	99.98372	0.142025054	0.27259189	0.27995446	0.45151174
## 3383	99.91963	0.004649105	0.22935242	0.22574443	0.35201877
## 3384	99.76347	0.373876005	0.48262540	0.52879572	0.50427383
## 3385	99.83540	0.001866013	0.28668094	0.23789181	0.42815137
## 3386	99.88296	0.144544184	0.34280556	0.31433022	0.57921714
## 3387	99.57574	0.600052595	0.66104019	0.73684573	0.85933793
## 3388	99.81272	0.324839920	0.34341592	0.32827196	0.45503271
## 3389	99.94728	0.003194975	0.37278390	0.37521821	0.62684798
## 3390	99.29999	0.050323669	0.49789614	0.53658092	0.68030697
## 3391	99.88019	0.481383264	0.31167689	0.40129307	0.48790830
## 3392	99.96097	0.079378672	0.70107514	0.77383453	0.81379712
## 3393	99.95498	0.118377529	0.35896233	0.38536570	0.44812450
## 3394	99.99433	0.597486913	0.41895780	0.54207796	0.54263908
## 3395	99.91547	0.925103962	0.21081071	0.22636466	0.22170511
## 3396	99.90862	0.014106772	0.41821694	0.39523986	0.55011862
## 3397	99.83117	0.013526438	0.62082285	0.61731309	0.78198284
## 3398	99.96485	0.015767697	0.72262037	0.76401865	0.78811800
## 3399	99.57771	0.234198570	0.49693579	0.52946764	0.73022085
## 3400	99.01309	0.993456542	0.24744667	0.29423949	0.37387851
## 3401	99.95964	0.147392243	0.54967123	0.60076070	0.66337365
## 3402	99.70926	0.000847912	0.51065266	0.51997614	0.72513181
## 3403	99.94318	0.555752993	0.40992117	0.49707922	0.64300597
## 3404	99.98095	0.141293272	0.67450786	0.74774450	0.88505185
## 3405	99.91214	0.096552648	0.45383537	0.53002846	0.54305333
## 3406	99.59436	0.001038448	0.42920875	0.58536494	0.62156355
## 3407	99.84142	0.000349817	0.31714225	0.30330753	0.51362652
## 3408	99.98113	0.199008822	0.25427812	0.23270732	0.42191547
## 3409	99.70095	0.282746881	0.64114863	0.73702115	0.85948378
## 3410	99.98274	0.041856490	0.46869412	0.40965417	0.61416006
## 3411	99.93490	0.312404573	0.62456590	0.72210449	0.80717653
## 3412	99.98604	0.029239327	0.46905899	0.47850034	0.66711301
## 3413	99.21554	0.540427923	0.38670427	0.40864602	0.44220337
## 3414	99.91459	0.346501440	0.29002145	0.29388654	0.36380607
## 3415	99.98407	0.198787004	0.64191025	0.69439489	0.78158927
## 3416	99.70370	0.144350439	0.34847707	0.32623154	0.48581889
## 3417	99.23156	0.061431780	0.39725873	0.40272570	0.55477971
## 3418	99.92005	0.010098113	0.44490308	0.49389061	0.62800670
## 3419	99.56409	0.004992061	0.56557542	0.62565708	0.77277666
## 3420	99.90705	0.015546937	0.42059433	0.42621359	0.66470581
## 3421	99.58309	0.501252890	0.28861538	0.31767011	0.44470140
## 3422	99.95120	0.057596557	0.14587583	0.12162783	0.26741168
## 3423	99.90696	0.205867544	0.58201104	0.64522707	0.75361645
## 3424	99.45951	0.948524773	0.16778603	0.15528402	0.13770501
## 3425	97.86574	0.097268440	0.50301671	0.55218726	0.46857640
## 3426	99.86838	0.030597409	0.27849838	0.27297908	0.50629932
## 3427	99.90452	0.991740465	0.30883801	0.31098718	0.37085480
## 3428	99.96981	0.568630278	0.59385729	0.70876575	0.78890538
## 3429	99.98415	0.023423919	0.45021951	0.52668005	0.52213430
## 3430	99.97394	0.289086670	0.46950000	0.51223016	0.58906972
## 3431	99.98085	0.610070646	0.47109210	0.42618886	0.57292694
## 3432	99.99519	0.015780162	0.39536756	0.39691138	0.55205536
## 3433	99.86966	0.628686726	0.54032546	0.62309277	0.77902573

## 3434	99.93632	0.055283010	0.34360930	0.36410499	0.55587691
## 3435	99.94134	0.332556218	0.62222308	0.72574341	0.56336337
## 3436	99.63339	0.004009470	0.69045413	0.70109403	0.79890937
## 3437	99.99572	0.592389762	0.41921541	0.50783777	0.58757675
## 3438	99.93937	0.152123138	0.63299465	0.58312130	0.69016075
## 3439	99.91524	0.932269990	0.11815323	0.08398406	0.07583079
## 3440	99.98260	0.753044426	0.48168880	0.53283954	0.48292726
## 3441	99.96193	0.141368210	0.54774135	0.58195424	0.72045463
## 3442	98.60318	0.247705489	0.47595835	0.46675923	0.47592396
## 3443	99.98813	0.983103693	0.48174575	0.48061770	0.51308078
## 3444	98.18934	0.316614062	0.50596088	0.64987987	0.67424059
## 3445	99.87565	0.677442372	0.48897517	0.63522625	0.51442414
## 3446	99.95661	0.025868656	0.49282181	0.51311982	0.65894216
## 3447	99.96750	0.958314002	0.26419082	0.25932464	0.32948735
## 3448	99.95368	0.506652355	0.56096435	0.60148692	0.73952097
## 3449	99.97683	0.022394395	0.51461112	0.57114822	0.74044544
## 3450	99.98426	0.432425916	0.49067050	0.46670461	0.63361871
## 3451	99.95613	0.031637378	0.31198254	0.36202478	0.41394115
## 3452	99.99466	0.002236775	0.30478573	0.24851267	0.48693788
## 3453	99.27045	0.729601383	0.27217117	0.26962233	0.27345565
## 3454	98.37263	0.004928900	0.84389561	0.84861565	0.79726279
## 3455	99.95326	0.086139478	0.24077392	0.21003687	0.25304699
## 3456	99.87648	0.603850365	0.54954505	0.65541589	0.82239485
## 3457	99.84527	0.000640736	0.45662397	0.43659416	0.65116811
## 3458	99.80762	0.115660749	0.36676905	0.33256227	0.58386159
## 3459	99.93761	0.349519938	0.43265411	0.39531118	0.62841040
## 3460	99.99320	0.021609023	0.35403550	0.35669792	0.55338341
## 3461	99.80993	0.397099674	0.50597519	0.54226172	0.69586754
## 3462	99.99568	0.992705107	0.36408281	0.42174310	0.41037211
## 3463	99.63239	0.032656580	0.30384350	0.27903056	0.55953884
## 3464	99.93705	0.120865837	0.54091954	0.55542427	0.65225393
## 3465	99.96144	0.032719988	0.33720702	0.33187216	0.51181191
## 3466	99.97883	0.092278659	0.48412311	0.53349101	0.74593771
## 3467	99.92082	0.230350554	0.77196372	0.85278684	0.92729104
## 3468	99.75800	0.092228517	0.53159177	0.57309604	0.64204997
## 3469	99.69183	0.115785576	0.68023950	0.67347896	0.77887487
## 3470	96.27740	0.993225276	0.46399710	0.43912754	0.56090760
## 3471	99.93494	0.092493258	0.62415177	0.72508210	0.73396134
## 3472	99.72157	0.189460546	0.53444529	0.62119621	0.66353154
## 3473	99.88064	0.045457527	0.60833907	0.61029798	0.76221228
## 3474	99.60200	0.074375510	0.45879999	0.48912203	0.67337948
## 3475	98.70089	0.126045629	0.65801400	0.72553575	0.83773428
## 3476	99.98640	0.008157684	0.44782680	0.43772453	0.65764934
## 3477	99.94453	0.968087614	0.23530670	0.17108494	0.40572438
## 3478	98.81652	0.086961776	0.29994407	0.33962029	0.52290398
## 3479	99.99180	0.025343647	0.56117690	0.70623261	0.59819841
## 3480	99.94716	0.840405822	0.42572862	0.50233018	0.47508615
## 3481	99.83155	0.013289337	0.39235073	0.44939613	0.58311272
## 3482	99.95269	0.180723637	0.58163392	0.63315314	0.79281348
## 3483	99.92951	0.365127563	0.61829585	0.62174386	0.79728991
## 3484	99.97402	0.011403725	0.46242297	0.50769287	0.69631433
## 3485	99.99419	0.017112697	0.44553116	0.41289034	0.60982913
## 3486	99.85788	0.140214339	0.59287226	0.67291331	0.83046305
## 3487	99.99209	0.400247872	0.52986670	0.53174597	0.61085630

## 3488	99.75677	0.082782537	0.40616071	0.46575364	0.40452310
## 3489	99.62015	0.022903971	0.54052585	0.53249884	0.63623136
## 3490	99.99899	0.787395597	0.43863857	0.44042581	0.41222483
## 3491	99.87663	0.001146768	0.41279674	0.44599903	0.51478171
## 3492	99.96685	0.676848829	0.71533716	0.81400359	0.68058586
## 3493	99.61355	0.000636309	0.16878593	0.13261217	0.24861611
## 3494	99.99381	0.288850963	0.31117994	0.32682693	0.51199853
## 3495	98.15424	0.040229935	0.72917408	0.79422516	0.84253228
## 3496	99.56622	0.780981541	0.37754711	0.33810154	0.35886237
## 3497	99.94981	0.193368182	0.65295404	0.62201399	0.72336483
## 3498	99.94186	0.008664021	0.63877416	0.61550760	0.77016264
## 3499	99.38269	0.000171941	0.33808333	0.27752918	0.48256579
## 3500	97.46180	0.035947394	0.35726118	0.38678259	0.32564655
## 3501	99.95411	0.520139098	0.56210685	0.68654317	0.63267153
## 3502	99.83686	0.030163255	0.42151162	0.43051726	0.66696876
## 3503	99.99195	0.263366163	0.72939080	0.77927828	0.84567094
## 3504	98.72198	0.132406518	0.52126515	0.50730330	0.68033230
## 3505	99.91792	0.000139557	0.27960518	0.25413257	0.47485784
## 3506	97.98437	0.180504888	0.43210262	0.43786320	0.66860867
## 3507	99.89514	0.112063989	0.36184761	0.43280160	0.41061083
## 3508	99.99263	0.313034296	0.66087961	0.70231384	0.83709931
## 3509	99.92852	0.663008571	0.47920266	0.54134876	0.61349565
## 3510	99.57373	0.575275600	0.50078404	0.57087737	0.67659706
## 3511	99.99489	0.983615220	0.28038055	0.22481011	0.15646143
## 3512	99.98155	0.000714537	0.30908149	0.30240470	0.47458705
## 3513	99.67046	0.196181715	0.31053856	0.30004218	0.35322723
## 3514	99.99855	0.042329159	0.64396578	0.68995988	0.82780486
## 3515	99.97613	0.018151961	0.49809012	0.48666131	0.69792312
## 3516	99.90633	0.354284108	0.66074789	0.69362152	0.71793217
## 3517	99.70135	0.200694859	0.48611298	0.53838211	0.52212775
## 3518	99.99585	0.307725847	0.46335483	0.55374992	0.53113830
## 3519	99.97840	0.188059255	0.57173806	0.61590493	0.66321021
## 3520	99.88014	0.471299887	0.40479431	0.36816919	0.53922683
## 3521	99.92275	0.194704548	0.45166901	0.48218217	0.56677109
## 3522	99.99925	0.013717442	0.28970435	0.33820111	0.46209672
## 3523	99.98365	0.324492663	0.56103486	0.60159999	0.71708673
## 3524	99.99399	0.795932591	0.50563985	0.57920712	0.68538654
## 3525	99.80997	0.992808402	0.27401105	0.23409487	0.24572520
## 3526	99.28297	0.019575218	0.50178355	0.50491226	0.69384080
## 3527	99.90592	0.060450874	0.68063515	0.75364572	0.84055346
## 3528	94.36629	0.129708081	0.76948947	0.77770662	0.82598597
## 3529	99.89349	0.640075982	0.50588918	0.62770075	0.70207644
## 3530	99.90752	0.802008390	0.54553884	0.56753826	0.65435272
## 3531	99.13879	0.744247258	0.44966790	0.47336662	0.61143660
## 3532	99.98025	0.002588429	0.54619366	0.55674547	0.69646096
## 3533	99.61581	0.026472706	0.35830495	0.36137450	0.58981419
## 3534	99.96169	0.867853940	0.51562446	0.55828613	0.65324014
## 3535	99.87331	0.025967680	0.37818500	0.33301848	0.59628367
## 3536	99.99203	0.052748311	0.72814590	0.82084143	0.87752587
## 3537	99.93029	0.178184524	0.57667953	0.61752838	0.52095974
## 3538	97.98828	0.008577472	0.59142274	0.75742990	0.79533005
## 3539	99.91875	0.090086579	0.61602742	0.62743580	0.75172699
## 3540	99.96121	0.002358720	0.30442858	0.28944707	0.51550448
## 3541	98.54205	0.968280613	0.15271014	0.12539515	0.22129113

## 3542	99.48528	0.871905744	0.43478131	0.52713031	0.41839117
## 3543	99.13141	0.262928367	0.72873843	0.77539897	0.87114644
## 3544	99.94936	0.020407939	0.56952923	0.54131484	0.72524333
## 3545	99.88722	0.000214521	0.27337670	0.26840955	0.44449836
## 3546	99.99525	0.023149405	0.45236745	0.42841518	0.39178205
## 3547	99.70849	0.492830664	0.34901136	0.35793173	0.53865403
## 3548	99.96781	0.715649605	0.47421736	0.50172657	0.69512111
## 3549	99.92861	0.713259935	0.28433999	0.22524196	0.41859788
## 3550	99.75007	0.638160884	0.47449064	0.55895364	0.56413478
## 3551	99.82871	0.026967652	0.50890660	0.57050627	0.55515331
## 3552	99.71268	0.064130530	0.73801213	0.80807745	0.86160386
## 3553	99.89233	0.985495389	0.64987332	0.76781720	0.62362117
## 3554	99.98477	0.063573733	0.39944285	0.36796990	0.62737060
## 3555	99.98123	0.086668402	0.30662578	0.25875992	0.44804186
## 3556	99.99361	0.045838080	0.51809573	0.50084835	0.62174672
## 3557	99.69416	0.001484073	0.22506751	0.18424311	0.38475981
## 3558	99.99466	0.064683802	0.86573178	0.89722902	0.97378886
## 3559	99.99159	0.183712438	0.08438005	0.06010862	0.15206334
## 3560	99.43555	0.449185997	0.63421839	0.68951541	0.81850052
## 3561	99.95746	0.591634214	0.52082467	0.58295828	0.66535646
## 3562	99.83195	0.057561774	0.54533553	0.56742370	0.56445187
## 3563	99.93161	0.555884838	0.50213361	0.46867067	0.65343201
## 3564	99.79502	0.169764236	0.50193793	0.54573184	0.60984987
## 3565	99.43289	0.107915349	0.63962090	0.73065185	0.87247384
## 3566	99.92702	0.994926631	0.26634860	0.45030248	0.38916877
## 3567	99.84640	0.728491008	0.69027394	0.74100935	0.80527854
## 3568	99.15818	0.051588431	0.57089907	0.67153078	0.75737882
## 3569	96.04836	0.000339677	0.90487707	0.93288112	0.80922163
## 3570	97.49459	0.629565358	0.63106430	0.63946879	0.80075204
## 3571	99.89857	0.001490765	0.44357103	0.39386767	0.57187766
## 3572	98.54810	0.807479978	0.57067704	0.62448341	0.67636591
## 3573	99.89045	0.009535774	0.46141162	0.45562521	0.69636124
## 3574	99.58273	0.271906137	0.65994465	0.71218711	0.76611459
## 3575	99.93875	0.911387920	0.32082698	0.30381647	0.42854920
## 3576	99.59379	0.379680723	0.60131371	0.60167790	0.77358699
## 3577	99.49502	0.014449154	0.40970752	0.34721753	0.58613104
## 3578	98.83760	0.096561678	0.57960463	0.67237860	0.75283658
## 3579	98.55032	0.110554762	0.40786898	0.45829311	0.65787393
## 3580	99.92055	0.045271192	0.61931980	0.74913651	0.74204785
## 3581	99.63422	0.021860130	0.70043832	0.75265443	0.78732753
## 3582	99.95356	0.541415632	0.43966797	0.46978089	0.67424858
## 3583	97.85720	0.104205966	0.59034431	0.61120838	0.72934461
## 3584	99.80477	0.277290404	0.59712112	0.65450430	0.71192330
## 3585	99.95902	0.715651274	0.32205823	0.33767757	0.45095536
## 3586	99.88011	0.087627478	0.35498262	0.38914797	0.50257409
## 3587	99.64467	0.391676992	0.38703063	0.47513866	0.64115679
## 3588	98.76147	0.227530479	0.25880539	0.22957209	0.44621840
## 3589	99.96614	0.273430258	0.45666000	0.41481030	0.65253037
## 3590	99.74923	0.103134334	0.33248454	0.32733217	0.56537014
## 3591	99.98435	0.011238163	0.46920136	0.53030372	0.70153749
## 3592	99.99807	0.008231606	0.67985940	0.77321053	0.85708731
## 3593	99.96450	0.303428829	0.68430912	0.74641162	0.84055704
## 3594	99.85763	0.249071062	0.56923628	0.63303673	0.70151484
## 3595	99.91489	0.002056681	0.37650561	0.39849633	0.60437441

## 3596	99.94488	0.029756704	0.43733150	0.40734473	0.58173007
## 3597	99.98235	0.006416759	0.51007181	0.57716000	0.76220948
## 3598	99.67422	0.066121392	0.54228926	0.66559458	0.75376612
## 3599	99.43974	0.101446040	0.75777590	0.83512288	0.85881358
## 3600	99.94074	0.589512944	0.12762612	0.12177931	0.19850261
## 3601	99.87339	0.215828195	0.23860937	0.24383977	0.24974981
## 3602	99.85059	0.201889336	0.68390936	0.79064202	0.91471326
## 3603	99.77327	0.388581216	0.49544522	0.50524724	0.65339702
## 3604	99.03929	0.135427386	0.66540223	0.71538413	0.80486429
## 3605	99.98939	0.163945809	0.66805303	0.65876436	0.78112251
## 3606	97.87960	0.001155254	0.55521864	0.54084831	0.71589744
## 3607	99.81018	0.071889222	0.62503427	0.56033605	0.60321617
## 3608	99.99282	0.015202680	0.46250650	0.50747562	0.66365915
## 3609	99.76247	0.230580956	0.61605936	0.70274395	0.83823550
## 3610	99.95789	0.070149302	0.58490509	0.67066187	0.78585732
## 3611	99.91999	0.283497810	0.70137501	0.61145574	0.65788972
## 3612	99.38898	0.769911468	0.31121385	0.40152466	0.45274731
## 3613	99.98147	0.499209821	0.66515636	0.70502305	0.80914098
## 3614	99.98945	0.796077669	0.40335447	0.39713180	0.51308614
## 3615	99.95875	0.411986440	0.50849104	0.58475482	0.64661664
## 3616	99.38217	0.306335837	0.51108295	0.54157615	0.70165592
## 3617	99.86028	0.288265139	0.44047165	0.40704793	0.57566237
## 3618	99.94749	0.065644175	0.32956025	0.36390632	0.38284269
## 3619	99.99752	0.102087751	0.25978789	0.23120236	0.42120677
## 3620	99.95392	0.647114933	0.43287897	0.37106407	0.53300196
## 3621	99.71296	0.004612733	0.60443461	0.65551680	0.71416807
## 3622	99.94538	0.764605999	0.57783788	0.55866444	0.65645647
## 3623	99.83139	0.826080799	0.54724926	0.72472608	0.58291668
## 3624	99.98073	0.047710933	0.78712314	0.79066664	0.80089790
## 3625	98.85332	0.103800781	0.48848611	0.55387431	0.71070892
## 3626	98.84861	0.018397095	0.34890282	0.36084741	0.55731911
## 3627	99.96168	0.244757175	0.54040945	0.62355608	0.69412202
## 3628	99.45820	0.546641409	0.66573501	0.65996903	0.75690210
## 3629	98.98069	0.009334909	0.64192909	0.69856495	0.51203984
## 3630	98.65728	0.149356350	0.47871613	0.47193098	0.46305707
## 3631	99.19078	0.925857306	0.13073346	0.10589550	0.17650595
## 3632	98.65431	0.077781275	0.74113005	0.77225602	0.87929273
## 3633	99.98783	0.043808453	0.32347485	0.32740945	0.49413145
## 3634	99.86150	0.043596216	0.39295948	0.34802470	0.57692999
## 3635	99.96375	0.055428848	0.46404213	0.50701898	0.69065416
## 3636	99.97941	0.024151647	0.53076619	0.59773767	0.64194632
## 3637	99.99931	0.181243375	0.44162077	0.44158867	0.63749051
## 3638	99.84123	0.065771304	0.67422962	0.74470729	0.81009543
## 3639	99.97133	0.002168612	0.42810315	0.46346936	0.39575309
## 3640	99.89089	0.789902151	0.72582281	0.75516295	0.87009728
## 3641	99.86038	0.000296699	0.23540001	0.18807109	0.43206251
## 3642	99.81085	0.843363881	0.41290951	0.43198904	0.66113365
## 3643	99.98905	0.077277675	0.30212125	0.31941685	0.54936314
## 3644	99.96948	0.180840030	0.49709091	0.56461382	0.68993831
## 3645	98.16215	0.088951595	0.67163289	0.69245970	0.79934222
## 3646	99.98064	0.429911822	0.59113115	0.67975438	0.80986339
## 3647	99.85497	0.122299835	0.26440156	0.22717233	0.45712477
## 3648	99.74658	0.774110734	0.33105028	0.29490235	0.47144356
## 3649	99.30657	0.022077141	0.74875498	0.83596164	0.81388026

## 3650	99.63020	0.578896582	0.47476083	0.56259793	0.60108215
## 3651	99.95451	0.000128101	0.45448858	0.41310737	0.61893481
## 3652	99.56752	0.000853019	0.28638053	0.29452702	0.45876417
## 3653	99.45633	0.570629776	0.41868678	0.43483451	0.62268722
## 3654	99.98118	0.302697062	0.52431244	0.56495917	0.73964900
## 3655	99.98752	0.581673026	0.60365134	0.67723024	0.50087667
## 3656	99.58977	0.517082691	0.69224364	0.76970315	0.78112036
## 3657	98.00865	0.417458534	0.59308100	0.63543725	0.77524942
## 3658	99.96626	0.402525216	0.58355123	0.63382995	0.48385584
## 3659	99.88133	0.068405248	0.65168828	0.72715873	0.84179789
## 3660	99.08394	0.763203859	0.12834701	0.09923265	0.06404734
## 3661	99.13487	0.195781291	0.80849135	0.79352581	0.79336739
## 3662	99.72367	0.739316940	0.48807609	0.55677694	0.67725688
## 3663	99.92752	0.458966494	0.58578116	0.66733855	0.78678560
## 3664	99.85003	0.470087022	0.56628358	0.64537686	0.77632099
## 3665	99.97853	0.751331568	0.43506649	0.54134983	0.65562040
## 3666	99.17954	0.312306404	0.49893302	0.47894639	0.58203602
## 3667	99.77580	0.186326027	0.47801840	0.47286823	0.57262194
## 3668	99.96041	0.065079622	0.37868568	0.37448737	0.57309699
## 3669	99.92696	0.065812185	0.39925447	0.42971796	0.54512525
## 3670	91.68471	0.992103815	0.65605730	0.76124197	0.81046426
## 3671	99.99862	0.032293960	0.51152843	0.57751471	0.73074847
## 3672	99.95469	0.510161698	0.46021429	0.50035781	0.59551150
## 3673	99.98685	0.858168900	0.35252491	0.40502587	0.44995379
## 3674	99.71476	0.417055190	0.31751898	0.40134278	0.36463878
## 3675	99.97987	0.467789590	0.67752177	0.72330505	0.85440910
## 3676	99.95922	0.231268540	0.73675919	0.79139215	0.84965056
## 3677	99.98853	0.105316199	0.55103147	0.63401246	0.58497459
## 3678	99.98294	0.794458568	0.36626980	0.35273766	0.56094336
## 3679	99.88456	0.136191070	0.44205153	0.48562860	0.65478736
## 3680	91.95964	0.557509065	0.61442441	0.70024866	0.61127770
## 3681	99.88403	0.225969270	0.66386211	0.65753120	0.78821671
## 3682	99.94372	0.019364225	0.56302959	0.57633877	0.75875854
## 3683	99.79143	0.002392721	0.59261513	0.68633676	0.62661713
## 3684	99.51679	0.243731797	0.58519542	0.67092639	0.76888734
## 3685	98.95976	0.158991978	0.62426364	0.75488001	0.73468649
## 3686	99.99402	0.559852540	0.40778118	0.41929749	0.64361620
## 3687	99.92270	0.655345619	0.57487643	0.65775496	0.70598674
## 3688	99.98769	0.174443394	0.52221721	0.58691639	0.69547999
## 3689	99.99531	0.097407259	0.86365444	0.87064970	0.86221945
## 3690	99.78580	0.518859863	0.54516822	0.64201903	0.55603981
## 3691	99.97870	0.114874698	0.46837932	0.47489238	0.62037480
## 3692	98.46730	0.834722877	0.35745534	0.31656444	0.49381828
## 3693	99.93304	0.009981022	0.42013842	0.41744912	0.65890139
## 3694	99.97794	0.465483367	0.47200295	0.50461459	0.43762615
## 3695	99.93001	0.345185459	0.62211943	0.61737168	0.70974332
## 3696	99.94915	0.226748616	0.61339152	0.71422172	0.84507626
## 3697	97.76829	0.020503145	0.54540747	0.60646707	0.79413241
## 3698	99.55655	0.328258753	0.49714375	0.56633002	0.71815753
## 3699	99.92752	0.988577843	0.54611361	0.62096214	0.74415332
## 3700	99.31996	0.073440246	0.29428178	0.32608053	0.33186340
## 3701	99.45851	0.000895699	0.24598947	0.21299183	0.39214930
## 3702	99.95002	0.000766637	0.58161038	0.62782466	0.70501649
## 3703	96.82141	0.000119005	0.24484438	0.21881539	0.48649147

## 3704	99.97843	0.034904491	0.40206885	0.42324734	0.57279235
## 3705	99.94573	0.028798489	0.50153047	0.46086112	0.67700505
## 3706	95.26972	0.225422964	0.45261112	0.50135022	0.66073638
## 3707	99.85029	0.190385729	0.58372492	0.60305959	0.78587538
## 3708	99.77099	0.822815061	0.40619841	0.41879487	0.43147007
## 3709	99.75974	0.214175448	0.66071552	0.67982733	0.64947724
## 3710	99.78143	0.012650807	0.65069818	0.68055242	0.82477009
## 3711	96.77778	0.896300137	0.49761444	0.59415293	0.64001799
## 3712	99.94431	0.005701483	0.28634676	0.28536785	0.49722675
## 3713	99.65691	0.296433091	0.44707185	0.42927331	0.60066712
## 3714	99.66122	0.357054204	0.56279468	0.64256221	0.65049231
## 3715	99.98376	0.283567190	0.56097448	0.57367587	0.73397011
## 3716	99.89437	0.043523178	0.63845468	0.62884110	0.74121731
## 3717	99.72526	0.142280489	0.69920415	0.68529248	0.75156599
## 3718	99.39643	0.034958113	0.52463079	0.52230734	0.65671200
## 3719	99.97576	0.988991797	0.45807233	0.42184535	0.50873178
## 3720	99.97844	0.156330988	0.37454739	0.36357552	0.59583306
## 3721	99.99784	0.973188579	0.32082757	0.41429868	0.46092355
## 3722	99.81525	0.028638516	0.83069688	0.87015134	0.96099269
## 3723	99.94227	0.200804874	0.64565975	0.67297685	0.78711128
## 3724	99.91057	0.000016400	0.29438603	0.25981033	0.46670070
## 3725	99.95387	0.359450161	0.66192257	0.68333638	0.77190196
## 3726	99.46200	0.295099407	0.53524750	0.58245242	0.57378703
## 3727	99.64777	0.040449314	0.08251947	0.05841101	0.07919840
## 3728	98.43111	0.353168607	0.65281308	0.68156415	0.74873608
## 3729	99.66280	0.079748183	0.47489503	0.52404988	0.58170873
## 3730	99.97703	0.332224965	0.66978490	0.75007522	0.77967590
## 3731	99.65803	0.319262654	0.45379335	0.50571525	0.57180172
## 3732	99.93477	0.117456533	0.52544105	0.56368977	0.71827769
## 3733	99.96912	0.015970159	0.66382361	0.74754822	0.82869303
## 3734	99.93846	0.483915299	0.52683723	0.63513261	0.65049773
## 3735	98.89509	0.147351161	0.49780646	0.56447679	0.71279901
## 3736	99.93812	0.624271870	0.41888049	0.40670076	0.62118572
## 3737	99.97506	0.251796812	0.35782471	0.39966670	0.58357108
## 3738	99.97478	0.003730042	0.54717493	0.64758492	0.75309640
## 3739	99.94878	0.060123686	0.49504709	0.54438591	0.58934784
## 3740	99.34448	0.832083225	0.46495363	0.40388197	0.61115819
## 3741	99.80777	0.270153373	0.64011615	0.74585450	0.87966740
## 3742	99.99675	0.493336409	0.38303816	0.43463394	0.57751215
## 3743	99.92973	0.859825909	0.34976062	0.49822769	0.48546678
## 3744	99.79160	0.969570935	0.15031952	0.10773290	0.09782335
## 3745	98.87034	0.468247473	0.30932167	0.32435402	0.38760880
## 3746	99.95828	0.451773763	0.45328197	0.46555090	0.64437836
## 3747	99.96552	0.244218320	0.53930491	0.57592350	0.71727318
## 3748	99.90966	0.254435927	0.37867084	0.46863553	0.43456250
## 3749	99.64934	0.894760668	0.45799038	0.51607919	0.55802131
## 3750	99.95166	0.000909036	0.71186751	0.72887880	0.85328972
## 3751	95.91129	0.170343012	0.58387667	0.61421126	0.60280406
## 3752	99.82471	0.018866455	0.51953042	0.53599203	0.73844290
## 3753	98.99703	0.655014515	0.42710987	0.46858841	0.55079097
## 3754	99.52935	0.327325135	0.39054999	0.47089487	0.46102384
## 3755	99.87221	0.710340619	0.57953882	0.65816498	0.71564812
## 3756	99.86430	0.285313874	0.34380549	0.29401207	0.54338080
## 3757	99.97894	0.018861819	0.33208951	0.39093718	0.33604449

## 3758	99.92734	0.718091071	0.53962368	0.60389525	0.74745405
## 3759	99.33882	0.186728552	0.61311281	0.68553036	0.85232007
## 3760	99.99873	0.068251528	0.55068964	0.54751074	0.65809077
## 3761	99.99847	0.104665600	0.64078426	0.68775123	0.74840665
## 3762	99.95333	0.169238910	0.58440971	0.64470798	0.71312940
## 3763	99.98763	0.690734267	0.40924999	0.42902690	0.39451727
## 3764	99.84684	0.605661273	0.59050292	0.65599680	0.75723332
## 3765	99.42103	0.266760290	0.29956463	0.30490342	0.37166542
## 3766	99.96671	0.540985227	0.49144077	0.52771103	0.62739575
## 3767	99.95382	0.560949206	0.52315819	0.57930732	0.75104457
## 3768	99.47901	0.000028100	0.26542154	0.21441911	0.45775920
## 3769	99.95209	0.009825860	0.33314931	0.30690670	0.51782012
## 3770	99.97676	0.120678730	0.51445514	0.54620051	0.60470510
## 3771	99.97215	0.140427262	0.07013699	0.04975664	0.18263617
## 3772	98.22233	0.290363342	0.73549211	0.74398667	0.78788155
## 3773	99.92945	0.560829699	0.59343582	0.58102572	0.67777216
## 3774	99.27647	0.000049900	0.30321655	0.25685933	0.44783035
## 3775	99.67059	0.028243059	0.68820870	0.77010167	0.76974243
## 3776	99.98051	0.398902327	0.27383754	0.26053557	0.49908569
## 3777	99.98505	0.092676476	0.77116978	0.84820569	0.87087327
## 3778	98.53724	0.614882827	0.33929601	0.31290028	0.42757744
## 3779	99.78797	0.119085632	0.23905489	0.20284531	0.18042555
## 3780	99.93798	0.404620647	0.43462384	0.51181173	0.63449830
## 3781	99.96445	0.018550778	0.50419140	0.58711582	0.69536811
## 3782	99.87643	0.352878958	0.71497691	0.82802033	0.93061674
## 3783	99.74873	0.016570985	0.53986478	0.60297292	0.70535207
## 3784	99.97977	0.870868981	0.24905300	0.19105183	0.31353062
## 3785	99.94358	0.000842267	0.40280399	0.36278024	0.58345234
## 3786	99.93384	0.001802958	0.44881952	0.48523387	0.62701487
## 3787	99.99818	0.664252400	0.40850627	0.40886432	0.60894316
## 3788	99.90555	0.811789632	0.38214204	0.38954848	0.41848934
## 3789	99.83646	0.559100568	0.40519023	0.44595924	0.55571890
## 3790	99.87805	0.032678563	0.46869615	0.45224804	0.68028408
## 3791	99.18657	0.095946282	0.72736794	0.80527735	0.91542447
## 3792	99.99381	0.062117033	0.33198079	0.44800875	0.38353825
## 3793	99.94444	0.020102229	0.37066633	0.36077991	0.61118466
## 3794	99.89559	0.000000000	0.00000000	0.00000000	0.00000000
## 3795	98.80790	0.036607269	0.09017986	0.06381159	0.08777931
## 3796	99.43751	0.760246515	0.61993134	0.70462441	0.82833386
## 3797	99.73387	0.971115351	0.51405901	0.58570164	0.55464667
## 3798	99.99673	0.158204406	0.50153172	0.53425944	0.68875617
## 3799	99.94625	0.435650945	0.38776147	0.43939015	0.49449998
## 3800	99.78075	0.009694664	0.55221236	0.53660500	0.67837548
## 3801	99.97892	0.227076560	0.52899641	0.67877859	0.66857714
## 3802	99.00349	0.543279886	0.61720121	0.64754206	0.72373724
## 3803	99.93180	0.411606073	0.55916703	0.59024113	0.75288945
## 3804	98.73610	0.110852018	0.58913350	0.61001355	0.77021951
## 3805	98.72899	0.472074866	0.31400970	0.34795490	0.51933199
## 3806	95.08098	0.113221489	0.74685347	0.80821765	0.93469167
## 3807	99.72168	0.028354282	0.33080500	0.35090342	0.55316699
## 3808	99.95411	0.142897010	0.70551050	0.66895473	0.70541054
## 3809	99.97555	0.121026829	0.45212799	0.47242436	0.66807812
## 3810	99.92751	0.002945836	0.38427401	0.37924319	0.50909072
## 3811	99.90971	0.652881265	0.59963113	0.70691061	0.70975584

## 3812	99.97261	0.031320293	0.40009171	0.34750357	0.52671325
## 3813	99.97383	0.017355224	0.26702839	0.22193780	0.48535329
## 3814	99.97354	0.618043661	0.69724745	0.73733491	0.81929392
## 3815	99.92735	0.008059024	0.54750001	0.53827399	0.72342598
## 3816	99.98382	0.051960997	0.55484349	0.61300015	0.78133953
## 3817	99.99364	0.148241878	0.83031160	0.83908993	0.76580310
## 3818	99.79999	0.000077300	0.33426589	0.27695247	0.52032214
## 3819	99.68138	0.476355165	0.63722116	0.70978850	0.74631774
## 3820	99.98215	0.125495940	0.32376823	0.27519381	0.53362483
## 3821	98.77165	0.000327056	0.25602248	0.22643870	0.19032428
## 3822	99.95305	0.061119713	0.72060907	0.74487555	0.77353412
## 3823	96.05651	0.052125759	0.62136996	0.55809969	0.63729668
## 3824	99.99376	0.268933445	0.56477130	0.54024732	0.62166756
## 3825	99.98718	0.001139259	0.34309232	0.36262822	0.54145283
## 3826	99.89025	0.063875169	0.78136468	0.82924807	0.84389728
## 3827	99.97276	0.139545605	0.09531095	0.06838395	0.09278484
## 3828	99.74547	0.108270794	0.62001991	0.66120887	0.79319799
## 3829	99.93531	0.586974144	0.25346604	0.21552281	0.31875011
## 3830	99.92144	0.083817273	0.55219281	0.55409056	0.71097243
## 3831	99.74824	0.054388698	0.44500724	0.63497585	0.51356673
## 3832	99.99117	0.411763698	0.48809829	0.58108431	0.71180153
## 3833	99.88532	0.025277568	0.57679546	0.67022365	0.81470889
## 3834	99.97100	0.089794673	0.30456871	0.29525140	0.45613536
## 3835	99.80549	0.257243931	0.67986679	0.71096086	0.75091231
## 3836	99.27304	0.537426710	0.58591050	0.64927775	0.78926480
## 3837	99.96512	0.434311628	0.27363023	0.26805589	0.32483360
## 3838	99.77920	0.586560726	0.34310320	0.39291143	0.52604866
## 3839	99.94528	0.123444729	0.42358264	0.38203540	0.55284876
## 3840	99.92268	0.894234478	0.49543750	0.56809580	0.67369670
## 3841	99.91284	0.127591923	0.61423028	0.64748782	0.79694742
## 3842	99.82112	0.270175159	0.37732291	0.38659358	0.58977979
## 3843	99.27432	0.789268494	0.52874523	0.64348739	0.55582851
## 3844	99.99738	0.370726615	0.50720775	0.57015973	0.62813860
## 3845	99.47454	0.318498105	0.55058926	0.56332540	0.64707249
## 3846	99.86011	0.924258411	0.16798388	0.12576152	0.11012158
## 3847	99.98946	0.003239405	0.29958802	0.27783793	0.51458323
## 3848	99.98091	0.411233425	0.48828834	0.49866515	0.65633702
## 3849	99.73145	0.226061478	0.44711170	0.58307868	0.58940309
## 3850	99.99571	0.188863114	0.60244304	0.64985168	0.74001163
## 3851	99.78229	0.224958435	0.45808399	0.39162815	0.58260369
## 3852	99.51256	0.088370733	0.57437366	0.70092809	0.63406324
## 3853	99.75950	0.031337727	0.40337643	0.34280625	0.53252625
## 3854	99.73467	0.397962570	0.23061797	0.17527763	0.18234459
## 3855	99.72401	0.680052638	0.43277746	0.50141436	0.59700763
## 3856	99.99205	0.034663945	0.50744134	0.56337684	0.70581120
## 3857	99.65668	0.545355082	0.43539426	0.51349175	0.56689888
## 3858	99.96728	0.994406521	0.35237810	0.34254336	0.34958285
## 3859	99.02919	0.094270729	0.62830782	0.68410856	0.53663450
## 3860	99.97796	0.007891254	0.67264557	0.71134043	0.81184655
## 3861	99.85153	0.089236937	0.60415888	0.66132569	0.71909928
## 3862	99.66427	0.344871044	0.58840948	0.65752977	0.80712473
## 3863	99.47300	0.096112803	0.62509441	0.75215363	0.85574299
## 3864	99.48784	0.678157747	0.53916216	0.69536597	0.61642951
## 3865	99.96529	0.070366025	0.50499171	0.52544051	0.68460411

## 3866	99.95228	0.260547608	0.47252732	0.56648892	0.63404703
## 3867	99.98908	0.027820090	0.71640891	0.67826581	0.73106778
## 3868	99.98617	0.081061162	0.48663220	0.51472771	0.67774916
## 3869	99.95790	0.445771784	0.69012088	0.70712131	0.75539625
## 3870	99.96122	0.465522617	0.62510490	0.65665984	0.80398846
## 3871	99.50524	0.048747718	0.68125629	0.68391532	0.78024328
## 3872	99.99856	0.034998678	0.53766644	0.59036571	0.61122686
## 3873	99.89519	0.735139132	0.57021123	0.61847025	0.66199624
## 3874	99.99120	0.278606445	0.40581682	0.38817885	0.60342783
## 3875	99.46392	0.709078670	0.60806513	0.62436849	0.76354164
## 3876	99.94993	0.393585861	0.70362890	0.72454411	0.81059957
## 3877	99.96236	0.306282341	0.56389528	0.63343132	0.49343255
## 3878	99.98309	0.275054961	0.58545881	0.60937458	0.72124207
## 3879	99.22219	0.787344038	0.36803079	0.34609342	0.37527272
## 3880	97.02684	0.022772621	0.52018666	0.61276632	0.57769620
## 3881	99.70823	0.000000000	0.00000000	0.00000000	0.00000000
## 3882	99.98838	0.007543623	0.38656533	0.34429812	0.58248079
## 3883	98.64261	0.107697994	0.38678560	0.42435873	0.40910488
## 3884	99.96798	0.855670869	0.30697173	0.31041950	0.46450278
## 3885	99.96509	0.002534040	0.26140371	0.24350698	0.47839764
## 3886	99.63702	0.006125992	0.68325859	0.77254355	0.86690634
## 3887	99.76461	0.139752448	0.47124094	0.48651189	0.61039394
## 3888	98.88939	0.490001798	0.52409166	0.60166615	0.56037080
## 3889	99.76008	0.061174732	0.50452566	0.51275033	0.64019978
## 3890	99.49925	0.492894262	0.48887050	0.50336486	0.64555937
## 3891	98.85535	0.101260319	0.40224251	0.38912663	0.59697866
## 3892	99.84124	0.007608447	0.36476186	0.30268395	0.55721104
## 3893	99.99143	0.031895779	0.61816364	0.66265118	0.74858904
## 3894	99.98933	0.027658971	0.42328286	0.49019164	0.48905635
## 3895	99.98509	0.024854770	0.60119659	0.63003200	0.75454575
## 3896	99.06837	0.580938160	0.69041032	0.74091220	0.88525200
## 3897	99.98961	0.008777600	0.41752189	0.37443837	0.59571576
## 3898	99.89703	0.379807085	0.25178000	0.25303528	0.25162303
## 3899	99.90582	0.035087679	0.23462701	0.24630780	0.37539262
## 3900	95.51184	0.165459290	0.75748909	0.81578058	0.90626258
## 3901	99.85014	0.221610978	0.09381600	0.07357310	0.13115601
## 3902	99.79248	0.238250777	0.58217102	0.60130835	0.74678016
## 3903	99.86797	0.760535121	0.31219852	0.29895502	0.46870589
## 3904	99.98197	0.152994543	0.58479577	0.66078442	0.74053723
## 3905	99.96784	0.024391344	0.48749390	0.53813171	0.65261054
## 3906	99.11931	0.008337561	0.77111620	0.85274273	0.79244304
## 3907	99.06571	0.037346691	0.57595021	0.55026710	0.64488035
## 3908	99.96658	0.148303121	0.25360727	0.20622389	0.31253883
## 3909	99.85270	0.707205057	0.62263507	0.74753267	0.82384718
## 3910	99.97662	0.888734043	0.30787882	0.42387396	0.53255254
## 3911	99.85158	0.693971753	0.72471005	0.78391212	0.85156888
## 3912	99.39563	0.276883125	0.30108503	0.32882461	0.43905154
## 3913	99.97698	0.883904338	0.63766664	0.67877763	0.64141291
## 3914	99.39085	0.136569694	0.47756436	0.51513869	0.66680366
## 3915	99.95503	0.477210343	0.72734493	0.78931951	0.90940338
## 3916	99.53679	0.881354272	0.55188888	0.49919269	0.62454498
## 3917	99.99842	0.045380007	0.38555774	0.40033057	0.52174807
## 3918	99.90370	0.036737606	0.65593332	0.68691426	0.80516446
## 3919	99.69224	0.659410059	0.41111401	0.35047457	0.46409097

## 3920	99.98152	0.246510059	0.61064625	0.66895825	0.78421795
## 3921	99.97926	0.010170331	0.38641396	0.38008964	0.47445500
## 3922	99.84968	0.254231930	0.82887566	0.83645797	0.83226252
## 3923	99.99949	0.060385767	0.48288655	0.45578784	0.67515343
## 3924	99.98656	0.139034510	0.64355421	0.74498671	0.86862820
## 3925	99.44253	0.076100707	0.52117926	0.57072198	0.70871550
## 3926	99.97792	0.689953446	0.67551774	0.66509455	0.73213518
## 3927	99.95821	0.849618614	0.38546044	0.39756396	0.33363816
## 3928	99.84167	0.008338488	0.40056035	0.43795767	0.68518776
## 3929	99.99526	0.229049772	0.61431766	0.63930798	0.78128368
## 3930	99.96521	0.667006850	0.44680193	0.43898052	0.66152525
## 3931	98.68736	0.061082944	0.38627738	0.37526876	0.61344427
## 3932	99.96001	0.174453869	0.52696252	0.58885813	0.73231137
## 3933	99.91656	0.122259691	0.36485293	0.37919378	0.60014540
## 3934	99.97606	0.844485283	0.78795236	0.82139456	0.89967459
## 3935	99.67867	0.312757313	0.70159560	0.64309806	0.68741679
## 3936	99.98388	0.380194277	0.50181466	0.56013620	0.65530616
## 3937	99.37666	0.006073934	0.19105658	0.15779744	0.40887308
## 3938	99.97851	0.000101375	0.32172346	0.27936485	0.41808200
## 3939	99.95693	0.033822022	0.57262665	0.54928011	0.68120903
## 3940	93.77153	0.198853016	0.39505780	0.39144480	0.64893758
## 3941	99.97270	0.156319559	0.58429462	0.66650325	0.72830594
## 3942	99.96779	0.935804844	0.51709473	0.66560268	0.62924683
## 3943	99.99958	0.145408690	0.58832848	0.58987981	0.75885719
## 3944	99.30523	0.189995855	0.41431290	0.42036468	0.61854160
## 3945	99.80423	0.140301898	0.54136717	0.50969583	0.49869353
## 3946	99.84085	0.091851383	0.64494699	0.68853468	0.74314547
## 3947	99.78905	0.508172631	0.54048514	0.59791547	0.64505667
## 3948	99.39014	0.515379846	0.48178524	0.49781415	0.66143703
## 3949	99.70974	0.340672851	0.75144738	0.80226553	0.92555028
## 3950	99.78561	0.385934800	0.52089524	0.55824631	0.68320769
## 3951	99.55368	0.208659813	0.41888598	0.43479839	0.61083108
## 3952	99.96326	0.245681822	0.45375297	0.41987148	0.63954550
## 3953	99.80625	0.831657231	0.45253024	0.48961395	0.61712241
## 3954	99.94506	0.409545362	0.31351495	0.29144385	0.52694315
## 3955	99.97857	0.228187159	0.48519498	0.45023215	0.59903193
## 3956	99.87060	0.613895178	0.54890138	0.49786523	0.60582721
## 3957	99.98896	0.464271724	0.48254839	0.52321458	0.63320732
## 3958	99.98080	0.586522281	0.31980491	0.39816198	0.44390240
## 3959	99.96091	0.662742436	0.43321601	0.55623543	0.53298104
## 3960	99.95049	0.191944599	0.37964389	0.38041687	0.63197845
## 3961	99.94887	0.087104484	0.53669554	0.53103322	0.69478947
## 3962	99.97673	0.203979790	0.75351936	0.69747496	0.64345628
## 3963	99.98910	0.012050594	0.47939757	0.47892302	0.67332107
## 3964	99.52393	0.803968549	0.14682759	0.11890399	0.20731717
## 3965	99.65997	0.053859405	0.57562399	0.60398376	0.70589000
## 3966	99.87865	0.022182694	0.56439799	0.54870427	0.72415560
## 3967	99.97726	0.624916434	0.23833929	0.23105580	0.44588026
## 3968	99.82370	0.217704713	0.74783516	0.76163793	0.84289163
## 3969	99.87980	0.404136032	0.32648170	0.36002776	0.44537121
## 3970	98.99333	0.045941573	0.56802452	0.61548406	0.76618195
## 3971	99.54714	0.462223679	0.36760417	0.34088701	0.54330283
## 3972	99.88792	0.109416969	0.76959997	0.85321015	0.85752803
## 3973	99.88975	0.165179074	0.63304150	0.70378596	0.74259275

## 3974	99.98906	0.103292406	0.68815988	0.78456777	0.89471453
## 3975	97.79304	0.185383663	0.54957294	0.58354771	0.74086165
## 3976	99.96960	0.078450099	0.52585435	0.57665676	0.72171605
## 3977	99.86689	0.135143265	0.38960081	0.38321641	0.39780065
## 3978	99.98129	0.818669736	0.24974372	0.24080101	0.29658019
## 3979	99.97085	0.954843462	0.72082233	0.76806444	0.64409989
## 3980	99.95929	0.648156762	0.43243343	0.48906484	0.62274367
## 3981	92.83678	0.016221868	0.45044804	0.49565694	0.64534259
## 3982	99.91602	0.017573446	0.38601607	0.42491689	0.38333568
## 3983	95.45537	0.334708244	0.37351131	0.35505831	0.60839438
## 3984	99.96424	0.753293216	0.57819033	0.61466342	0.76359379
## 3985	94.48108	0.255852014	0.64700002	0.73034579	0.77114546
## 3986	99.80098	0.006755628	0.58878016	0.57840270	0.74088693
## 3987	99.99806	0.067920551	0.59731054	0.59860021	0.69555712
## 3988	99.83496	0.022368133	0.57971281	0.58596981	0.76547426
## 3989	99.98461	0.026050866	0.70767701	0.76208568	0.85501933
## 3990	96.57470	0.903186858	0.33511564	0.38952592	0.41899461
## 3991	99.99124	0.013672583	0.35366568	0.32560396	0.49443212
## 3992	99.87672	0.371995628	0.59874600	0.72428995	0.73446947
## 3993	99.86508	0.253034085	0.52210093	0.47925809	0.59627891
## 3994	99.99454	0.193827137	0.59863448	0.57523620	0.67213869
## 3995	99.88634	0.009699273	0.49406323	0.49277100	0.70762712
## 3996	99.94903	0.276410639	0.51183844	0.45171818	0.57973719
## 3997	99.62904	0.068684705	0.39907247	0.37529156	0.60576332
## 3998	99.99847	0.258627594	0.48149499	0.49704248	0.70703596
## 3999	99.87545	0.129693747	0.10176341	0.07573727	0.13405389
## 4000	99.97067	0.002342294	0.52927303	0.58408606	0.69496560
## 4001	99.72911	0.084111378	0.41884032	0.39727277	0.63821960
## 4002	99.91328	0.015261030	0.64836955	0.74300486	0.81732202
## 4003	99.93542	0.046860363	0.36954531	0.32278371	0.54542130
## 4004	99.92520	0.083001040	0.50915062	0.53850776	0.71784085
## 4005	99.56074	0.073658124	0.41283140	0.38978890	0.60322261
## 4006	99.99005	0.755605698	0.66198802	0.69259417	0.82350898
## 4007	99.96559	0.271599114	0.52170616	0.62664205	0.67209315
## 4008	98.84419	0.000021800	0.24936000	0.22094628	0.40298837
## 4009	99.99815	0.013940615	0.64552611	0.65220004	0.72595960
## 4010	99.65415	0.159603238	0.41317529	0.46046767	0.64003676
## 4011	99.66827	0.316739380	0.66823822	0.73913533	0.78362298
## 4012	99.97541	0.008637886	0.85009342	0.89716899	0.93902546
## 4013	99.29421	0.087513231	0.41164076	0.49740690	0.50992292
## 4014	99.96288	0.495097607	0.44839153	0.53309518	0.52313888
## 4015	99.85027	0.264239877	0.19701807	0.17373338	0.30179572
## 4016	99.90951	0.653821230	0.13196491	0.11026069	0.19310218
## 4017	99.86572	0.077343814	0.50733256	0.55494660	0.63469517
## 4018	99.80884	0.062407456	0.70279413	0.68297249	0.81496328
## 4019	99.99801	0.391448408	0.58115554	0.62991273	0.69340736
## 4020	99.89317	0.004809993	0.48775080	0.52153891	0.72932839
## 4021	99.99309	0.081398144	0.32891300	0.35946435	0.44645682
## 4022	99.97887	0.456589460	0.40166825	0.41028771	0.59669298
## 4023	99.93526	0.803262591	0.34006923	0.38554248	0.42249933
## 4024	99.94266	0.495787203	0.27611953	0.30812672	0.28619271
## 4025	99.93017	0.037514683	0.63424695	0.62575817	0.78399897
## 4026	99.01342	0.972333372	0.22634193	0.20826690	0.27071500
## 4027	99.79849	0.911193848	0.51849878	0.57267547	0.71930295

## 4028	98.94256	0.824115932	0.28259149	0.26035839	0.28513944
## 4029	99.95065	0.086531222	0.60575652	0.58451158	0.67590976
## 4030	99.58523	0.201867938	0.64084089	0.66937244	0.80704302
## 4031	99.91980	0.000026600	0.22904673	0.22084677	0.49271566
## 4032	99.53478	0.008156392	0.14791770	0.11313062	0.12125693
## 4033	99.96449	0.858717620	0.47527388	0.52107191	0.56370908
## 4034	99.98166	0.023687158	0.44278798	0.37873313	0.60974425
## 4035	99.95084	0.473945558	0.56067884	0.59116501	0.71839654
## 4036	99.78711	0.005478469	0.34730160	0.30913815	0.56235826
## 4037	99.94278	0.757089496	0.38676247	0.34836477	0.60265350
## 4038	99.99397	0.066313930	0.34165394	0.34932494	0.58930105
## 4039	99.74894	0.246782452	0.50889742	0.61613333	0.70922786
## 4040	99.99630	0.592765629	0.82949525	0.87607300	0.93024570
## 4041	99.88376	0.087598279	0.69023693	0.71902794	0.74850231
## 4042	99.64869	0.393715978	0.69993323	0.81132746	0.86855310
## 4043	99.91222	0.044153906	0.45817158	0.49290660	0.54917485
## 4044	99.95867	0.172328711	0.63905275	0.62334084	0.69105524
## 4045	99.93684	0.008365514	0.27501985	0.27093679	0.37198335
## 4046	99.98880	0.735798717	0.56922167	0.65239656	0.68952018
## 4047	99.92489	0.852661848	0.32312390	0.42350760	0.59306443
## 4048	99.97662	0.071823679	0.61737818	0.66343737	0.72303224
## 4049	99.99996	0.017229255	0.57131577	0.62095636	0.79744208
## 4050	98.26701	0.126320258	0.55477727	0.58395612	0.67673039
## 4051	99.84951	0.669745266	0.44834778	0.39110845	0.45825693
## 4052	99.97544	0.084549889	0.59219778	0.64175880	0.72479087
## 4053	99.98000	0.037738241	0.50186926	0.46595269	0.66761190
## 4054	94.99976	0.000896741	0.27525610	0.24085066	0.53496790
## 4055	99.96850	0.063119039	0.33951426	0.39378878	0.57323539
## 4056	99.47084	0.004767316	0.20580071	0.19224486	0.35207635
## 4057	99.93999	0.043312706	0.50574595	0.52342683	0.66800040
## 4058	99.99924	0.333166540	0.30162209	0.31559324	0.44146496
## 4059	99.97908	0.215484187	0.42754853	0.55249202	0.50151801
## 4060	99.96083	0.283197284	0.59572524	0.76303142	0.61115837
## 4061	98.73899	0.394871622	0.58400375	0.65471143	0.80162561
## 4062	99.90039	0.352911979	0.36781028	0.38171557	0.50165075
## 4063	99.98335	0.714032173	0.49863362	0.57109070	0.66192377
## 4064	99.85820	0.502305627	0.60458535	0.63874334	0.74256527
## 4065	99.96106	0.828127265	0.60071456	0.60208446	0.66370517
## 4066	99.99960	0.110604227	0.56179720	0.65786469	0.79523128
## 4067	99.93716	0.002750154	0.31185642	0.27516139	0.52819318
## 4068	99.77756	0.238342717	0.58896637	0.66684043	0.74268818
## 4069	99.78648	0.057497181	0.57175589	0.61419994	0.78450650
## 4070	99.95417	0.131149039	0.40642721	0.46145159	0.70663565
## 4071	98.66407	0.029943891	0.49629763	0.54811901	0.73488927
## 4072	99.91606	0.020900184	0.53443652	0.60044509	0.62558508
## 4073	99.97471	0.578013301	0.56479782	0.64755350	0.53496975
## 4074	99.99391	0.045053963	0.81236363	0.81856567	0.86861700
## 4075	99.95571	0.022253247	0.60917628	0.66700047	0.81701660
## 4076	98.59741	0.000003280	0.26914188	0.22613904	0.40042305
## 4077	99.98435	0.063617200	0.31357324	0.33590257	0.59065574
## 4078	99.99278	0.019024557	0.62018222	0.69268429	0.83928686
## 4079	99.94463	0.659474790	0.71540308	0.73896670	0.77055758
## 4080	99.91743	0.335671097	0.71113837	0.74342561	0.87786138
## 4081	99.69139	0.000435683	0.55575597	0.58335495	0.72209698

## 4082	99.96709	0.340090960	0.62640274	0.64805728	0.78405130
## 4083	99.28834	0.387709558	0.27341288	0.28696147	0.41345733
## 4084	99.98352	0.301186085	0.41805142	0.43667459	0.63053101
## 4085	99.73958	0.014756109	0.27451113	0.22259270	0.49524116
## 4086	99.91743	0.007453965	0.59069699	0.69157135	0.86815107
## 4087	98.67344	0.137771428	0.28935322	0.29365128	0.48330012
## 4088	99.88071	0.096154727	0.54909939	0.64338040	0.48836637
## 4089	99.81672	0.018435122	0.25448820	0.26769295	0.42713538
## 4090	94.84128	0.114575036	0.53419268	0.61012167	0.65146875
## 4091	99.95442	0.402338415	0.37459672	0.39209986	0.42457166
## 4092	99.95148	0.252356261	0.67423260	0.75939101	0.84721279
## 4093	99.76906	0.905739188	0.33861941	0.32378590	0.50822061
## 4094	99.63881	0.359601855	0.39019418	0.36990231	0.55515343
## 4095	99.85895	0.004176422	0.46438220	0.45579833	0.70095879
## 4096	99.74708	0.015393693	0.45007893	0.48860180	0.66454607
## 4097	99.44292	0.253079325	0.58127850	0.64745617	0.79195148
## 4098	99.86731	0.016343446	0.52709812	0.58718389	0.68090749
## 4099	99.90592	0.012331295	0.67251885	0.75573540	0.79222328
## 4100	99.71933	0.219944298	0.61543375	0.59336048	0.67165387
## 4101	98.52089	0.046878144	0.42951843	0.38520673	0.59035671
## 4102	99.83297	0.889454365	0.27625719	0.25280821	0.37106442
## 4103	99.92084	0.153285727	0.41519743	0.48959055	0.62357873
## 4104	99.79344	0.289298505	0.66437620	0.75710076	0.80551875
## 4105	96.49874	0.368943661	0.53214085	0.56211406	0.67793685
## 4106	98.83657	0.000011700	0.20979382	0.17948791	0.33113429
## 4107	99.94904	0.419919431	0.51406324	0.54977298	0.72837961
## 4108	99.32084	0.721202433	0.43588120	0.52847844	0.57914972
## 4109	99.90602	0.062701099	0.34804824	0.31081846	0.53611785
## 4110	99.68695	0.609286308	0.70876759	0.76554400	0.70809537
## 4111	99.45583	0.015553380	0.40220815	0.34737062	0.58879143
## 4112	99.98929	0.248300701	0.40601596	0.42314014	0.65173447
## 4113	97.00108	0.260939747	0.67405695	0.65779042	0.74148709
## 4114	99.40487	0.042425536	0.52955109	0.67495787	0.57568484
## 4115	99.97731	0.010740606	0.40727332	0.37797540	0.62551385
## 4116	99.72745	0.270573854	0.68996233	0.72633135	0.87233830
## 4117	99.99279	0.525343060	0.67502636	0.70416522	0.84683108
## 4118	99.87804	0.000893060	0.34796277	0.35462317	0.59536499
## 4119	99.94756	0.318093330	0.39133504	0.34624574	0.52501672
## 4120	99.92960	0.413986742	0.59459019	0.67867601	0.61486471
## 4121	99.95898	0.696968377	0.37750655	0.36897829	0.59978265
## 4122	99.77051	0.020840516	0.34227544	0.32319987	0.56074059
## 4123	99.95246	0.514631331	0.37753895	0.38907355	0.43480200
## 4124	99.98628	0.349491298	0.64574557	0.68510097	0.81422406
## 4125	99.96268	0.556941986	0.51375270	0.59410286	0.53769517
## 4126	99.79309	0.411717087	0.42872664	0.42659691	0.61722177
## 4127	99.62239	0.000458428	0.69205433	0.69375378	0.80359167
## 4128	99.98064	0.157901973	0.07039852	0.04982628	0.15290837
## 4129	99.98487	0.480027437	0.56527525	0.61827701	0.75006574
## 4130	99.99841	0.089639373	0.60058361	0.56535089	0.71580350
## 4131	99.99440	0.920744717	0.55223793	0.58255500	0.66112733
## 4132	99.98080	0.010659525	0.61997801	0.71310365	0.79273492
## 4133	98.90206	0.330349326	0.54740000	0.54563350	0.48288548
## 4134	93.45796	0.756898105	0.40653151	0.43061617	0.54880470
## 4135	99.95833	0.158398762	0.60961992	0.71961069	0.79744583

## 4136	99.95340	0.007393828	0.65568060	0.79659587	0.84709209
## 4137	99.73338	0.166531816	0.50002474	0.64393967	0.58339369
## 4138	99.24082	0.006030172	0.44708332	0.47787985	0.67703426
## 4139	99.12289	0.037217490	0.43578193	0.54586119	0.57891733
## 4140	99.99758	0.882358491	0.61126673	0.68712348	0.82610631
## 4141	99.98172	0.693419755	0.42994681	0.43392357	0.62236381
## 4142	98.90253	0.000154466	0.57827878	0.68960470	0.68779463
## 4143	99.95698	0.007883875	0.23970039	0.22465937	0.41138291
## 4144	99.89751	0.261053026	0.36583048	0.37207276	0.53295726
## 4145	99.93246	0.053012516	0.75549549	0.78735030	0.87827277
## 4146	99.97042	0.067733191	0.58357072	0.67828500	0.81870204
## 4147	99.99125	0.272553027	0.66090691	0.71923727	0.53521055
## 4148	99.99311	0.461070895	0.54164165	0.67691535	0.59690553
## 4149	99.92013	0.085381761	0.28447294	0.29279813	0.37850466
## 4150	99.37374	0.006217248	0.33773780	0.34702411	0.60269111
## 4151	99.91886	0.033627298	0.47004628	0.46162641	0.50821459
## 4152	98.35883	0.327956468	0.52518046	0.62193173	0.72582674
## 4153	99.86459	0.101997577	0.45979947	0.44819564	0.62642407
## 4154	99.28889	0.231112570	0.53612500	0.62849832	0.57728130
## 4155	99.78390	0.983889580	0.35594478	0.42090708	0.56593049
## 4156	99.87828	0.093108907	0.34108055	0.31514606	0.36138967
## 4157	99.95993	0.343018144	0.47564843	0.50480610	0.41977134
## 4158	99.57025	0.009210135	0.33679733	0.31257668	0.56548828
## 4159	99.96658	0.172380507	0.61972046	0.60773718	0.69119752
## 4160	99.92969	0.495478302	0.58914781	0.54157042	0.62460613
## 4161	99.45745	0.011461285	0.23164260	0.22756627	0.40468693
## 4162	99.97227	0.720486522	0.44665030	0.46067551	0.63246626
## 4163	99.88127	0.559394896	0.76700854	0.83004832	0.92473918
## 4164	99.98790	0.045716714	0.71455848	0.77566773	0.82710224
## 4165	99.92583	0.141465604	0.55836266	0.69842762	0.62391502
## 4166	99.85430	0.631691933	0.22704113	0.21121973	0.19273792
## 4167	99.98978	0.033827469	0.50645393	0.52239525	0.65310019
## 4168	99.98866	0.216414213	0.41889808	0.53753257	0.51657039
## 4169	99.15977	0.636500657	0.24374208	0.21352042	0.45086667
## 4170	99.98487	0.129163310	0.58248562	0.74601406	0.69122362
## 4171	99.75421	0.475392282	0.62138945	0.68249422	0.67484480
## 4172	99.95030	0.741310000	0.38534066	0.48109442	0.45352715
## 4173	99.86387	0.000986880	0.58430570	0.58314133	0.67213613
## 4174	99.93712	0.142100319	0.42428497	0.44515857	0.58097827
## 4175	99.96349	0.380046427	0.52963287	0.58359855	0.48161456
## 4176	99.68722	0.589378297	0.51386958	0.58659017	0.74947852
## 4177	99.79800	0.251711011	0.52720404	0.56775922	0.76771861
## 4178	99.89364	0.121035323	0.68711990	0.70560420	0.82119989
## 4179	99.95857	0.144987375	0.50155914	0.55483717	0.72275841
## 4180	99.82052	0.421496511	0.77641094	0.82440174	0.89945221
## 4181	99.98815	0.010427745	0.36487210	0.34328726	0.51292676
## 4182	99.97359	0.078838989	0.33410904	0.30515256	0.56126559
## 4183	99.81424	0.135829195	0.63534701	0.62122780	0.57562309
## 4184	99.95803	0.722676992	0.44047245	0.54376578	0.60555530
## 4185	99.76262	0.090366319	0.36684951	0.38019785	0.62282026
## 4186	99.97410	0.044817075	0.52424997	0.56806308	0.75885075
## 4187	99.98944	0.121227354	0.56838250	0.54743809	0.69336128
## 4188	99.97898	0.098652035	0.37087288	0.33835047	0.44334024
## 4189	99.99030	0.085999668	0.43317351	0.44757977	0.61431038

## 4190	99.99543	0.198448002	0.61750144	0.60930491	0.68665510
## 4191	99.93090	0.750362754	0.50149149	0.49854875	0.48392951
## 4192	99.63274	0.079315819	0.37538984	0.32200620	0.56848103
## 4193	99.92624	0.739843488	0.39684427	0.57156611	0.60123390
## 4194	99.66004	0.993142486	0.71213639	0.82166421	0.71071076
## 4195	99.92390	0.914848864	0.29632571	0.37317181	0.36029181
## 4196	99.38444	0.116496384	0.47925705	0.63462037	0.53944105
## 4197	98.95369	0.119062193	0.48821488	0.39707026	0.60788482
## 4198	99.96281	0.091534793	0.39278829	0.41455260	0.53305066
## 4199	99.97354	0.314112008	0.54637849	0.59588176	0.65350616
## 4200	97.41698	0.025676006	0.76173931	0.77105576	0.79621291
## 4201	99.99002	0.442041814	0.64024639	0.67705774	0.73897541
## 4202	98.92389	0.379196823	0.45391446	0.52955717	0.65268862
## 4203	99.99721	0.241680890	0.63476610	0.75062740	0.85496646
## 4204	99.96069	0.000021800	0.21312661	0.18872274	0.45749658
## 4205	99.96175	0.063778251	0.18991002	0.16701132	0.28254879
## 4206	99.72053	0.036271885	0.49201381	0.53359503	0.69440955
## 4207	99.14484	0.009199838	0.17668202	0.14880411	0.33240113
## 4208	99.96826	0.417994678	0.54468280	0.54197168	0.70959818
## 4209	99.99978	0.006713832	0.40414885	0.48143968	0.60482806
## 4210	99.98818	0.022347454	0.43013096	0.41447881	0.63551766
## 4211	99.99499	0.094388962	0.44105342	0.46380767	0.61422890
## 4212	99.97726	0.849379539	0.39410996	0.35215637	0.38360131
## 4213	99.87916	0.003430259	0.77499998	0.85198909	0.84403157
## 4214	99.41972	0.672394037	0.33869240	0.40238199	0.43999898
## 4215	98.02226	0.291561306	0.68319720	0.72185469	0.78386682
## 4216	99.93635	0.917565048	0.34440413	0.48941180	0.44559097
## 4217	99.97546	0.147428721	0.49852657	0.55794668	0.69198418
## 4218	99.98155	0.028612632	0.85386282	0.85828125	0.86594057
## 4219	99.30545	0.270729989	0.58001310	0.64476365	0.79725319
## 4220	99.75351	0.073235504	0.45969886	0.43184900	0.59314048
## 4221	99.99460	0.115988769	0.45564070	0.52572167	0.43673968
## 4222	99.94055	0.089575164	0.55411255	0.58447993	0.73776889
## 4223	99.98173	0.071783409	0.32632405	0.42045474	0.45432666
## 4224	99.73906	0.444405973	0.50022644	0.55619359	0.66194868
## 4225	99.01964	0.801799893	0.73891407	0.74745142	0.75940400
## 4226	98.69491	0.358995855	0.47338247	0.47003218	0.60346502
## 4227	99.89786	0.013807409	0.71819747	0.75039530	0.86655545
## 4228	99.50899	0.183955535	0.42308715	0.46720323	0.47770312
## 4229	99.83716	0.993145227	0.14060834	0.10401545	0.16806197
## 4230	99.98395	0.294538707	0.47621009	0.54286736	0.67255652
## 4231	99.91405	0.084950715	0.39439613	0.37790206	0.54966819
## 4232	98.78811	0.871489465	0.50749576	0.52657908	0.52097690
## 4233	99.94758	0.184447691	0.60188562	0.52862597	0.61113185
## 4234	99.78662	0.632830560	0.40210575	0.45685622	0.60351562
## 4235	99.90827	0.353118926	0.54065347	0.57371551	0.67215133
## 4236	99.75231	0.107180640	0.45978704	0.48499766	0.58571166
## 4237	99.98526	0.441820294	0.49431548	0.57637894	0.61238128
## 4238	99.59443	0.892180920	0.46407923	0.45368817	0.61240619
## 4239	99.98993	0.153370291	0.61715943	0.71325010	0.76812595
## 4240	99.98002	0.557925284	0.70652026	0.81170714	0.75106233
## 4241	99.93794	0.001417696	0.63011998	0.64686954	0.76578093
## 4242	99.94672	0.162684634	0.39578730	0.41842088	0.62749106
## 4243	99.49582	0.611807168	0.43104467	0.50429529	0.46344832

## 4244	99.34923	0.928721249	0.31050327	0.32614008	0.38329926
## 4245	99.98461	0.792266965	0.33230695	0.36519334	0.36779714
## 4246	99.51592	0.423494309	0.43645594	0.42770952	0.43729460
## 4247	99.88855	0.311573267	0.28003815	0.36623871	0.40405598
## 4248	99.52892	0.269862503	0.58846855	0.71303421	0.81977856
## 4249	99.50811	0.164035842	0.82312256	0.85844803	0.93948937
## 4250	99.99073	0.000195621	0.43417981	0.49035698	0.69428235
## 4251	99.77059	0.342622131	0.41475427	0.40293902	0.62066621
## 4252	99.94771	0.206762567	0.74527353	0.78558415	0.86134982
## 4253	99.93286	0.223245010	0.42696032	0.34861711	0.44957313
## 4254	99.98595	0.617304623	0.37744656	0.37718442	0.44432208
## 4255	99.97862	0.006294181	0.34081337	0.35892606	0.58880359
## 4256	99.99250	0.233902931	0.41437858	0.36635476	0.60364133
## 4257	99.93597	0.087162569	0.49669775	0.60903090	0.77581435
## 4258	99.87848	0.546476901	0.60323602	0.62965965	0.74652296
## 4259	99.58543	0.513963759	0.61614954	0.61926192	0.76431710
## 4260	99.95064	0.291630894	0.54716283	0.56761378	0.73315138
## 4261	99.98900	0.001494783	0.50679046	0.48178047	0.70348901
## 4262	99.90334	0.006015940	0.47932193	0.42746517	0.65666169
## 4263	99.99884	0.624090016	0.61378866	0.62785941	0.68099552
## 4264	99.85831	0.534740508	0.51074648	0.53343850	0.68787509
## 4265	99.96616	0.388710797	0.50898534	0.44822377	0.60579783
## 4266	99.57908	0.001147934	0.31868643	0.31251541	0.50865108
## 4267	99.81393	0.000133192	0.24425657	0.19766854	0.49299872
## 4268	99.60483	0.573298931	0.48827299	0.63503629	0.60508180
## 4269	99.27441	0.079887189	0.64157069	0.75278014	0.67119271
## 4270	99.84014	0.333761126	0.59725130	0.66714650	0.79173160
## 4271	99.70915	0.412579954	0.65768647	0.74532109	0.70578331
## 4272	99.96435	0.034562126	0.55805916	0.60751939	0.73996973
## 4273	99.66093	0.817487597	0.34350899	0.34932998	0.40083253
## 4274	99.99461	0.035284266	0.59447753	0.61313683	0.74779522
## 4275	99.97398	0.077609874	0.54194522	0.52917576	0.67705268
## 4276	97.95461	0.380653530	0.46729281	0.51799118	0.62586170
## 4277	99.91679	0.055636127	0.70483333	0.70443231	0.84152389
## 4278	99.98463	0.148852557	0.57682079	0.67383659	0.74482673
## 4279	99.99438	0.051979344	0.60688663	0.68764746	0.75281298
## 4280	99.99143	0.029301958	0.37262273	0.41363883	0.55551201
## 4281	99.93378	0.006056670	0.49970990	0.51848495	0.70105219
## 4282	99.55818	0.001729133	0.60275066	0.65688568	0.70820606
## 4283	99.97288	0.145022422	0.41375080	0.42471048	0.65217429
## 4284	99.97694	0.742892146	0.67364162	0.74751306	0.73951411
## 4285	99.88342	0.103753164	0.75067353	0.80786306	0.86160260
## 4286	95.54036	0.024420440	0.54461676	0.58150631	0.70878911
## 4287	99.49009	0.443083078	0.66748560	0.74188501	0.81167561
## 4288	99.39131	0.092679113	0.45957181	0.48663870	0.58164072
## 4289	99.67914	0.884283304	0.16645263	0.12373825	0.08771171
## 4290	99.10901	0.232941791	0.51650196	0.56844264	0.68506306
## 4291	99.90563	0.799763858	0.45184645	0.62452924	0.59998888
## 4292	99.98838	0.988290012	0.31926051	0.49074092	0.56337655
## 4293	99.57416	0.905038476	0.46169355	0.45400491	0.55924934
## 4294	97.49764	0.011052850	0.21510693	0.18481128	0.30425769
## 4295	99.98189	0.425558805	0.68318230	0.70604950	0.80382198
## 4296	99.99136	0.230476454	0.41701520	0.47650832	0.65358698
## 4297	99.88075	0.080561660	0.26993868	0.27166688	0.46176225

## 4298	99.99997	0.468614757	0.68493152	0.78332096	0.87236279
## 4299	99.97138	0.041406643	0.76809317	0.82101893	0.93417448
## 4300	99.32136	0.484166950	0.38544959	0.41339946	0.56961769
## 4301	99.97709	0.016000392	0.37515566	0.38941833	0.57217270
## 4302	91.98543	0.491946846	0.61765856	0.61773133	0.69311100
## 4303	99.23961	0.516544998	0.76320922	0.83677959	0.94964618
## 4304	99.98390	0.101517826	0.40611604	0.53975022	0.53456610
## 4305	99.89165	0.154884741	0.42803982	0.37087357	0.44980452
## 4306	99.98284	0.001712507	0.36450955	0.31305233	0.54839796
## 4307	99.96915	0.013071756	0.70196378	0.74818951	0.71782476
## 4308	99.72062	0.625049472	0.32710066	0.27861503	0.52195364
## 4309	99.98745	0.113755718	0.59562123	0.51097238	0.60669839
## 4310	93.76925	0.057508875	0.69882906	0.78475547	0.81990731
## 4311	99.97393	0.012944824	0.54050207	0.58246118	0.68937713
## 4312	99.90899	0.034166563	0.66055071	0.70542920	0.85283947
## 4313	99.98866	0.729999363	0.74982595	0.82419193	0.93071520
## 4314	99.89362	0.366952002	0.54296517	0.64497173	0.72636890
## 4315	99.99039	0.872415364	0.38786069	0.48239341	0.50226688
## 4316	99.96162	0.438581467	0.46763897	0.41538143	0.63560617
## 4317	99.97569	0.467390060	0.37827933	0.41554776	0.68161249
## 4318	99.92579	0.716078997	0.24522197	0.24926055	0.33330783
## 4319	99.99756	0.085349739	0.70830238	0.82280540	0.79045916
## 4320	99.99853	0.874463260	0.57199866	0.66196644	0.77564245
## 4321	99.99122	0.174219668	0.57486904	0.67023694	0.77214062
## 4322	99.97830	0.040821094	0.53097492	0.54857957	0.67016387
## 4323	99.95629	0.950776279	0.46375215	0.50700641	0.61730105
## 4324	97.97777	0.222481817	0.57844824	0.62684792	0.75546467
## 4325	99.94792	0.243842483	0.46270287	0.48225617	0.58955705
## 4326	99.98481	0.228426367	0.47277752	0.48334527	0.45811960
## 4327	99.94690	0.063737474	0.64654702	0.70785427	0.83683324
## 4328	99.96492	0.008348654	0.54413176	0.61038286	0.73478931
## 4329	99.74292	0.062683009	0.38460460	0.36901248	0.49423510
## 4330	99.78242	0.148746163	0.43258682	0.40566286	0.48511657
## 4331	99.98761	0.664274752	0.74947292	0.84680569	0.88222188
## 4332	99.95635	0.537466407	0.42831352	0.49799517	0.39912349
## 4333	99.97820	0.302081257	0.75004357	0.79777425	0.75863528
## 4334	99.78398	0.106503665	0.70668286	0.76739454	0.80949479
## 4335	99.99948	0.536208212	0.37252721	0.39300892	0.52191049
## 4336	99.95823	0.053015791	0.81605709	0.88214576	0.95768493
## 4337	97.33314	0.046936132	0.61204869	0.59739029	0.53783423
## 4338	99.93841	0.135356247	0.53597575	0.56733197	0.67689407
## 4339	99.97532	0.158908427	0.63760054	0.69250315	0.79958469
## 4340	98.15916	0.663043916	0.66323078	0.73386103	0.78418642
## 4341	95.19358	0.574532807	0.47317126	0.55475074	0.68159843
## 4342	99.87491	0.044690881	0.51423764	0.52345777	0.64800370
## 4343	99.69149	0.480483621	0.40139359	0.43557447	0.50407410
## 4344	99.80535	0.615721583	0.50377458	0.64948326	0.53607881
## 4345	99.89414	0.000072000	0.36843628	0.32423422	0.25821441
## 4346	99.99808	0.045580365	0.55258143	0.59433746	0.47975242
## 4347	99.91685	0.053860694	0.42315179	0.49140021	0.57745028
## 4348	99.59131	0.000302268	0.42661381	0.36290607	0.56520665
## 4349	99.96245	0.039054543	0.64892352	0.67518127	0.78460997
## 4350	99.95827	0.169192538	0.50848311	0.51961017	0.65933859
## 4351	97.88809	0.644837022	0.41793162	0.38133436	0.47124585

## 4352	99.09168	0.065033481	0.51474875	0.57006544	0.63047880
## 4353	99.99978	0.546934545	0.55786264	0.54997164	0.69137603
## 4354	99.63852	0.608424425	0.67594266	0.74643213	0.87716812
## 4355	99.92199	0.011606302	0.31921956	0.30688018	0.46857858
## 4356	99.58146	0.026466135	0.65986735	0.74547464	0.83460909
## 4357	99.97878	0.422907680	0.59557760	0.64794356	0.75042874
## 4358	99.99529	0.032858584	0.52912808	0.54120219	0.71947694
## 4359	99.95453	0.015073757	0.18648696	0.18163484	0.20722848
## 4360	99.80702	0.665536344	0.68975943	0.71363032	0.79639351
## 4361	99.98342	0.219371989	0.37333578	0.38363424	0.56154025
## 4362	99.93486	0.903659344	0.42648065	0.47649330	0.55223644
## 4363	99.91696	0.447470844	0.55544525	0.62223035	0.69514453
## 4364	98.99202	0.175044939	0.48358297	0.51109392	0.69392431
## 4365	99.54726	0.296319008	0.41734210	0.41409570	0.56382483
## 4366	99.94979	0.307395756	0.58282995	0.66236412	0.82691884
## 4367	99.72475	0.607187688	0.52669668	0.65164679	0.51705355
## 4368	99.50907	0.000018600	0.78778386	0.80151719	0.81228727
## 4369	99.99414	0.440059215	0.44448087	0.51082247	0.63665772
## 4370	99.52060	0.011055053	0.63473850	0.66166145	0.71189529
## 4371	98.37006	0.138129100	0.57363874	0.69335270	0.79304731
## 4372	99.21992	0.299358696	0.46706635	0.55951858	0.53528374
## 4373	99.92227	0.077579997	0.46416196	0.44370297	0.37673205
## 4374	99.71587	0.753288150	0.47093922	0.48766190	0.51491082
## 4375	99.94141	0.282649666	0.57548612	0.63425404	0.76085216
## 4376	99.79107	0.529837549	0.36829668	0.37227637	0.43982649
## 4377	99.90470	0.057253256	0.29373854	0.33885342	0.32040831
## 4378	99.97164	0.027853424	0.49684212	0.57829446	0.69561702
## 4379	99.27412	0.136480108	0.41017857	0.43082130	0.60312277
## 4380	99.95564	0.106546834	0.71402818	0.70320541	0.73796064
## 4381	99.28912	0.072371706	0.36553338	0.41570446	0.37307978
## 4382	99.96387	0.152890444	0.62461156	0.64372414	0.67912680
## 4383	99.91152	0.012466665	0.70879853	0.72199231	0.77955663
## 4384	99.99707	0.533538580	0.78278232	0.86133009	0.89479965
## 4385	99.80979	0.055287775	0.61724448	0.63088292	0.73746973
## 4386	99.91101	0.033638228	0.24646562	0.21616024	0.44925013
## 4387	99.99418	0.197190523	0.77549446	0.82245636	0.93777287
## 4388	99.11199	0.001291251	0.68252081	0.66604710	0.78149420
## 4389	99.99696	0.051973574	0.57286161	0.53899854	0.71548039
## 4390	99.90055	0.084919699	0.56564432	0.70108229	0.81185240
## 4391	99.71480	0.021822274	0.51539284	0.55353981	0.73262161
## 4392	99.89733	0.769318700	0.59555817	0.61946952	0.58832544
## 4393	99.86735	0.103101604	0.67858183	0.69046366	0.75139743
## 4394	99.57738	0.372247785	0.61652303	0.70280111	0.78226447
## 4395	99.96509	0.280545771	0.68163639	0.69543946	0.71990967
## 4396	99.95498	0.374381989	0.60509014	0.70295203	0.80929059
## 4397	99.60355	0.003914227	0.85569763	0.88838053	0.90112609
## 4398	99.98954	0.222587109	0.52551168	0.56511587	0.65220779
## 4399	99.96162	0.163295642	0.74435544	0.82529879	0.91270572
## 4400	99.96041	0.133844197	0.60890293	0.65724856	0.75715643
## 4401	99.92478	0.005663674	0.67040288	0.74933416	0.86936873
## 4402	99.98432	0.933424830	0.42474520	0.42306247	0.54284519
## 4403	99.98909	0.088891782	0.72774076	0.79960316	0.90011823
## 4404	99.56537	0.007225681	0.41073903	0.47764882	0.40854597
## 4405	99.93950	0.889367163	0.51263267	0.69523710	0.49015045

## 4406	99.97200	0.647416532	0.31643024	0.31825858	0.46308509
## 4407	99.76034	0.662818313	0.64702952	0.67001009	0.80075175
## 4408	99.99474	0.201294065	0.54944378	0.61849570	0.78106946
## 4409	99.93565	0.087361366	0.41679206	0.50124538	0.53803933
## 4410	99.52869	0.351324201	0.62138104	0.59964281	0.70356733
## 4411	99.98751	0.010773885	0.51041353	0.53025919	0.73448169
## 4412	99.96143	0.094856858	0.64020580	0.64777935	0.70362103
## 4413	99.88056	0.008887457	0.48315033	0.54800028	0.62816238
## 4414	99.94750	0.055088215	0.52063805	0.56217521	0.62529218
## 4415	99.97827	0.903244138	0.63162738	0.56029868	0.63557541
## 4416	99.94946	0.228376061	0.34636459	0.30104137	0.50674290
## 4417	99.96311	0.931927741	0.25237018	0.30382529	0.37718064
## 4418	99.98273	0.024405045	0.46782014	0.40101761	0.52743208
## 4419	99.93356	0.251423806	0.52691704	0.49937719	0.66707963
## 4420	99.85896	0.445126265	0.58951694	0.64544946	0.68730700
## 4421	99.60522	0.511909664	0.55946016	0.60461348	0.70208347
## 4422	99.99263	0.147358865	0.67704999	0.73457873	0.77604979
## 4423	99.80916	0.000832530	0.34551775	0.30350295	0.51988345
## 4424	98.48043	0.430231571	0.75005192	0.83450466	0.77764976
## 4425	99.89677	0.038561899	0.52855516	0.48466232	0.54425883
## 4426	99.97779	0.478131443	0.44191617	0.44969273	0.57865202
## 4427	99.98674	0.130835816	0.32089934	0.35457745	0.36094797
## 4428	99.95414	0.325007170	0.57915646	0.58862317	0.75311601
## 4429	99.97310	0.348941118	0.29868081	0.30887684	0.44556898
## 4430	99.95552	0.085155189	0.29600450	0.33693665	0.48279318
## 4431	99.96608	0.898973882	0.70162910	0.78081477	0.83485126
## 4432	99.95776	0.006831149	0.35839045	0.29996538	0.55925047
## 4433	99.85844	0.021216843	0.60992384	0.67894733	0.82253003
## 4434	99.77829	0.023532432	0.45553610	0.39604995	0.57493401
## 4435	99.45247	0.040513407	0.76351184	0.82304698	0.92830962
## 4436	99.54173	0.000174430	0.30568397	0.28434536	0.39865005
## 4437	99.87723	0.031050870	0.51776338	0.54495108	0.67348123
## 4438	99.67869	0.101223908	0.44480383	0.43976909	0.64081365
## 4439	97.79889	0.219586730	0.43804804	0.47977591	0.62407494
## 4440	99.94948	0.050057307	0.74770653	0.80566329	0.90006483
## 4441	98.73649	0.010738135	0.48998710	0.45689487	0.59142315
## 4442	99.81544	0.433813840	0.77231526	0.81980586	0.80205262
## 4443	99.97086	0.024945637	0.35942110	0.32237267	0.54146016
## 4444	99.95452	0.162014216	0.36305696	0.32427758	0.43684149
## 4445	99.82324	0.035353050	0.78585029	0.83517999	0.91087091
## 4446	99.95432	0.111888282	0.67074948	0.73708433	0.83638936
## 4447	99.98312	0.000957049	0.28594983	0.24857451	0.44456571
## 4448	99.91410	0.025097119	0.25052205	0.22193942	0.47312260
## 4449	99.71384	0.052944355	0.71603608	0.75221926	0.85729963
## 4450	99.78587	0.613339067	0.64089829	0.60778016	0.71824652
## 4451	98.48686	0.172942013	0.64648616	0.66463977	0.75562477
## 4452	99.92876	0.180154502	0.19500753	0.17492436	0.23390301
## 4453	99.88351	0.006332385	0.25047612	0.21045920	0.47202399
## 4454	97.96090	0.017697085	0.25531074	0.21125433	0.40569174
## 4455	98.83660	0.008479676	0.50203651	0.54733849	0.72073120
## 4456	99.84721	0.043244842	0.56896937	0.51888740	0.60864168
## 4457	99.98736	0.740809798	0.67673940	0.72519577	0.83907282
## 4458	99.93332	0.014688885	0.53032976	0.60000926	0.67302436
## 4459	99.79531	0.025486991	0.87048048	0.90136605	0.93581128

## 4460	99.99727	0.793806911	0.34428245	0.46660623	0.48451891
## 4461	99.99618	0.060425337	0.48099166	0.52091980	0.62379521
## 4462	99.86153	0.061700292	0.33337271	0.28298804	0.51993430
## 4463	99.98026	0.030042078	0.50371128	0.46349657	0.60860121
## 4464	99.84823	0.130644903	0.40533128	0.36621648	0.59283948
## 4465	99.82481	0.010316654	0.68819416	0.73166114	0.87105262
## 4466	99.36031	0.758367360	0.53766978	0.64517480	0.55186361
## 4467	99.73917	0.026089488	0.45884305	0.43166819	0.65327877
## 4468	99.98295	0.351584464	0.50026423	0.55276763	0.42889270
## 4469	99.91738	0.991471648	0.35410664	0.40169972	0.39460343
## 4470	98.72088	0.041371707	0.08671859	0.06134542	0.07535600
## 4471	99.81755	0.052839778	0.43597618	0.44753167	0.56212068
## 4472	99.84326	0.035442740	0.38603279	0.38905487	0.54914850
## 4473	99.04985	0.451171160	0.50729537	0.48642734	0.63177717
## 4474	99.94583	0.472433537	0.54891890	0.61125749	0.73032343
## 4475	99.99743	0.001303346	0.66165739	0.70465303	0.80489630
## 4476	99.78757	0.669956386	0.64612502	0.70117783	0.83015639
## 4477	99.97123	0.072795659	0.57274747	0.57563436	0.76038980
## 4478	99.66173	0.013814600	0.35036674	0.30360502	0.56578374
## 4479	99.84230	0.020752789	0.69719523	0.76184690	0.85097945
## 4480	99.98733	0.475600362	0.67909300	0.75956738	0.86442125
## 4481	99.89116	0.445278943	0.58779454	0.65154910	0.81649566
## 4482	99.82175	0.709471762	0.43022153	0.48881689	0.51773190
## 4483	99.98300	0.026493259	0.75110543	0.83812314	0.89257824
## 4484	99.98013	0.934148192	0.65483171	0.73603517	0.72697020
## 4485	98.84940	0.002473442	0.44424492	0.40166915	0.55003810
## 4486	99.99116	0.339917779	0.71482027	0.76641417	0.87908500
## 4487	99.94747	0.351617008	0.79308444	0.77654707	0.79514354
## 4488	99.99503	0.389609426	0.59161955	0.60448974	0.74304634
## 4489	99.91382	0.000025900	0.19461894	0.16658378	0.33834681
## 4490	99.98707	0.002858635	0.57838351	0.58497858	0.68713343
## 4491	99.78242	0.063959002	0.78238934	0.86265874	0.90389544
## 4492	99.82444	0.103647478	0.48618254	0.48125613	0.61595601
## 4493	99.87534	0.055854265	0.52587849	0.57696158	0.69490576
## 4494	99.48106	0.177722916	0.52382070	0.73599642	0.84196669
## 4495	98.66453	0.072738379	0.43132663	0.45073369	0.69496656
## 4496	99.65650	0.722341359	0.47990644	0.51168668	0.64713210
## 4497	99.58182	0.765816033	0.52220195	0.47037387	0.66312814
## 4498	99.76677	0.000815790	0.52794129	0.55954915	0.66079795
## 4499	99.99395	0.029142451	0.51331061	0.47732282	0.65205407
## 4500	99.99025	0.390978128	0.53091735	0.63010812	0.66529787
## 4501	99.99058	0.843487740	0.60770851	0.71995717	0.64276254
## 4502	99.86463	0.303681374	0.38891417	0.42173770	0.68344104
## 4503	99.87736	0.000653387	0.21172619	0.18352182	0.39907643
## 4504	99.91431	0.087455168	0.62349999	0.65688389	0.76444733
## 4505	99.85710	0.320379913	0.74224007	0.80203152	0.86312187
## 4506	99.97469	0.699420869	0.47869557	0.51367432	0.68753791
## 4507	99.94554	0.101892434	0.75793880	0.82589084	0.92085725
## 4508	99.91834	0.121902257	0.57245231	0.63207108	0.81165910
## 4509	99.65735	0.005098025	0.45332709	0.46887806	0.55678093
## 4510	99.76419	0.111059278	0.30407041	0.35693431	0.45089954
## 4511	99.98728	0.572822452	0.57205880	0.70945662	0.63246441
## 4512	99.95952	0.034606390	0.28339258	0.25105277	0.49424836
## 4513	99.97980	0.238718882	0.44268689	0.47079971	0.66431379

## 4514	99.98231	0.525409043	0.51723838	0.55383241	0.65078950
## 4515	99.91203	0.034688547	0.19957891	0.16299990	0.31026339
## 4516	99.98765	0.007325190	0.43037137	0.39716846	0.58359796
## 4517	99.43371	0.137105674	0.41474822	0.47836322	0.43112227
## 4518	99.99080	0.184472740	0.57564318	0.65492588	0.68774384
## 4519	99.93173	0.100360833	0.45186406	0.45886940	0.69662774
## 4520	99.89346	0.847883940	0.72618765	0.78743976	0.88764268
## 4521	99.92437	0.930218756	0.24399807	0.20711543	0.32007262
## 4522	99.90649	0.001554985	0.79350960	0.83020341	0.85500961
## 4523	99.79694	0.000631472	0.23533671	0.20812571	0.40817314
## 4524	99.97087	0.057113297	0.24587964	0.21474165	0.43525612
## 4525	99.41287	0.015657267	0.22209239	0.20146432	0.21091548
## 4526	99.92401	0.000474086	0.24393682	0.26400998	0.40936050
## 4527	99.95943	0.243289217	0.43578029	0.48655841	0.61482847
## 4528	98.39785	0.009506440	0.59895754	0.62483603	0.68076384
## 4529	99.06409	0.340189904	0.80520129	0.82267457	0.85311091
## 4530	99.95052	0.083191857	0.70766074	0.74579084	0.81686592
## 4531	99.90931	0.100257844	0.50279898	0.55950206	0.67046195
## 4532	99.93824	0.045625538	0.68533421	0.76427287	0.82711905
## 4533	99.16254	0.143859923	0.49735341	0.48857585	0.67990881
## 4534	99.85543	0.009774833	0.39736500	0.41275170	0.37069219
## 4535	99.96793	0.798808634	0.34794471	0.43045798	0.55502701
## 4536	99.79948	0.006599517	0.34385681	0.35882562	0.62575829
## 4537	99.96675	0.414981514	0.53436959	0.60986811	0.56249428
## 4538	99.84288	0.791130722	0.44620436	0.54292768	0.63046879
## 4539	99.97086	0.112799063	0.54380906	0.48103035	0.66283011
## 4540	99.80435	0.001285381	0.36016908	0.32807100	0.49845845
## 4541	99.98180	0.292591274	0.51450944	0.49772593	0.68487269
## 4542	99.93413	0.002215907	0.46473405	0.53212637	0.71097481
## 4543	99.97009	0.267230123	0.47868216	0.59317023	0.61886710
## 4544	99.62303	0.429413825	0.53742397	0.53601718	0.52544540
## 4545	99.74808	0.052982017	0.46609017	0.50163651	0.66966313
## 4546	99.99328	0.991316140	0.28735879	0.23802170	0.24231024
## 4547	99.70278	0.156127319	0.25899205	0.21869680	0.40331259
## 4548	99.93377	0.083088100	0.51896441	0.54081035	0.69753694
## 4549	99.91135	0.022253530	0.49593505	0.53363842	0.58954829
## 4550	99.52053	0.209348157	0.42486331	0.49667695	0.57954401
## 4551	99.99214	0.221579581	0.65867358	0.71968013	0.81867302
## 4552	99.83952	0.592603743	0.50955331	0.55955195	0.58464259
## 4553	95.89211	0.032935623	0.52847993	0.58734042	0.67090517
## 4554	99.83077	0.016565692	0.24280924	0.22434902	0.37147063
## 4555	99.98738	0.209141791	0.46703845	0.52274704	0.61988133
## 4556	99.79661	0.004207586	0.50390488	0.50137568	0.63848037
## 4557	99.74615	0.731920004	0.52866852	0.51847661	0.59834504
## 4558	99.98387	0.033475369	0.60654712	0.61164504	0.76967663
## 4559	99.94998	0.218495652	0.78560561	0.81255478	0.87445372
## 4560	99.95645	0.013846677	0.40393862	0.38884470	0.57830810
## 4561	99.96110	0.111894742	0.38212088	0.35320854	0.57432169
## 4562	99.95289	0.030874230	0.27218139	0.27116686	0.55017704
## 4563	99.74481	0.954329967	0.50230545	0.53138107	0.46549705
## 4564	98.84034	0.018030571	0.52872962	0.51393133	0.65088886
## 4565	99.99343	0.603514373	0.33792037	0.29668880	0.50389808
## 4566	99.99102	0.048262879	0.50489998	0.52243489	0.64911610
## 4567	99.99950	0.040472988	0.75115555	0.81850839	0.88391900

## 4568	99.96830	0.016726851	0.56252450	0.63791639	0.80648369
## 4569	98.82713	0.359393835	0.59302753	0.65937686	0.78145760
## 4570	99.69694	0.249222845	0.45603761	0.54484558	0.59995937
## 4571	99.21538	0.087076090	0.53146970	0.57455838	0.72842973
## 4572	99.95918	0.736007631	0.63851428	0.69664037	0.69562089
## 4573	99.96960	0.836018205	0.54014200	0.65031028	0.75427043
## 4574	99.97225	0.059042484	0.63298762	0.70723164	0.82133895
## 4575	99.86994	0.296291411	0.43045065	0.50053823	0.45918342
## 4576	98.62729	0.093923151	0.49203148	0.43554497	0.60363418
## 4577	99.81994	0.165042803	0.48424736	0.52776450	0.67630041
## 4578	99.72561	0.376278818	0.47244844	0.49159539	0.65223056
## 4579	99.99059	0.470156968	0.62707609	0.63784015	0.73495716
## 4580	95.01548	0.446208507	0.40066016	0.35378578	0.48044434
## 4581	99.99879	0.004325100	0.47276858	0.50780600	0.63848358
## 4582	99.92583	0.139931768	0.53921121	0.58123118	0.72852498
## 4583	99.98788	0.093426809	0.69775474	0.70635784	0.83765757
## 4584	99.98537	0.415708363	0.40620199	0.46450260	0.57793224
## 4585	99.99209	0.136846095	0.58771992	0.67798442	0.74625015
## 4586	99.94518	0.006170433	0.50451082	0.56740063	0.66083014
## 4587	95.97025	0.309333056	0.71559840	0.78507161	0.87233913
## 4588	99.82653	0.020244330	0.51406372	0.54295164	0.68904513
## 4589	99.56829	0.201597765	0.67948574	0.75004291	0.86190462
## 4590	99.98916	0.989185274	0.29534998	0.22518764	0.27930242
## 4591	99.47865	0.657931030	0.47327003	0.47794420	0.62870133
## 4592	99.99580	0.394222379	0.53692383	0.60779667	0.71686548
## 4593	99.38880	0.830369771	0.49014547	0.51617956	0.57096994
## 4594	99.99204	0.003650125	0.86669797	0.91271681	0.93387675
## 4595	99.71860	0.001170454	0.42154697	0.40983477	0.64414108
## 4596	99.96731	0.300192684	0.42142373	0.42128289	0.64280432
## 4597	99.40702	0.107075930	0.37886450	0.44777006	0.58024722
## 4598	99.50565	0.711121321	0.40449813	0.38477218	0.50629681
## 4599	98.93546	0.869293094	0.35679543	0.39877987	0.53158206
## 4600	97.44768	0.007820582	0.28025144	0.28707039	0.47596479
## 4601	98.55416	0.001162748	0.12505727	0.13342890	0.22301243
## 4602	99.96007	0.004162131	0.37649551	0.40344319	0.60658991
## 4603	99.99514	0.008818653	0.51657045	0.47687671	0.67512780
## 4604	99.99607	0.381006271	0.36056206	0.39135131	0.50906587
## 4605	99.08017	0.056417875	0.46068704	0.43973267	0.61097461
## 4606	99.92613	0.367162794	0.47201469	0.47739530	0.60403103
## 4607	99.92401	0.000439807	0.20454595	0.18176877	0.39062965
## 4608	99.96335	0.564615309	0.66130018	0.72772950	0.80712891
## 4609	99.28497	0.448275715	0.49399498	0.49798217	0.61396176
## 4610	99.94650	0.892177045	0.49191108	0.68164682	0.58042741
## 4611	99.71793	0.775548875	0.56522745	0.57918519	0.63953096
## 4612	99.92730	0.017370977	0.41266987	0.43276393	0.67722350
## 4613	99.98100	0.724688888	0.61302793	0.67057502	0.80274522
## 4614	99.90323	0.000806257	0.25538883	0.23225930	0.40552816
## 4615	98.97728	0.038604431	0.57457036	0.64207804	0.73124474
## 4616	99.67641	0.050286625	0.46378192	0.48938906	0.69830835
## 4617	99.61574	0.015066915	0.29561394	0.29169702	0.50606894
## 4618	99.99314	0.064627334	0.45171845	0.44140822	0.63156635
## 4619	99.99353	0.195701018	0.58803827	0.65597409	0.69733304
## 4620	99.98081	0.117219917	0.58459371	0.62654471	0.75263393
## 4621	99.94937	0.237144291	0.78997946	0.79770660	0.81084567

## 4622	99.95846	0.629437029	0.55485016	0.57064360	0.74328935
## 4623	99.96281	0.115825795	0.47258359	0.41268149	0.56884289
## 4624	99.41404	0.001446443	0.18372260	0.17017677	0.26372519
## 4625	99.93772	0.016063305	0.53323966	0.49354544	0.69998014
## 4626	99.97905	0.144692689	0.60841817	0.67390752	0.74316913
## 4627	98.87479	0.000208730	0.39887989	0.42459819	0.54186267
## 4628	99.95546	0.805698037	0.59380001	0.67386359	0.63026124
## 4629	99.99744	0.032819662	0.67142236	0.67706507	0.72620535
## 4630	99.83620	0.071065105	0.44300970	0.59477603	0.80014485
## 4631	98.78821	0.228237912	0.52652776	0.45862126	0.60471022
## 4632	98.68798	0.103688061	0.78977632	0.78169292	0.78714746
## 4633	99.95054	0.093718037	0.58477473	0.63546091	0.80390942
## 4634	99.71684	0.437702149	0.30613467	0.29991662	0.35614675
## 4635	99.96977	0.045671422	0.62639034	0.68447822	0.78851575
## 4636	98.70906	0.986263633	0.43867078	0.69499290	0.63471937
## 4637	99.89146	0.431939721	0.42849371	0.40626541	0.64054304
## 4638	99.99697	0.006987411	0.47654244	0.42525250	0.61847770
## 4639	99.99647	0.212409616	0.54672849	0.62989813	0.65314501
## 4640	99.60052	0.119038366	0.48343369	0.50706470	0.57200021
## 4641	99.32279	0.002124836	0.38577786	0.55302018	0.61677903
## 4642	95.82248	0.197750688	0.32872221	0.31573281	0.31861827
## 4643	96.80853	0.151938424	0.57465023	0.62196589	0.77487248
## 4644	98.61928	0.149337426	0.74672741	0.79940254	0.92654782
## 4645	99.99679	0.062153995	0.82944447	0.85844040	0.83891106
## 4646	99.91369	0.517232835	0.62944472	0.71782345	0.86665881
## 4647	99.99880	0.883456111	0.42369732	0.40481082	0.60982853
## 4648	99.98083	0.019520603	0.50567228	0.50358325	0.60601103
## 4649	99.90584	0.810417652	0.31912783	0.42743051	0.44164723
## 4650	99.99260	0.063467056	0.43111643	0.37678355	0.44995692
## 4651	99.99485	0.385750920	0.66271687	0.71302611	0.76866174
## 4652	99.83125	0.720749199	0.65065092	0.70316571	0.83153188
## 4653	99.79642	0.021367598	0.51921517	0.53286308	0.54232991
## 4654	99.89368	0.012884175	0.52609551	0.50295746	0.69923246
## 4655	99.94302	0.820047319	0.46866909	0.55559778	0.54187906
## 4656	99.99446	0.250911593	0.53255099	0.59634596	0.71731985
## 4657	99.89534	0.031461477	0.64529896	0.71126121	0.76524395
## 4658	99.39117	0.064727642	0.63805485	0.66392201	0.80638427
## 4659	99.69267	0.110530123	0.45542720	0.47866473	0.69770473
## 4660	99.36025	0.112475529	0.58520001	0.52453238	0.69120187
## 4661	99.93053	0.684232891	0.69038498	0.76130807	0.89992517
## 4662	99.91057	0.279604197	0.68255329	0.74362552	0.87417769
## 4663	99.93639	0.183591187	0.31429127	0.26778105	0.48352101
## 4664	99.16448	0.800209820	0.42030334	0.40954971	0.64004201
## 4665	99.86416	0.058340371	0.52176619	0.60847354	0.67927086
## 4666	99.98389	0.084529936	0.59733069	0.68308699	0.61011171
## 4667	99.98576	0.068847939	0.36099729	0.36087835	0.59994519
## 4668	99.44013	0.138096347	0.45648864	0.45916659	0.68152165
## 4669	99.97050	0.666822612	0.42328712	0.48748672	0.49834454
## 4670	99.85506	0.889179349	0.77184093	0.81941009	0.93048888
## 4671	99.72795	0.947167158	0.44069505	0.47040161	0.42651901
## 4672	99.49116	0.894380808	0.38587642	0.36908549	0.50545812
## 4673	99.91995	0.014192944	0.38566884	0.31810504	0.55192506
## 4674	99.87284	0.771800399	0.30713433	0.38620847	0.39681917
## 4675	99.89913	0.563313365	0.48389059	0.51145399	0.70066053

## 4676	99.90798	0.711777151	0.62226361	0.55648285	0.64832485
## 4677	99.92684	0.000069600	0.82322973	0.83941615	0.92740166
## 4678	99.96006	0.003708088	0.36193728	0.39527452	0.58988702
## 4679	99.97650	0.506828189	0.53349477	0.58570421	0.73070115
## 4680	99.95143	0.276995361	0.35105768	0.33548760	0.53216064
## 4681	99.61820	0.046132315	0.67592168	0.63271374	0.76358092
## 4682	99.99895	0.058140066	0.67812866	0.73007864	0.76265502
## 4683	99.94408	0.000019000	0.29354301	0.24772747	0.52942652
## 4684	99.98507	0.148994789	0.62297052	0.63120037	0.75789756
## 4685	99.98211	0.012761985	0.28265521	0.32939017	0.38225105
## 4686	99.96675	0.736110747	0.62314719	0.59782177	0.67069846
## 4687	99.98953	0.132911220	0.55727953	0.61600250	0.68857759
## 4688	96.10249	0.000029400	0.31708092	0.33498806	0.37621945
## 4689	99.89507	0.154406711	0.57674581	0.66878301	0.73070371
## 4690	99.99958	0.012913897	0.55233908	0.59685820	0.76039338
## 4691	99.54706	0.013624708	0.71619713	0.72008794	0.76004922
## 4692	99.78609	0.453892201	0.47899777	0.46351153	0.64929640
## 4693	98.59726	0.000442784	0.25437945	0.21853985	0.20917684
## 4694	99.82267	0.796826839	0.38331371	0.39812169	0.40505406
## 4695	99.74943	0.838782787	0.46672541	0.50212318	0.56362367
## 4696	98.19878	0.028660802	0.56596082	0.50266290	0.68392104
## 4697	99.99056	0.368103981	0.54769510	0.57105535	0.64771092
## 4698	99.97664	0.008161190	0.46960884	0.54754764	0.67002284
## 4699	99.61153	0.006984663	0.26659057	0.21266732	0.46683228
## 4700	99.01563	0.929742813	0.51849729	0.48717162	0.46313888
## 4701	99.85406	0.077556945	0.38663173	0.43147328	0.67773438
## 4702	99.99596	0.011534370	0.44758227	0.51597816	0.63319296
## 4703	99.75160	0.008236350	0.65325886	0.73035032	0.82981116
## 4704	97.77968	0.827772677	0.16880889	0.13905597	0.20746988
## 4705	99.23865	0.862968206	0.35530263	0.43599951	0.42040211
## 4706	99.97046	0.726765931	0.78587931	0.72862512	0.73707682
## 4707	99.99267	0.018249204	0.76926059	0.83269018	0.85836142
## 4708	97.45265	0.192323267	0.74782616	0.78801203	0.70706594
## 4709	99.84053	0.302986115	0.59811854	0.69193441	0.53774321
## 4710	99.85961	0.058566842	0.29227391	0.27296519	0.48914534
## 4711	99.98100	0.022245716	0.41072443	0.41366419	0.54006267
## 4712	99.95607	0.081208892	0.46159822	0.47561908	0.70036679
## 4713	99.98718	0.042414956	0.73622048	0.80212241	0.86119360
## 4714	99.93464	0.080297828	0.46767297	0.43655670	0.60366237
## 4715	99.97433	0.191172376	0.50192899	0.47587246	0.67420930
## 4716	99.93112	0.061355028	0.44954056	0.51925021	0.69910502
## 4717	99.95581	0.220050618	0.82135457	0.84989959	0.94078457
## 4718	99.65249	0.648324847	0.54202139	0.58447141	0.65846914
## 4719	99.41843	0.479924232	0.44426182	0.47488406	0.57791775
## 4720	99.95291	0.001254588	0.25871158	0.25636274	0.43645504
## 4721	98.36690	0.000387836	0.84589463	0.88443410	0.80026484
## 4722	99.99368	0.254227787	0.71041995	0.74414980	0.87271315
## 4723	99.78857	0.010804790	0.70975226	0.73918182	0.84101147
## 4724	99.22969	0.240191951	0.35765824	0.43680561	0.46578973
## 4725	99.19999	0.918541074	0.24853900	0.20092227	0.23259900
## 4726	99.98213	0.346427768	0.50082713	0.48053026	0.68476385
## 4727	99.98076	0.010064056	0.31782875	0.31573829	0.50526708
## 4728	99.61390	0.000052200	0.08708084	0.06323862	0.14705680
## 4729	99.85701	0.163415596	0.59336615	0.66912967	0.74957913

## 4730	99.95704	0.016923638	0.80810595	0.84417230	0.81891859
## 4731	99.95862	0.043110769	0.69849026	0.72808123	0.82260793
## 4732	99.75263	0.765641212	0.61984175	0.75983888	0.66883498
## 4733	99.79692	0.022268670	0.53353238	0.59007341	0.73909473
## 4734	99.99918	0.037010983	0.53699392	0.58570439	0.76625246
## 4735	99.99775	0.157261297	0.56493998	0.58861393	0.70219606
## 4736	91.16202	0.923166156	0.60628658	0.75419992	0.59743023
## 4737	99.99997	0.023649139	0.77653927	0.80685622	0.88411635
## 4738	99.96795	0.166368142	0.83742338	0.89224446	0.90914863
## 4739	99.27244	0.301348090	0.51228094	0.62575513	0.76428032
## 4740	98.12133	0.988420665	0.60382003	0.77539289	0.68443274
## 4741	99.78534	0.242078066	0.56252521	0.65553766	0.70799339
## 4742	99.42370	0.015578626	0.53232306	0.61754233	0.48349628
## 4743	99.65642	0.600962520	0.51461667	0.59574157	0.46271592
## 4744	99.80624	0.404380769	0.50373054	0.55088019	0.54963165
## 4745	99.19757	0.596020281	0.52856463	0.65710831	0.50656831
## 4746	98.76691	0.045258153	0.70027304	0.74481738	0.77564889
## 4747	99.99751	0.201673105	0.51315546	0.49564111	0.62125129
## 4748	99.83239	0.007257521	0.36665845	0.37368819	0.57062048
## 4749	99.98805	0.408152938	0.44427559	0.47195563	0.68272340
## 4750	99.99799	0.031014623	0.66336888	0.75574285	0.83584786
## 4751	99.33317	0.390260577	0.66757083	0.75440347	0.73941994
## 4752	99.98359	0.219911531	0.51358968	0.56265676	0.67207658
## 4753	99.94306	0.268606007	0.53465766	0.63049054	0.61807495
## 4754	99.92297	0.107122153	0.27768993	0.30096319	0.50275230
## 4755	99.88158	0.056374300	0.52812076	0.49809647	0.69782770
## 4756	99.69578	0.060038842	0.48801556	0.54592550	0.69374579
## 4757	99.98029	0.831285894	0.48449388	0.50933617	0.67217535
## 4758	99.98339	0.021526078	0.66810918	0.76741433	0.83889991
## 4759	98.31805	0.000744561	0.31844145	0.35853511	0.54504174
## 4760	99.99586	0.218873754	0.48203927	0.50786203	0.70899880
## 4761	90.71898	0.014451545	0.13339385	0.11310808	0.26951069
## 4762	99.61904	0.022846663	0.60124505	0.57667100	0.62980133
## 4763	99.99032	0.300670445	0.49536422	0.47668639	0.67295080
## 4764	99.96652	0.149710461	0.62084699	0.71425193	0.72399092
## 4765	99.91141	0.072757415	0.53554523	0.55571675	0.65910208
## 4766	99.88608	0.325368822	0.52232480	0.67685616	0.53059727
## 4767	99.98900	0.079447456	0.60550791	0.64957392	0.80893534
## 4768	99.79690	0.050019376	0.46161857	0.45991120	0.67351151
## 4769	99.92709	0.031341176	0.54415202	0.58666760	0.72291017
## 4770	99.94637	0.458945662	0.29891089	0.28006673	0.32531804
## 4771	99.72906	0.634541512	0.58225000	0.69432956	0.68427277
## 4772	99.94016	0.007325470	0.52046919	0.46247411	0.58105731
## 4773	98.68423	0.881284118	0.46597412	0.45595491	0.57812482
## 4774	99.68189	0.280424684	0.37924629	0.31951567	0.49758297
## 4775	99.43758	0.902812064	0.36765409	0.34531745	0.27108195
## 4776	99.95188	0.318750888	0.37526989	0.42710173	0.54639798
## 4777	99.99968	0.037900582	0.49344453	0.52009928	0.60998809
## 4778	99.92311	0.082029708	0.41620704	0.41448256	0.65357995
## 4779	99.75991	0.124583155	0.61579645	0.63677204	0.79106063
## 4780	92.57406	0.139944077	0.60825795	0.68516558	0.72788161
## 4781	98.35262	0.601285756	0.38638911	0.44128397	0.57977623
## 4782	99.21309	0.057698250	0.69581622	0.79494482	0.92635375
## 4783	99.63486	0.067599356	0.37616667	0.32897380	0.55774117

## 4784	99.92955	0.006769247	0.66768587	0.76285487	0.85688627
## 4785	99.94692	0.386590749	0.65764236	0.72587317	0.83391243
## 4786	99.77568	0.408816129	0.33478031	0.40165275	0.37390074
## 4787	98.42010	0.318273723	0.19611439	0.16509300	0.26808140
## 4788	96.53971	0.130677968	0.38233253	0.46493721	0.46976441
## 4789	99.90848	0.864892423	0.55918574	0.61580467	0.47679934
## 4790	99.83591	0.296125889	0.55218941	0.58892262	0.76003259
## 4791	99.99292	0.458554745	0.25752974	0.26990297	0.34216672
## 4792	99.98122	0.033452999	0.61653817	0.67798394	0.81962115
## 4793	99.94628	0.302289307	0.57673973	0.57235974	0.74584192
## 4794	99.94647	0.891685426	0.35695729	0.37536031	0.46050420
## 4795	99.95203	0.187429637	0.48149601	0.49759588	0.63693595
## 4796	99.96729	0.013818055	0.26148617	0.24347466	0.49451909
## 4797	99.93886	0.001488581	0.27654532	0.28202099	0.49170354
## 4798	99.83430	0.013011820	0.34849560	0.30417201	0.57652044
## 4799	99.91075	0.659947217	0.50681174	0.59611887	0.64534956
## 4800	99.85032	0.236082107	0.26777202	0.25784233	0.34713960
## 4801	97.81254	0.725852072	0.69036835	0.68796140	0.76987672
## 4802	99.98759	0.059240215	0.38072440	0.39433622	0.60976440
## 4803	99.95702	0.009424970	0.20042168	0.18694283	0.32741374
## 4804	99.94849	0.864298642	0.34253991	0.32125923	0.36724627
## 4805	99.51179	0.795333564	0.66515428	0.68100172	0.79454225
## 4806	98.76948	0.952070415	0.20676582	0.17951529	0.24780455
## 4807	98.84685	0.271394044	0.65771508	0.69099701	0.66157252
## 4808	99.99594	0.026751567	0.63397008	0.65439451	0.76891130
## 4809	99.76816	0.129955187	0.67710578	0.77070528	0.84251249
## 4810	99.70053	0.289856344	0.47624281	0.49156657	0.59148151
## 4811	99.16922	0.648504972	0.23348013	0.22756638	0.44569865
## 4812	99.97250	0.273161381	0.40637284	0.41012430	0.61165845
## 4813	97.37485	0.056461506	0.40859717	0.37772095	0.62769842
## 4814	99.93914	0.116031498	0.59503937	0.65639794	0.79736942
## 4815	99.88006	0.461298466	0.25156605	0.24835415	0.36107355
## 4816	99.86278	0.368124843	0.41474125	0.44198388	0.62816089
## 4817	99.89999	0.104163140	0.28634223	0.26120236	0.53213727
## 4818	99.79728	0.791905344	0.67543083	0.71326190	0.84032989
## 4819	99.71379	0.632219613	0.50516379	0.53320372	0.61425841
## 4820	99.97751	0.447456777	0.32925513	0.26083073	0.46601600
## 4821	99.99186	0.089002490	0.36770144	0.35686958	0.41177827
## 4822	99.93530	0.037376173	0.58085960	0.59297341	0.68072075
## 4823	99.82670	0.540725529	0.69710839	0.73277658	0.81987953
## 4824	99.91561	0.083382182	0.52877241	0.56870824	0.75887936
## 4825	99.96649	0.133162409	0.62362230	0.71446544	0.82050026
## 4826	98.81275	0.048645899	0.47411734	0.58300310	0.51057661
## 4827	99.93831	0.013593126	0.40644822	0.49355331	0.43261966
## 4828	99.89727	0.323429316	0.46126786	0.59852791	0.57945591
## 4829	93.00398	0.977188289	0.31075001	0.22383833	0.34456998
## 4830	99.86078	0.992448330	0.44643909	0.37970820	0.60387313
## 4831	98.67525	0.668647110	0.52413583	0.67929220	0.63982987
## 4832	99.76481	0.299448878	0.39301410	0.48163700	0.52078086
## 4833	99.20803	0.000198869	0.25811052	0.21880117	0.34107205
## 4834	99.90512	0.270402849	0.34124619	0.29285517	0.45956364
## 4835	99.96379	0.111451454	0.65430856	0.66310471	0.76999360
## 4836	99.56773	0.182611600	0.62223107	0.69768751	0.84012353
## 4837	99.96558	0.138327852	0.55895382	0.64508992	0.72150218

## 4838	99.96743	0.561325014	0.35664231	0.34079370	0.50489837
## 4839	99.90334	0.070806079	0.57502180	0.64343232	0.78454959
## 4840	99.64530	0.063439369	0.46793267	0.46767354	0.52475262
## 4841	99.92116	0.689334929	0.14645390	0.12442248	0.15702097
## 4842	99.36220	0.243019268	0.62523496	0.68596858	0.67815459
## 4843	99.84099	0.690214813	0.31559196	0.35509360	0.41272718
## 4844	99.95339	0.354325354	0.47152215	0.53966397	0.67648554
## 4845	98.09057	0.988671541	0.63117206	0.77504003	0.66068620
## 4846	99.94977	0.132799476	0.37611339	0.42050964	0.49316952
## 4847	99.83593	0.150448397	0.50176197	0.58448493	0.60077816
## 4848	99.93341	0.153192416	0.55844003	0.70378983	0.54587877
## 4849	99.93403	0.699294329	0.32437313	0.33070985	0.37510049
## 4850	99.94569	0.481809437	0.56829387	0.70324624	0.68640876
## 4851	99.90665	0.249395967	0.31461596	0.35371789	0.49077436
## 4852	99.99662	0.010711594	0.54241955	0.61489821	0.66771132
## 4853	99.93290	0.165194646	0.51847583	0.56554931	0.70465368
## 4854	99.84096	0.045157846	0.57052344	0.60387897	0.76866281
## 4855	99.98182	0.315302163	0.51970267	0.64130515	0.62400204
## 4856	99.95952	0.884625018	0.55798125	0.51520228	0.60780054
## 4857	99.98478	0.444136173	0.29412359	0.26846394	0.36429405
## 4858	96.60811	0.024257259	0.69133776	0.70624512	0.78945357
## 4859	99.99622	0.751002312	0.24574999	0.22133577	0.34052238
## 4860	99.88740	0.176025838	0.54735625	0.55626726	0.75441951
## 4861	99.96483	0.697007537	0.53558099	0.61239594	0.73902983
## 4862	99.92293	0.069500342	0.56729484	0.60029078	0.72335350
## 4863	97.39485	0.128554776	0.56273443	0.68112665	0.75298858
## 4864	99.81898	0.031877413	0.46497887	0.59761316	0.68329561
## 4865	99.80643	0.052424718	0.29712614	0.30935440	0.54904455
## 4866	99.89242	0.008632858	0.67085731	0.78754187	0.82149267
## 4867	99.94590	0.134880170	0.48122501	0.44201148	0.57895487
## 4868	92.93747	0.420128226	0.50704628	0.55790150	0.67597878
## 4869	99.76040	0.226618677	0.52489173	0.56778711	0.73520410
## 4870	99.71956	0.497809440	0.25994685	0.25016049	0.46505356
## 4871	99.73880	0.985139787	0.15119444	0.16965446	0.22419342
## 4872	99.79305	0.752422571	0.54392993	0.62841594	0.52124459
## 4873	99.96974	0.122729659	0.57094645	0.62436926	0.71064591
## 4874	99.75687	0.391684711	0.61100858	0.65000862	0.79651868
## 4875	99.92368	0.786865175	0.29592857	0.33335200	0.39134431
## 4876	98.99687	0.072364800	0.40552610	0.38005683	0.44693217
## 4877	99.98826	0.431328446	0.61304456	0.71108133	0.74694562
## 4878	99.94270	0.122128166	0.44050369	0.44355717	0.65445971
## 4879	99.97483	0.016928580	0.29038224	0.25597772	0.48129055
## 4880	99.86884	0.167993993	0.59918898	0.70802450	0.79654402
## 4881	96.92830	0.033289645	0.43639588	0.45473641	0.66571724
## 4882	99.96302	0.811495602	0.48339483	0.49098843	0.62809265
## 4883	92.09742	0.126676455	0.49956980	0.45876849	0.68754667
## 4884	99.68879	0.032349024	0.47118947	0.48247069	0.66239387
## 4885	99.79433	0.044369046	0.78215164	0.85248643	0.93938804
## 4886	99.97060	0.032370832	0.37256452	0.38802421	0.63624519
## 4887	98.64640	0.599455833	0.41650993	0.52175212	0.49378443
## 4888	98.02274	0.319687217	0.75203151	0.78923571	0.81335956
## 4889	93.43426	0.182140425	0.48972148	0.54295647	0.61354679
## 4890	99.85430	0.820871770	0.52729565	0.62100792	0.49842784
## 4891	99.86706	0.155589670	0.53176701	0.55542052	0.74458218

## 4892	99.98851	0.985944748	0.26102433	0.20902847	0.25502399
## 4893	99.97142	0.072846949	0.59083378	0.62155408	0.74767232
## 4894	99.95617	0.127053767	0.47151896	0.45635212	0.67157871
## 4895	99.91306	0.017217828	0.48244339	0.46583003	0.68590504
## 4896	99.64846	0.043403834	0.45266515	0.55433631	0.61790121
## 4897	99.46774	0.160595566	0.47874498	0.52683431	0.47606570
## 4898	99.95972	0.402397633	0.77188873	0.82433069	0.88740873
## 4899	99.87438	0.262476891	0.67246437	0.76960921	0.86318708
## 4900	99.89941	0.469275534	0.62629217	0.65719819	0.77911198
## 4901	95.57334	0.275617480	0.55399811	0.61046529	0.75702030
## 4902	99.96738	0.014941545	0.56047344	0.57703167	0.70448101
## 4903	99.88839	0.334938735	0.57870275	0.63680792	0.69347388
## 4904	98.85236	0.020218475	0.46615616	0.44055244	0.65415597
## 4905	99.18683	0.014301498	0.45321372	0.56664532	0.60153002
## 4906	99.93819	0.001707520	0.65339917	0.72890478	0.80355573
## 4907	99.98671	0.060586736	0.57725793	0.62031674	0.63768077
## 4908	99.70573	0.819290638	0.58885264	0.74267274	0.71975857
## 4909	99.96417	0.604135811	0.45177355	0.52505976	0.57661903
## 4910	99.57182	0.337707698	0.34894514	0.35424864	0.48952752
## 4911	99.31833	0.345416367	0.51581782	0.62789881	0.55236655
## 4912	99.49482	0.232637733	0.68600225	0.73477823	0.83068979
## 4913	99.92686	0.037011191	0.41996410	0.39167261	0.52312553
## 4914	99.05384	0.553461313	0.51495713	0.61724454	0.68071657
## 4915	99.61910	0.029692156	0.41648915	0.39434245	0.64403707
## 4916	98.63573	0.024061484	0.31771317	0.30819595	0.49883109
## 4917	99.81146	0.079818115	0.46419963	0.57465476	0.52085894
## 4918	99.97426	0.146128550	0.49964547	0.45759192	0.65896630
## 4919	99.96042	0.017268239	0.53457815	0.54375112	0.67596126
## 4920	99.70888	0.109363832	0.78476340	0.79522562	0.81517839
## 4921	99.92167	0.399229437	0.64043862	0.61130160	0.69057536
## 4922	98.80799	0.237817019	0.42047772	0.38549432	0.50879139
## 4923	99.95570	0.029751413	0.68932414	0.72277480	0.84036285
## 4924	99.99638	0.363826334	0.65220648	0.73589784	0.81115997
## 4925	99.97199	0.426225573	0.67075455	0.76093304	0.80482888
## 4926	99.34196	0.111471452	0.42712236	0.41895711	0.35925922
## 4927	99.61054	0.570963740	0.65596914	0.73898608	0.79930735
## 4928	99.98039	0.141242042	0.27373835	0.27965543	0.27130562
## 4929	99.97963	0.645304620	0.55934197	0.56403881	0.76922238
## 4930	99.95992	0.257046372	0.53797346	0.61872798	0.75522196
## 4931	99.99553	0.273198456	0.48292896	0.44534490	0.60362858
## 4932	99.13685	0.000343969	0.21002480	0.18246076	0.36643317
## 4933	99.42292	0.001276378	0.41797552	0.41670334	0.59923750
## 4934	99.50339	0.478120387	0.59959459	0.63294589	0.76592070
## 4935	99.99175	0.067416713	0.46052989	0.47643703	0.67564774
## 4936	99.89249	0.215925008	0.65786433	0.72476393	0.81084615
## 4937	99.80827	0.735502422	0.45634988	0.45399541	0.68005365
## 4938	97.90706	0.249753311	0.71307331	0.80620933	0.92251223
## 4939	99.24017	0.777821243	0.51182383	0.58091974	0.68027210
## 4940	99.70413	0.167723060	0.52927470	0.56803250	0.74639666
## 4941	99.98807	0.004308577	0.54102457	0.56732374	0.77323180
## 4942	99.95262	0.064879663	0.42509571	0.44036749	0.66445917
## 4943	98.57255	0.980863333	0.12269348	0.09413099	0.08392472
## 4944	99.91967	0.267703176	0.54241669	0.54901451	0.74562222
## 4945	98.67987	0.384443253	0.48186374	0.51845455	0.73066544

## 4946	99.79962	0.000062400	0.23519531	0.20878719	0.46120307
## 4947	99.76447	0.009599613	0.77366841	0.80682451	0.83048385
## 4948	99.93737	0.016437491	0.33240530	0.30012336	0.53859001
## 4949	99.99776	0.097531520	0.57463181	0.60368729	0.69347090
## 4950	99.65780	0.137744844	0.72988236	0.68890119	0.71805316
## 4951	99.65401	0.117067680	0.37101319	0.39298564	0.50567609
## 4952	99.80350	0.089933820	0.66807455	0.71910536	0.76165229
## 4953	99.95813	0.276133984	0.64216149	0.63359600	0.74171048
## 4954	96.15970	0.037298989	0.70125449	0.73375487	0.85351163
## 4955	99.99684	0.032287538	0.45804015	0.50031424	0.48184022
## 4956	99.87085	0.177798510	0.51185280	0.52840453	0.67794537
## 4957	99.41836	0.776582181	0.14873119	0.11779136	0.15520200
## 4958	99.99996	0.076916866	0.59140462	0.58660543	0.67138952
## 4959	99.82593	0.082446583	0.46904719	0.50938940	0.59554356
## 4960	99.98000	0.005201615	0.47270921	0.43584186	0.58043796
## 4961	99.98546	0.990086555	0.19807625	0.16344835	0.21640621
## 4962	99.77453	0.001101977	0.25483754	0.21501717	0.44220862
## 4963	99.99438	0.031005451	0.51542973	0.49270523	0.70811951
## 4964	99.40822	0.634531379	0.59453797	0.67502749	0.81159860
## 4965	99.79360	0.175964922	0.63341951	0.61565369	0.75614905
## 4966	99.43005	0.097882777	0.64182979	0.65630472	0.78220218
## 4967	99.86945	0.101897709	0.35460523	0.34778085	0.55343527
## 4968	99.68850	0.253614843	0.57466841	0.66946328	0.83425724
## 4969	99.72009	0.048273176	0.46174535	0.46216717	0.69221634
## 4970	99.81091	0.518252671	0.46980539	0.47027481	0.57628447
## 4971	97.61344	0.032189835	0.60629135	0.67445046	0.76182419
## 4972	99.67480	0.088588387	0.51961416	0.53376710	0.65180981
## 4973	99.96788	0.022695391	0.65142465	0.67985809	0.74497813
## 4974	99.58296	0.151094064	0.51328438	0.55484134	0.67646390
## 4975	99.78005	0.477553636	0.55623376	0.53663802	0.73227924
## 4976	99.47687	0.421274573	0.52087212	0.62985271	0.57100272
## 4977	99.91633	0.746851981	0.22543226	0.17839265	0.14529718
## 4978	99.71200	0.061609801	0.57310170	0.64401960	0.77363265
## 4979	99.98707	0.296120912	0.51123333	0.47507036	0.68927515
## 4980	99.97888	0.318162054	0.61653954	0.71372646	0.53216463
## 4981	99.99225	0.085547775	0.58935231	0.65518057	0.68584055
## 4982	99.80074	0.787784338	0.25768015	0.26731124	0.34811252
## 4983	99.95690	0.023888944	0.41305783	0.34194067	0.55390722
## 4984	99.95981	0.037575927	0.41521850	0.42453927	0.63850021
## 4985	99.92492	0.041948088	0.80509311	0.83588809	0.79559636
## 4986	99.96634	0.004006713	0.30280119	0.27168995	0.55774206
## 4987	98.38205	0.000542334	0.52298534	0.52911532	0.58359504
## 4988	99.04388	0.030399550	0.36407873	0.30636501	0.53862464
## 4989	98.09182	0.581560791	0.61606681	0.64807761	0.58807546
## 4990	99.95969	0.136934951	0.52876473	0.58424067	0.71326238
## 4991	99.97631	0.107523866	0.30772814	0.27928296	0.50927967
## 4992	99.67905	0.032530762	0.50793248	0.61325491	0.69529039
## 4993	99.96866	0.189091995	0.61045736	0.69792724	0.72293138
## 4994	99.01088	0.770096421	0.11366788	0.08608714	0.07823335
## 4995	99.63727	0.435120016	0.25332659	0.23245582	0.38256267
## 4996	99.82677	0.030201396	0.63412923	0.65088594	0.72227454
## 4997	99.92402	0.025552697	0.60744745	0.68472522	0.59367502
## 4998	99.98862	0.194939688	0.69598180	0.72366601	0.78197318
## 4999	99.74283	0.003026222	0.26694149	0.25315428	0.52529973

## 5000	99.90207	0.200752780	0.53525788	0.54335898	0.64235961
## 5001	99.36303	0.021897558	0.67171723	0.74401659	0.79183537
## 5002	99.99574	0.121168785	0.41948888	0.55205500	0.53062564
## 5003	99.64781	0.184133098	0.52175742	0.56789172	0.63667548
## 5004	99.75148	0.195253551	0.36689457	0.37396058	0.59422475
## 5005	99.99175	0.319277644	0.58937264	0.54960054	0.67960286
## 5006	99.98536	0.132978126	0.28786430	0.25496462	0.44471678
## 5007	98.65358	0.370974809	0.63170534	0.68758798	0.75422674
## 5008	99.97555	0.026648067	0.36239255	0.32691860	0.59353149
## 5009	97.67150	0.634125710	0.66012991	0.78139335	0.86101306
## 5010	99.81313	0.669861436	0.62562144	0.70805794	0.75420082
## 5011	99.23405	0.000866879	0.19617982	0.16467026	0.37342521
## 5012	99.91236	0.979774415	0.23300344	0.22354251	0.29134870
## 5013	99.93842	0.023505626	0.43301618	0.47335690	0.45053661
## 5014	99.64266	0.740141094	0.26087469	0.27584901	0.53267026
## 5015	99.98066	0.003202744	0.31073478	0.26218888	0.52877516
## 5016	99.11892	0.581171453	0.72242737	0.73460776	0.80888969
## 5017	99.96804	0.096722916	0.61292815	0.72781426	0.76769590
## 5018	99.98555	0.990808249	0.24194363	0.19300562	0.43064234
## 5019	99.94646	0.117770724	0.70520753	0.83146936	0.79303986
## 5020	99.80886	0.020742251	0.43222862	0.39053166	0.60502785
## 5021	99.49647	0.079369120	0.47434369	0.41895422	0.56479156
## 5022	99.91398	0.017540699	0.49964085	0.42966050	0.64487213
## 5023	97.45585	0.186317340	0.51044750	0.63413185	0.65995610
## 5024	99.78666	0.191318557	0.54621381	0.59616935	0.72924489
## 5025	99.93985	0.847346663	0.61464143	0.75325441	0.75739503
## 5026	99.93153	0.030392900	0.55078733	0.59727502	0.76855338
## 5027	99.99089	0.103385590	0.72069281	0.74688047	0.57827157
## 5028	99.41467	0.868907869	0.37785253	0.35101300	0.32209700
## 5029	99.75358	0.004769448	0.46247736	0.48160157	0.71166664
## 5030	99.99574	0.876667082	0.27050000	0.26797327	0.24009593
## 5031	99.77893	0.024059121	0.60538912	0.60790729	0.75105876
## 5032	99.88793	0.010427718	0.32499152	0.31367648	0.51388693
## 5033	97.27161	0.138200715	0.70469904	0.79919297	0.90413523
## 5034	99.63616	0.002228397	0.46628663	0.46988335	0.43239743
## 5035	98.46633	0.393657327	0.64502412	0.66610527	0.82438630
## 5036	99.98110	0.061396364	0.67131334	0.75537497	0.82825315
## 5037	99.88531	0.096571162	0.63292855	0.62805933	0.78906703
## 5038	98.68917	0.001289268	0.18886231	0.16855493	0.30848408
## 5039	99.94913	0.235427365	0.66621125	0.70902687	0.78939688
## 5040	99.08769	0.742552936	0.39996403	0.43925333	0.63888085
## 5041	99.67037	0.610124886	0.42451531	0.40842789	0.63046062
## 5042	99.83143	0.194143161	0.58871895	0.69090253	0.79645067
## 5043	99.99668	0.021790741	0.44869018	0.47915947	0.54085296
## 5044	99.34701	0.016101597	0.26966247	0.23131078	0.40670469
## 5045	99.25933	0.853435576	0.35515577	0.34151766	0.51618540
## 5046	98.46253	0.053412773	0.59677601	0.60979199	0.68276197
## 5047	99.73551	0.467268050	0.44811222	0.46063581	0.62881690
## 5048	99.83151	0.005599678	0.31070283	0.28263181	0.48187313
## 5049	99.93937	0.206235945	0.57081974	0.69283909	0.57224184
## 5050	99.95572	0.009398832	0.37185323	0.34399757	0.54005021
## 5051	99.93198	0.710360050	0.63427651	0.80196720	0.76650167
## 5052	99.78390	0.715813041	0.14671268	0.10731525	0.07697130
## 5053	98.52535	0.953418791	0.53278077	0.51741886	0.48476186

## 5054	99.75448	0.367280990	0.17480499	0.15704933	0.17720744
## 5055	99.93562	0.749327660	0.44157368	0.39609948	0.56471163
## 5056	99.23434	0.699753940	0.19539744	0.15544340	0.15596147
## 5057	99.09291	0.000425633	0.24199764	0.22641692	0.36628923
## 5058	99.46771	0.265426993	0.67216170	0.70373654	0.78565019
## 5059	99.37881	0.410398036	0.56421357	0.50415379	0.57336974
## 5060	99.93636	0.523513913	0.30896530	0.35320944	0.43874168
## 5061	99.84395	0.085800618	0.55388570	0.60067546	0.77184141
## 5062	99.48306	0.194957063	0.73229533	0.70576143	0.72333068
## 5063	99.78636	0.612736642	0.55994976	0.52664596	0.62592387
## 5064	99.54040	0.035732768	0.54189855	0.60646200	0.67642713
## 5065	99.99724	0.103561893	0.48942807	0.52030921	0.69133991
## 5066	99.81592	0.349432677	0.55550575	0.59279251	0.75013810
## 5067	98.74001	0.076299943	0.79703444	0.82904154	0.84677315
## 5068	99.95115	0.284737706	0.39916557	0.35360050	0.58895779
## 5069	99.68529	0.353170663	0.67401850	0.70570165	0.72085828
## 5070	99.89649	0.000526518	0.45661038	0.43522114	0.66189003
## 5071	97.83009	0.320717067	0.39239633	0.43329647	0.46461287
## 5072	99.85703	0.099017613	0.71694142	0.79858983	0.85633314
## 5073	98.10193	0.124881998	0.36273301	0.35560596	0.59070247
## 5074	99.98441	0.193663090	0.64480317	0.63399565	0.72170508
## 5075	99.95072	0.900646925	0.34445047	0.35670569	0.33364174
## 5076	99.90441	0.301864564	0.60405916	0.69505995	0.59019357
## 5077	99.96420	0.075667754	0.43955076	0.44227514	0.63968307
## 5078	99.34427	0.000024100	0.29978797	0.24023922	0.49969625
## 5079	98.62107	0.023337796	0.71750784	0.76735735	0.86780590
## 5080	99.17952	0.868888021	0.59664237	0.63212067	0.69853818
## 5081	99.96603	0.576727748	0.58143324	0.55602688	0.66354287
## 5082	99.91689	0.083791628	0.73079783	0.79504794	0.86928540
## 5083	99.80465	0.062536076	0.31590799	0.31481621	0.44144234
## 5084	99.47364	0.909862399	0.50275767	0.49346411	0.68165570
## 5085	99.99264	0.029214475	0.61799997	0.68439698	0.82215744
## 5086	99.07608	0.021697747	0.33185762	0.32245186	0.59109276
## 5087	99.96358	0.012998166	0.58653247	0.66577524	0.76478672
## 5088	99.88793	0.401296586	0.49368751	0.53997123	0.44306108
## 5089	99.72502	0.005000235	0.78879225	0.86784440	0.86282259
## 5090	99.98255	0.095595196	0.50024736	0.47356221	0.67954916
## 5091	99.64012	0.153952584	0.36931062	0.37566322	0.56301516
## 5092	99.99726	0.040363040	0.71703440	0.74294412	0.84079939
## 5093	99.96355	0.888985038	0.62266165	0.66646379	0.76309598
## 5094	95.88810	0.467043221	0.32134792	0.32677108	0.37626728
## 5095	99.89278	0.139534786	0.55678451	0.56352681	0.69559419
## 5096	99.96512	0.789973617	0.64957541	0.56783932	0.63766146
## 5097	99.94554	0.043152038	0.77822930	0.81933564	0.93461227
## 5098	99.99967	0.209758431	0.74709618	0.84425169	0.83088869
## 5099	99.99367	0.057237037	0.72048140	0.74913424	0.82460922
## 5100	99.64911	0.043607462	0.51729041	0.51022327	0.68924153
## 5101	99.98946	0.011266584	0.53904897	0.55402833	0.64955252
## 5102	99.99189	0.238130182	0.44259468	0.43865663	0.59968936
## 5103	99.91154	0.893681109	0.41008216	0.39807630	0.48637018
## 5104	99.93647	0.056111161	0.31877288	0.25640193	0.43021196
## 5105	99.87299	0.021619122	0.81405962	0.86348420	0.85451388
## 5106	99.84878	0.028352149	0.47209320	0.46499068	0.68044245
## 5107	99.93443	0.579195678	0.59074116	0.69030148	0.54223687

## 5108	99.93679	0.798384964	0.41764161	0.45786947	0.36789909
## 5109	99.69105	0.278496146	0.56502545	0.68526000	0.74908841
## 5110	97.82290	0.837875605	0.17011948	0.28324372	0.37194407
## 5111	99.94579	0.046938721	0.44739512	0.42098853	0.64292586
## 5112	99.90384	0.007510541	0.35599658	0.33510408	0.51202571
## 5113	99.98628	0.429149568	0.57594961	0.61791962	0.68432987
## 5114	99.69012	0.457186401	0.86267191	0.87081951	0.86111295
## 5115	99.96330	0.282938391	0.34202227	0.34630117	0.43546066
## 5116	99.92130	0.026332241	0.23554167	0.21520194	0.42689651
## 5117	99.98785	0.070283331	0.47144514	0.45382720	0.65801036
## 5118	99.79415	0.654241145	0.45517871	0.42583621	0.57214153
## 5119	99.95448	0.132685304	0.51146579	0.60193646	0.68032300
## 5120	99.33580	0.048272192	0.62004739	0.58845967	0.71374482
## 5121	99.90625	0.262359411	0.73459816	0.79713517	0.90764767
## 5122	99.28442	0.191645011	0.46572235	0.42354167	0.35654235
## 5123	99.94458	0.086759001	0.60359854	0.69052702	0.79984999
## 5124	99.98063	0.151088446	0.48339683	0.47870964	0.66076094
## 5125	99.98442	0.263628751	0.56256574	0.53691465	0.73345679
## 5126	98.84293	0.744254768	0.50047755	0.59315062	0.52347696
## 5127	99.98631	0.009544589	0.51177108	0.61398166	0.52878761
## 5128	99.74690	0.147465199	0.60056496	0.68212098	0.75207251
## 5129	99.21137	0.584022164	0.58639652	0.68837553	0.73076350
## 5130	97.93771	0.567623556	0.59892511	0.70217192	0.85091180
## 5131	99.75798	0.000115636	0.25258869	0.22264507	0.44988456
## 5132	99.89633	0.251074135	0.62284839	0.71194255	0.74887294
## 5133	99.95130	0.702296674	0.69714373	0.69186950	0.80185229
## 5134	99.85929	0.000781182	0.11221494	0.09081993	0.23300314
## 5135	98.89576	0.135651454	0.25320348	0.29494670	0.44980463
## 5136	99.06654	0.402620524	0.34726977	0.41611612	0.54524386
## 5137	99.76733	0.498696446	0.35209653	0.39466083	0.51529783
## 5138	99.87494	0.178961605	0.59617996	0.62824464	0.74489737
## 5139	99.94176	0.161407217	0.53388053	0.60327351	0.64038122
## 5140	99.97177	0.075929709	0.59739852	0.56884813	0.54587996
## 5141	99.68547	0.797354639	0.34106508	0.42795318	0.44019064
## 5142	99.76885	0.528161526	0.51129085	0.53143549	0.58666241
## 5143	98.74538	0.136513859	0.65928936	0.69444710	0.72004241
## 5144	99.52042	0.459674478	0.38592440	0.56089336	0.76668942
## 5145	99.86240	0.022523632	0.33930480	0.28080299	0.44512966
## 5146	99.97551	0.983825028	0.23668237	0.18957961	0.31184533
## 5147	99.93003	0.024562048	0.76388937	0.71958053	0.74706936
## 5148	99.98647	0.019937696	0.34827170	0.33545443	0.58872682
## 5149	99.32681	0.018854387	0.38529897	0.31659833	0.56363237
## 5150	99.45172	0.000016800	0.15601067	0.13748619	0.29694274
## 5151	99.43424	0.422316343	0.79839510	0.84734952	0.91162145
## 5152	99.93720	0.886709630	0.36913264	0.42329803	0.48495340
## 5153	99.92367	0.028538706	0.35300437	0.35424790	0.59972554
## 5154	99.64596	0.035657961	0.36203176	0.33208880	0.57952082
## 5155	99.77375	0.727252424	0.63977402	0.62718201	0.73532921
## 5156	99.96986	0.040407341	0.35469836	0.33905938	0.54616374
## 5157	99.83865	0.002885883	0.37960792	0.36324072	0.54595053
## 5158	99.90634	0.597746134	0.54833120	0.62575120	0.47787523
## 5159	99.21881	0.859980822	0.50297684	0.59159082	0.56244403
## 5160	99.99006	0.015524442	0.47353241	0.56247079	0.71188348
## 5161	99.84802	0.181044936	0.69499999	0.72546649	0.82371092

## 5162	99.96349	0.961110890	0.50587606	0.42623970	0.45116952
## 5163	99.95001	0.002382420	0.40877119	0.38241822	0.57011753
## 5164	99.95508	0.803524137	0.58673573	0.61463910	0.77964395
## 5165	99.59799	0.032793343	0.58603227	0.55976701	0.72744924
## 5166	99.99018	0.040433161	0.39384520	0.36925483	0.56667358
## 5167	99.95770	0.000414799	0.72350508	0.80005336	0.89236754
## 5168	99.66348	0.071689866	0.49636841	0.57726484	0.67815596
## 5169	99.94579	0.059244748	0.39060461	0.40296075	0.58591390
## 5170	99.93239	0.952136159	0.57092696	0.58640808	0.74901533
## 5171	99.60012	0.210614130	0.53949833	0.63464731	0.60605532
## 5172	99.19507	0.733049333	0.64700002	0.70049894	0.70584190
## 5173	99.91675	0.018671498	0.32567570	0.28538400	0.54143912
## 5174	99.67549	0.133198947	0.52053487	0.64980722	0.52733898
## 5175	99.97874	0.259952039	0.27611741	0.20409164	0.43063533
## 5176	99.91312	0.055740178	0.29814670	0.25976986	0.25311008
## 5177	99.99835	0.169511095	0.60362434	0.67551601	0.83722854
## 5178	99.85725	0.833346307	0.70088321	0.74212539	0.86088586
## 5179	92.58075	0.299751282	0.73858702	0.79888350	0.91179794
## 5180	99.92046	0.041685995	0.28736892	0.25555342	0.52365750
## 5181	99.99947	0.919430196	0.51191533	0.58017141	0.77678800
## 5182	98.39418	0.446558982	0.47154731	0.51201844	0.65526247
## 5183	99.98613	0.401628554	0.69474173	0.75352365	0.82552135
## 5184	99.94763	0.125661090	0.24155232	0.20308961	0.39352047
## 5185	99.00528	0.590564430	0.44032908	0.44872785	0.57030463
## 5186	99.84754	0.103930242	0.44049814	0.46961728	0.67698127
## 5187	99.66991	0.069743901	0.45916018	0.56884634	0.59573281
## 5188	99.86233	0.103067592	0.66681224	0.69043303	0.76678062
## 5189	99.70570	0.927913368	0.30042621	0.31603915	0.40326557
## 5190	99.78854	0.004955462	0.44157684	0.38980517	0.62798107
## 5191	99.97669	0.918808222	0.38577753	0.45151499	0.40145522
## 5192	99.56929	0.250706792	0.41254720	0.37880927	0.61832935
## 5193	99.98225	0.421697259	0.59260523	0.69113052	0.65401357
## 5194	99.91388	0.041478328	0.37168211	0.30299741	0.47903255
## 5195	99.96542	0.030566040	0.19630824	0.17840067	0.22356454
## 5196	98.69834	0.215551138	0.72848117	0.72826487	0.62253421
## 5197	99.85013	0.000138890	0.27808929	0.25970882	0.40117377
## 5198	99.55636	0.008035235	0.56371754	0.61566502	0.66010213
## 5199	99.74521	0.802504838	0.28445578	0.29337525	0.38896155
## 5200	99.93807	0.071171246	0.40675569	0.45439655	0.50180841
## 5201	99.97618	0.467707634	0.69362158	0.70928258	0.81085277
## 5202	99.92912	0.145356342	0.44410416	0.48305169	0.44731393
## 5203	99.35986	0.069946401	0.46118620	0.44607955	0.56150395
## 5204	99.94870	0.076763526	0.66273969	0.70312727	0.79249740
## 5205	99.99426	0.159346730	0.62597400	0.57078755	0.67439371
## 5206	99.29255	0.097849995	0.60896027	0.69803476	0.70306647
## 5207	99.11145	0.938261211	0.60855627	0.66659534	0.71299326
## 5208	99.87329	0.537343681	0.66570103	0.77992654	0.83137429
## 5209	99.97954	0.040118590	0.36078304	0.39464980	0.66238689
## 5210	99.26690	0.398444444	0.48314196	0.58977050	0.52174509
## 5211	99.96846	0.364360213	0.84867412	0.83429110	0.82677609
## 5212	99.95287	0.513040245	0.63640827	0.74012154	0.63148653
## 5213	99.18341	0.121852055	0.29155794	0.26024544	0.51815575
## 5214	99.93028	0.133933142	0.52457786	0.54749256	0.70661122
## 5215	99.62921	0.000058800	0.34914285	0.28811115	0.48304295

## 5216	99.81054	0.701338351	0.66428244	0.74811929	0.50581360
## 5217	99.92292	0.098495267	0.45855933	0.48686668	0.42604387
## 5218	99.15719	0.313195914	0.56315535	0.67196244	0.72754753
## 5219	99.85055	0.370124102	0.41516218	0.41632277	0.61120868
## 5220	99.96830	0.454329014	0.65073109	0.69283110	0.82068306
## 5221	99.33743	0.597249031	0.63635099	0.71237612	0.72997010
## 5222	98.80199	0.038248714	0.53296894	0.54310209	0.71016204
## 5223	99.69279	0.013817031	0.64432764	0.72465384	0.79271656
## 5224	99.97151	0.013051849	0.57086700	0.60389870	0.69855166
## 5225	99.91886	0.013277486	0.52248484	0.50839806	0.67153072
## 5226	99.51441	0.104442000	0.45013890	0.42750537	0.42791367
## 5227	98.86042	0.047767062	0.42858422	0.52516574	0.61646342
## 5228	99.97209	0.084410392	0.52600968	0.44403696	0.58959514
## 5229	99.78354	0.497181654	0.72360998	0.74827987	0.85827434
## 5230	99.84622	0.065334149	0.73753709	0.81029016	0.89859492
## 5231	99.91659	0.157651931	0.48630580	0.47673038	0.67124486
## 5232	97.92649	0.923285306	0.56846267	0.55451423	0.62400383
## 5233	98.35392	0.656497538	0.50002468	0.60283321	0.65783602
## 5234	98.94185	0.410819411	0.64729023	0.65234899	0.77579123
## 5235	99.86462	0.001744103	0.56134003	0.63192660	0.77316958
## 5236	99.79490	0.174376577	0.48773685	0.53749204	0.52396035
## 5237	99.96323	0.005764830	0.33675069	0.28095311	0.55803084
## 5238	99.77345	0.013756608	0.41986263	0.41604301	0.66900843
## 5239	99.96572	0.198838070	0.65416330	0.73698085	0.86453795
## 5240	99.85646	0.786624312	0.15308388	0.11342765	0.08917978
## 5241	99.87514	0.334165365	0.48580790	0.51968694	0.49102619
## 5242	99.94565	0.002036724	0.41625714	0.37537879	0.49923265
## 5243	99.98973	0.120932750	0.55698568	0.57040685	0.69733554
## 5244	99.98297	0.241531119	0.77811402	0.73670310	0.74748600
## 5245	99.01635	0.000547880	0.27756974	0.24633165	0.51826143
## 5246	99.84572	0.458675236	0.53683090	0.52945799	0.41630715
## 5247	99.98640	0.345117509	0.49047762	0.52604306	0.49013865
## 5248	99.85770	0.253367305	0.70373952	0.79001480	0.84623396
## 5249	99.94770	0.436567307	0.29822061	0.32513013	0.41494912
## 5250	95.81985	0.029397069	0.55736840	0.63543266	0.60289687
## 5251	99.87511	0.307698548	0.39105600	0.38763940	0.53332287
## 5252	99.73641	0.020902330	0.59240699	0.68984366	0.67322630
## 5253	99.98370	0.000874334	0.37636614	0.37635189	0.62437916
## 5254	99.83156	0.058520947	0.47115880	0.46874407	0.66868246
## 5255	99.98614	0.649356544	0.62838584	0.63406628	0.80129671
## 5256	99.98173	0.049391128	0.61851472	0.53785187	0.65254986
## 5257	98.84206	0.119637564	0.54129970	0.55056775	0.72233182
## 5258	99.96972	0.146137401	0.26555550	0.24159536	0.43207493
## 5259	98.29356	0.821227849	0.50865370	0.53712845	0.48034403
## 5260	99.99709	0.000171068	0.41839430	0.38320616	0.64112896
## 5261	99.93549	0.666940808	0.26217812	0.22628388	0.31059790
## 5262	98.19096	0.027480250	0.41041526	0.37908077	0.61052787
## 5263	99.86164	0.025904069	0.52555358	0.59032845	0.70651144
## 5264	99.68505	0.005035600	0.61444914	0.65116751	0.78567278
## 5265	99.15239	0.000296404	0.60944152	0.66144288	0.78364998
## 5266	99.52879	0.735047936	0.19219863	0.13885391	0.21113361
## 5267	99.98910	0.181174070	0.41277596	0.49139762	0.45864484
## 5268	99.85321	0.167171031	0.58840275	0.65385974	0.57561797
## 5269	99.99248	0.025539221	0.40846813	0.40107983	0.55254912

## 5270	99.99000	0.091773845	0.39970833	0.44439319	0.49515641
## 5271	96.97165	0.557850003	0.83384234	0.83514065	0.83516937
## 5272	99.90507	0.573550165	0.70157498	0.77435225	0.87198585
## 5273	99.98661	0.048392761	0.50896585	0.49261239	0.64906210
## 5274	99.83798	0.054254919	0.48689443	0.44013610	0.63426274
## 5275	99.75206	0.125396743	0.74288839	0.79528010	0.83707225
## 5276	99.76387	0.381257474	0.60960716	0.67319942	0.78066128
## 5277	99.74125	0.292911857	0.76883727	0.81758076	0.91321808
## 5278	99.89773	0.238971174	0.75950384	0.74855465	0.78207582
## 5279	99.98157	0.150018588	0.46435130	0.53853589	0.52952445
## 5280	99.98348	0.084990792	0.47625765	0.56745833	0.70861036
## 5281	99.96906	0.064133309	0.60452902	0.67430448	0.75314397
## 5282	99.69273	0.057818759	0.57211894	0.63327670	0.72041392
## 5283	99.94083	0.122462310	0.71802288	0.78309774	0.85036391
## 5284	99.85985	0.031656265	0.46471325	0.47439453	0.60906035
## 5285	90.14384	0.866659880	0.51432258	0.65187299	0.58532804
## 5286	97.23335	0.107807115	0.47119325	0.59145570	0.56523275
## 5287	99.82488	0.133039221	0.30873650	0.25033295	0.50908172
## 5288	99.96339	0.395422369	0.47879815	0.44394374	0.58818597
## 5289	99.98223	0.017752193	0.39592406	0.37083256	0.60372764
## 5290	97.93572	0.004097338	0.80146176	0.77992105	0.75689846
## 5291	99.93047	0.217827708	0.55348504	0.61377907	0.76603216
## 5292	99.98989	0.176444590	0.77502537	0.77109683	0.78434295
## 5293	99.35695	0.081664160	0.60609806	0.65403944	0.77562368
## 5294	97.53690	0.150559276	0.62187415	0.64966285	0.71844870
## 5295	99.65989	0.016651481	0.40193027	0.37228254	0.60917264
## 5296	99.35915	0.481729805	0.47188103	0.55162823	0.62792426
## 5297	99.97637	0.671384752	0.50182807	0.56549877	0.68723267
## 5298	98.17614	0.006730985	0.56768072	0.60113341	0.73924512
## 5299	99.85466	0.533604622	0.65807307	0.65843910	0.74800074
## 5300	98.95594	0.000976541	0.24768214	0.31113803	0.40323204
## 5301	99.41314	0.011541935	0.48948485	0.53703874	0.72135568
## 5302	99.88492	0.008284822	0.50676572	0.55212724	0.74332708
## 5303	99.72961	0.378654927	0.32725325	0.36885268	0.57951343
## 5304	99.77787	0.003730662	0.18893927	0.18051185	0.32087603
## 5305	99.25643	0.032031320	0.71438730	0.68875414	0.72151905
## 5306	99.98085	0.036643479	0.54509681	0.62547773	0.72559172
## 5307	99.81125	0.858667493	0.56650001	0.63668048	0.71206707
## 5308	99.99386	0.144136831	0.47469389	0.50034964	0.63236362
## 5309	99.93576	0.110544510	0.75218028	0.79939008	0.89370745
## 5310	99.40986	0.726366699	0.28013110	0.23728453	0.42803222
## 5311	98.87273	0.005060796	0.40921384	0.37496766	0.53631628
## 5312	99.99296	0.648467243	0.50774312	0.55185157	0.68908209
## 5313	99.87926	0.691710651	0.59538478	0.67472738	0.61021072
## 5314	99.92788	0.922153831	0.37840909	0.41251633	0.44536388
## 5315	99.89224	0.144908756	0.45253265	0.43140387	0.66363001
## 5316	99.75432	0.136120722	0.60920542	0.62892520	0.70267201
## 5317	99.88247	0.000008940	0.24821646	0.23670973	0.46661803
## 5318	99.99122	0.071614139	0.53878927	0.63813782	0.71014118
## 5319	99.88317	0.822774529	0.33120236	0.35706276	0.40889168
## 5320	99.59974	0.444888711	0.54504055	0.52932507	0.62244439
## 5321	99.72356	0.002153582	0.32721329	0.27148026	0.45289451
## 5322	99.91294	0.486204416	0.50209212	0.49970058	0.70972776
## 5323	99.37288	0.938741267	0.33713144	0.30440646	0.42514092

## 5324	99.95024	0.045667980	0.63691491	0.63634783	0.76494306
## 5325	99.96990	0.087241605	0.74462295	0.83839345	0.94893408
## 5326	99.84404	0.400656104	0.55676228	0.56381893	0.73121911
## 5327	99.84594	0.413262039	0.37515059	0.44982037	0.59363395
## 5328	99.97970	0.206636697	0.74263305	0.80028194	0.85063195
## 5329	99.32548	0.026502974	0.48748255	0.53891206	0.69213170
## 5330	99.22848	0.026672898	0.36408117	0.34254742	0.59471726
## 5331	99.37215	0.008833293	0.43196198	0.44556895	0.66257739
## 5332	99.84673	0.490734011	0.54313678	0.57381529	0.71274024
## 5333	99.96538	0.010786894	0.80361873	0.86545748	0.94167685
## 5334	99.99958	0.061310135	0.66600525	0.68178433	0.72881305
## 5335	99.50429	0.936423659	0.64606172	0.59280324	0.65371674
## 5336	99.46079	0.004653184	0.77304155	0.78816772	0.72657859
## 5337	99.43651	0.896266937	0.33611682	0.30675346	0.56661671
## 5338	99.99096	0.001618099	0.68624431	0.68116403	0.81793815
## 5339	99.98102	0.303642899	0.57370478	0.62678444	0.74120259
## 5340	96.79980	0.675013602	0.44884467	0.56089258	0.46619433
## 5341	99.93286	0.292681128	0.40131518	0.34603182	0.39433014
## 5342	99.99515	0.889193535	0.42801932	0.54733992	0.45450544
## 5343	99.89992	0.450051546	0.66051316	0.70218456	0.69051808
## 5344	99.98707	0.012525002	0.34804258	0.33873770	0.35907066
## 5345	99.84307	0.158398911	0.48089856	0.52006757	0.58693254
## 5346	99.98623	0.471945107	0.44476330	0.46472183	0.60752451
## 5347	92.45556	0.005694200	0.42554006	0.42995983	0.66701645
## 5348	99.95351	0.003670231	0.47199625	0.48071662	0.60684901
## 5349	99.98445	0.075672790	0.42625901	0.53906012	0.63504422
## 5350	99.37172	0.842102408	0.36976028	0.30698609	0.37758246
## 5351	98.46040	0.061990816	0.69588417	0.74789923	0.79570234
## 5352	99.97011	0.019523589	0.41591796	0.36959308	0.48561159
## 5353	99.63766	0.358101308	0.47045159	0.51821744	0.68020594
## 5354	92.09726	0.162066087	0.62476170	0.62880278	0.77129441
## 5355	99.74336	0.323543221	0.52392393	0.62256831	0.74001974
## 5356	99.90583	0.000957739	0.46213135	0.47611383	0.63220042
## 5357	97.11695	0.004199935	0.34715062	0.33638719	0.58900279
## 5358	99.78958	0.309869945	0.69592053	0.68990099	0.74632215
## 5359	99.98531	0.521934867	0.55047554	0.68015367	0.62840903
## 5360	99.18936	0.991747200	0.16345651	0.25401524	0.34943542
## 5361	99.87194	0.018624324	0.74278033	0.74006969	0.77021688
## 5362	99.94705	0.056874763	0.35855207	0.33788502	0.44668958
## 5363	99.93087	0.934341609	0.40749121	0.42885214	0.51956469
## 5364	99.96757	0.066604204	0.65822685	0.68204814	0.72515035
## 5365	99.97889	0.458645821	0.74707860	0.80676514	0.91965491
## 5366	99.95591	0.093699992	0.35432401	0.32881442	0.57142103
## 5367	99.93064	0.026008669	0.28668475	0.25796258	0.53986645
## 5368	99.74067	0.089651138	0.66015488	0.78686482	0.70949423
## 5369	99.07240	0.002488664	0.32532775	0.31312746	0.36625478
## 5370	99.87565	0.016243983	0.69007242	0.76272285	0.76165324
## 5371	98.98543	0.009532410	0.28855088	0.23819946	0.45888233
## 5372	99.85318	0.051336370	0.48166412	0.58600962	0.67130578
## 5373	99.67821	0.600585461	0.55341905	0.63001627	0.74771386
## 5374	99.76034	0.461302698	0.51685578	0.52744788	0.68392396
## 5375	99.34358	0.017795971	0.28441468	0.24543716	0.42585132
## 5376	97.93668	0.081620276	0.57130158	0.62684101	0.69764572
## 5377	99.98903	0.909322143	0.49729907	0.50305885	0.53160763

## 5378	98.43639	0.837335825	0.67840958	0.79567963	0.90491766
## 5379	99.95567	0.709157348	0.37141120	0.41905198	0.38547406
## 5380	99.99792	0.126097783	0.56706899	0.63937831	0.57978761
## 5381	99.52967	0.555523098	0.61646110	0.62464398	0.67119885
## 5382	99.94847	0.107840486	0.73014814	0.78692520	0.83545566
## 5383	99.94477	0.192739442	0.75575501	0.82666635	0.92560464
## 5384	99.87183	0.794631302	0.56279468	0.60570562	0.70303643
## 5385	99.77045	0.108923294	0.42245355	0.47460151	0.57110810
## 5386	99.88733	0.153651670	0.41363525	0.36866975	0.53673536
## 5387	99.94648	0.029109647	0.72016162	0.77281123	0.85768938
## 5388	99.92551	0.773303092	0.52708596	0.62905824	0.57950461
## 5389	99.86216	0.816235483	0.61460632	0.58820230	0.67818123
## 5390	99.82656	0.029231591	0.51953149	0.61140937	0.66289830
## 5391	99.76659	0.234803542	0.44218236	0.46367794	0.68092090
## 5392	99.99934	0.339147836	0.62450188	0.59576279	0.58525616
## 5393	97.56286	0.000143959	0.18695472	0.15215866	0.40149581
## 5394	99.88726	0.705075681	0.64443648	0.66649270	0.71923286
## 5395	99.89825	0.083912157	0.18640085	0.14341094	0.29477021
## 5396	99.90118	0.002960789	0.20672369	0.19279836	0.46601832
## 5397	99.98406	0.103574142	0.61220259	0.71696341	0.75789231
## 5398	99.93279	0.163986966	0.70054638	0.77800393	0.90193039
## 5399	99.89686	0.184502617	0.63789076	0.67246115	0.78402478
## 5400	99.95796	0.885240853	0.77410793	0.81325972	0.72799426
## 5401	99.30494	0.262596339	0.57781827	0.63651156	0.79123229
## 5402	99.92087	0.000959452	0.24448413	0.23408334	0.44777232
## 5403	99.89170	0.049669184	0.58281297	0.67552328	0.71373385
## 5404	99.85987	0.453991055	0.30932489	0.28450480	0.29527628
## 5405	99.79222	0.668336809	0.56560487	0.74521393	0.62151086
## 5406	99.95264	0.677494466	0.40001977	0.41828677	0.45491731
## 5407	99.99975	0.584391117	0.34731171	0.33926407	0.50643390
## 5408	99.90349	0.285495371	0.63997799	0.63961089	0.74794561
## 5409	99.99690	0.421708822	0.41724387	0.53476846	0.49967706
## 5410	99.65198	0.902039528	0.38357300	0.47334802	0.44167671
## 5411	99.75722	0.028280888	0.36297184	0.43492013	0.38590136
## 5412	99.94218	0.625758588	0.47531551	0.51287508	0.64886475
## 5413	99.79861	0.670624614	0.62080353	0.66471112	0.58719146
## 5414	98.78962	0.187429667	0.33455020	0.33215484	0.30534166
## 5415	93.75355	0.454432428	0.33577040	0.34481570	0.31798133
## 5416	98.27186	0.076080121	0.52651614	0.60877210	0.70335120
## 5417	99.51294	0.419507146	0.16635962	0.15209281	0.36061052
## 5418	99.80677	0.201457277	0.40153745	0.47431275	0.57479227
## 5419	99.79754	0.008819248	0.28693473	0.27626798	0.49346444
## 5420	99.83152	0.904612422	0.34459978	0.43526107	0.54157460
## 5421	99.96291	0.001550720	0.38844508	0.38341829	0.55523115
## 5422	99.77735	0.689043522	0.48799619	0.49943981	0.69992131
## 5423	99.68988	0.745518863	0.42932540	0.36476859	0.41923860
## 5424	98.93557	0.524028122	0.52148116	0.52907121	0.71578634
## 5425	99.91778	0.087602489	0.64555067	0.73357624	0.84000588
## 5426	99.97462	0.278561562	0.45120412	0.46274737	0.62734675
## 5427	99.88852	0.431656092	0.61420351	0.70600408	0.77414841
## 5428	99.81206	0.665039539	0.60404837	0.66537023	0.73607326
## 5429	97.37049	0.261779666	0.52928019	0.57993949	0.67211241
## 5430	99.83308	0.079817660	0.51047725	0.47034431	0.63648844
## 5431	99.99906	0.054287855	0.63670117	0.69524074	0.77673274

## 5432	99.31268	0.055078216	0.54587060	0.53037876	0.69833511
## 5433	99.99966	0.038102459	0.64472431	0.64471442	0.74189836
## 5434	97.71594	0.064595141	0.43848622	0.49920410	0.67634141
## 5435	97.69454	0.190903261	0.65043378	0.73034668	0.83504021
## 5436	99.98233	0.985407650	0.33273023	0.51118475	0.48550984
## 5437	99.94576	0.994021595	0.43492925	0.41455928	0.58349007
## 5438	99.97029	0.784699380	0.38086688	0.44511157	0.47855565
## 5439	99.96954	0.641422093	0.39689469	0.47058555	0.57277554
## 5440	99.19214	0.382159531	0.58438104	0.59442472	0.74970102
## 5441	99.53713	0.045289919	0.14632507	0.11264382	0.11450829
## 5442	99.99591	0.010825021	0.70813292	0.78329426	0.87727541
## 5443	98.24110	0.000037200	0.23060337	0.20477545	0.28139526
## 5444	98.54049	0.015713828	0.52747285	0.62838316	0.58655208
## 5445	99.88136	0.174866810	0.49244648	0.57512301	0.74899083
## 5446	99.99470	0.256300867	0.71237171	0.78475761	0.66006643
## 5447	92.84766	0.005365476	0.45532206	0.41659149	0.60372126
## 5448	99.96238	0.035676166	0.59401470	0.54371524	0.67524588
## 5449	99.33020	0.295912504	0.40086126	0.46636671	0.55442601
## 5450	99.93163	0.001405056	0.21827477	0.20034820	0.31970117
## 5451	99.85817	0.417124987	0.36354944	0.34473717	0.58913291
## 5452	99.89056	0.035839163	0.34576395	0.31960839	0.47042924
## 5453	99.90999	0.060878120	0.47711927	0.44274223	0.64793026
## 5454	99.81025	0.212611035	0.58784175	0.66960102	0.77743405
## 5455	98.85100	0.381140232	0.47821763	0.56132549	0.50513554
## 5456	99.88340	0.282144219	0.41556930	0.54225677	0.48094022
## 5457	98.96391	0.434952348	0.57569951	0.69112223	0.60222805
## 5458	99.70120	0.141116545	0.51496464	0.53534830	0.60405958
## 5459	94.87279	0.088079065	0.42418012	0.54637062	0.50084305
## 5460	99.11643	0.136035994	0.41052571	0.49365482	0.54557556
## 5461	99.99184	0.017378192	0.47930273	0.41889596	0.55181092
## 5462	99.99033	0.010645006	0.55303198	0.61716539	0.73582918
## 5463	99.93237	0.002374784	0.76214874	0.77474731	0.83475816
## 5464	96.63536	0.483139724	0.60765481	0.61211735	0.74409568
## 5465	99.97953	0.339331657	0.49552143	0.51920092	0.58850247
## 5466	96.24521	0.000225663	0.29976964	0.27359501	0.42370477
## 5467	99.92301	0.311934948	0.64243531	0.70576173	0.77721453
## 5468	97.56674	0.157751977	0.52274889	0.61974001	0.71318006
## 5469	99.99866	0.194471538	0.54768771	0.53191334	0.65344572
## 5470	98.45729	0.005543374	0.57193893	0.64714491	0.73116481
## 5471	99.29903	0.255007684	0.55727565	0.60514909	0.76243985
## 5472	99.97861	0.005134270	0.37818468	0.34405610	0.50228667
## 5473	99.89483	0.311265290	0.29324141	0.30111086	0.54310525
## 5474	99.52122	0.209820375	0.51371014	0.61883801	0.56282842
## 5475	98.66961	0.648652315	0.45164001	0.57579559	0.50472742
## 5476	99.68289	0.810563087	0.61699998	0.70633876	0.58800709
## 5477	99.98011	0.001717342	0.36621869	0.34236798	0.53273112
## 5478	99.89621	0.263204008	0.48254582	0.49007270	0.70213729
## 5479	99.85524	0.200390190	0.70150626	0.78347754	0.82003963
## 5480	99.90188	0.723865986	0.33566666	0.44459435	0.47404718
## 5481	99.99872	0.132772312	0.69953013	0.73707199	0.80659628
## 5482	99.80548	0.033549961	0.24978185	0.27741966	0.43053994
## 5483	99.95653	0.037954636	0.37507752	0.38836741	0.36388859
## 5484	98.98386	0.000036300	0.28869334	0.27865887	0.34749246
## 5485	99.74068	0.064410195	0.61591589	0.70640165	0.73250127

## 5486	99.90353	0.000037000	0.25771466	0.24659891	0.45573366
## 5487	99.91428	0.169233412	0.80225927	0.86859584	0.93248361
## 5488	99.94613	0.159769326	0.65284193	0.64732528	0.74567097
## 5489	98.49476	0.001310357	0.32133496	0.28371960	0.50569951
## 5490	99.98660	0.034965143	0.85862136	0.89702058	0.90009272
## 5491	99.95135	0.116431341	0.31705713	0.29884249	0.26398209
## 5492	99.65791	0.788010776	0.37773809	0.53414613	0.43224600
## 5493	99.94514	0.805594623	0.49143332	0.64028370	0.55433685
## 5494	99.73298	0.195499092	0.43783128	0.40289620	0.58076572
## 5495	99.98649	0.426177680	0.63762862	0.66001481	0.78369564
## 5496	98.54956	0.007892721	0.41864937	0.42911255	0.65935916
## 5497	99.97519	0.939779699	0.45964259	0.50171572	0.43750581
## 5498	99.95285	0.018108536	0.72981471	0.75809848	0.88479823
## 5499	99.67692	0.158184454	0.55152482	0.66083980	0.81214839
## 5500	99.97537	0.129453063	0.40162468	0.44905129	0.62244421
## 5501	99.82499	0.462380797	0.41509092	0.49326852	0.56193817
## 5502	99.86945	0.454056233	0.49530917	0.55472612	0.43818834
## 5503	99.98984	0.048692770	0.74806327	0.82148665	0.87408441
## 5504	99.33130	0.000373570	0.38300484	0.32556772	0.52537703
## 5505	99.98682	0.172223374	0.50093067	0.46809399	0.56408948
## 5506	99.97737	0.231618404	0.53457308	0.64672947	0.69599140
## 5507	99.48001	0.314427108	0.62635374	0.66703999	0.79994965
## 5508	99.90635	0.401465952	0.68572003	0.74312824	0.85800511
## 5509	99.97581	0.085013501	0.79333556	0.83336997	0.92494470
## 5510	99.01787	0.337063730	0.44939983	0.56341374	0.65446627
## 5511	99.56982	0.709087849	0.55761731	0.58568382	0.69075745
## 5512	99.59895	0.054489929	0.50985342	0.48491707	0.65301013
## 5513	99.91781	0.006681834	0.31582010	0.28101870	0.54967701
## 5514	99.90395	0.813632786	0.18360800	0.16115460	0.24316789
## 5515	99.97613	0.162512019	0.54551011	0.57401377	0.63677823
## 5516	99.96974	0.122435033	0.51605380	0.50045240	0.62940961
## 5517	99.91704	0.791504622	0.72283131	0.78106976	0.75223333
## 5518	99.55222	0.310028285	0.44894332	0.55306739	0.46568268
## 5519	96.00463	0.616506279	0.39374402	0.47207889	0.43893948
## 5520	99.55434	0.974336505	0.24318411	0.26359171	0.38435614
## 5521	99.97056	0.885042608	0.55708456	0.70457685	0.79740220
## 5522	99.16098	0.909890354	0.37180918	0.39754462	0.47251916
## 5523	99.99010	0.803429842	0.53255731	0.60378355	0.72648907
## 5524	99.98428	0.627938926	0.42880526	0.36475238	0.55380732
## 5525	99.91648	0.474867105	0.41973871	0.40283480	0.58071196
## 5526	99.92436	0.713632584	0.48064071	0.54479629	0.49664828
## 5527	99.97698	0.206785560	0.35468471	0.28505108	0.41636440
## 5528	99.95049	0.217082873	0.51795906	0.47783485	0.48984569
## 5529	99.97885	0.640245259	0.67096138	0.72649080	0.76667106
## 5530	99.69900	0.644481063	0.41630524	0.40863776	0.53273022
## 5531	99.95264	0.029085517	0.57180309	0.53970891	0.59200352
## 5532	99.91125	0.310922474	0.46582171	0.44290167	0.54408306
## 5533	99.86835	0.592700064	0.51094139	0.48855793	0.58592093
## 5534	99.98202	0.068629131	0.43539640	0.39870802	0.54782224
## 5535	99.97110	0.007716928	0.65478945	0.61224407	0.66654706
## 5536	99.74518	0.816919923	0.51465118	0.55650985	0.49867654
## 5537	99.97336	0.783089817	0.51549000	0.49500433	0.48336786
## 5538	99.99666	0.565993190	0.50871611	0.51242894	0.67441356
## 5539	99.97743	0.530772626	0.49850729	0.47785425	0.60413563

## 5540	99.95637	0.647314966	0.45477971	0.46928871	0.52946168
## 5541	99.95637	0.709891796	0.37051687	0.32564795	0.48513544
## 5542	99.99663	0.447319716	0.54124510	0.49251172	0.63380283
## 5543	99.94667	0.162495673	0.45684809	0.40780690	0.51170903
## 5544	99.67939	0.564742327	0.29345238	0.33235937	0.40926725
## 5545	99.68513	0.534248233	0.60560161	0.54839289	0.62683040
## 5546	97.99773	0.004303780	0.27066666	0.27212521	0.36620212
## 5547	99.77631	0.054852910	0.54514480	0.55806351	0.52981585
## 5548	99.90789	0.524005234	0.36062560	0.38418564	0.42573535
## 5549	99.72285	0.878036022	0.65976685	0.69948971	0.58063185
## 5550	99.28061	0.660030425	0.43631107	0.40070435	0.51361585
## 5551	99.97807	0.075110547	0.47386527	0.43132809	0.50678861
## 5552	99.97699	0.624927402	0.53513795	0.65423137	0.70402545
## 5553	99.94527	0.017969044	0.25663042	0.30715644	0.35426021
## 5554	99.95415	0.298813075	0.66275275	0.69036335	0.78429925
## 5555	99.98100	0.306567222	0.31565467	0.28435242	0.43262079
## 5556	96.53040	0.655559301	0.62230688	0.67372799	0.62755525
## 5557	99.97199	0.154516131	0.58478856	0.55583298	0.62633634
## 5558	99.91544	0.512490869	0.14888947	0.13331625	0.18684344
## 5559	99.99715	0.079428948	0.42131191	0.34220841	0.53778124
## 5560	99.88200	0.296168625	0.40538651	0.36716872	0.54415166
## 5561	99.93004	0.538047969	0.77860141	0.72331154	0.68447334
## 5562	99.06646	0.199631840	0.46844608	0.40978751	0.53003478
## 5563	99.70904	0.624347687	0.49755138	0.52696204	0.50878024
## 5564	99.84867	0.764724672	0.25428122	0.22697946	0.38762766
## 5565	99.93266	0.477913558	0.40414113	0.34734324	0.44537389
## 5566	99.99441	0.583616197	0.28888807	0.24132797	0.39385796
## 5567	99.97256	0.058999050	0.45011875	0.45608506	0.46260852
## 5568	99.98307	0.360848367	0.26372096	0.24327703	0.25689006
## 5569	99.89117	0.173997194	0.50072944	0.52037460	0.59845191
## 5570	99.72228	0.546272814	0.64519328	0.61596399	0.66784805
## 5571	99.81095	0.000416034	0.20774829	0.18202914	0.31031638
## 5572	99.70626	0.264349043	0.58309007	0.54170722	0.50933570
## 5573	97.89350	0.817430615	0.45442104	0.49845597	0.53918672
## 5574	99.90959	0.557117045	0.53727078	0.50785750	0.51235950
## 5575	99.95680	0.830225527	0.33478546	0.33577818	0.38691452
## 5576	99.79975	0.208620250	0.55007529	0.52569789	0.50010657
## 5577	99.99688	0.221092850	0.55363661	0.50652027	0.64496601
## 5578	99.93713	0.059794392	0.67027169	0.65347570	0.61055291
## 5579	99.78696	0.490092337	0.54949433	0.55338270	0.65195173
## 5580	99.99760	0.540334284	0.57342410	0.57661581	0.71931791
## 5581	99.86972	0.188798919	0.34537673	0.29279700	0.46864268
## 5582	99.68308	0.001730098	0.40895224	0.39601672	0.52564871
## 5583	99.99439	0.011499585	0.41278648	0.36635596	0.52739286
## 5584	99.99781	0.387676984	0.31035230	0.31854945	0.30698219
## 5585	99.99556	0.488197237	0.39069289	0.36702073	0.30919260
## 5586	99.42744	0.887137949	0.45364285	0.39923862	0.47560617
## 5587	99.65272	0.549787223	0.35201311	0.35538614	0.50990653
## 5588	99.91308	0.029151974	0.51291496	0.53518629	0.51761568
## 5589	99.86859	0.197828546	0.26449391	0.23087066	0.29452479
## 5590	99.99118	0.589108825	0.74589998	0.66879088	0.62001461
## 5591	99.97830	0.362472534	0.37052894	0.35343754	0.59201574
## 5592	99.92229	0.615709543	0.76577914	0.74800330	0.65686083
## 5593	99.87562	0.130370721	0.44579616	0.38293788	0.53994411

## 5594	99.94890	0.027042242	0.37478048	0.33963862	0.52105075
## 5595	99.89897	0.464691550	0.68700951	0.72233647	0.76448047
## 5596	95.97143	0.774242401	0.51172852	0.53129321	0.62473321
## 5597	99.94024	0.354018748	0.63040674	0.58737093	0.56964242
## 5598	99.70113	0.922957003	0.39404023	0.41280338	0.55368805
## 5599	99.98241	0.261266112	0.65483844	0.62796032	0.65481597
## 5600	99.93854	0.689196706	0.43789238	0.48079476	0.57197321
## 5601	99.93144	0.428691059	0.51080388	0.51349902	0.55860674
## 5602	99.99447	0.055148084	0.54961127	0.58216560	0.65715635
## 5603	99.80099	0.703375041	0.68341613	0.67351973	0.73388332
## 5604	99.93610	0.306392401	0.41369653	0.42705146	0.43038061
## 5605	99.99554	0.432231992	0.57678056	0.59202409	0.70511323
## 5606	99.86167	0.709133863	0.53881371	0.54835921	0.69032735
## 5607	99.99028	0.353173405	0.48826885	0.46352920	0.64962482
## 5608	99.94013	0.862810254	0.42090401	0.37999174	0.52322793
## 5609	99.90451	0.603699327	0.49435535	0.48425806	0.60714400
## 5610	99.98183	0.076537922	0.60768539	0.66723078	0.77351236
## 5611	99.65267	0.192060992	0.71531856	0.77578545	0.86038119
## 5612	99.60433	0.848410547	0.48251894	0.58537138	0.63444167
## 5613	99.94706	0.099267907	0.70823890	0.75835961	0.82900482
## 5614	99.86080	0.031409409	0.71340424	0.78028423	0.79807997
## 5615	99.87548	0.390386939	0.55708575	0.56217253	0.65831739
## 5616	99.97207	0.000194904	0.23515309	0.19267559	0.43479371
## 5617	99.99579	0.178512990	0.67432922	0.67180294	0.80767810
## 5618	99.98595	0.100883499	0.38412273	0.37074310	0.60806310
## 5619	98.58158	0.286527783	0.58048046	0.62358451	0.70964879
## 5620	99.99620	0.386925966	0.76421171	0.76443940	0.78675181
## 5621	99.37493	0.340423375	0.37511486	0.38713098	0.38916251
## 5622	99.68492	0.944524527	0.17128625	0.13890429	0.16069870
## 5623	98.73404	0.156576291	0.62467098	0.69570619	0.78730202
## 5624	99.74676	0.280579388	0.67155355	0.68226248	0.80584097
## 5625	99.74137	0.724741101	0.61979538	0.63802010	0.77545232
## 5626	99.98348	0.022288699	0.30887428	0.28505602	0.45387363
## 5627	99.90489	0.254554749	0.29146043	0.30732331	0.51285589
## 5628	99.58850	0.037528232	0.25342503	0.21437779	0.26197523
## 5629	99.81901	0.048844807	0.66099083	0.69827777	0.74931914
## 5630	99.84790	0.015396432	0.43899560	0.36826450	0.58214456
## 5631	99.94100	0.013532733	0.75360483	0.81233519	0.80667079
## 5632	99.93874	0.248259544	0.61353433	0.65674311	0.80219448
## 5633	99.99206	0.054447375	0.69514126	0.78165972	0.87675929
## 5634	99.98535	0.102365248	0.58622563	0.55376923	0.62268770
## 5635	99.76438	0.069671445	0.73189747	0.77884316	0.90600055
## 5636	95.07363	0.033842649	0.53997922	0.52583092	0.57694447
## 5637	96.07107	0.043327343	0.65452492	0.68969381	0.71074623
## 5638	99.65953	0.000023200	0.27633110	0.27938429	0.41160652
## 5639	96.45698	0.102970786	0.52677470	0.52401882	0.67965251
## 5640	99.76528	0.000656320	0.39776006	0.38463303	0.29919806
## 5641	99.93984	0.004987763	0.33642349	0.28240535	0.31510297
## 5642	99.99130	0.120600410	0.37967324	0.33908871	0.57902884
## 5643	99.98812	0.001965435	0.41042843	0.37369466	0.58065230
## 5644	99.99323	0.015730521	0.41182101	0.34896243	0.56615716
## 5645	99.99272	0.024110809	0.38778091	0.35894373	0.42655593
## 5646	99.40179	0.092605799	0.33679289	0.31969568	0.35674104
## 5647	99.99048	0.358146399	0.31829029	0.29150170	0.32449150

## 5648	99.44596	0.797908485	0.46612984	0.50962532	0.57950312
## 5649	99.76344	0.344306856	0.46890038	0.42256278	0.41445860
## 5650	99.86208	0.314616829	0.60787803	0.58281231	0.65082365
## 5651	98.89572	0.377387077	0.54757088	0.52661836	0.55172318
## 5652	96.52490	0.543409586	0.73282683	0.71684444	0.81995338
## 5653	99.00761	0.201618552	0.57025355	0.57178914	0.57679945
## 5654	99.97001	0.362384617	0.42348361	0.48274493	0.47526154
## 5655	94.12409	0.269636124	0.61812806	0.57316387	0.66626084
## 5656	99.86128	0.070854984	0.49119282	0.51423287	0.71538264
## 5657	99.71458	0.000655339	0.83498496	0.89970052	0.83317667
## 5658	99.79151	0.070047051	0.60509527	0.66366482	0.78594786
## 5659	99.96754	0.000825895	0.24103500	0.22191843	0.28477845
## 5660	99.98093	0.219445124	0.75795311	0.77212328	0.85074097
## 5661	99.98591	0.198128313	0.36943084	0.34247878	0.58015496
## 5662	96.78577	0.033526454	0.91017806	0.93747574	0.93747324
## 5663	99.78723	0.259075314	0.56120628	0.56008983	0.72593999
## 5664	99.62922	0.726506770	0.33298102	0.34426662	0.45367587
## 5665	97.81949	0.693432987	0.27329317	0.27590147	0.33132803
## 5666	98.92322	0.053555634	0.73618329	0.78990191	0.87788612
## 5667	99.87474	0.016661657	0.29024956	0.23591833	0.16463786
## 5668	98.84141	0.729605913	0.49495232	0.44805437	0.67186779
## 5669	99.86385	0.015921675	0.53924715	0.53730416	0.70591581
## 5670	96.57614	0.067427620	0.58958906	0.60904157	0.74917620
## 5671	99.66317	0.041240569	0.63793492	0.62278521	0.74457961
## 5672	99.94336	0.111827172	0.43922553	0.40059376	0.39908826
## 5673	96.04516	0.095660791	0.55084217	0.50361276	0.71211660
## 5674	99.96769	0.070390344	0.35885680	0.30860031	0.40103707
## 5675	97.80825	0.025291732	0.44197589	0.36193395	0.59064430
## 5676	99.80060	0.109777264	0.39406312	0.44290820	0.53147167
## 5677	99.86940	0.002501717	0.41525587	0.37364674	0.52534485
## 5678	99.99888	0.207403272	0.53450179	0.52120864	0.70938301
## 5679	99.96446	0.070922628	0.56698406	0.58014059	0.73966426
## 5680	99.99656	0.002106302	0.36984366	0.33000025	0.26709861
## 5681	98.58349	0.020805899	0.66369623	0.72567570	0.79070955
## 5682	99.78480	0.002153236	0.59408677	0.74421143	0.66913086
## 5683	99.98779	0.020203518	0.36527166	0.33553413	0.57615179
## 5684	99.02696	0.026719674	0.68021369	0.67805451	0.79549092
## 5685	99.98271	0.109999917	0.79561073	0.83505589	0.91657347
## 5686	96.46219	0.289411992	0.65726548	0.69470167	0.71070904
## 5687	99.77159	0.000250409	0.13600394	0.10679908	0.09888107
## 5688	99.97939	0.123659782	0.62126541	0.71890676	0.79437983
## 5689	99.98047	0.007205672	0.77034545	0.77881181	0.79731846
## 5690	99.91549	0.011595635	0.51799601	0.55277407	0.52701968
## 5691	99.77572	0.002672874	0.07054371	0.04991733	0.12511092
## 5692	98.90582	0.045305450	0.76880646	0.81997776	0.91273987
## 5693	99.98890	0.002302200	0.39005837	0.31163356	0.46576223
## 5694	99.90008	0.286439240	0.85182339	0.87557316	0.94947743
## 5695	99.91161	0.292590827	0.53245908	0.56074190	0.76143914
## 5696	99.97580	0.004011595	0.55452502	0.52969128	0.61609298
## 5697	99.94614	0.056597643	0.61118740	0.58502799	0.63677150
## 5698	99.51973	0.004381822	0.87423158	0.88906425	0.89664739
## 5699	97.93922	0.074505731	0.66093248	0.71710044	0.77995783
## 5700	98.02759	0.461034626	0.59175813	0.64884549	0.69272065
## 5701	99.62316	0.135478377	0.71433377	0.73909461	0.84073812

## 5702	99.52227	0.000013700	0.32800606	0.28769901	0.44775567
## 5703	99.85293	0.000328999	0.38312683	0.42059723	0.65640730
## 5704	99.99736	0.061008446	0.58787209	0.66490036	0.79547602
## 5705	97.59825	0.024458684	0.78728425	0.77618498	0.74393547
## 5706	99.98666	0.285493433	0.38487333	0.37394619	0.62100303
## 5707	99.97008	0.065707125	0.42550155	0.38505065	0.57435358
## 5708	98.44920	0.003110079	0.53164262	0.54264426	0.73242122
## 5709	99.72282	0.609110355	0.56200677	0.64004386	0.67265379
## 5710	99.83076	0.009129477	0.25067523	0.20436807	0.14964983
## 5711	99.66306	0.130299181	0.78779477	0.80593246	0.88964164
## 5712	99.96209	0.260153055	0.34870675	0.35714984	0.56148314
## 5713	99.47038	0.420727670	0.68690890	0.71167338	0.84856355
## 5714	99.69972	0.052827120	0.66441935	0.76060081	0.86899865
## 5715	99.13525	0.000002470	0.27446738	0.25660366	0.32643941
## 5716	96.41833	0.080700822	0.34537298	0.29767054	0.53047240
## 5717	99.88261	0.015172523	0.82650608	0.88613093	0.84743911
## 5718	99.96597	0.036456406	0.27857855	0.23473409	0.43457386
## 5719	99.89935	0.332501829	0.54138857	0.55526441	0.70005053
## 5720	99.92673	0.000085000	0.25319463	0.21663712	0.46750447
## 5721	99.87389	0.007427976	0.21371955	0.22022472	0.28725016
## 5722	99.98945	0.052751549	0.50733781	0.51513493	0.65108824
## 5723	99.73366	0.334066629	0.59753406	0.65548992	0.53629065
## 5724	96.62669	0.000692705	0.50154507	0.43359733	0.65968567
## 5725	99.48291	0.000154786	0.41622770	0.44735250	0.42463899
## 5726	99.76308	0.479647696	0.59233785	0.68891609	0.81447947
## 5727	98.79553	0.516256094	0.29265031	0.26280463	0.44088960
## 5728	99.73655	0.061905149	0.56880146	0.59838301	0.75411296
## 5729	98.76193	0.750061929	0.47943988	0.44087207	0.59532392
## 5730	97.91390	0.259043604	0.48285818	0.47511762	0.62944138
## 5731	99.98074	0.002341296	0.63826579	0.67511398	0.71398151
## 5732	99.98136	0.010296989	0.79442435	0.78924340	0.80113053
## 5733	99.69926	0.353464097	0.62635624	0.72261435	0.82182282
## 5734	96.37520	0.000025500	0.36729249	0.33514938	0.50223362
## 5735	99.98577	0.316744924	0.31187224	0.34338918	0.40204254
## 5736	99.90090	0.080646619	0.47810307	0.68903822	0.55264640
## 5737	99.95912	0.425635159	0.69544506	0.63436914	0.70210087
## 5738	99.91749	0.662910581	0.56489563	0.54466236	0.65954095
## 5739	99.97820	0.063094549	0.70749861	0.70606798	0.79494548
## 5740	99.94687	0.048418380	0.77528310	0.74783909	0.71056789
## 5741	99.98237	0.025314821	0.76923031	0.81224036	0.87732071
## 5742	99.99482	0.000154506	0.42694521	0.42964098	0.42964181
## 5743	99.87626	0.060122743	0.64673865	0.71878344	0.72652078
## 5744	99.75686	0.000073900	0.31272989	0.30146548	0.34719497
## 5745	99.30338	0.123466395	0.62503093	0.57134438	0.73457169
## 5746	99.35124	0.689875185	0.50840563	0.52399641	0.39594436
## 5747	99.97614	0.219932586	0.82462901	0.83459061	0.78521532
## 5748	99.99184	0.122033373	0.58104414	0.62783164	0.73929554
## 5749	99.88791	0.992677391	0.28548700	0.28053638	0.36601633
## 5750	99.97142	0.117765009	0.57262796	0.54304463	0.69373959
## 5751	99.92193	0.005565317	0.66242307	0.76428843	0.77438796
## 5752	99.96354	0.011600870	0.43315357	0.42893067	0.62072027
## 5753	99.90185	0.039868053	0.43074086	0.49325094	0.50760055
## 5754	99.78984	0.296360195	0.73773420	0.80593914	0.90369457
## 5755	99.80230	0.115871489	0.71404350	0.73104316	0.74975645

## 5756	99.77665	0.010146105	0.66280419	0.62134105	0.71879226
## 5757	98.76875	0.001447439	0.33476567	0.30871034	0.37541294
## 5758	99.94688	0.781148434	0.33297706	0.27886036	0.31367463
## 5759	99.92719	0.024143016	0.63229054	0.69638139	0.82165521
## 5760	99.58184	0.022832155	0.49654794	0.47603759	0.58652997
## 5761	99.91210	0.557155192	0.53677571	0.50283289	0.40549874
## 5762	99.98369	0.353165746	0.35247013	0.33002257	0.56927925
## 5763	99.98630	0.000013300	0.36226377	0.30402005	0.44274625
## 5764	97.97586	0.040305100	0.40602431	0.39039075	0.53347111
## 5765	99.97596	0.001556511	0.54393297	0.46815866	0.51146573
## 5766	99.73341	0.007685354	0.60438108	0.73889971	0.79713440
## 5767	99.95542	0.072757490	0.52031165	0.57617343	0.61978704
## 5768	99.91870	0.594659865	0.50773495	0.57593435	0.46681219
## 5769	99.78025	0.401669472	0.55554271	0.65458643	0.66624612
## 5770	99.94737	0.164030164	0.56186819	0.63763470	0.65224707
## 5771	99.98423	0.155054197	0.51164180	0.55992144	0.72605699
## 5772	99.97509	0.084649920	0.77750695	0.84114546	0.88890046
## 5773	99.97051	0.089341171	0.44395244	0.52789885	0.71865153
## 5774	99.98709	0.125075325	0.48020598	0.58461934	0.58995116
## 5775	99.98102	0.013090228	0.29765496	0.25209960	0.47218880
## 5776	99.97562	0.384081393	0.40018830	0.44332445	0.52431840
## 5777	99.86217	0.143139362	0.73664480	0.73193842	0.80522037
## 5778	99.97415	0.242500812	0.56277734	0.56055909	0.74784279
## 5779	99.96972	0.218957365	0.56220299	0.59325385	0.68328857
## 5780	99.94712	0.120368719	0.51956260	0.51346004	0.71417379
## 5781	99.96875	0.047605179	0.75994378	0.80617404	0.88401687
## 5782	99.97698	0.173673332	0.74647027	0.80170155	0.88986367
## 5783	99.11863	0.098202348	0.74884748	0.75682318	0.76997203
## 5784	99.98994	0.040936224	0.59231943	0.58938885	0.76650351
## 5785	98.53346	0.018754417	0.86679155	0.90776205	0.84971869
## 5786	99.98570	0.082357034	0.39874709	0.37331971	0.44733688
## 5787	99.90932	0.081178479	0.71987563	0.75307518	0.80393881
## 5788	99.63270	0.055644184	0.33986446	0.36956689	0.42038497
## 5789	99.94301	0.040214892	0.77533418	0.80782884	0.85737544
## 5790	99.61474	0.456990629	0.59555232	0.70591617	0.63086021
## 5791	99.90173	0.067527987	0.60537827	0.72366881	0.67762202
## 5792	99.67031	0.558939338	0.43226269	0.45574862	0.54522872
## 5793	99.88476	0.340494990	0.44883627	0.37676221	0.53638566
## 5794	99.97491	0.228064343	0.34023362	0.36614072	0.48088258
## 5795	99.92870	0.193201274	0.82146144	0.86778492	0.90139538
## 5796	99.90832	0.160573110	0.70365775	0.68532908	0.77049494
## 5797	99.89181	0.000057500	0.37167531	0.36323962	0.32330781
## 5798	99.72713	0.022936765	0.60316825	0.53923941	0.54648215
## 5799	99.99651	0.007053131	0.38749829	0.32046852	0.52899587
## 5800	99.97763	0.242025703	0.56314069	0.50810420	0.62820071
## 5801	99.92624	0.034117945	0.49497676	0.51128703	0.40394869
## 5802	99.78225	0.531298339	0.62305802	0.61303312	0.76611626
## 5803	99.97623	0.325498939	0.45809451	0.49583751	0.67036498
## 5804	99.85067	0.148407102	0.74394351	0.80338192	0.86082244
## 5805	99.99465	0.030991549	0.82489669	0.85702532	0.93378550
## 5806	98.77462	0.008153171	0.45759162	0.47609669	0.58178127
## 5807	99.95800	0.136813745	0.64265472	0.69054902	0.77414292
## 5808	99.99555	0.311197698	0.64004642	0.73762864	0.76997775
## 5809	99.90686	0.000079500	0.38187167	0.32749483	0.51230317

## 5810	98.98667	0.099807173	0.71178532	0.75011104	0.84490794
## 5811	98.83307	0.176511660	0.44568750	0.46863559	0.64048123
## 5812	99.79974	0.000082600	0.31787908	0.30789676	0.55607694
## 5813	99.95254	0.387787700	0.55332100	0.55346507	0.69188595
## 5814	99.95016	0.001921711	0.50098991	0.39946392	0.50948161
## 5815	94.65160	0.137458324	0.57795715	0.56738228	0.68173790
## 5816	99.94368	0.035258971	0.77180672	0.83759302	0.87963319
## 5817	99.96196	0.068917796	0.81453419	0.84694397	0.91153651
## 5818	99.99244	0.406385392	0.42498782	0.41413850	0.48520345
## 5819	99.64666	0.003340703	0.46414342	0.45520866	0.67332107
## 5820	98.04047	0.006831601	0.57947010	0.60619652	0.69814426
## 5821	96.51880	0.268361211	0.62368619	0.70596868	0.74408352
## 5822	95.00130	0.161452487	0.66596448	0.74068433	0.72166401
## 5823	98.00128	0.001451781	0.79780686	0.78482103	0.79652858
## 5824	99.92334	0.516467333	0.72019959	0.83751965	0.81256908
## 5825	99.96600	0.556935847	0.31843913	0.31310898	0.43649676
## 5826	99.83894	0.117427513	0.57972837	0.66710532	0.78579593
## 5827	99.98816	0.001326697	0.66190851	0.67346281	0.55859536
## 5828	99.88712	0.315793633	0.67211121	0.76448268	0.65161949
## 5829	99.98018	0.023345448	0.83048201	0.85008150	0.89373440
## 5830	99.97966	0.007095818	0.56071806	0.62825638	0.70325738
## 5831	99.91595	0.177226231	0.82104218	0.81457972	0.81795305
## 5832	99.79572	0.041123547	0.76992858	0.81750548	0.86238754
## 5833	99.77417	0.000033500	0.38860220	0.35164410	0.45087341
## 5834	99.82823	0.070878386	0.68742096	0.72478747	0.78279442
## 5835	99.62538	0.005664136	0.52754027	0.54854119	0.51237232
## 5836	99.95056	0.045747507	0.48995319	0.49806273	0.70250571
## 5837	98.62194	0.001149669	0.75631297	0.73867112	0.84012461
## 5838	99.11561	0.060706541	0.58798826	0.75790274	0.71388537
## 5839	99.37525	0.045959368	0.77225840	0.79590672	0.85764867
## 5840	98.14102	0.008634546	0.47454357	0.56040394	0.63112432
## 5841	99.95407	0.125103965	0.41505426	0.38653204	0.54498851
## 5842	99.97632	0.174617290	0.58498013	0.58617592	0.76106608
## 5843	98.54050	0.008526647	0.73457646	0.75222433	0.77948379
## 5844	99.56760	0.034905300	0.88275927	0.88907689	0.88502008
## 5845	94.74671	0.122334667	0.29753232	0.33177584	0.49728617
## 5846	97.59197	0.006465741	0.73476613	0.78437620	0.80260491
## 5847	99.49311	0.040941652	0.69896442	0.82268894	0.77501094
## 5848	97.87221	0.226818532	0.68110287	0.72349638	0.74293601
## 5849	99.80877	0.002971048	0.77888328	0.78763908	0.83868325
## 5850	99.67004	0.000361809	0.25459257	0.21071589	0.40148190
## 5851	99.98404	0.508266807	0.46272653	0.52553713	0.69140834
## 5852	99.68178	0.094628073	0.80627572	0.85565430	0.89214289
## 5853	94.49326	0.127306327	0.75914758	0.71562511	0.70497066
## 5854	95.33971	0.287263572	0.36046001	0.35237944	0.50159371
## 5855	96.29782	0.841083467	0.42372304	0.52165037	0.49470720
## 5856	99.24456	0.014431075	0.63436973	0.68500572	0.74472272
## 5857	99.91224	0.260172248	0.39940497	0.43082050	0.62188315
## 5858	99.99762	0.030008821	0.70464057	0.81423473	0.87297601
## 5859	98.67261	0.065559551	0.66474444	0.64891559	0.66139412
## 5860	99.99006	0.001059232	0.48430556	0.47519097	0.63899147
## 5861	99.67494	0.049111657	0.76113290	0.83568591	0.88226813
## 5862	98.48547	0.021889236	0.51414198	0.46262148	0.57695007
## 5863	99.96936	0.161573589	0.66203815	0.71800739	0.80560005

## 5864	99.98306	0.014924563	0.58907771	0.54670394	0.72615743
## 5865	99.98069	0.175980762	0.90986747	0.90687138	0.90182447
## 5866	95.10828	0.223177731	0.57323605	0.66948944	0.63829231
## 5867	95.69728	0.020769633	0.72535396	0.73221564	0.66972125
## 5868	99.97437	0.063950226	0.49574935	0.55620253	0.55700237
## 5869	99.86074	0.037522085	0.59416807	0.54853684	0.69775504
## 5870	99.99772	0.321633190	0.50428957	0.50130182	0.66717845
## 5871	99.84110	0.046110965	0.51801383	0.61000192	0.59418714
## 5872	99.98221	0.051562063	0.77495384	0.83288294	0.93350983
## 5873	99.97324	0.041820258	0.86246759	0.89840895	0.86320156
## 5874	99.96192	0.047088996	0.34408957	0.39753157	0.47873634
## 5875	99.96475	0.313949555	0.36983839	0.37593490	0.57237142
## 5876	99.68932	0.052277591	0.81334960	0.84875476	0.80792540
## 5877	99.99894	0.303337395	0.76440001	0.81590754	0.86838967
## 5878	99.83429	0.117486581	0.76174313	0.74184912	0.76954555
## 5879	99.89913	0.246233061	0.57355517	0.59145158	0.76910669
## 5880	99.97904	0.117451288	0.77272820	0.84800833	0.85381275
## 5881	99.09832	0.346629024	0.42984754	0.38718513	0.63075525
## 5882	99.98429	0.014618130	0.74014407	0.75409257	0.81411445
## 5883	99.95877	0.139932379	0.79286736	0.79372168	0.85311222
## 5884	99.84607	0.000478094	0.30347758	0.25026712	0.50272739
## 5885	99.99478	0.117131583	0.45683256	0.41447177	0.63391346
## 5886	99.61986	0.001361283	0.33757338	0.27807924	0.51080418
## 5887	99.95018	0.024147684	0.36564449	0.43738326	0.46420103
## 5888	99.74729	0.000192724	0.27757090	0.22751921	0.46366376
## 5889	99.11981	0.033468142	0.60393971	0.57402420	0.73075080
## 5890	99.97870	0.039323542	0.56181765	0.73805976	0.61169946
## 5891	99.91802	0.141307309	0.65714240	0.71123713	0.80518436
## 5892	99.88587	0.156332329	0.57443410	0.61667222	0.77586877
## 5893	99.95594	0.226705492	0.74167949	0.82908785	0.87975198
## 5894	99.82920	0.134400785	0.70520514	0.73051381	0.83149946
## 5895	99.98700	0.539244711	0.57134694	0.56914884	0.70426023
## 5896	99.67840	0.217709497	0.54795969	0.50475424	0.69867992
## 5897	99.97249	0.097211890	0.53732073	0.53670943	0.73526680
## 5898	99.99590	0.005430653	0.80809200	0.81922424	0.77094310
## 5899	99.91496	0.229310051	0.74521953	0.79486489	0.84415668
## 5900	99.94893	0.000506332	0.47375631	0.51506960	0.64488131
## 5901	99.98176	0.053644113	0.69187736	0.77360582	0.86996412
## 5902	99.98309	0.006052760	0.86157620	0.85777628	0.86225980
## 5903	99.21458	0.018665681	0.70914459	0.72645903	0.79601967
## 5904	99.97831	0.000009910	0.14107762	0.11547678	0.20586838
## 5905	99.98955	0.020163501	0.78116059	0.78364193	0.83536541
## 5906	99.89361	0.006386332	0.65213847	0.71005845	0.71980762
## 5907	99.98700	0.008640240	0.70984817	0.80447161	0.90634358
## 5908	99.86195	0.001079938	0.62358993	0.73616070	0.82205474
## 5909	99.99299	0.033878401	0.79605478	0.79586875	0.87653774
## 5910	95.01605	0.300320208	0.43695313	0.49419218	0.52161670
## 5911	99.94035	0.354034126	0.50635862	0.58666599	0.54109770
## 5912	99.90088	0.005696571	0.72797167	0.77477849	0.87042010
## 5913	99.82371	0.036448557	0.45657900	0.50087082	0.46192402
## 5914	98.39920	0.953165948	0.62076002	0.76124203	0.64811212
## 5915	99.43405	0.006025604	0.67642558	0.78964621	0.58048999
## 5916	99.20968	0.103244439	0.77598411	0.80137897	0.83305329
## 5917	99.66563	0.092542171	0.75452012	0.85478270	0.86814189

## 5918	99.47789	0.067710556	0.65517414	0.71537238	0.70794135
## 5919	93.02116	0.000874879	0.75200742	0.81927407	0.90410048
## 5920	99.80474	0.526909411	0.55941761	0.52047229	0.70482612
## 5921	98.32226	0.053520393	0.71169257	0.73001123	0.80240744
## 5922	99.82343	0.051147811	0.62917090	0.60244238	0.62503248
## 5923	99.94272	0.190069139	0.53186738	0.55499512	0.65492934
## 5924	99.46297	0.025276024	0.45177370	0.58507729	0.47698250
## 5925	99.33221	0.064464420	0.72148275	0.69958794	0.77510995
## 5926	99.93580	0.184878170	0.55273306	0.51112813	0.67297012
## 5927	99.98631	0.001071673	0.57197750	0.56885135	0.76525450
## 5928	99.77948	0.101337507	0.81327713	0.82606870	0.90260625
## 5929	94.62625	0.299571127	0.73326105	0.72437042	0.72486097
## 5930	98.81760	0.016366744	0.68487698	0.69250292	0.77354187
## 5931	99.84909	0.106331423	0.42886242	0.45386743	0.62967700
## 5932	99.75283	0.176152319	0.66919398	0.68279147	0.75202829
## 5933	97.41158	0.134212255	0.64937091	0.73079783	0.68817222
## 5934	99.97052	0.539702833	0.46779782	0.45403108	0.66039276
## 5935	99.58518	0.045562811	0.85997057	0.89646614	0.92156553
## 5936	99.98679	0.001674871	0.40009335	0.43760323	0.45060626
## 5937	99.88043	0.132658944	0.64479506	0.69800466	0.73723704
## 5938	99.47543	0.067484185	0.81276852	0.88700366	0.90100515
## 5939	99.94777	0.184117302	0.50326514	0.55707163	0.57849973
## 5940	99.97935	0.145349622	0.53396773	0.57108992	0.63953990
## 5941	98.59011	0.030136663	0.67965776	0.79545164	0.84924048
## 5942	99.21828	0.196191713	0.47282314	0.41593432	0.60267764
## 5943	99.98782	0.085035287	0.46180999	0.49839166	0.60806751
## 5944	99.93063	0.118117563	0.67127049	0.71057653	0.78822148
## 5945	99.86554	0.046571326	0.74709696	0.74004722	0.80079293
## 5946	95.97192	0.000014500	0.22326991	0.17913817	0.34429887
## 5947	99.78794	0.018031718	0.72719467	0.75016630	0.80452967
## 5948	99.88978	0.000221530	0.30748513	0.38687035	0.33461127
## 5949	99.99733	0.300379604	0.70467377	0.66174674	0.75147533
## 5950	99.35744	0.040905274	0.72507173	0.81326902	0.72695100
## 5951	99.78862	0.014578271	0.55449492	0.58157116	0.70070624
## 5952	99.09786	0.016162923	0.59688383	0.59014869	0.74147296
## 5953	99.99026	0.033457577	0.66052771	0.69899511	0.81763548
## 5954	99.47177	0.116646193	0.55945092	0.73619080	0.59510046
## 5955	99.57986	0.530641198	0.66767049	0.72298169	0.74968404
## 5956	99.79417	0.023311671	0.83436727	0.83295792	0.80206072
## 5957	99.98947	0.004110220	0.32177660	0.27562651	0.42545033
## 5958	99.46209	0.000015500	0.27837151	0.26304617	0.42292219
## 5959	99.89972	0.025469674	0.79653525	0.83324623	0.90723264
## 5960	99.00506	0.020646056	0.31318465	0.32565406	0.54871827
## 5961	99.91849	0.970204055	0.44323751	0.42667851	0.47380269
## 5962	99.36308	0.399050027	0.28023189	0.23650868	0.29090366
## 5963	99.74530	0.457563162	0.52214080	0.67431688	0.58311939
## 5964	99.87440	0.026264638	0.59436244	0.75917351	0.66328269
## 5965	99.96661	0.010521195	0.68248707	0.62925184	0.74501562
## 5966	99.09107	0.020691868	0.30733466	0.26416537	0.48843560
## 5967	99.83872	0.177423581	0.33576935	0.29109263	0.46478134
## 5968	93.74285	0.011515494	0.62647098	0.72722048	0.62685764
## 5969	99.61975	0.009126778	0.22406317	0.20163596	0.46985030
## 5970	97.56496	0.007370038	0.32262385	0.27531680	0.37557173
## 5971	99.94965	0.025408009	0.75326514	0.78855663	0.88701487

## 5972	99.03458	0.017515777	0.40752029	0.57385331	0.48790190
## 5973	99.94816	0.123570763	0.54947317	0.64908016	0.67324716
## 5974	99.98003	0.038394742	0.38559827	0.38943955	0.61140168
## 5975	99.78462	0.114844315	0.31976327	0.31657088	0.50672978
## 5976	99.68535	0.559016049	0.71560597	0.75980347	0.80884087
## 5977	99.99722	0.041586697	0.80712819	0.86952347	0.86853760
## 5978	99.96608	0.025927134	0.65277135	0.60850978	0.70742029
## 5979	99.99411	0.209903419	0.49299920	0.54499161	0.62672454
## 5980	99.96016	0.282392204	0.54063195	0.57478148	0.74965960
## 5981	98.99790	0.833615303	0.61022127	0.56578475	0.72235566
## 5982	99.63399	0.002940467	0.64967299	0.69228607	0.76051050
## 5983	99.99201	0.147787288	0.65847915	0.69452745	0.78162986
## 5984	99.39341	0.261394083	0.34457356	0.32094511	0.35994995
## 5985	99.97157	0.000026200	0.38396817	0.36796331	0.60170132
## 5986	99.88382	0.121044397	0.36266172	0.39284110	0.44270128
## 5987	97.28928	0.697114885	0.40166786	0.33728799	0.55416393
## 5988	99.83649	0.003278874	0.69915163	0.73434585	0.86698860
## 5989	99.95833	0.036437120	0.61417597	0.67579615	0.74901855
## 5990	99.67471	0.002748093	0.25912499	0.28456831	0.52567053
## 5991	98.66872	0.067155503	0.45101768	0.56795698	0.50608891
## 5992	98.58754	0.308468103	0.23775876	0.23209910	0.41058347
## 5993	99.58056	0.635582209	0.60174555	0.72794580	0.75152880
## 5994	99.81007	0.665830910	0.49655142	0.50009805	0.56724858
## 5995	99.91017	0.680823624	0.63305968	0.63891816	0.45479789
## 5996	99.94802	0.616733313	0.72723335	0.82296628	0.75339895
## 5997	99.62512	0.647553682	0.56220961	0.56121057	0.72486109
## 5998	99.45050	0.033948913	0.85180092	0.90123975	0.92308932
## 5999	99.94476	0.020577643	0.54027677	0.60299462	0.68013972
## 6000	99.71253	0.170001507	0.71495217	0.76202643	0.81171149
## 6001	94.23573	0.818433523	0.38081780	0.35578051	0.38632849
## 6002	99.48603	0.009503960	0.49504834	0.55123991	0.71080977
## 6003	99.81128	0.012705564	0.56312406	0.64347488	0.69694155
## 6004	99.97995	0.005141527	0.53053284	0.58136052	0.69919294
## 6005	99.89028	0.298475862	0.46355024	0.48640582	0.41054034
## 6006	99.78694	0.026222849	0.49946496	0.62249941	0.74309105
## 6007	99.82651	0.066599250	0.72344804	0.76275986	0.82924140
## 6008	95.13949	0.000657076	0.35098517	0.32944494	0.40367374
## 6009	99.80169	0.015308384	0.54096782	0.65846801	0.56459546
## 6010	99.31257	0.085508622	0.58502269	0.55520850	0.65041989
## 6011	98.99667	0.158495367	0.78885305	0.81363791	0.88339949
## 6012	99.94327	0.023404559	0.29018784	0.28633410	0.30916464
## 6013	99.78652	0.109130457	0.62199163	0.61498606	0.69503033
## 6014	99.98780	0.003320500	0.54942512	0.69033951	0.68674707
## 6015	99.93925	0.024419760	0.61394381	0.71211827	0.70331812
## 6016	98.42176	0.059587568	0.50760138	0.46285334	0.61203140
## 6017	99.52802	0.682931244	0.26544902	0.25772867	0.29498213
## 6018	99.92950	0.439817786	0.58251721	0.75264615	0.60795802
## 6019	98.27032	0.029040242	0.66079831	0.70129102	0.72475618
## 6020	99.85242	0.413186222	0.71420032	0.73586774	0.77975744
## 6021	99.72723	0.100169644	0.62564200	0.68722582	0.80932027
## 6022	99.97404	0.060092703	0.44025073	0.46880561	0.68627119
## 6023	96.80320	0.876287222	0.66628712	0.71996617	0.64907390
## 6024	97.85250	0.023989175	0.70961213	0.78254342	0.84026086
## 6025	99.95968	0.002671618	0.54304051	0.51716322	0.45833111

## 6026	99.99642	0.006658430	0.37810397	0.37277892	0.49416271
## 6027	99.23330	0.127200425	0.54163128	0.59446973	0.63622516
## 6028	99.94467	0.182021111	0.77485251	0.74327403	0.75238591
## 6029	99.53709	0.631464243	0.26483843	0.23337625	0.19799304
## 6030	99.90194	0.001549450	0.84287733	0.86185515	0.93543744
## 6031	99.88885	0.287436187	0.54811287	0.48663026	0.61277139
## 6032	99.99231	0.000982631	0.30449638	0.26456657	0.53071570
## 6033	99.89491	0.041723825	0.74887949	0.78343803	0.73788470
## 6034	99.97007	0.056548815	0.77303666	0.75422686	0.78013009
## 6035	99.40581	0.005599576	0.75084698	0.76760578	0.81310976
## 6036	99.94150	0.091299817	0.79122537	0.85086179	0.90117973
## 6037	98.30534	0.031955171	0.71777606	0.78567809	0.86125821
## 6038	99.96222	0.000162210	0.25519741	0.24495614	0.29455757
## 6039	99.97353	0.030991085	0.77243525	0.83289027	0.92529988
## 6040	99.98354	0.746135652	0.26415122	0.32222566	0.37064913
## 6041	99.99141	0.000430077	0.47894666	0.44071111	0.61959088
## 6042	97.42451	0.000978973	0.62884390	0.64978743	0.74309778
## 6043	99.79325	0.737327278	0.58028769	0.67912972	0.67522329
## 6044	99.88490	0.000883706	0.35327715	0.33563060	0.42388502
## 6045	96.63285	0.006675510	0.19409862	0.21806000	0.28979635
## 6046	96.01757	0.006122403	0.41955778	0.39302987	0.53047395
## 6047	99.99002	0.073351257	0.80608910	0.85879839	0.92356020
## 6048	99.81059	0.172333613	0.28436673	0.34383708	0.42196420
## 6049	98.07700	0.002793274	0.28698692	0.30520448	0.34313199
## 6050	99.88581	0.166039303	0.44502571	0.55714792	0.49732611
## 6051	99.96842	0.384561449	0.61193126	0.62470096	0.68386465
## 6052	95.13269	0.744596779	0.60320091	0.71554178	0.64179194
## 6053	99.92476	0.248191580	0.66799665	0.77762884	0.76081324
## 6054	99.78055	0.074493065	0.48227489	0.56811446	0.62795633
## 6055	99.96318	0.001351241	0.74085885	0.77353013	0.87403464
## 6056	99.98948	0.008444371	0.37031385	0.41535485	0.51460808
## 6057	99.97937	0.020219188	0.44829658	0.50755352	0.49456590
## 6058	99.96058	0.001101701	0.52832460	0.56127137	0.53419471
## 6059	95.73451	0.237546340	0.71549159	0.77488911	0.83884132
## 6060	99.74826	0.041678891	0.43724561	0.39848700	0.57841677
## 6061	99.74877	0.002930557	0.59304369	0.57631046	0.66711724
## 6062	99.99844	0.030049643	0.47195765	0.48755637	0.64895076
## 6063	99.66638	0.047857266	0.65244460	0.71860623	0.80331844
## 6064	99.68408	0.135442525	0.88145334	0.92302984	0.91597140
## 6065	99.98589	0.019168666	0.56002069	0.64359176	0.77692950
## 6066	99.98657	0.387527585	0.29095092	0.28056192	0.27229550
## 6067	99.50213	0.112188749	0.63758266	0.68714953	0.75209218
## 6068	99.91767	0.417769611	0.38062561	0.36091721	0.61226982
## 6069	99.50345	0.025395358	0.84673065	0.87991953	0.97505063
## 6070	99.67904	0.008356361	0.26754406	0.30730617	0.39510322
## 6071	98.84173	0.663594842	0.33110175	0.29439211	0.28873506
## 6072	99.99182	0.001073295	0.31071427	0.26834580	0.52670056
## 6073	99.95997	0.000126578	0.32617778	0.37888610	0.36661470
## 6074	98.03059	0.812606454	0.23884730	0.24028899	0.28885880
## 6075	99.99565	0.022748208	0.64291942	0.66648459	0.81644547
## 6076	99.95155	0.014298429	0.83947003	0.87956214	0.89097971
## 6077	99.70955	0.023965755	0.77784157	0.76118809	0.75623107
## 6078	99.72197	0.000198879	0.26726294	0.22475372	0.33874431
## 6079	99.53761	0.340623081	0.56819636	0.66436553	0.72729671

## 6080	99.75354	0.381518364	0.68791670	0.77062279	0.86697465
## 6081	97.97944	0.155214980	0.50647742	0.53124845	0.72314519
## 6082	98.14211	0.192129433	0.73885655	0.80467880	0.86170971
## 6083	99.97516	0.013348594	0.53243959	0.50443357	0.69500423
## 6084	99.89403	0.005990713	0.84948748	0.87701863	0.88273090
## 6085	99.99035	0.436401516	0.60309952	0.72298783	0.64562202
## 6086	98.90363	0.233708352	0.29807830	0.25163898	0.46904373
## 6087	99.98916	0.013626610	0.24604030	0.27649173	0.52296585
## 6088	99.94752	0.098932818	0.39969638	0.37905776	0.54531759
## 6089	99.84442	0.427534133	0.65654623	0.69570226	0.83502400
## 6090	98.86923	0.509132743	0.45606390	0.44795302	0.62877184
## 6091	99.99836	0.573422909	0.41878989	0.47117928	0.66772252
## 6092	99.98490	0.957695305	0.37869906	0.44488007	0.49582067
## 6093	99.94025	0.030664751	0.60321891	0.70000464	0.69929850
## 6094	99.93607	0.532743633	0.85979700	0.91304439	0.97671837
## 6095	99.95615	0.179438367	0.55987167	0.71887034	0.66940975
## 6096	98.01733	0.079905920	0.41867340	0.37444422	0.56910419
## 6097	97.78201	0.005210786	0.66784179	0.79721403	0.89604741
## 6098	99.96364	0.022436488	0.82123738	0.80674612	0.80959070
## 6099	99.83794	0.040619090	0.55755544	0.53379500	0.73809016
## 6100	97.53366	0.054165956	0.67482060	0.71160263	0.81503743
## 6101	99.99960	0.075720176	0.42042092	0.53368151	0.57228130
## 6102	99.99369	0.033265974	0.44379649	0.41234791	0.36072478
## 6103	99.97318	0.121932805	0.67350298	0.81232208	0.59209579
## 6104	99.99531	0.055376578	0.62636924	0.67544490	0.76219672
## 6105	99.93087	0.000054100	0.26539600	0.24609545	0.50940812
## 6106	99.98090	0.029483290	0.67631596	0.64812320	0.77061242
## 6107	99.59159	0.038497306	0.51915669	0.59247017	0.66148692
## 6108	99.98695	0.459032685	0.36944365	0.38284108	0.52280319
## 6109	96.81761	0.026386604	0.54722261	0.54375189	0.71944421
## 6110	98.71514	0.200519696	0.71296376	0.77128160	0.88518131
## 6111	99.90026	0.000035200	0.32702625	0.32337368	0.48044473
## 6112	99.62551	0.206362858	0.52042299	0.54568774	0.43083739
## 6113	99.97369	0.076906823	0.81442308	0.86464113	0.91086358
## 6114	99.89843	0.000520009	0.26346290	0.23171231	0.33816421
## 6115	99.67774	0.007313856	0.33767831	0.37875986	0.51205248
## 6116	99.48462	0.017287435	0.74055845	0.76898652	0.85356373
## 6117	99.98475	0.072871752	0.75546974	0.76862478	0.84096128
## 6118	97.57096	0.175270408	0.48676765	0.61855590	0.61814260
## 6119	99.08578	0.376506746	0.26570564	0.23038520	0.35278493
## 6120	98.37470	0.026398538	0.33202648	0.29921424	0.57326686
## 6121	97.39660	0.281852275	0.77052325	0.77283579	0.75337660
## 6122	99.99651	0.000670605	0.25859222	0.25765571	0.50880641
## 6123	99.60385	0.068238914	0.60344797	0.62744933	0.71380210
## 6124	99.87943	0.044112340	0.53298372	0.50734562	0.72317916
## 6125	99.98285	0.056263730	0.53980851	0.52338731	0.66577554
## 6126	99.99222	0.014126807	0.53609377	0.58634615	0.64852005
## 6127	99.90656	0.483673990	0.41105115	0.49222466	0.55233133
## 6128	99.91653	0.103549510	0.58421725	0.64867777	0.72130847
## 6129	99.95899	0.066662207	0.48006389	0.61147463	0.65842313
## 6130	99.99429	0.077806592	0.73282957	0.80559504	0.88358599
## 6131	99.92776	0.002813897	0.23473175	0.23758729	0.42094326
## 6132	97.92698	0.141241580	0.53560770	0.65942782	0.67286432
## 6133	99.50130	0.213296801	0.62363726	0.71122164	0.54010254

## 6134	99.70681	0.255785346	0.59772468	0.74451661	0.74531317
## 6135	99.96281	0.600427687	0.58979052	0.59008872	0.60640949
## 6136	99.95934	0.000009400	0.22263221	0.21047254	0.37287882
## 6137	99.91755	0.481180012	0.28946575	0.29452589	0.32035396
## 6138	99.03656	0.001509510	0.28542015	0.25381264	0.38421082
## 6139	99.47812	0.490419865	0.44964558	0.52047646	0.40630868
## 6140	99.59299	0.861347198	0.60744268	0.74666315	0.61161655
## 6141	99.88496	0.123927496	0.52612430	0.54164308	0.67624044
## 6142	99.46163	0.125209644	0.79452789	0.81850070	0.75784415
## 6143	99.85827	0.020661971	0.26333460	0.25684559	0.37062305
## 6144	99.10368	0.026996510	0.30032283	0.26767296	0.54192561
## 6145	98.15251	0.000187469	0.25421813	0.25235143	0.40465882
## 6146	98.23424	0.001079353	0.71497160	0.79636252	0.73302251
## 6147	99.67516	0.000277718	0.22228493	0.19004309	0.36120313
## 6148	99.91584	0.276568383	0.72754461	0.80622649	0.84395039
## 6149	99.27975	0.001040533	0.24158280	0.21483891	0.28455481
## 6150	99.97332	0.476036936	0.40505832	0.41347051	0.59330678
## 6151	99.98247	0.399958670	0.77733839	0.79631978	0.81503040
## 6152	99.14229	0.000135311	0.25364989	0.21318927	0.43853053
## 6153	99.95936	0.202895626	0.74146974	0.80074221	0.85499656
## 6154	99.41646	0.001580925	0.28432480	0.26577100	0.39850146
## 6155	95.52841	0.092644915	0.59113795	0.62917101	0.78451461
## 6156	98.22016	0.000923594	0.52185857	0.43769494	0.55727464
## 6157	97.34741	0.025935329	0.82401830	0.84424949	0.89130652
## 6158	96.25685	0.085125737	0.68909079	0.72690147	0.80103213
## 6159	99.93979	0.006934820	0.32102779	0.33630583	0.32483071
## 6160	99.80526	0.063530281	0.37036538	0.41393393	0.61407042
## 6161	99.98501	0.000080000	0.31445906	0.27321958	0.47689831
## 6162	99.14107	0.567766070	0.53599417	0.54254132	0.56479061
## 6163	99.12951	0.006070308	0.37618390	0.35339320	0.38285169
## 6164	99.73620	0.001129995	0.37137219	0.30313358	0.49118352
## 6165	99.03664	0.311983079	0.49108875	0.52484882	0.40261054
## 6166	99.98814	0.736878037	0.30796048	0.32728490	0.30605263
## 6167	98.93797	0.006753503	0.60325235	0.67205036	0.67091149
## 6168	99.00371	0.070362337	0.49752516	0.52621233	0.64441729
## 6169	95.27668	0.009855945	0.86180818	0.89856183	0.88102537
## 6170	95.60939	0.162442431	0.52613753	0.53312552	0.61246401
## 6171	99.55205	0.001113748	0.36537588	0.33061454	0.50970632
## 6172	98.53572	0.000559161	0.34166375	0.31771106	0.49384201
## 6173	99.84013	0.000241824	0.32367170	0.32412919	0.32041040
## 6174	99.84645	0.000476597	0.28774917	0.25043336	0.27688250
## 6175	99.63035	0.000119307	0.34901968	0.29921189	0.37673247
## 6176	99.95652	0.060341474	0.55950272	0.64924383	0.51346827
## 6177	99.89512	0.132501706	0.61147982	0.70919532	0.62332398
## 6178	98.55564	0.000317720	0.41158804	0.43643367	0.45429239
## 6179	98.41253	0.015634730	0.54045355	0.47917667	0.65001762
## 6180	99.13415	0.184994295	0.30004585	0.31372279	0.43392438
## 6181	99.67593	0.006184819	0.82349539	0.88930404	0.89056885
## 6182	99.94148	0.943788886	0.27947235	0.28472105	0.34451830
## 6183	99.96775	0.000172037	0.39558145	0.37257499	0.48296571
## 6184	98.92135	0.034804128	0.76115590	0.83478695	0.89131600
## 6185	99.02753	0.000464349	0.52174681	0.43211463	0.53694469
## 6186	98.75080	0.087718502	0.52600104	0.59664375	0.63777715
## 6187	99.88573	0.330945462	0.58494800	0.68104863	0.64964402

## 6188	99.84258	0.009681697	0.75361830	0.82971299	0.83442539
## 6189	95.09714	0.863600194	0.53723276	0.66158176	0.56355005
## 6190	98.87200	0.010332232	0.40039924	0.43471762	0.58171552
## 6191	99.99253	0.058554083	0.65804249	0.72787225	0.84459591
## 6192	99.99966	0.001076618	0.15612738	0.14457831	0.33008212
## 6193	99.97716	0.004079370	0.51884866	0.62171471	0.58614218
## 6194	99.39019	0.460339308	0.68732810	0.81295806	0.83410728
## 6195	99.97243	0.021624619	0.73397279	0.81781930	0.88583052
## 6196	99.85051	0.013886093	0.27172145	0.28256890	0.27400508
## 6197	99.12921	0.001189480	0.26431900	0.22427385	0.39964282
## 6198	99.93182	0.016440930	0.48093328	0.50891322	0.60224897
## 6199	99.99728	0.000026400	0.33357584	0.31554467	0.37974021
## 6200	98.03716	0.045896418	0.30310738	0.29259539	0.27646831
## 6201	98.63166	0.478878766	0.64656889	0.74180800	0.80869830
## 6202	99.80486	0.032024421	0.48639831	0.53756309	0.63217354
## 6203	99.98739	0.421110213	0.59347916	0.75061268	0.71335441
## 6204	99.95509	0.000129134	0.26898494	0.20366345	0.35274744
## 6205	96.79957	0.318925351	0.49622619	0.56942409	0.59021878
## 6206	99.11698	0.057631399	0.70009142	0.67919141	0.73148567
## 6207	99.77021	0.817005217	0.29035550	0.33144668	0.48458570
## 6208	99.74880	0.953851759	0.30301776	0.48337850	0.54542053
## 6209	99.95044	0.227504879	0.40453395	0.33360753	0.49518344
## 6210	98.95284	0.029722154	0.54654366	0.51954985	0.43535417
## 6211	99.71646	0.234544888	0.65645957	0.75103056	0.85472590
## 6212	97.17330	0.880948067	0.34963524	0.32400021	0.36854503
## 6213	99.98878	0.314334869	0.60743737	0.65282792	0.79614609
## 6214	98.94380	0.199651927	0.57267994	0.69323045	0.77637124
## 6215	99.96091	0.002723164	0.35848591	0.32885298	0.54678756
## 6216	99.95430	0.139422938	0.37415060	0.40501398	0.43426543
## 6217	99.94531	0.141986385	0.40833130	0.44585851	0.64085025
## 6218	99.65764	0.093801633	0.55710483	0.59424359	0.74739814
## 6219	99.99291	0.496736586	0.60105801	0.68345642	0.85148156
## 6220	99.93233	0.049737409	0.68992764	0.78220957	0.73818225
## 6221	99.96130	0.000902236	0.36265430	0.32091960	0.54842162
## 6222	99.98892	0.000020400	0.28396344	0.26637882	0.44922981
## 6223	99.69818	0.107187040	0.52008331	0.53598410	0.64834243
## 6224	99.89677	0.543368459	0.43167335	0.42233711	0.47107205
## 6225	99.86498	0.003562078	0.47990000	0.45588407	0.65110517
## 6226	99.95677	0.839852154	0.18664706	0.15090446	0.11832860
## 6227	99.55874	0.076385804	0.51199931	0.50642127	0.60560775
## 6228	99.97855	0.317030489	0.53223169	0.60324490	0.77033573
## 6229	98.12159	0.032027408	0.53494972	0.52914667	0.72591037
## 6230	99.99734	0.186572686	0.73609441	0.80911338	0.88132012
## 6231	99.96948	0.256504655	0.50313342	0.58598483	0.68982315
## 6232	99.02221	0.283291340	0.83637053	0.87607360	0.88892674
## 6233	99.88935	0.416521788	0.50855947	0.54813302	0.59955043
## 6234	99.88139	0.078514077	0.69290382	0.67192161	0.73025662
## 6235	97.51776	0.215221614	0.55331296	0.65044463	0.76293117
## 6236	99.89638	0.018167991	0.32331082	0.28617415	0.56960219
## 6237	99.89681	0.381884784	0.61302269	0.69403493	0.76010573
## 6238	99.97219	0.038591735	0.85117632	0.87634027	0.97450739
## 6239	99.95161	0.864053011	0.18578662	0.16853917	0.23903351
## 6240	99.66841	0.000144198	0.24094904	0.21423009	0.35051510
## 6241	99.97451	0.079260342	0.55346858	0.66757280	0.70078510

## 6242	99.12110	0.000001890	0.13190568	0.15687734	0.33028048
## 6243	96.81546	0.189466283	0.55017078	0.60185230	0.65700734
## 6244	99.45515	0.026371626	0.73467839	0.78026867	0.90663421
## 6245	99.97901	0.262008041	0.54759413	0.62479871	0.68384492
## 6246	99.99610	0.006616816	0.43408585	0.43647432	0.55578554
## 6247	99.83113	0.857424319	0.47145769	0.53900236	0.55250460
## 6248	99.89271	0.000186178	0.26681304	0.27904758	0.30404702
## 6249	99.78360	0.353185445	0.66812426	0.65961325	0.71123666
## 6250	99.82191	0.155016854	0.57405514	0.61162209	0.65793538
## 6251	99.83559	0.201026738	0.65590757	0.65837985	0.78917932
## 6252	99.96936	0.000116841	0.37537435	0.40378103	0.53603882
## 6253	99.76573	0.434483618	0.51453787	0.47442851	0.54836011
## 6254	99.94031	0.132863998	0.23064980	0.24429250	0.41084683
## 6255	99.58592	0.016139222	0.83423454	0.84985000	0.88195974
## 6256	99.70778	0.004031444	0.31972259	0.27529404	0.53716099
## 6257	99.50814	0.022760870	0.58974779	0.72983551	0.71584398
## 6258	99.35600	0.012985778	0.45038837	0.49856407	0.54079157
## 6259	99.98269	0.276504517	0.43984869	0.37811571	0.56151748
## 6260	99.94795	0.234746084	0.70836568	0.72604382	0.81769210
## 6261	99.19996	0.243260428	0.55615032	0.54865277	0.74787813
## 6262	99.99253	0.032165002	0.49015561	0.55649048	0.48853084
## 6263	99.89196	0.082255952	0.56592113	0.68455315	0.71556860
## 6264	99.85931	0.009760140	0.37447575	0.38100600	0.35019037
## 6265	98.57500	0.132314339	0.47554526	0.45505053	0.68608159
## 6266	99.89523	0.008191964	0.49517280	0.52370834	0.65058136
## 6267	99.85359	0.067854792	0.75328422	0.77949172	0.86729050
## 6268	99.96088	0.001607452	0.77344257	0.76476717	0.78197867
## 6269	99.89604	0.013818769	0.41142553	0.43429503	0.57219303
## 6270	92.77180	0.024640216	0.71185678	0.75046051	0.84639668
## 6271	91.76138	0.054346677	0.80800539	0.86723870	0.96372455
## 6272	99.95865	0.108837813	0.56862497	0.56013048	0.63287532
## 6273	99.91611	0.000027700	0.23281838	0.20715593	0.37964973
## 6274	99.71693	0.968294263	0.11810926	0.08686199	0.15314402
## 6275	99.98173	0.236717224	0.68354249	0.67739636	0.72008562
## 6276	98.92229	0.000765835	0.47384351	0.54214639	0.39400908
## 6277	99.76933	0.184814602	0.34703124	0.36345306	0.52645469
## 6278	99.99151	0.016024474	0.54938042	0.69581401	0.63966209
## 6279	99.80134	0.670436502	0.23287763	0.20308703	0.22866240
## 6280	99.97060	0.116443008	0.58808953	0.68047059	0.64750999
## 6281	99.95843	0.000029600	0.27573699	0.25261918	0.47223207
## 6282	99.93187	0.000070900	0.24389373	0.18689501	0.40079266
## 6283	99.38049	0.237204477	0.38187146	0.41051823	0.57219738
## 6284	99.82168	0.079938047	0.39974734	0.36985823	0.54373562
## 6285	99.91765	0.672806382	0.44730687	0.38584495	0.60124052
## 6286	99.90608	0.251261115	0.52999216	0.56408489	0.74373358
## 6287	98.61365	0.000500683	0.31001112	0.33577537	0.56426728
## 6288	99.95436	0.987861693	0.37405312	0.37568387	0.34417155
## 6289	99.83752	0.794143260	0.35411587	0.40717560	0.60276157
## 6290	96.36180	0.093372539	0.60116970	0.66105956	0.71122730
## 6291	99.99319	0.000204484	0.45046490	0.50159126	0.69992673
## 6292	99.92259	0.782984614	0.72836345	0.72823072	0.69650638
## 6293	99.99472	0.000769059	0.32243475	0.26868623	0.36592090
## 6294	99.98306	0.010928174	0.61350429	0.59953851	0.68201697
## 6295	99.98050	0.000760123	0.45097834	0.40829665	0.58729064

## 6296	99.95635	0.011750334	0.46666381	0.44169390	0.35904020
## 6297	99.86570	0.105613768	0.49693525	0.53812629	0.75402993
## 6298	99.81036	0.314771324	0.57907140	0.56945223	0.74557739
## 6299	99.19573	0.004016692	0.48380229	0.42759952	0.63780177
## 6300	99.83267	0.001184309	0.27970940	0.25833917	0.22014804
## 6301	98.77411	0.028220393	0.62801778	0.64051640	0.76007813
## 6302	98.66458	0.014622566	0.48660493	0.51791477	0.62562078
## 6303	99.99676	0.006032427	0.72133964	0.74811596	0.87864065
## 6304	99.82020	0.166406021	0.70528215	0.74234843	0.83002657
## 6305	97.51320	0.000831496	0.23546064	0.27986193	0.36776164
## 6306	96.69365	0.399308652	0.49910387	0.55362183	0.67568308
## 6307	99.53604	0.261943787	0.57161504	0.56121659	0.63844454
## 6308	99.99269	0.533338368	0.37332285	0.38059568	0.53460580
## 6309	99.91731	0.336869061	0.69012958	0.77178198	0.91750515
## 6310	99.92979	0.057009671	0.58357352	0.54993117	0.64204246
## 6311	99.53874	0.379323900	0.58259618	0.66568822	0.65314555
## 6312	98.52947	0.623522878	0.75050366	0.74486184	0.78257507
## 6313	99.97997	0.115514621	0.43182322	0.51640505	0.63453728
## 6314	99.27379	0.081842802	0.75117302	0.80559981	0.90664917
## 6315	99.94611	0.008391542	0.41149035	0.36842701	0.47997087
## 6316	90.17520	0.068767518	0.32892600	0.28470537	0.51986510
## 6317	92.43523	0.009090782	0.33649999	0.29628664	0.39772573
## 6318	99.49394	0.681000888	0.49418864	0.59054726	0.56284547
## 6319	99.75868	0.013169945	0.51392305	0.56623691	0.56279826
## 6320	99.67311	0.001120545	0.23227206	0.21098948	0.23676735
## 6321	99.83462	0.015611552	0.38708556	0.41399226	0.36390016
## 6322	99.98003	0.012578051	0.35842273	0.39828521	0.53588086
## 6323	99.87419	0.238739535	0.60169119	0.61291361	0.73303246
## 6324	97.49399	0.143420920	0.21150000	0.23131213	0.25630528
## 6325	99.86524	0.000126898	0.40949821	0.38663411	0.44225487
## 6326	99.39203	0.129679456	0.31559029	0.28934288	0.49289656
## 6327	99.98949	0.004687486	0.56410247	0.64797580	0.72137731
## 6328	99.70214	0.192074195	0.52406275	0.55265492	0.41952157
## 6329	98.33447	0.057407089	0.46923333	0.57200241	0.60952264
## 6330	99.85107	0.347413331	0.84673512	0.86806381	0.90754944
## 6331	99.41641	0.058384407	0.39601976	0.41978762	0.39823744
## 6332	99.84634	0.019125598	0.57239413	0.66259038	0.73978752
## 6333	99.85092	0.160969093	0.66365278	0.74572289	0.79735589
## 6334	99.94169	0.613802969	0.32150358	0.32890132	0.50133353
## 6335	99.93968	0.357655913	0.67629260	0.69861716	0.80237049
## 6336	99.65442	0.930378497	0.54570997	0.57934892	0.59074664
## 6337	99.90606	0.068009742	0.67259115	0.70002425	0.79973316
## 6338	99.16665	0.654353619	0.15364732	0.12257416	0.13761812
## 6339	99.87167	0.063937239	0.84659505	0.84098363	0.91043842
## 6340	99.98953	0.214314640	0.66755509	0.69542557	0.74783415
## 6341	99.96304	0.006773696	0.22881062	0.20862825	0.37336129
## 6342	99.19890	0.002808280	0.43438870	0.40126154	0.51059073
## 6343	97.97561	0.025508327	0.61335880	0.61384636	0.74544203
## 6344	99.69991	0.003990849	0.38599670	0.35671478	0.36354005
## 6345	99.95541	0.494331896	0.36113629	0.35290769	0.45435142
## 6346	99.91372	0.013347581	0.52425146	0.46875447	0.57651901
## 6347	99.41881	0.169560432	0.32979220	0.29447588	0.48959810
## 6348	99.94261	0.556474268	0.48050734	0.48546112	0.70097053
## 6349	99.68793	0.001374739	0.45715812	0.43863910	0.51890522

## 6350	99.50288	0.531342983	0.47930983	0.43821344	0.45810640
## 6351	99.97653	0.084652387	0.41464102	0.49163991	0.68487471
## 6352	99.85842	0.502824545	0.79514599	0.78529394	0.79099292
## 6353	98.69394	0.308182836	0.31916869	0.37584478	0.33436117
## 6354	99.41817	0.005292976	0.59210217	0.66425592	0.71115947
## 6355	99.85093	0.026979331	0.60512286	0.66631496	0.79251617
## 6356	99.95138	0.020526839	0.52872527	0.49557197	0.54556572
## 6357	99.91385	0.142645136	0.76515692	0.76073355	0.79202509
## 6358	99.91381	0.911730528	0.32581773	0.34229478	0.39867100
## 6359	99.92549	0.126009762	0.67308408	0.68435961	0.77863425
## 6360	99.96917	0.001657124	0.24816600	0.21130896	0.42344531
## 6361	99.62233	0.202490732	0.52855712	0.55204922	0.75667399
## 6362	99.76835	0.007740426	0.62398571	0.60422051	0.76395029
## 6363	96.91117	0.464832604	0.67403871	0.70324081	0.83325028
## 6364	97.50258	0.432216763	0.96725142	0.96688116	0.81278896
## 6365	99.98574	0.095036760	0.68396032	0.70951438	0.81184643
## 6366	99.98341	0.381793231	0.68126398	0.61789107	0.73501277
## 6367	99.95926	0.122119218	0.66942590	0.73788392	0.82806343
## 6368	99.95429	0.082010627	0.37623370	0.43458459	0.38981187
## 6369	99.52070	0.214231089	0.39441702	0.42657489	0.58227509
## 6370	99.92481	0.049776491	0.86483276	0.89295816	0.88900632
## 6371	99.72038	0.029382506	0.39292684	0.42405775	0.50735033
## 6372	99.99831	0.002722498	0.35468435	0.37582937	0.51683724
## 6373	99.99182	0.127335325	0.64100695	0.75959259	0.78369892
## 6374	97.43776	0.096509941	0.57556719	0.65195429	0.68739337
## 6375	99.97637	0.041811876	0.47814885	0.42421523	0.62135899
## 6376	99.88994	0.142416909	0.54719734	0.64576739	0.54545402
## 6377	99.18222	0.060963780	0.50667650	0.45595619	0.58567041
## 6378	99.85063	0.825527787	0.53304803	0.49928147	0.66830236
## 6379	99.63765	0.932525277	0.16671826	0.14123474	0.18389225
## 6380	99.33512	0.007132592	0.40709066	0.36067441	0.60934615
## 6381	99.67709	0.073705480	0.46369660	0.42281076	0.48520616
## 6382	99.98665	0.005722468	0.35876611	0.30964357	0.54336602
## 6383	99.99167	0.098555610	0.88587654	0.89089245	0.88775814
## 6384	98.99881	0.099999502	0.55020744	0.47115031	0.61523735
## 6385	99.86482	0.020714015	0.71280736	0.78506488	0.80567247
## 6386	99.99462	0.217950523	0.49753198	0.53695297	0.75524121
## 6387	99.57290	0.007373584	0.72652352	0.73104191	0.81145769
## 6388	98.68450	0.171976045	0.29654661	0.27269507	0.49771181
## 6389	99.65846	0.014715701	0.43686801	0.50189972	0.48939675
## 6390	98.52366	0.000002660	0.12285909	0.10871040	0.14775963
## 6391	99.94384	0.027106533	0.27837068	0.25155738	0.42048955
## 6392	98.13378	0.023091255	0.66798669	0.63593191	0.69586903
## 6393	99.99440	0.076332927	0.51509482	0.57396007	0.50491816
## 6394	99.56726	0.101722196	0.56386751	0.66401970	0.61134100
## 6395	99.87318	0.520592690	0.30981019	0.29910216	0.29943040
## 6396	99.59511	0.000016600	0.27610159	0.22792503	0.47842071
## 6397	99.59005	0.212869555	0.72639108	0.66468746	0.70995396
## 6398	91.69716	0.000058400	0.82722437	0.87109798	0.95463967
## 6399	97.84950	0.051490657	0.54276997	0.69443381	0.63170773
## 6400	96.74797	0.112791188	0.83658832	0.83934587	0.87267059
## 6401	98.90266	0.563669562	0.60595602	0.53871548	0.61395848
## 6402	99.21026	0.638306081	0.35658571	0.35801980	0.39730579
## 6403	99.96551	0.044761114	0.70197439	0.75908947	0.84240633

## 6404	99.99315	0.491252959	0.43378434	0.48902789	0.64302880
## 6405	99.98215	0.177492350	0.55116558	0.60872817	0.57113552
## 6406	97.99012	0.351505607	0.71027660	0.70972520	0.79783744
## 6407	99.74867	0.003664918	0.50158960	0.52970296	0.66658282
## 6408	95.62459	0.055619132	0.70787686	0.76545596	0.86552268
## 6409	99.80804	0.530436099	0.23452672	0.20127331	0.16265401
## 6410	99.85702	0.017456474	0.77368021	0.75909019	0.77353180
## 6411	99.97916	0.142385319	0.57218105	0.67563427	0.57105929
## 6412	99.91009	0.614696026	0.58144885	0.65054524	0.58949918
## 6413	99.48580	0.074141629	0.47142732	0.53218436	0.59757125
## 6414	99.85796	0.994553268	0.41391569	0.39648527	0.33365646
## 6415	99.92372	0.000013500	0.27499303	0.25084183	0.29229715
## 6416	99.92704	0.167475238	0.60247308	0.59743595	0.71012574
## 6417	99.91081	0.000106203	0.35473216	0.30049968	0.54750234
## 6418	99.98774	0.000067300	0.21454537	0.20797707	0.42816520
## 6419	96.56070	0.017618060	0.78176385	0.84207952	0.87002248
## 6420	99.77871	0.146954358	0.55130577	0.67669272	0.70337874
## 6421	99.94439	0.000494699	0.22015531	0.18099153	0.41519278
## 6422	99.55611	0.066277452	0.46739879	0.51061910	0.61194253
## 6423	99.38223	0.008363908	0.36625683	0.38677597	0.57687509
## 6424	99.32983	0.693240106	0.58777022	0.51176661	0.34730664
## 6425	95.48542	0.311951876	0.79309553	0.83537412	0.92555553
## 6426	99.63278	0.000207130	0.50355154	0.54909658	0.67111808
## 6427	99.94023	0.199072540	0.46088123	0.56753480	0.54174000
## 6428	97.48156	0.744988024	0.48930633	0.57683760	0.60823625
## 6429	99.68559	0.000032000	0.58335483	0.71152818	0.56948817
## 6430	99.92333	0.004904297	0.25290790	0.20480058	0.29951557
## 6431	99.89626	0.170350969	0.52872056	0.60360396	0.65691137
## 6432	99.95748	0.001062559	0.34892577	0.32667762	0.54436368
## 6433	99.76140	0.089847863	0.64078653	0.73862958	0.56252819
## 6434	99.79675	0.022901038	0.58955449	0.58720863	0.67156529
## 6435	99.55410	0.039522149	0.63774896	0.69128037	0.76093692
## 6436	99.80797	0.460154623	0.36138326	0.35455224	0.42475823
## 6437	99.99118	0.000218137	0.39698103	0.40744665	0.63137090
## 6438	99.49413	0.138951123	0.67137200	0.68868035	0.81381053
## 6439	99.92853	0.000284517	0.27341878	0.27496722	0.46698597
## 6440	99.94362	0.003752045	0.30137980	0.26805553	0.51266336
## 6441	99.98749	0.460567176	0.53163880	0.61665529	0.58711922
## 6442	99.60636	0.014086465	0.44772080	0.46278289	0.67168707
## 6443	99.68157	0.240885645	0.43484735	0.43617922	0.42599973
## 6444	99.90711	0.001765698	0.33928043	0.32437700	0.46214315
## 6445	99.87161	0.104248583	0.55216312	0.50833947	0.66388005
## 6446	99.76625	0.000083300	0.24954428	0.23937577	0.39593628
## 6447	98.59608	0.274081469	0.34682921	0.40536141	0.42072862
## 6448	99.89391	0.107537173	0.67167187	0.66544831	0.77368933
## 6449	98.46391	0.118650034	0.40136069	0.39589250	0.54605120
## 6450	99.94192	0.146567956	0.79246128	0.82550591	0.85246772
## 6451	99.91015	0.086891837	0.39279059	0.41106808	0.45503288
## 6452	99.49138	0.017610658	0.37758640	0.47726819	0.62258905
## 6453	99.95631	0.006773821	0.28598621	0.27657634	0.43922636
## 6454	97.08452	0.093105778	0.69400346	0.72341263	0.79533547
## 6455	99.99801	0.071420118	0.68423128	0.64251441	0.76323855
## 6456	99.90891	0.022750333	0.56214571	0.58834118	0.70429236
## 6457	99.61168	0.926767707	0.21700293	0.20549092	0.25646272

## 6458	99.99777	0.150212482	0.55541581	0.61012679	0.76203275
## 6459	98.87701	0.095608227	0.49139252	0.47791275	0.62666810
## 6460	99.24484	0.066934109	0.36403361	0.31340066	0.49584633
## 6461	99.48950	0.042712849	0.39648220	0.38248736	0.62671214
## 6462	99.71797	0.025465934	0.50217259	0.52442133	0.54898638
## 6463	99.94713	0.054299969	0.52755791	0.55404466	0.66017914
## 6464	99.93563	0.000609337	0.24328977	0.19884595	0.32358170
## 6465	97.57254	0.329583198	0.43550348	0.54587197	0.62898225
## 6466	99.19858	0.003083156	0.51375967	0.47286713	0.64868289
## 6467	99.84310	0.614030600	0.52462411	0.56366807	0.55781871
## 6468	99.86634	0.107923292	0.55474734	0.56373167	0.66980874
## 6469	99.86821	0.647181630	0.47558087	0.63246739	0.57827556
## 6470	99.50722	0.097195186	0.55578881	0.52763516	0.64059526
## 6471	99.59461	0.026341267	0.46417639	0.43736133	0.48051995
## 6472	99.96096	0.019775050	0.86259788	0.86338878	0.87492400
## 6473	99.53794	0.001028265	0.63742197	0.69718856	0.77023238
## 6474	99.74116	0.990555465	0.14779518	0.10577832	0.15638147
## 6475	99.98275	0.000426139	0.72445256	0.79963839	0.83631444
## 6476	98.81161	0.052035224	0.58273196	0.61644822	0.73427832
## 6477	99.97067	0.001134964	0.57053816	0.66825044	0.72515565
## 6478	99.86244	0.917253017	0.42069620	0.46581730	0.47578204
## 6479	99.97113	0.045157786	0.44976798	0.56953043	0.47506982
## 6480	99.95612	0.096267119	0.61424202	0.74778676	0.73532945
## 6481	99.87333	0.094684079	0.76858616	0.77072316	0.83965701
## 6482	99.07648	0.051304568	0.67799646	0.70006728	0.76544356
## 6483	99.86044	0.000134408	0.20695813	0.20126118	0.35662049
## 6484	99.22945	0.094107203	0.61229497	0.73376256	0.73050952
## 6485	99.96341	0.116804287	0.32040760	0.27502623	0.44412109
## 6486	98.97369	0.056955971	0.38061368	0.31559348	0.37199271
## 6487	99.90947	0.000230301	0.31873295	0.29016662	0.56639129
## 6488	99.92345	0.001096890	0.38229692	0.37944990	0.60815436
## 6489	90.94210	0.329008788	0.71414310	0.72755241	0.79648572
## 6490	99.27577	0.001252676	0.25116065	0.23369552	0.45277360
## 6491	99.95665	0.589780152	0.39013076	0.44110754	0.35995635
## 6492	99.17891	0.016082499	0.60403919	0.61158782	0.69648975
## 6493	93.38770	0.016112167	0.93560928	0.95118868	0.86052209
## 6494	99.88743	0.197939858	0.43101492	0.47559121	0.42384961
## 6495	99.91220	0.020359281	0.56862634	0.57648706	0.68054885
## 6496	99.53147	0.026536630	0.75524616	0.77286303	0.82756931
## 6497	99.93806	0.210075691	0.40497935	0.37132189	0.37970534
## 6498	99.99609	0.003759491	0.42263308	0.46237847	0.43498418
## 6499	97.93690	0.042749204	0.63213366	0.60398889	0.69732195
## 6500	97.60185	0.010686546	0.44517058	0.50083089	0.51087713
## 6501	96.95681	0.357445300	0.45371017	0.46430835	0.64371914
## 6502	99.54066	0.150397599	0.34456265	0.34269479	0.55941021
## 6503	99.91354	0.019547611	0.54868096	0.59400368	0.47418427
## 6504	99.99123	0.443022132	0.56575090	0.58686483	0.68629348
## 6505	96.41491	0.405655503	0.52259284	0.55857342	0.74301285
## 6506	99.69069	0.008429925	0.30935186	0.30692193	0.46342179
## 6507	96.37473	0.196109995	0.46913606	0.49567062	0.56720811
## 6508	99.98476	0.141150579	0.46690357	0.50579452	0.55446845
## 6509	99.84042	0.000028100	0.44529259	0.39216289	0.54262286
## 6510	99.90384	0.094877832	0.51150596	0.50714254	0.65412915
## 6511	99.18752	0.000030700	0.17028242	0.15597764	0.25221255

## 6512	99.49470	0.050708186	0.54828697	0.55384213	0.69431102
## 6513	99.80082	0.074413836	0.46062919	0.54293448	0.64715022
## 6514	98.26629	0.543569446	0.75523531	0.81513524	0.81074727
## 6515	97.94655	0.156577393	0.52970815	0.61755741	0.67892772
## 6516	99.97644	0.032123458	0.40048721	0.40156278	0.64059979
## 6517	99.98643	0.016206997	0.29335770	0.24472880	0.50785518
## 6518	99.98552	0.018000141	0.38745213	0.34604031	0.59913862
## 6519	99.84596	0.097738378	0.70477045	0.76812595	0.83457071
## 6520	99.69784	0.196155652	0.40765908	0.36425325	0.52458173
## 6521	99.89135	0.051870238	0.62747765	0.65340340	0.72492570
## 6522	99.87613	0.258227646	0.59624726	0.63468498	0.76945114
## 6523	99.59012	0.009168440	0.64741987	0.75901157	0.79460973
## 6524	97.35199	0.143240631	0.53675777	0.62158358	0.48782381
## 6525	99.86266	0.146241158	0.58586514	0.62809211	0.68896967
## 6526	99.74759	0.078344584	0.56784761	0.59051299	0.76917642
## 6527	99.94187	0.042197518	0.68547249	0.71103716	0.76798069
## 6528	99.85400	0.781189799	0.51979548	0.63103664	0.51521719
## 6529	99.88331	0.332370609	0.61450779	0.69368494	0.69596857
## 6530	99.88911	0.015119093	0.36197364	0.34900758	0.48997959
## 6531	97.37547	0.119387560	0.42555505	0.46460238	0.51796889
## 6532	99.97001	0.378668666	0.41528344	0.36024716	0.50498140
## 6533	99.95430	0.007415378	0.57642174	0.58928055	0.70626384
## 6534	98.86447	0.325720400	0.40287116	0.40189972	0.63410228
## 6535	97.29863	0.044661205	0.58867133	0.59656650	0.69819695
## 6536	99.25850	0.156851396	0.58981520	0.72288883	0.59529662
## 6537	99.82835	0.267051280	0.29203922	0.31014240	0.36588454
## 6538	99.77816	0.037694566	0.73659885	0.72168589	0.74863857
## 6539	99.94434	0.009029431	0.60990870	0.66694504	0.76350421
## 6540	96.33634	0.467072845	0.48395029	0.51237553	0.68727082
## 6541	99.93116	0.000255120	0.38952577	0.34188396	0.52888393
## 6542	99.65337	0.010996548	0.72976816	0.78591323	0.88475883
## 6543	99.41048	0.010245561	0.55943805	0.54364401	0.67417699
## 6544	96.98356	0.010060411	0.45344073	0.50661957	0.64353633
## 6545	99.99737	0.522261441	0.55949771	0.61773890	0.67334151
## 6546	99.77768	0.038895190	0.41822168	0.37995142	0.54184896
## 6547	99.95848	0.647180498	0.47877008	0.48124725	0.66573691
## 6548	99.49432	0.340884030	0.35394803	0.30490786	0.56419378
## 6549	99.94594	0.002206281	0.35305858	0.31362417	0.55603707
## 6550	99.96697	0.362650603	0.68587965	0.73204392	0.75597507
## 6551	97.36813	0.018719435	0.37225357	0.41728476	0.43548277
## 6552	99.97999	0.003489759	0.48527142	0.57791579	0.67596740
## 6553	98.77742	0.772495568	0.51854294	0.57405186	0.63484555
## 6554	99.15009	0.000059700	0.18474223	0.15196915	0.40499184
## 6555	97.05808	0.035338666	0.84829217	0.87294847	0.93142503
## 6556	99.99526	0.298725903	0.47295123	0.55207640	0.57505786
## 6557	95.03215	0.211338267	0.57719648	0.68478233	0.82378596
## 6558	99.96233	0.342727810	0.55031896	0.52923989	0.63083053
## 6559	99.11967	0.000004620	0.16673766	0.12925637	0.33350882
## 6560	97.14266	0.143715590	0.55535954	0.61737728	0.45847464
## 6561	97.43550	0.014324808	0.77156842	0.79420507	0.81981152
## 6562	94.97044	0.011963601	0.65029240	0.74867105	0.75965917
## 6563	99.69688	0.000319512	0.50419283	0.48854804	0.69149280
## 6564	97.82695	0.060216188	0.65934169	0.61668557	0.68749702
## 6565	99.99857	0.219374686	0.35498485	0.47058943	0.42707902

## 6566	99.94869	0.295781761	0.64998394	0.68632936	0.77492905
## 6567	95.28003	0.026392991	0.63790882	0.65928662	0.82185531
## 6568	99.12956	0.000082900	0.22897313	0.18961074	0.29590946
## 6569	99.92135	0.005119192	0.58895588	0.63598192	0.48490223
## 6570	98.70482	0.421056628	0.46008074	0.43734202	0.63642347
## 6571	99.99042	0.039270926	0.52390742	0.60044241	0.65783256
## 6572	99.89612	0.055638567	0.66164982	0.73156953	0.81360394
## 6573	99.97868	0.004165005	0.64941669	0.78340393	0.93489683
## 6574	99.75847	0.021611316	0.67524069	0.75980079	0.81821191
## 6575	99.96993	0.096837260	0.34001869	0.33231199	0.58116877
## 6576	99.25547	0.788463652	0.78803015	0.88147485	0.65593064
## 6577	99.93840	0.019512862	0.53805727	0.52313292	0.64412987
## 6578	99.83175	0.052537434	0.49565491	0.54310501	0.59831464
## 6579	99.17547	0.535524309	0.36194262	0.36509091	0.58085376
## 6580	99.99429	0.053876445	0.56917363	0.56735218	0.75560373
## 6581	99.07629	0.006834810	0.51503223	0.48983982	0.70040107
## 6582	99.95219	0.665206313	0.50394237	0.55860829	0.66109216
## 6583	99.66047	0.027231861	0.47265136	0.52405709	0.65288663
## 6584	98.53019	0.017040681	0.63896954	0.67432898	0.50145525
## 6585	98.36752	0.001090387	0.72374666	0.72908646	0.76294512
## 6586	99.62681	0.138355225	0.52232325	0.59992731	0.64184022
## 6587	99.73187	0.336595595	0.56378096	0.65455520	0.69710547
## 6588	97.18178	0.002318149	0.46113369	0.49686864	0.39938465
## 6589	97.29798	0.160374567	0.44707418	0.46143946	0.66477573
## 6590	99.90071	0.469113588	0.58444941	0.72188920	0.78142172
## 6591	99.98132	0.240237400	0.44802549	0.43820274	0.45303589
## 6592	99.29144	0.000057200	0.17117439	0.14716157	0.31207725
## 6593	99.43330	0.236383572	0.36593115	0.50531954	0.42985660
## 6594	99.42100	0.122791655	0.59978664	0.54213780	0.68563485
## 6595	99.19742	0.113849632	0.80077058	0.79671693	0.82700211
## 6596	99.75726	0.013187027	0.49838042	0.52574354	0.62589145
## 6597	94.32533	0.167645678	0.61526024	0.74758786	0.72247899
## 6598	99.97884	0.430132747	0.29005724	0.23890664	0.49598670
## 6599	99.99208	0.004525995	0.60946530	0.60911429	0.72434807
## 6600	98.18762	0.000458765	0.34553847	0.35868853	0.39008844
## 6601	99.99611	0.007912485	0.35389534	0.31749034	0.53331447
## 6602	99.68251	0.810942173	0.55967742	0.62555808	0.55629784
## 6603	99.84578	0.013933658	0.77550358	0.74905485	0.76055109
## 6604	99.87543	0.026994629	0.55365270	0.55205035	0.62154424
## 6605	99.94059	0.030293524	0.49728486	0.43557391	0.59263247
## 6606	99.89057	0.050757211	0.31430930	0.28485066	0.49148482
## 6607	99.95365	0.510838389	0.72671896	0.78578264	0.80323029
## 6608	99.57519	0.020507518	0.52146441	0.65036452	0.66107500
## 6609	99.71425	0.192375556	0.60603571	0.64238697	0.75612831
## 6610	99.96570	0.052974284	0.82258910	0.83607089	0.85791093
## 6611	99.71762	0.000009270	0.21077253	0.16996531	0.44042015
## 6612	96.71944	0.000015300	0.31885743	0.28166860	0.41999042
## 6613	99.70727	0.867472708	0.31955713	0.29143083	0.54126900
## 6614	99.81271	0.620434701	0.44189394	0.44668835	0.42867011
## 6615	99.81630	0.731742740	0.36155129	0.38990164	0.43249023
## 6616	99.70106	0.003503951	0.34067044	0.44569680	0.43731993
## 6617	99.23192	0.037318822	0.61414188	0.67350000	0.77537429
## 6618	99.99177	0.020245465	0.17118238	0.15734732	0.21716089
## 6619	99.93828	0.176735908	0.65640265	0.67684782	0.75423229

## 6620	99.89354	0.837664008	0.42722461	0.52859646	0.50286692
## 6621	99.73832	0.101175562	0.63951623	0.72067100	0.73528248
## 6622	99.87689	0.849620938	0.54427016	0.64710945	0.55535895
## 6623	99.95275	0.008880945	0.69509232	0.73524267	0.78139597
## 6624	97.26178	0.009437371	0.20818427	0.19008656	0.35151860
## 6625	99.85147	0.000721291	0.47365588	0.49448893	0.66689366
## 6626	98.79673	0.000002570	0.14329612	0.11399449	0.12668929
## 6627	99.95271	0.192625061	0.42300636	0.54165977	0.43332139
## 6628	99.18104	0.020294458	0.80118936	0.78246772	0.78429455
## 6629	99.87505	0.024880890	0.44345018	0.39913562	0.55648714
## 6630	99.85208	0.030528625	0.35108021	0.30844024	0.32701850
## 6631	99.82856	0.000024100	0.28189149	0.22608669	0.47701460
## 6632	99.56286	0.011652254	0.45924902	0.40857551	0.54333907
## 6633	99.85667	0.993614852	0.31909558	0.29897079	0.30460730
## 6634	98.96449	0.210092410	0.69003689	0.78789789	0.67491400
## 6635	99.67922	0.000008910	0.18399434	0.18586026	0.39271435
## 6636	99.98067	0.697755337	0.30466238	0.28811076	0.28512463
## 6637	99.72995	0.005310697	0.72801357	0.81199360	0.93785918
## 6638	96.84555	0.016690742	0.78180456	0.84703052	0.92351216
## 6639	99.39964	0.871504605	0.32512319	0.28765339	0.26615667
## 6640	99.81160	0.021152282	0.26273274	0.23998697	0.26775989
## 6641	99.87523	0.262482136	0.78209799	0.73348117	0.74029297
## 6642	99.49842	0.012226056	0.44192174	0.42156288	0.58435762
## 6643	99.94815	0.245797411	0.72200447	0.72126740	0.80259436
## 6644	99.93012	0.006305719	0.31542343	0.34813294	0.54286474
## 6645	99.88561	0.008893497	0.61314470	0.65296286	0.82162786
## 6646	99.81819	0.000004610	0.17060553	0.13963294	0.38390797
## 6647	99.52267	0.000097200	0.83391756	0.85267842	0.78310746
## 6648	99.89513	0.080465443	0.75563932	0.81273866	0.89732611
## 6649	99.75858	0.115176231	0.56790125	0.61252439	0.74250746
## 6650	99.93893	0.093536936	0.67098653	0.74033248	0.81425035
## 6651	99.93475	0.016947618	0.56031644	0.53397262	0.64348340
## 6652	99.99787	0.092122585	0.52940583	0.52948117	0.72039938
## 6653	99.99012	0.019152634	0.71156341	0.71300286	0.83917123
## 6654	99.76325	0.001549746	0.25966963	0.21132912	0.33972046
## 6655	99.92422	0.692130983	0.62318325	0.76065821	0.68853205
## 6656	97.65059	0.000221931	0.35998791	0.37431952	0.39771876
## 6657	99.94872	0.342712432	0.64012426	0.74743760	0.75866961
## 6658	99.90463	0.142692149	0.42317811	0.51139474	0.70175767
## 6659	99.47831	0.003898244	0.50560039	0.56812429	0.72585016
## 6660	99.98981	0.051688116	0.66320270	0.66557348	0.74214137
## 6661	99.65916	0.000347753	0.35033920	0.43657234	0.52051657
## 6662	99.94819	0.218036070	0.64266342	0.67900658	0.78560054
## 6663	99.98734	0.080790363	0.61274219	0.60315239	0.70716733
## 6664	99.88546	0.000014700	0.31730846	0.25206768	0.46079692
## 6665	99.97432	0.103340484	0.62399006	0.64007115	0.79899192
## 6666	99.37253	0.068490699	0.46735910	0.49459997	0.65063930
## 6667	99.97407	0.012197315	0.31357643	0.35847101	0.44993010
## 6668	99.85427	0.000686739	0.77495486	0.77071559	0.80000889
## 6669	98.65125	0.020163925	0.35149917	0.41498065	0.40571064
## 6670	99.93206	0.096410453	0.33520365	0.28264520	0.36217850
## 6671	99.47963	0.149794295	0.71896738	0.77203900	0.88661218
## 6672	99.91512	0.834866941	0.44830576	0.56565756	0.54825938
## 6673	99.94225	0.000870054	0.24895054	0.22916947	0.48686603

## 6674	99.66893	0.319038272	0.61215568	0.57465219	0.71860457
## 6675	99.88470	0.895597279	0.61161482	0.65209067	0.47242639
## 6676	99.54883	0.062904291	0.60341954	0.60359538	0.71769202
## 6677	99.80087	0.296469182	0.62571031	0.65378040	0.77681172
## 6678	99.97334	0.149306789	0.36565059	0.35369849	0.55008364
## 6679	99.88443	0.000689105	0.84186792	0.81619179	0.82455528
## 6680	99.93366	0.200924456	0.38731006	0.35638464	0.38574603
## 6681	99.32338	0.414649844	0.68071032	0.72605246	0.83656377
## 6682	99.30955	0.403663158	0.58910656	0.55766892	0.69917178
## 6683	99.93805	0.087289073	0.64322174	0.72549248	0.74566257
## 6684	99.90167	0.000172462	0.24702865	0.20969760	0.50954890
## 6685	99.72302	0.001803495	0.64268339	0.63545066	0.71349001
## 6686	99.94838	0.006838723	0.68136638	0.71769440	0.85043711
## 6687	97.48897	0.005557032	0.70620179	0.75458443	0.87253147
## 6688	99.97875	0.142240509	0.38354349	0.38601941	0.59193045
## 6689	99.90994	0.012848251	0.68146098	0.74704146	0.68222249
## 6690	99.05620	0.011613566	0.34779176	0.32007152	0.49143299
## 6691	99.98303	0.002483821	0.61679453	0.66831362	0.78441870
## 6692	99.80740	0.000114352	0.31705415	0.29982382	0.47830954
## 6693	99.95672	0.030017424	0.46142563	0.40631145	0.53818494
## 6694	99.94009	0.077028163	0.56614357	0.58371604	0.73557967
## 6695	99.52779	0.861285627	0.55796510	0.69822723	0.68729806
## 6696	99.61126	0.735125303	0.48417759	0.57685858	0.53813952
## 6697	99.82273	0.000024400	0.21975991	0.20797454	0.51363236
## 6698	99.95152	0.693279564	0.40734780	0.33181623	0.43396971
## 6699	99.78741	0.003754567	0.18885933	0.16462107	0.28674299
## 6700	99.96626	0.216606528	0.42861798	0.48718557	0.45980325
## 6701	99.98236	0.000011600	0.40047309	0.33633912	0.54852790
## 6702	99.39510	0.067699976	0.75569582	0.78854972	0.87741226
## 6703	99.76588	0.373154044	0.28044197	0.29356489	0.45992574
## 6704	99.93702	0.000016200	0.22944340	0.17819069	0.42975071
## 6705	95.87504	0.607003093	0.50335753	0.59925520	0.66765094
## 6706	99.96112	0.191434905	0.48491579	0.44396055	0.60589749
## 6707	99.74600	0.005114655	0.23538278	0.19806133	0.35084811
## 6708	99.97815	0.304142952	0.74293953	0.74770498	0.77286571
## 6709	99.88938	0.950434625	0.32269719	0.23720884	0.45005068
## 6710	99.96976	0.033802941	0.32040626	0.31418845	0.46031356
## 6711	99.83948	0.004382444	0.32409355	0.26513076	0.45825997
## 6712	99.91565	0.689881325	0.31404847	0.33998880	0.29757830
## 6713	99.99874	0.005437870	0.54196614	0.56518531	0.75999904
## 6714	99.84720	0.016273959	0.31069753	0.30404863	0.43296444
## 6715	98.65903	0.149679497	0.75418472	0.83593625	0.93682903
## 6716	99.97877	0.507992566	0.47831106	0.43005326	0.58830327
## 6717	98.29696	0.134364054	0.41960001	0.40768305	0.34330612
## 6718	99.98568	0.005860076	0.45740056	0.49307641	0.63429981
## 6719	99.92657	0.363473713	0.47765839	0.42806718	0.57547921
## 6720	99.34248	0.956208050	0.12934905	0.11002711	0.19230439
## 6721	99.94952	0.070075728	0.69129521	0.64187366	0.73775363
## 6722	99.19748	0.267514229	0.65416318	0.71324360	0.81292891
## 6723	98.79562	0.005049304	0.54337525	0.65925813	0.60210419
## 6724	99.94853	0.077994801	0.76573336	0.82344633	0.92553508
## 6725	99.84413	0.108076379	0.38030347	0.46203810	0.47628006
## 6726	99.96308	0.000305318	0.34478930	0.33141580	0.57675683
## 6727	99.28633	0.003322075	0.40006885	0.44131032	0.45010057

## 6728	99.87637	0.000042800	0.49889928	0.45723411	0.61820459
## 6729	99.44520	0.058530129	0.61739039	0.76856786	0.84127283
## 6730	99.83506	0.468840897	0.45234099	0.53313273	0.64937139
## 6731	99.96949	0.394169509	0.39805481	0.49438307	0.59271592
## 6732	99.95946	0.189166769	0.64335895	0.70060658	0.75067848
## 6733	99.91236	0.873315930	0.10928049	0.07937070	0.10357074
## 6734	99.82571	0.983531415	0.25283214	0.26052675	0.26654020
## 6735	99.99109	0.004895173	0.63099581	0.66877562	0.82930344
## 6736	99.99503	0.042113740	0.40857041	0.35734910	0.53056157
## 6737	99.89943	0.017090516	0.51472193	0.50070262	0.71143538
## 6738	99.54868	0.654967248	0.42857957	0.45368573	0.41064504
## 6739	99.93814	0.586250901	0.56263989	0.73021972	0.70719218
## 6740	99.99250	0.171913892	0.60773736	0.68370062	0.62414813
## 6741	99.93144	0.451341599	0.50733638	0.38893998	0.54313576
## 6742	99.99575	0.020465983	0.84641033	0.85338837	0.84537065
## 6743	99.91923	0.302000403	0.32918751	0.30369908	0.54830116
## 6744	99.82018	0.759563506	0.63421279	0.75496417	0.74727136
## 6745	99.96175	0.001659481	0.26207352	0.26180378	0.53970456
## 6746	99.97061	0.009609659	0.60849082	0.69198746	0.74152803
## 6747	99.90075	0.001066476	0.24015261	0.22609103	0.39814785
## 6748	99.77720	0.550147355	0.76874429	0.86409861	0.78887773
## 6749	99.70070	0.000070300	0.29819977	0.25841108	0.50981009
## 6750	98.72262	0.073675200	0.65355623	0.65154010	0.78272027
## 6751	99.87604	0.920151055	0.37448066	0.41956475	0.45562234
## 6752	99.80929	0.202968433	0.50021392	0.56495488	0.70387542
## 6753	99.91750	0.113981418	0.30585828	0.29504630	0.35842070
## 6754	99.99725	0.079637036	0.35747555	0.36775467	0.54135239
## 6755	99.93713	0.096302442	0.58003527	0.66352248	0.74882573
## 6756	99.55657	0.205519423	0.62049371	0.71869612	0.71895486
## 6757	99.80924	0.412657470	0.24364628	0.23967291	0.39914078
## 6758	99.90697	0.017298184	0.19439535	0.14024258	0.33378297
## 6759	99.93436	0.000028400	0.33994317	0.30094776	0.42018396
## 6760	99.87282	0.008165788	0.32033446	0.29293630	0.55055135
## 6761	99.86625	0.001321419	0.41740283	0.36827740	0.47498393
## 6762	99.89431	0.938916504	0.51289159	0.67097145	0.62466800
## 6763	99.95532	0.002149299	0.53435087	0.55053639	0.64358926
## 6764	99.94770	0.227588892	0.45845878	0.60790002	0.67642546
## 6765	99.96093	0.117937103	0.54244137	0.48328307	0.62545914
## 6766	99.87848	0.937324643	0.47216207	0.60432816	0.57685929
## 6767	99.83257	0.002916006	0.23182499	0.21472025	0.45705771
## 6768	99.84309	0.391517937	0.66841632	0.66359240	0.74660045
## 6769	96.30632	0.771301031	0.63416541	0.74758267	0.70232284
## 6770	99.69388	0.608749688	0.41367349	0.42536879	0.60596549
## 6771	99.59282	0.019019857	0.79487824	0.84252793	0.91061306
## 6772	98.76437	0.031666491	0.32802448	0.32655132	0.36587778
## 6773	99.87759	0.905214071	0.54985184	0.67633945	0.60929155
## 6774	99.96108	0.021973114	0.37392276	0.44027060	0.38327831
## 6775	99.87899	0.033356946	0.63323963	0.72992068	0.74395579
## 6776	99.98820	0.362307996	0.32485267	0.35909385	0.60967976
## 6777	99.68679	0.000118596	0.27052569	0.25180367	0.44652110
## 6778	99.96431	0.382631361	0.42874494	0.37998891	0.59838885
## 6779	99.52364	0.000074900	0.42838976	0.38602078	0.35187802
## 6780	99.29606	0.000668498	0.73444957	0.77794617	0.87706083
## 6781	99.34591	0.399474680	0.34355858	0.42046156	0.39389822

## 6782	99.78955	0.108874314	0.59312964	0.69263822	0.62533140
## 6783	98.29691	0.240406513	0.83161539	0.87019813	0.91477764
## 6784	99.90399	0.707142055	0.13070804	0.09933999	0.09630773
## 6785	99.55196	0.515864134	0.33170468	0.27776039	0.20018323
## 6786	99.56331	0.053194653	0.56141639	0.64031762	0.75609434
## 6787	99.98261	0.001082884	0.44574663	0.39549413	0.59699929
## 6788	99.92005	0.851782024	0.20772389	0.15197125	0.17858984
## 6789	99.99260	0.065397628	0.51902270	0.49953917	0.71739608
## 6790	99.96387	0.552920401	0.51756734	0.56633520	0.44639113
## 6791	99.98343	0.254986972	0.49431294	0.56170040	0.62912714
## 6792	99.99665	0.218149647	0.52582884	0.49381456	0.57089359
## 6793	98.36008	0.000233548	0.39037186	0.38810408	0.58779430
## 6794	99.98811	0.014247862	0.65529126	0.67248309	0.82231921
## 6795	99.95246	0.147293285	0.40047368	0.45850721	0.60104018
## 6796	99.54847	0.057670806	0.37261072	0.39272171	0.50931913
## 6797	99.85703	0.840385318	0.35747415	0.34871227	0.53096777
## 6798	99.92358	0.226996481	0.53172749	0.56548798	0.69822282
## 6799	99.75198	0.010644722	0.57835978	0.55794245	0.66899359
## 6800	99.99149	0.020704744	0.46356931	0.45275033	0.60343170
## 6801	99.97925	0.000892093	0.20778349	0.19862320	0.27273822
## 6802	99.95901	0.500068426	0.68894309	0.66661137	0.81870049
## 6803	99.79283	0.070477463	0.70201868	0.73130876	0.85378468
## 6804	98.91300	0.008495633	0.50107324	0.51927394	0.70045787
## 6805	99.98113	0.001199393	0.24282458	0.23390186	0.44787413
## 6806	99.83243	0.096663907	0.54795992	0.57191926	0.65663922
## 6807	98.81318	0.209458739	0.24445239	0.20923983	0.36903802
## 6808	99.88946	0.185750589	0.33475658	0.31945619	0.55244267
## 6809	99.47386	0.022097608	0.50882864	0.53576869	0.61044234
## 6810	99.39680	0.000104882	0.33914727	0.33491591	0.36084572
## 6811	99.99061	0.086166970	0.45878720	0.44192401	0.67969304
## 6812	93.23963	0.045809854	0.31635383	0.35389021	0.41324544
## 6813	99.90237	0.065172605	0.22228761	0.20499173	0.35906312
## 6814	99.96790	0.000204489	0.24234316	0.22794065	0.19926818
## 6815	99.98768	0.460803628	0.48309848	0.45755896	0.67593062
## 6816	99.91694	0.609981596	0.58525765	0.60063279	0.70407349
## 6817	99.92404	0.093465105	0.43708476	0.51897609	0.44550911
## 6818	99.43961	0.001172456	0.54052204	0.51944584	0.72007102
## 6819	99.89226	0.001084013	0.50266665	0.50143111	0.69196844
## 6820	99.74691	0.009659544	0.59733057	0.58149272	0.66532993
## 6821	99.95490	0.000187856	0.26973847	0.26178563	0.41654742
## 6822	99.54632	0.178574309	0.55348879	0.58082795	0.68948329
## 6823	99.97788	0.055896491	0.32926831	0.32987657	0.53218204
## 6824	99.94186	0.001086570	0.24705568	0.20933667	0.46695748
## 6825	99.97209	0.015177452	0.38439950	0.45286965	0.42433304
## 6826	99.32441	0.000008360	0.24433733	0.20560610	0.16020353
## 6827	99.61082	0.208525226	0.42412624	0.51441026	0.59191811
## 6828	99.92530	0.099493720	0.67059094	0.59772354	0.65967047
## 6829	97.37574	0.020484641	0.48977631	0.50538826	0.50398970
## 6830	99.99250	0.016474802	0.52660751	0.52396965	0.66754240
## 6831	99.89192	0.106367067	0.79408014	0.83769405	0.89759839
## 6832	99.91748	0.020683007	0.38737962	0.47112402	0.45456046
## 6833	99.87426	0.017770423	0.41137537	0.44566730	0.56897318
## 6834	99.99319	0.010770511	0.46504688	0.44853687	0.61980116
## 6835	99.67136	0.000114520	0.15016222	0.13448574	0.31029507

## 6836	99.73384	0.000033000	0.21273385	0.17590667	0.17130570
## 6837	99.71585	0.002684184	0.45490041	0.50692821	0.68414175
## 6838	99.81294	0.836595833	0.43475422	0.52327925	0.43369961
## 6839	99.92523	0.064855233	0.42694521	0.42866152	0.53630108
## 6840	99.66021	0.001342533	0.46690333	0.51966667	0.68508261
## 6841	99.96260	0.028473966	0.38712341	0.45194191	0.47895056
## 6842	99.37568	0.915854156	0.35763389	0.29278350	0.37365353
## 6843	99.99614	0.047081288	0.85589504	0.89338922	0.92726296
## 6844	98.85293	0.054579251	0.56122190	0.68108433	0.56629461
## 6845	99.60245	0.317638844	0.66972417	0.72593552	0.77404743
## 6846	99.78879	0.148932397	0.56124550	0.51673084	0.71019298
## 6847	99.26513	0.098016918	0.69059831	0.76408857	0.63079679
## 6848	99.98982	0.608290255	0.47970891	0.54778278	0.61010295
## 6849	99.86541	0.228058681	0.43980047	0.41498077	0.64293128
## 6850	99.87009	0.249861240	0.60257548	0.63342840	0.77321303
## 6851	99.99236	0.046438240	0.54213738	0.65803283	0.63729894
## 6852	99.78232	0.101762965	0.41879687	0.37645963	0.56927741
## 6853	99.97836	0.438828349	0.40647888	0.45293570	0.57593298
## 6854	99.83799	0.166716233	0.48704019	0.44892591	0.65576261
## 6855	99.92338	0.031129899	0.39335424	0.39965370	0.33173981
## 6856	99.86715	0.000011100	0.34652403	0.31998941	0.55570316
## 6857	99.51092	0.016032470	0.56822604	0.64557284	0.71847260
## 6858	97.78011	0.079790331	0.31228888	0.28839540	0.47656211
## 6859	99.99254	0.402589470	0.60635012	0.62761557	0.76394606
## 6860	99.95314	0.675651848	0.36917570	0.42439237	0.37731406
## 6861	99.96032	0.000578317	0.28321978	0.24593483	0.40743631
## 6862	99.90560	0.003157569	0.32947907	0.28791380	0.53550154
## 6863	99.65075	0.386006624	0.62999225	0.66364163	0.79893351
## 6864	99.86077	0.002334650	0.52525514	0.57728332	0.48848310
## 6865	99.57017	0.014775600	0.29206237	0.25104895	0.50730264
## 6866	99.85664	0.010051054	0.24146706	0.22579356	0.38491294
## 6867	99.95111	0.105063930	0.60619146	0.65857673	0.75693411
## 6868	99.46702	0.574282289	0.39931047	0.44535857	0.44626060
## 6869	99.98475	0.000472779	0.24833521	0.21072882	0.48932639
## 6870	98.67927	0.319493532	0.66598594	0.76112038	0.80192715
## 6871	99.89232	0.802389681	0.48915765	0.61172372	0.56661826
## 6872	99.95022	0.871226847	0.41239694	0.40845123	0.35202163
## 6873	99.94321	0.001091455	0.56071156	0.63100016	0.76422739
## 6874	99.99618	0.694368958	0.39377409	0.42734104	0.52643651
## 6875	99.89915	0.010518515	0.31609207	0.29474992	0.33521000
## 6876	99.75454	0.412401408	0.48015788	0.50848287	0.56005567
## 6877	99.98349	0.884308457	0.39551324	0.43333167	0.63082564
## 6878	99.80887	0.000049600	0.21685149	0.18557134	0.37761611
## 6879	99.07356	0.303204119	0.53807759	0.62173700	0.68552536
## 6880	99.92086	0.824834168	0.49121946	0.62691390	0.59285140
## 6881	99.97607	0.003613082	0.32758278	0.32617781	0.56183773
## 6882	99.96211	0.114948779	0.35280731	0.35516477	0.48212051
## 6883	99.85008	0.000164219	0.32235175	0.29015443	0.48540434
## 6884	99.92778	0.031502306	0.73384595	0.74820632	0.75553960
## 6885	99.94209	0.186498672	0.58782697	0.61997986	0.73836118
## 6886	99.92432	0.008230895	0.33477551	0.30034506	0.47475871
## 6887	99.86680	0.000211534	0.35441348	0.32532707	0.34844211
## 6888	99.62554	0.274765521	0.54392690	0.57252783	0.66354233
## 6889	99.95899	0.449624598	0.45928383	0.50396824	0.65870333

## 6890	98.75406	0.795024812	0.54517490	0.52970171	0.65154892
## 6891	99.32661	0.079803288	0.68316317	0.72342753	0.80885422
## 6892	99.87835	0.053542137	0.40881231	0.41399538	0.62672925
## 6893	99.99824	0.062662415	0.54202431	0.62667310	0.50826651
## 6894	99.75737	0.020108821	0.41894466	0.44158447	0.54891545
## 6895	99.90888	0.000296241	0.22926381	0.21484050	0.35283458
## 6896	99.91927	0.033217665	0.62559837	0.72742206	0.82367146
## 6897	99.29213	0.000106365	0.24394169	0.24690831	0.54820180
## 6898	99.63568	0.000272939	0.30567583	0.26500675	0.42675054
## 6899	99.51973	0.000919950	0.26411265	0.28373843	0.33355272
## 6900	97.24520	0.000900441	0.17557915	0.16517533	0.17919540
## 6901	99.90872	0.000199169	0.29282388	0.29397526	0.50843805
## 6902	98.91889	0.418056697	0.44934899	0.44515732	0.55950934
## 6903	99.95430	0.020476675	0.32953748	0.32849497	0.54091692
## 6904	98.35077	0.004819356	0.47129670	0.45905957	0.63753885
## 6905	99.62029	0.000017400	0.34579730	0.29827768	0.54626083
## 6906	99.88293	0.274902463	0.54762197	0.53955334	0.73526734
## 6907	99.93995	0.599936843	0.52933925	0.60972613	0.67370451
## 6908	98.31973	0.287268519	0.58613133	0.57432461	0.71123445
## 6909	99.48922	0.000043800	0.29362374	0.24597727	0.23390585
## 6910	99.98836	0.145881027	0.55674767	0.58753943	0.71989733
## 6911	99.99752	0.882445276	0.36440644	0.39792919	0.59157246
## 6912	99.80633	0.325176835	0.53198654	0.62093610	0.62242907
## 6913	99.91624	0.035539038	0.51146203	0.50054395	0.70189118
## 6914	99.72637	0.003226958	0.57842773	0.61287385	0.77099764
## 6915	99.36462	0.037636299	0.45056233	0.54578674	0.64084101
## 6916	99.94671	0.007100099	0.65373331	0.59291297	0.70828921
## 6917	99.89520	0.000049700	0.26698294	0.24973579	0.31855056
## 6918	99.75579	0.422407448	0.45871836	0.49406683	0.63075930
## 6919	99.58734	0.170031294	0.47298512	0.51704436	0.71651673
## 6920	99.91103	0.167489737	0.47523874	0.40779200	0.54900300
## 6921	99.99009	0.001215239	0.28219163	0.28749824	0.57995820
## 6922	99.27988	0.353045493	0.34836760	0.36965764	0.36623448
## 6923	99.99423	0.005451275	0.54520214	0.61221266	0.80014360
## 6924	99.80087	0.075380877	0.42256102	0.45319852	0.59655112
## 6925	99.82558	0.029328099	0.49378538	0.62119961	0.61861122
## 6926	99.98749	0.030831095	0.61089998	0.59324986	0.74183607
## 6927	99.89033	0.515626132	0.49763146	0.51638371	0.58134311
## 6928	99.79823	0.117403388	0.63589019	0.73307061	0.58790875
## 6929	99.40312	0.000013000	0.31881651	0.26614189	0.54596561
## 6930	98.74533	0.113228582	0.46694323	0.62083453	0.59108967
## 6931	98.42016	0.360118806	0.67704248	0.72215897	0.80379081
## 6932	99.72292	0.015757410	0.47043315	0.47179863	0.66523445
## 6933	99.85732	0.825805902	0.53554040	0.62981039	0.47904605
## 6934	99.93710	0.546948254	0.25678733	0.28298512	0.38348257
## 6935	98.80178	0.830652535	0.39750215	0.39147910	0.62468225
## 6936	99.99054	0.020599613	0.33117735	0.28881571	0.44552949
## 6937	98.62069	0.450058162	0.25245896	0.23225900	0.26115117
## 6938	96.56924	0.014561744	0.50816351	0.50622410	0.58984035
## 6939	99.93608	0.280586600	0.51134467	0.47174954	0.65697485
## 6940	99.96381	0.247764796	0.38651893	0.31770220	0.46445623
## 6941	99.98637	0.001828487	0.41451865	0.38890949	0.61123705
## 6942	99.36565	0.758841991	0.41156760	0.49237028	0.48920104
## 6943	99.33050	0.001431033	0.35239744	0.35961121	0.59329295

## 6944	99.97967	0.019056665	0.46465775	0.45200366	0.66753411
## 6945	99.47249	0.567976594	0.46038166	0.44175509	0.66902453
## 6946	99.91713	0.000219476	0.81013167	0.85197920	0.91263628
## 6947	99.92138	0.043210495	0.45699999	0.55639821	0.54249668
## 6948	99.98648	0.446045190	0.39329615	0.40612227	0.59280646
## 6949	99.36397	0.034270994	0.64543420	0.65771681	0.73562163
## 6950	99.72974	0.087765932	0.55370206	0.59000069	0.47591460
## 6951	93.30781	0.121710934	0.58707839	0.64467925	0.63520145
## 6952	99.27523	0.026253900	0.67008537	0.75876051	0.82374674
## 6953	99.80155	0.000004170	0.25319290	0.23168556	0.51652575
## 6954	99.92563	0.776142776	0.47062349	0.59943533	0.56135917
## 6955	99.80807	0.329184771	0.15532920	0.11353350	0.25201601
## 6956	99.18574	0.001707100	0.34111986	0.45543051	0.38583714
## 6957	99.84623	0.891060948	0.48100519	0.58815342	0.56532848
## 6958	99.94118	0.836213231	0.48068363	0.50237936	0.64335114
## 6959	99.93553	0.268434644	0.48928377	0.54253328	0.64058983
## 6960	99.99880	0.000106794	0.68138021	0.82610601	0.76627684
## 6961	99.81970	0.009527873	0.45201004	0.55806464	0.56588841
## 6962	99.69676	0.011150667	0.24845339	0.24023072	0.43119717
## 6963	99.96584	0.619420826	0.60237467	0.70974296	0.73590034
## 6964	99.95987	0.005571714	0.62021321	0.71009707	0.83125049
## 6965	99.91894	0.000006920	0.22125891	0.19285594	0.34317696
## 6966	99.60336	0.000011900	0.17496732	0.16665445	0.29347423
## 6967	99.29812	0.004114950	0.39033142	0.32554081	0.53647208
## 6968	91.66665	0.045687057	0.53044367	0.52112782	0.61355191
## 6969	99.88389	0.847933948	0.36044878	0.33048141	0.36646178
## 6970	99.98695	0.107415833	0.19011816	0.16470674	0.31753910
## 6971	99.93870	0.093403637	0.76270831	0.75920928	0.84178984
## 6972	99.57418	0.000088600	0.28375310	0.24055071	0.52847880
## 6973	99.85368	0.236622915	0.23081320	0.18552186	0.35617498
## 6974	99.97943	0.007905177	0.30706513	0.29790971	0.53925365
## 6975	99.45138	0.739564419	0.42397860	0.50790519	0.48162979
## 6976	99.99202	0.009974265	0.76434278	0.77425295	0.83206689
## 6977	99.99279	0.015158570	0.49490649	0.55531037	0.58657622
## 6978	98.91202	0.012132285	0.30140376	0.27941737	0.44985858
## 6979	99.97250	0.042379130	0.23670939	0.21807210	0.44220027
## 6980	94.96561	0.000301970	0.48576564	0.45976245	0.62121993
## 6981	99.76488	0.030329550	0.53054690	0.51563793	0.62900019
## 6982	99.92980	0.470546812	0.71751761	0.67330021	0.64778942
## 6983	99.72593	0.003348246	0.31783304	0.32182795	0.46731165
## 6984	99.99080	0.001288713	0.47906190	0.46856174	0.64032733
## 6985	99.97605	0.004171731	0.48594764	0.50757301	0.63505447
## 6986	99.50498	0.772459567	0.15638928	0.11513561	0.14749961
## 6987	99.89303	0.416041434	0.61736321	0.61894339	0.76163840
## 6988	99.88344	0.149423480	0.15133053	0.15348288	0.17975988
## 6989	97.74281	0.687917888	0.59948123	0.71560043	0.59637606
## 6990	99.53852	0.876328647	0.41681311	0.38119355	0.50394452
## 6991	99.78006	0.103014573	0.56180137	0.71485442	0.72265393
## 6992	99.66231	0.076371588	0.53686380	0.59450942	0.59257621
## 6993	99.74577	0.005162734	0.21700829	0.19798952	0.38079521
## 6994	99.66635	0.085903168	0.54446626	0.64088631	0.68919426
## 6995	99.95431	0.612373471	0.26871031	0.37393713	0.37423214
## 6996	99.97141	0.028215202	0.48366150	0.51044989	0.65190709
## 6997	99.99329	0.006936040	0.51040733	0.51598597	0.68413299

## 6998	99.97961	0.238970250	0.74623293	0.78952658	0.83859867
## 6999	99.62659	0.027135517	0.39628661	0.41838995	0.62842834
## 7000	99.38096	0.122530565	0.47797334	0.53329605	0.71646398
## 7001	99.99479	0.002311443	0.44371361	0.45069742	0.65292561
## 7002	99.60213	0.083654501	0.66288608	0.67477167	0.80696911
## 7003	99.95828	0.148818061	0.42551079	0.45507294	0.59366566
## 7004	99.98798	0.001588204	0.31122595	0.27404857	0.50662535
## 7005	99.97649	0.012423817	0.20701516	0.16586508	0.41186437
## 7006	99.98749	0.016944196	0.43961894	0.44831598	0.64832109
## 7007	99.94689	0.936371863	0.38659540	0.40186271	0.44502839
## 7008	99.52965	0.685466886	0.58748716	0.65399128	0.55974054
## 7009	99.97428	0.428397208	0.53124219	0.68180859	0.52992725
## 7010	99.68583	0.097651951	0.49177274	0.50642282	0.68660194
## 7011	98.50800	0.040936887	0.66823214	0.73695540	0.83699667
## 7012	99.96467	0.479344487	0.39794219	0.43636102	0.56454402
## 7013	99.29934	0.044070799	0.37660506	0.40620834	0.48856533
## 7014	98.09277	0.003469789	0.50511742	0.50516146	0.58524478
## 7015	99.56353	0.000005030	0.20190385	0.17790091	0.48860464
## 7016	99.49710	0.414873481	0.57567143	0.62586224	0.58305782
## 7017	99.87168	0.017232476	0.39578894	0.38063902	0.58622128
## 7018	99.53465	0.672376812	0.33830455	0.39000100	0.60978448
## 7019	97.49168	0.386005700	0.39445692	0.43640649	0.35205361
## 7020	99.96660	0.000216023	0.24313834	0.23535596	0.38345552
## 7021	99.90900	0.347784728	0.67423493	0.67174852	0.76493162
## 7022	99.98884	0.054462790	0.47855166	0.59703773	0.63138741
## 7023	99.93662	0.012965083	0.49228749	0.55102152	0.69301754
## 7024	99.85382	0.013723291	0.45468396	0.51715571	0.66227430
## 7025	99.54864	0.234202981	0.56309742	0.59216815	0.73568285
## 7026	99.99081	0.513636053	0.58011174	0.64681995	0.73722076
## 7027	99.93162	0.261359990	0.57019609	0.65496600	0.66549492
## 7028	96.31647	0.000020400	0.20805576	0.17794990	0.31456390
## 7029	99.97895	0.059104580	0.58653122	0.62981707	0.75325954
## 7030	96.86456	0.234528854	0.37733764	0.39852935	0.61533904
## 7031	99.92455	0.071555302	0.65833628	0.72034878	0.83303112
## 7032	99.80381	0.487756312	0.37529838	0.38986495	0.55659616
## 7033	99.81050	0.000320532	0.23393104	0.22710781	0.43864283
## 7034	99.66249	0.460019827	0.47259700	0.51728302	0.59821653
## 7035	99.88792	0.002787875	0.63044751	0.66796595	0.76636881
## 7036	99.56409	0.138146579	0.50833815	0.47793523	0.69023967
## 7037	99.94253	0.192905709	0.78301585	0.75836825	0.77207029
## 7038	99.38729	0.856495678	0.44538608	0.51142353	0.52136165
## 7039	98.69571	0.754902482	0.32839838	0.35722667	0.39191839
## 7040	99.98893	0.074444428	0.31078884	0.26691997	0.49402377
## 7041	99.95609	0.001240441	0.72738314	0.72141677	0.74860203
## 7042	99.89547	0.020505661	0.37861571	0.36026356	0.37599802
## 7043	99.91066	0.086851738	0.57456684	0.60118467	0.77685547
## 7044	99.37686	0.002385971	0.52496773	0.44674534	0.61118913
## 7045	99.64147	0.000050400	0.25737000	0.22249597	0.41487020
## 7046	99.88977	0.000251840	0.68453378	0.70223451	0.75289583
## 7047	99.90805	0.047057822	0.37128109	0.39021638	0.48018992
## 7048	99.94330	0.103545494	0.50163865	0.46113858	0.68070018
## 7049	98.90682	0.063031860	0.85719240	0.86692572	0.90633959
## 7050	99.64367	0.991217017	0.17205439	0.23502244	0.25636864
## 7051	99.96076	0.512569845	0.10538880	0.08974823	0.17824629

## 7052	99.99009	0.011286214	0.64011681	0.61429679	0.75224382
## 7053	99.94832	0.003392267	0.56874210	0.58728242	0.75814754
## 7054	99.98790	0.059774000	0.28183961	0.30249482	0.44003954
## 7055	97.50041	0.282614976	0.71174920	0.80340934	0.89252889
## 7056	99.93844	0.303024530	0.45243102	0.50726789	0.64855504
## 7057	99.93068	0.823347449	0.54465115	0.64712858	0.52857113
## 7058	99.78879	0.179704636	0.52752685	0.58210576	0.63294107
## 7059	99.93742	0.050517458	0.73991102	0.76550579	0.85118204
## 7060	99.93599	0.629127920	0.25918010	0.30766004	0.39939803
## 7061	94.58923	0.000126179	0.25192392	0.21341516	0.38024953
## 7062	99.92436	0.014590293	0.39493370	0.33661774	0.48099944
## 7063	99.96404	0.886528611	0.33630145	0.45903119	0.43325436
## 7064	99.46304	0.115294605	0.41137978	0.40855300	0.63217705
## 7065	99.87718	0.836492598	0.55841893	0.69433302	0.69475943
## 7066	99.92780	0.012564639	0.45268539	0.40890059	0.61407536
## 7067	99.80971	0.759883165	0.46183494	0.54541367	0.44819522
## 7068	99.95004	0.107947223	0.47734767	0.53642750	0.59286404
## 7069	99.90014	0.005226003	0.65346092	0.69548804	0.78417271
## 7070	99.62856	0.439228207	0.25011462	0.22073510	0.39064059
## 7071	97.19035	0.003544985	0.43630257	0.42904535	0.58245504
## 7072	99.94817	0.023276774	0.49863124	0.47509816	0.63949865
## 7073	99.60037	0.183927953	0.54791468	0.57630342	0.70934319
## 7074	99.99579	0.003848978	0.42469078	0.39527410	0.52251673
## 7075	98.14357	0.507385135	0.55611199	0.54206604	0.59864277
## 7076	99.94551	0.005218221	0.48967242	0.48376614	0.68730092
## 7077	99.98686	0.068625316	0.47767746	0.39629605	0.61457878
## 7078	99.98005	0.775482714	0.45790803	0.62080544	0.55096203
## 7079	99.91207	0.400945604	0.30426332	0.25189152	0.43748465
## 7080	96.76648	0.000436761	0.84413117	0.89835894	0.80721950
## 7081	99.98403	0.076550990	0.40886313	0.36728931	0.60830927
## 7082	99.98092	0.006463686	0.41445288	0.43382010	0.54027182
## 7083	99.74161	0.041566193	0.58732682	0.71658713	0.71684402
## 7084	99.85713	0.036439791	0.35541537	0.37842938	0.48695925
## 7085	99.93203	0.776762009	0.35536939	0.38002443	0.50761348
## 7086	99.90285	0.478075743	0.33861378	0.35365483	0.54389513
## 7087	99.94890	0.992266297	0.28543374	0.35107258	0.37520614
## 7088	99.99669	0.000739473	0.51479274	0.59560949	0.54649395
## 7089	99.99475	0.309887052	0.33685365	0.34306598	0.55937469
## 7090	99.47647	0.015951455	0.82766169	0.83553678	0.87174737
## 7091	99.99081	0.000651864	0.46834657	0.48928124	0.71237820
## 7092	99.99684	0.015908843	0.43751773	0.49681669	0.50295955
## 7093	99.97285	0.088785499	0.38748312	0.48235992	0.69664025
## 7094	99.89750	0.812158346	0.52721030	0.65448493	0.55887806
## 7095	99.19242	0.804821193	0.54682308	0.63883644	0.73355734
## 7096	99.85350	0.185760334	0.48442420	0.45989111	0.67289347
## 7097	97.13998	0.012978753	0.28868237	0.25209552	0.51510501
## 7098	99.83806	0.122518845	0.53465617	0.56074339	0.45571762
## 7099	99.95826	0.163905218	0.50174588	0.55157095	0.45218968
## 7100	97.43596	0.118820332	0.77000970	0.79590589	0.86416680
## 7101	99.38185	0.000009890	0.14160472	0.12659097	0.25412226
## 7102	99.10721	0.325993061	0.41546330	0.47074366	0.53013748
## 7103	99.94815	0.229004085	0.43774098	0.53113997	0.59913057
## 7104	99.98245	0.232105166	0.60857004	0.62890023	0.74172240
## 7105	96.00350	0.000014800	0.20947798	0.27197015	0.25944301

## 7106	99.98518	0.662578404	0.26722398	0.25437245	0.38783890	
## 7107	99.38666	0.125390455	0.35076562	0.33844161	0.33219373	
## 7108	99.96078	0.002121011	0.39525187	0.43715849	0.36634040	
## 7109	99.98393	0.520209074	0.42782962	0.49196205	0.68225020	
## 7110	99.94646	0.450589657	0.66716522	0.74584174	0.83491933	
## 7111	99.99788	0.038423046	0.50137413	0.53376192	0.71983612	
## 7112	98.93952	0.801803052	0.30225384	0.29185358	0.33791938	
## 7113	99.98784	0.100394249	0.31536323	0.32414857	0.46606615	
## 7114	99.41780	0.851279140	0.46350658	0.57792818	0.48594892	
## 7115	99.98846	0.000107577	0.34326073	0.30719694	0.55158383	
## 7116	98.69133	0.856982708	0.60275000	0.57916158	0.70185053	
## 7117	99.95027	0.174430341	0.44659558	0.49311540	0.45130604	
## 7118	99.53742	0.027878355	0.71414316	0.73792040	0.84920657	
## 7119	99.82648	0.222223118	0.44281632	0.42202404	0.61213845	
## 7120	99.59012	0.469026625	0.63940191	0.69107020	0.72704923	
## 7121	99.96941	0.081537575	0.31712133	0.35681626	0.34197199	
## 7122	99.97520	0.148681313	0.64723676	0.68933159	0.83104652	
## 7123	99.74028	0.155403316	0.52235448	0.52452254	0.70066130	
## 7124	99.51648	0.094014034	0.51084393	0.61958575	0.66758412	
## 7125	99.60894	0.001989573	0.29997066	0.26521796	0.38188168	
## 7126	99.99022	0.045057863	0.16060947	0.12569468	0.09692862	
## 7127	99.15889	0.558201075	0.44508794	0.40338126	0.56303269	
## 7128	99.83275	0.082576372	0.42143810	0.52833748	0.55201674	
## 7129	99.83665	0.006886598	0.41169977	0.44047764	0.64915252	
## 7130	99.98989	0.227395520	0.59382618	0.58158696	0.49692067	
## 7131	99.99750	0.010268540	0.32838166	0.29207766	0.48101372	
## 7132	93.23918	0.930430710	0.39523557	0.43774044	0.43067172	
## 7133	99.88050	0.224276096	0.57112360	0.58121604	0.72039956	
## 7134	97.10341	0.780912519	0.70368356	0.78439099	0.78507924	
## 7135	98.14804	0.231482089	0.38384941	0.35589194	0.41618061	
## 7136	98.81034	0.012401650	0.68904239	0.74178469	0.77986544	
## 7137	98.98509	0.915355384	0.19404116	0.15897514	0.18213122	
## 7138	99.68637	0.277091384	0.63081336	0.58867806	0.74306458	
## 7139	99.68309	0.992540002	0.16236758	0.12502320	0.08558101	
## 7140	99.94649	0.483912915	0.35850206	0.36705306	0.60280186	
## 7141	99.68211	0.028494693	0.43626562	0.42978188	0.24990998	
## 7142	99.66774	0.000028800	0.20572513	0.20620254	0.20815800	
##	energy	instrumentalness	mode	speechiness	tempo	valence
## 1	0.817708611	3.250000e-06	major	0.07998480	166.287	0.935511827
## 2	0.154258281	8.340000e-12	major	0.08387690	95.261	0.359674811
## 3	0.358813018	2.930000e-10	minor	0.03877721	105.186	0.726768970
## 4	0.514585078	3.980000e-11	major	0.03833732	119.441	0.859074831
## 5	0.721441686	2.540000e-10	major	0.03204290	95.261	0.562342763
## 6	0.567959070	1.180000e-05	major	0.04936792	122.657	0.686689496
## 7	0.614633143	3.437680e-04	major	0.03578320	128.496	0.798964441
## 8	0.217524797	1.920538e-03	major	0.03623564	76.396	0.381078601
## 9	0.626335084	1.060000e-07	major	0.05233435	134.127	0.916641593
## 10	0.095802724	5.503793e-01	major	0.03033399	77.398	0.073531687
## 11	0.308541834	2.969919e-03	minor	0.03330645	76.294	0.271638215
## 12	0.073316723	9.440000e-09	major	0.05483511	81.847	0.175262824
## 13	0.641841769	6.150010e-04	major	0.05271443	177.487	0.969861448
## 14	0.398756146	2.640000e-09	major	0.17125425	87.987	0.921773195
## 15	0.576706469	7.916920e-03	major	0.05335848	110.783	0.889891028
## 16	0.575922966	1.840000e-10	major	0.03669284	77.675	0.764921546

## 17	0.306309640	9.080000e-13	major	0.08832619	122.027	0.661419749
## 18	0.756258905	5.048509e-03	major	0.06209783	174.797	0.949684441
## 19	0.315334052	1.130000e-08	major	0.03443245	134.834	0.813181221
## 20	0.808681071	3.308860e-04	major	0.05445766	75.099	0.939427316
## 21	0.569352031	1.660000e-11	major	0.03279678	70.843	0.608772755
## 22	0.434753984	3.795930e-04	major	0.02858604	108.189	0.709948182
## 23	0.383811921	3.170000e-05	major	0.02753250	137.047	0.470099419
## 24	0.634686530	1.420000e-06	major	0.04035699	101.042	0.742615700
## 25	0.826604605	3.630000e-10	major	0.07903656	135.601	0.742536426
## 26	0.526109219	3.298584e-02	minor	0.02715947	129.326	0.595308244
## 27	0.159662083	3.645092e-01	major	0.02915259	71.913	0.426290423
## 28	0.085391350	7.624477e-03	major	0.04826858	126.854	0.390543699
## 29	0.181419894	2.300000e-07	major	0.06610046	139.262	0.682746649
## 30	0.470884442	1.160000e-08	major	0.04211779	117.564	0.689710259
## 31	0.639250636	2.180000e-05	major	0.04835112	147.766	0.730345905
## 32	0.252671301	3.534594e-01	major	0.03474778	81.575	0.291711360
## 33	0.435590506	1.030000e-08	major	0.03101733	119.151	0.520436525
## 34	0.598983824	2.920000e-06	major	0.03265659	136.169	0.700466156
## 35	0.828915298	6.200000e-05	major	0.08059234	147.997	0.744318485
## 36	0.071784154	9.306490e-04	major	0.03740242	121.885	0.196121022
## 37	0.557807088	2.200000e-05	major	0.04097352	114.950	0.964810431
## 38	0.387844086	4.142370e-04	minor	0.03361352	101.989	0.515139163
## 39	0.480876207	3.430000e-06	major	0.04039530	134.838	0.832803309
## 40	0.636493981	4.500000e-10	major	0.03814164	135.769	0.715060472
## 41	0.462544501	4.424798e-02	major	0.05421139	79.451	0.542215228
## 42	0.676666260	1.420000e-11	major	0.05931386	170.720	0.841839969
## 43	0.824801564	2.930452e-01	major	0.04864980	125.273	0.655015945
## 44	0.312723130	5.660000e-07	major	0.03660390	133.754	0.625210285
## 45	0.805034459	1.370000e-11	major	0.03710262	138.514	0.796906352
## 46	0.535389304	5.297639e-01	major	0.04364016	143.067	0.572917938
## 47	0.256576210	1.825586e-01	major	0.02524527	75.752	0.168506667
## 48	0.875614107	5.170000e-06	major	0.03620751	102.762	0.953868866
## 49	0.685587168	6.330000e-09	minor	0.03949031	121.414	0.649681985
## 50	0.955335796	8.770000e-06	major	0.04111074	133.849	0.869004667
## 51	0.742292225	2.030000e-10	major	0.04543673	138.591	0.751124978
## 52	0.471100956	3.630000e-06	major	0.09450895	70.702	0.681501806
## 53	0.515820205	2.170000e-06	minor	0.10407046	133.534	0.648166597
## 54	0.901482999	1.220000e-10	major	0.10115019	114.073	0.532301903
## 55	0.917051494	7.940000e-09	major	0.03347570	135.127	0.967059433
## 56	0.719950259	6.470000e-08	major	0.04254678	117.341	0.561414838
## 57	0.208431363	5.185330e-04	major	0.03075708	98.540	0.287945867
## 58	0.717004180	1.210000e-08	major	0.06000360	92.492	0.921351135
## 59	0.551258743	6.350000e-10	major	0.02557026	113.155	0.685049891
## 60	0.800968945	5.340000e-09	major	0.05134688	133.763	0.775816917
## 61	0.682871222	1.290000e-05	major	0.03273577	126.737	0.821063995
## 62	0.370310813	6.800000e-08	major	0.03088920	140.352	0.861659050
## 63	0.418850958	1.840000e-08	major	0.03464397	104.564	0.672752619
## 64	0.640847325	2.460000e-10	major	0.04158353	120.773	0.792084813
## 65	0.655516207	1.410000e-10	major	0.04170458	118.394	0.925558090
## 66	0.486328006	1.724190e-04	minor	0.10213856	125.537	0.674990773
## 67	0.656574130	9.539992e-01	major	0.08238190	120.338	0.102042720
## 68	0.417844176	3.418320e-04	major	0.03000688	83.180	0.504298806
## 69	0.519757211	4.945413e-01	major	0.04779662	128.029	0.132325932
## 70	0.710609555	4.082381e-02	major	0.05033637	184.662	0.646252096

## 71	0.829360545	2.430000e-05	major	0.11147235	114.003	0.691183209
## 72	0.498299539	1.145751e-02	major	0.05288366	132.999	0.919496596
## 73	0.683990300	2.933730e-03	major	0.02881613	116.232	0.867032886
## 74	0.647578776	6.460000e-12	major	0.03091592	134.931	0.969046056
## 75	0.867281556	3.370000e-05	major	0.09195200	174.851	0.498962760
## 76	0.524027407	9.270000e-06	major	0.03016346	136.679	0.711309910
## 77	0.407204568	2.194210e-04	major	0.03075163	101.052	0.037802443
## 78	0.506992161	1.160000e-09	minor	0.04510924	112.984	0.618728161
## 79	0.443830550	5.060000e-05	major	0.03944641	121.904	0.718102038
## 80	0.277180225	5.900000e-09	major	0.04209959	80.062	0.533681452
## 81	0.154695809	8.982977e-01	minor	0.04191091	95.305	0.315316290
## 82	0.136790305	4.500000e-07	major	0.03232700	103.328	0.149784043
## 83	0.359537661	3.685760e-04	major	0.05001164	86.162	0.357932955
## 84	0.512215436	2.300000e-11	major	0.02940564	133.607	0.852265298
## 85	0.450992405	2.430000e-06	major	0.02637137	93.227	0.719207942
## 86	0.608579338	2.880000e-05	major	0.02708149	98.457	0.576454222
## 87	0.343830198	6.420707e-03	major	0.02934587	171.143	0.232250646
## 88	0.775119483	2.050000e-05	major	0.03521484	80.106	0.961639285
## 89	0.323353648	2.920000e-10	major	0.02825122	110.962	0.276018828
## 90	0.340723425	4.931748e-02	major	0.02930156	123.598	0.566178501
## 91	0.665006816	3.040000e-06	major	0.05158238	94.872	0.878332555
## 92	0.732944191	2.400000e-05	major	0.02564668	99.307	0.805787623
## 93	0.276114523	5.860000e-08	major	0.02922007	76.087	0.635914743
## 94	0.412407488	3.450000e-07	minor	0.03870506	123.172	0.396242559
## 95	0.547385991	1.037519e-03	minor	0.02545969	93.780	0.908778667
## 96	0.712893605	1.399883e-01	major	0.03393577	115.443	0.970050216
## 97	0.623816788	6.222536e-03	major	0.02846917	75.478	0.671113491
## 98	0.600673020	1.293710e-04	minor	0.05790588	94.382	0.745536208
## 99	0.459240943	1.280000e-06	major	0.03042216	106.957	0.931317151
## 100	0.963137567	2.390000e-06	minor	0.12884229	113.133	0.532789826
## 101	0.459147364	1.030000e-07	major	0.10432280	114.816	0.647786140
## 102	0.536701918	1.920000e-05	major	0.02540005	84.895	0.946323335
## 103	0.640107632	5.295801e-02	major	0.29524794	131.738	0.840123892
## 104	0.199746087	9.024594e-01	major	0.07198508	92.791	0.161367059
## 105	0.151763767	3.399230e-03	major	0.02771193	80.608	0.238734409
## 106	0.338416934	2.620000e-06	major	0.03035184	133.522	0.377410620
## 107	0.127981380	1.057664e-02	major	0.03395137	127.326	0.146580011
## 108	0.763364375	8.856478e-01	major	0.09453929	176.193	0.708154917
## 109	0.663128734	8.057142e-03	major	0.03741409	132.770	0.662894785
## 110	0.458417684	6.629892e-03	major	0.02744486	84.319	0.703980207
## 111	0.492864817	6.190000e-10	major	0.03269937	127.671	0.467420250
## 112	0.692733109	2.130000e-06	major	0.03509103	127.555	0.592706263
## 113	0.836398900	9.101464e-02	major	0.04026791	90.095	0.873682797
## 114	0.442850679	1.378920e-04	major	0.03458691	139.539	0.434245706
## 115	0.543948889	1.088488e-03	major	0.07514120	108.217	0.873670042
## 116	0.416470468	1.355854e-01	major	0.03476099	174.464	0.222924754
## 117	0.120967411	6.946970e-01	minor	0.03493910	115.418	0.090628669
## 118	0.336521924	2.303307e-01	major	0.05968090	84.545	0.733588099
## 119	0.724629939	2.764879e-01	major	0.03817403	118.270	0.961734772
## 120	0.349802077	5.560000e-06	major	0.03178385	128.384	0.277230501
## 121	0.405192703	6.650000e-09	major	0.03924396	99.678	0.827646255
## 122	0.697136521	2.280000e-05	major	0.02774037	116.109	0.773946226
## 123	0.909032345	9.204556e-03	major	0.05443274	134.457	0.896469533
## 124	0.686161160	2.302777e-01	major	0.03656873	126.045	0.766002595

## 125	0.724810481	3.237293e-03	major	0.03722218	112.620	0.812924802
## 126	0.619304538	3.020000e-08	minor	0.03231772	108.826	0.807190835
## 127	0.397263706	1.350000e-05	major	0.03453091	128.690	0.486894310
## 128	0.273517668	2.070472e-01	major	0.11643370	110.582	0.700533628
## 129	0.273014009	7.392990e-04	major	0.04991562	65.319	0.669113219
## 130	0.403142959	7.030000e-08	major	0.03222244	143.462	0.409913898
## 131	0.885910332	6.253837e-03	major	0.03115766	108.390	0.728651345
## 132	0.503407061	2.838990e-04	major	0.03410982	151.862	0.597941458
## 133	0.682568669	2.820000e-07	major	0.03992085	127.009	0.930816114
## 134	0.513867319	1.380000e-10	major	0.03078946	111.687	0.708876848
## 135	0.687696278	1.524920e-04	major	0.03993575	133.871	0.614299774
## 136	0.650207341	4.030000e-06	major	0.03245098	97.279	0.146025971
## 137	0.926998079	2.898910e-04	major	0.03514391	128.606	0.966168404
## 138	0.912152469	6.700000e-09	major	0.03979269	101.307	0.770221055
## 139	0.669341147	1.810000e-08	major	0.03764583	170.849	0.704684913
## 140	0.872491956	3.890000e-07	major	0.15855260	76.214	0.760929883
## 141	0.308450818	2.630000e-08	major	0.03766889	114.719	0.410192579
## 142	0.128611982	1.520000e-06	major	0.03219990	80.367	0.147186354
## 143	0.158126235	2.520232e-01	minor	0.03377713	91.151	0.531888306
## 144	0.925557852	4.240000e-07	major	0.05323502	106.398	0.866946101
## 145	0.408762574	1.149625e-02	major	0.03364265	173.996	0.429449439
## 146	0.372769207	3.720000e-05	major	0.03468156	121.268	0.195350647
## 147	0.574153602	5.012292e-02	major	0.02981172	169.902	0.584674954
## 148	0.219733745	1.190000e-05	major	0.06667764	75.160	0.423074007
## 149	0.766645253	5.706922e-02	major	0.04313254	151.505	0.675602317
## 150	0.698601246	8.500848e-03	major	0.03709169	122.166	0.883565426
## 151	0.239256725	9.605730e-03	major	0.02764911	92.492	0.454722196
## 152	0.690076351	6.278752e-02	minor	0.02460539	97.436	0.949857414
## 153	0.477133363	4.170000e-06	major	0.02764775	179.239	0.404727012
## 154	0.428223431	2.428490e-04	major	0.02780831	145.075	0.281569630
## 155	0.764231265	3.040000e-06	major	0.03529395	126.872	0.765914381
## 156	0.628613591	6.120000e-05	major	0.04468680	146.657	0.538603067
## 157	0.192954242	1.860000e-06	minor	0.03056199	100.273	0.286690921
## 158	0.428361446	8.070598e-02	major	0.02944596	67.046	0.651929975
## 159	0.697596610	7.473670e-04	major	0.11271299	86.335	0.669091105
## 160	0.123214066	3.007300e-01	major	0.06190950	120.392	0.610434532
## 161	0.401623338	2.390000e-05	minor	0.06032648	128.358	0.311335713
## 162	0.650909901	4.710000e-07	major	0.03232884	122.818	0.368356138
## 163	0.399682611	3.314150e-04	major	0.02770821	81.711	0.784144700
## 164	0.721587896	2.590000e-09	major	0.03397807	174.732	0.410446346
## 165	0.399499387	3.770550e-04	major	0.02823710	97.918	0.799495697
## 166	0.678211033	6.690000e-06	major	0.03133724	106.186	0.647225559
## 167	0.828886032	4.510000e-05	major	0.06244291	152.021	0.476182461
## 168	0.265133500	2.510000e-06	major	0.02776998	83.225	0.459014386
## 169	0.884792805	1.773147e-03	major	0.03482591	174.766	0.804886699
## 170	0.498894751	5.900000e-09	major	0.03452040	155.775	0.785633028
## 171	0.896147072	9.240000e-07	major	0.04898570	90.600	0.652596056
## 172	0.335618079	7.540000e-05	major	0.03582931	128.580	0.428234339
## 173	0.675803900	2.248410e-01	major	0.02787775	114.169	0.805379331
## 174	0.836985290	2.645120e-04	major	0.06950430	79.415	0.596804440
## 175	0.359775782	7.820000e-11	major	0.02746827	113.812	0.420108408
## 176	0.318275630	2.021900e-04	major	0.10926835	104.522	0.385191262
## 177	0.799556494	8.780000e-07	major	0.03781914	89.761	0.922869205
## 178	0.161446169	1.306339e-01	major	0.04830707	109.002	0.415060669

## 179	0.436215878	2.630000e-05	major	0.03323063	139.848	0.482934892
## 180	0.683062315	2.920000e-05	major	0.04639118	132.520	0.949193299
## 181	0.210630521	3.760000e-09	major	0.03255018	129.999	0.411918640
## 182	0.821111321	1.410000e-10	major	0.03176298	136.145	0.968491971
## 183	0.571574748	3.240000e-07	major	0.03648215	100.432	0.756154239
## 184	0.234548345	3.568965e-03	major	0.03008300	110.359	0.247621909
## 185	0.843898177	1.798810e-04	major	0.05715488	118.158	0.350903958
## 186	0.976191461	9.529423e-02	major	0.04308634	152.856	0.954805672
## 187	0.633123577	1.640000e-06	major	0.04748889	98.412	0.856801331
## 188	0.878062785	9.099690e-03	major	0.06490415	159.833	0.666644752
## 189	0.677890956	6.290000e-06	major	0.04958952	132.584	0.778073728
## 190	0.534938693	5.750000e-05	major	0.02653956	113.229	0.708553314
## 191	0.626848459	2.690000e-05	major	0.03176142	121.234	0.711686134
## 192	0.642633379	1.896910e-03	major	0.04255142	116.521	0.980160117
## 193	0.956898332	2.411960e-04	major	0.04586991	136.183	0.802083373
## 194	0.671635270	9.349678e-01	major	0.09008768	150.588	0.504991055
## 195	0.992911816	6.767116e-03	major	0.05559738	157.594	0.568839729
## 196	0.855341852	3.806105e-03	major	0.04031938	117.248	0.721079886
## 197	0.317648530	7.161570e-02	major	0.02632108	79.660	0.239878252
## 198	0.229866907	5.976576e-02	major	0.03977397	109.839	0.468121052
## 199	0.431278259	6.272072e-02	major	0.03321782	181.004	0.580605567
## 200	0.566932261	4.680000e-09	major	0.03298077	139.109	0.912024379
## 201	0.522803247	9.120000e-08	major	0.03264698	105.367	0.548788130
## 202	0.393478274	5.310000e-07	major	0.02372239	90.105	0.668898702
## 203	0.529425681	1.624964e-02	major	0.02595507	79.296	0.749048948
## 204	0.495001316	4.430170e-04	major	0.03573140	112.476	0.638975561
## 205	0.395339668	2.988793e-02	major	0.03211265	110.726	0.849780560
## 206	0.328508556	3.053490e-04	major	0.02928451	165.399	0.213304460
## 207	0.479240716	2.860000e-07	major	0.02939478	136.380	0.886542082
## 208	0.671041965	2.558813e-03	major	0.03498141	152.171	0.807885170
## 209	0.512858570	2.820538e-01	major	0.02790662	92.242	0.499272287
## 210	0.210058093	1.899489e-01	major	0.03901262	133.746	0.520328224
## 211	0.566827357	3.460000e-07	major	0.04122431	108.805	0.789856315
## 212	0.525832474	3.690000e-07	major	0.04491271	121.587	0.858367324
## 213	0.962320685	3.170000e-06	major	0.07342839	131.435	0.376586735
## 214	0.762421608	1.082117e-02	major	0.04947844	118.894	0.552924573
## 215	0.360193431	1.707604e-01	major	0.03653902	133.273	0.036237400
## 216	0.985651553	6.610000e-06	major	0.06701512	148.937	0.357227594
## 217	0.632679045	6.820000e-05	major	0.02608361	115.191	0.647191763
## 218	0.286051720	1.204553e-03	major	0.04494425	116.446	0.409686446
## 219	0.490210801	8.370000e-05	major	0.03417239	146.014	0.275919914
## 220	0.818006754	1.768780e-04	major	0.03371783	141.463	0.772898912
## 221	0.217054069	1.087560e-04	major	0.03353383	130.613	0.140745014
## 222	0.609525383	3.028415e-02	major	0.05660069	98.466	0.975135624
## 223	0.295471787	8.353447e-01	major	0.03749109	171.668	0.260748327
## 224	0.639043808	3.860000e-06	major	0.06379244	151.772	0.913666368
## 225	0.887209296	9.930000e-05	major	0.03449767	122.494	0.720317602
## 226	0.935484469	3.570000e-07	major	0.03817424	128.393	0.750086963
## 227	0.567014813	1.511220e-04	major	0.03018018	106.495	0.858180225
## 228	0.313507766	8.799844e-01	major	0.02962623	79.601	0.504692197
## 229	0.150581270	8.478059e-01	major	0.05302454	173.548	0.160330787
## 230	0.264799327	5.377846e-01	major	0.03989255	148.064	0.557223499
## 231	0.398355722	5.243958e-02	major	0.03572449	91.802	0.836997509
## 232	0.466650188	4.390572e-01	major	0.03897779	85.670	0.066171393

## 233	0.626208127	2.000000e-05	minor	0.02979314	125.199	0.798917711
## 234	0.284492910	3.480000e-06	major	0.03165431	136.112	0.373876005
## 235	0.605473340	2.530000e-05	major	0.03484039	145.673	0.272064209
## 236	0.216518283	1.470888e-03	major	0.03430305	115.506	0.282074153
## 237	0.528240323	5.070000e-07	minor	0.03283267	105.733	0.675948322
## 238	0.580418766	1.520000e-07	major	0.14196838	134.382	0.856393039
## 239	0.616915822	9.430000e-05	minor	0.04675657	76.234	0.744782031
## 240	0.741391718	1.110901e-01	major	0.03104383	121.221	0.964665532
## 241	0.173822194	9.740000e-05	major	0.03514051	117.563	0.143552855
## 242	0.623319745	2.830000e-07	major	0.06706700	89.429	0.626036108
## 243	0.545386255	9.774310e-02	major	0.02972454	97.409	0.345548123
## 244	0.441144973	7.876370e-04	minor	0.03786121	110.565	0.963256240
## 245	0.360599488	2.260000e-07	major	0.04843927	156.632	0.683742940
## 246	0.466210634	2.460000e-07	major	0.04783151	74.800	0.448502123
## 247	0.690985501	6.538650e-03	major	0.07171220	96.694	0.751503289
## 248	0.697390556	5.410000e-07	major	0.02972162	147.103	0.938436568
## 249	0.663299263	3.909636e-03	major	0.03281303	104.804	0.365364432
## 250	0.226331502	8.337328e-01	major	0.03420475	82.663	0.304510266
## 251	0.262196422	5.510000e-06	major	0.02758791	108.381	0.356920600
## 252	0.833496451	1.364902e-03	major	0.07136951	133.154	0.721986175
## 253	0.349943459	2.490000e-07	major	0.04853749	140.771	0.337708235
## 254	0.471707284	6.441540e-04	major	0.02730829	99.425	0.960059524
## 255	0.891589522	3.443708e-01	major	0.04369257	124.435	0.890437365
## 256	0.463426560	8.000072e-01	major	0.02845554	103.112	0.606758118
## 257	0.613935649	9.152584e-03	major	0.05724461	84.386	0.059863903
## 258	0.491781265	4.283916e-03	major	0.02755493	120.151	0.789131343
## 259	0.470542073	1.711173e-02	major	0.05454728	121.254	0.846648097
## 260	0.130372405	9.144986e-01	major	0.03545097	80.611	0.066558234
## 261	0.297560126	9.534149e-01	minor	0.03298828	89.962	0.132988989
## 262	0.930399597	1.340250e-04	major	0.10444736	117.265	0.312890708
## 263	0.573211849	2.213620e-04	major	0.03173570	116.965	0.951311350
## 264	0.631025970	1.803319e-01	major	0.03854363	114.553	0.907700002
## 265	0.394902498	7.972639e-01	major	0.07267730	125.081	0.325208396
## 266	0.536000609	7.248354e-03	major	0.03676622	145.050	0.147613242
## 267	0.287483752	3.110000e-05	major	0.02999522	128.360	0.325593829
## 268	0.364154249	1.360000e-05	major	0.04267344	184.244	0.716034174
## 269	0.257512748	1.032339e-01	major	0.07311563	135.774	0.706083179
## 270	0.572471559	5.324270e-04	major	0.03881693	115.839	0.579720080
## 271	0.688620925	3.788798e-02	major	0.03328045	146.215	0.960196912
## 272	0.441261888	8.162360e-04	major	0.06819723	126.318	0.815577686
## 273	0.604604900	4.584575e-01	major	0.03793173	144.078	0.158430815
## 274	0.422099322	6.023980e-04	major	0.08033045	105.707	0.468003750
## 275	0.257604450	1.040374e-01	minor	0.03840943	72.540	0.261317253
## 276	0.406688243	2.160000e-08	major	0.03577636	108.701	0.531050026
## 277	0.452471495	1.154530e-04	major	0.02609708	73.984	0.599400103
## 278	0.774102330	5.030000e-05	major	0.09414629	106.564	0.832531810
## 279	0.708067954	1.129449e-01	major	0.02962943	146.616	0.712496996
## 280	0.305918813	7.620000e-08	minor	0.02646235	102.247	0.063741572
## 281	0.766755879	1.724050e-04	major	0.02828275	115.640	0.557172060
## 282	0.380213946	1.075360e-04	major	0.03725192	122.602	0.951777339
## 283	0.957356095	8.105268e-02	major	0.07759893	115.375	0.691605926
## 284	0.805688500	5.950000e-08	major	0.08138203	117.945	0.762613714
## 285	0.485985994	2.005960e-01	major	0.07569499	110.178	0.730568051
## 286	0.556960285	7.644745e-01	major	0.02820996	102.145	0.436294168

## 287	0.321938187	2.431956e-03	major	0.03429788	128.226	0.770250738
## 288	0.747561812	4.100000e-06	major	0.36135453	134.001	0.662487924
## 289	0.594765246	2.980000e-05	major	0.05941865	122.445	0.812201262
## 290	0.453096420	2.739106e-03	major	0.06383688	90.472	0.823422849
## 291	0.575450003	1.650000e-06	major	0.02975796	109.447	0.850135624
## 292	0.387617618	7.879899e-01	major	0.03398327	152.053	0.197585270
## 293	0.700178325	1.251693e-03	major	0.03625648	147.245	0.896983087
## 294	0.520955801	8.992785e-03	major	0.02756455	99.460	0.969053388
## 295	0.772290289	5.842407e-02	major	0.03533668	128.166	0.919729650
## 296	0.068301626	2.250000e-05	major	0.05113223	85.190	0.178140566
## 297	0.648091316	2.276680e-04	major	0.04685954	168.662	0.313679367
## 298	0.598491132	4.823363e-02	major	0.04166918	150.686	0.199366927
## 299	0.337947786	4.810000e-07	major	0.02985132	105.842	0.524861932
## 300	0.511222839	2.257180e-04	major	0.04087130	113.153	0.858499587
## 301	0.077532724	5.062488e-01	major	0.05883164	115.711	0.450720549
## 302	0.904530227	8.254781e-03	minor	0.12884253	89.945	0.730438411
## 303	0.148090586	4.321452e-01	major	0.04307929	208.486	0.056884140
## 304	0.477560043	1.050000e-05	major	0.23692401	121.244	0.828127027
## 305	0.821959615	1.960730e-04	major	0.04951381	134.862	0.685868800
## 306	0.698578775	3.510533e-01	major	0.04148651	130.948	0.875826478
## 307	0.941176414	1.450000e-05	major	0.09081162	106.525	0.605585575
## 308	0.651061773	8.925061e-01	major	0.03368528	120.023	0.491697103
## 309	0.282855004	9.333456e-02	major	0.06095829	157.963	0.286902219
## 310	0.394266009	6.768280e-04	major	0.04283790	104.126	0.718999386
## 311	0.778533101	7.760831e-01	major	0.08308447	180.837	0.935801208
## 312	0.548045278	2.630000e-09	major	0.02522369	109.965	0.439447343
## 313	0.662983775	1.070000e-06	minor	0.02918709	75.140	0.755573273
## 314	0.866218686	4.137135e-03	major	0.04829576	130.345	0.761071980
## 315	0.564006329	1.558016e-03	minor	0.05708234	99.494	0.339417577
## 316	0.495511532	3.070000e-06	major	0.05971535	138.791	0.944297731
## 317	0.891138613	3.802324e-01	major	0.02814202	136.266	0.940279067
## 318	0.045692511	6.411141e-01	major	0.03439482	99.480	0.096701398
## 319	0.804917455	1.530000e-05	major	0.02788397	116.543	0.961493313
## 320	0.300718576	2.357786e-03	major	0.02935745	112.458	0.190088913
## 321	0.429284751	1.190000e-07	major	0.12451582	91.392	0.725073576
## 322	0.817581713	1.345252e-03	major	0.09042913	105.266	0.839260519
## 323	0.727712452	1.686580e-04	major	0.10083372	103.299	0.750980437
## 324	0.650862515	1.645180e-04	major	0.05899321	164.889	0.731335163
## 325	0.551929355	9.130000e-05	minor	0.02523319	106.251	0.502681255
## 326	0.508779049	5.262080e-04	major	0.02678922	130.027	0.889674366
## 327	0.571978569	1.960000e-07	minor	0.04750947	177.514	0.747182786
## 328	0.489095360	6.720000e-09	major	0.03834336	97.163	0.131668344
## 329	0.685568333	1.839410e-04	major	0.03634024	126.090	0.661566377
## 330	0.894462228	4.769590e-01	major	0.03929861	135.127	0.710694790
## 331	0.354415834	2.269745e-03	major	0.03870974	118.165	0.158822000
## 332	0.760720193	4.740000e-06	major	0.04205141	77.015	0.712489188
## 333	0.248356476	1.100000e-08	major	0.04352708	116.002	0.620854974
## 334	0.542088211	5.200000e-06	major	0.02872756	127.002	0.812707841
## 335	0.759924948	1.422360e-04	major	0.05159922	126.403	0.758336365
## 336	0.958970964	8.748560e-01	minor	0.08322500	141.497	0.099743441
## 337	0.844798386	1.001541e-03	major	0.09423333	139.029	0.218020529
## 338	0.746238291	9.251985e-01	major	0.03219470	151.741	0.817984879
## 339	0.499687880	6.920000e-08	minor	0.03779675	144.435	0.622868836
## 340	0.485296011	4.139374e-03	major	0.05596490	122.659	0.714325726

## 341	0.676669598	7.410000e-09	major	0.03957637	114.370	0.887773216
## 342	0.437837273	4.656770e-04	minor	0.03456612	108.965	0.552276313
## 343	0.865858734	2.230000e-05	major	0.09760550	131.060	0.489287168
## 344	0.326841384	2.650000e-06	major	0.02506424	80.027	0.354052752
## 345	0.360139489	1.840000e-07	major	0.03178931	100.866	0.898521721
## 346	0.804297924	5.980000e-06	major	0.04539390	111.457	0.658005059
## 347	0.806410015	1.500000e-10	major	0.90492910	106.335	0.617930770
## 348	0.239251852	4.100000e-06	major	0.03162950	189.507	0.298327804
## 349	0.726784110	1.080000e-07	major	0.10191280	116.666	0.878395855
## 350	0.261363089	6.100000e-07	major	0.09380119	97.042	0.889827013
## 351	0.329254836	7.190000e-08	minor	0.02367943	89.518	0.347223341
## 352	0.901501477	1.390000e-09	major	0.04329641	108.216	0.579045832
## 353	0.724124908	8.350000e-08	major	0.03015943	126.554	0.950318515
## 354	0.812429607	1.160000e-06	major	0.05584783	127.568	0.685172439
## 355	0.923948288	3.560000e-08	major	0.04997326	107.088	0.546105087
## 356	0.955712557	5.227730e-04	major	0.08759709	173.254	0.431563348
## 357	0.568085015	1.618168e-03	major	0.02790191	124.515	0.384265393
## 358	0.243604869	2.574052e-02	major	0.16820161	127.739	0.589870632
## 359	0.370517313	1.525240e-02	major	0.03899356	103.574	0.652288914
## 360	0.412645787	2.710000e-06	major	0.35163945	69.884	0.813583374
## 361	0.963047504	1.722754e-03	major	0.09421231	125.832	0.340153605
## 362	0.522653461	1.220000e-06	major	0.03850709	191.046	0.903311014
## 363	0.727464974	6.497288e-02	major	0.03028429	149.229	0.954226911
## 364	0.950710535	4.348238e-01	major	0.09373315	190.096	0.479060739
## 365	0.868752360	1.541440e-04	major	0.03276773	122.499	0.941179931
## 366	0.585211337	1.900000e-06	major	0.05488241	98.341	0.751621127
## 367	0.293349117	2.310000e-07	major	0.03182863	125.829	0.229475453
## 368	0.805501997	4.439137e-01	minor	0.03776826	92.211	0.208781645
## 369	0.588691592	8.316834e-03	major	0.04005534	102.718	0.547771931
## 370	0.834721863	3.756760e-04	major	0.03174218	129.994	0.795545220
## 371	0.645791829	1.476606e-02	major	0.02895659	120.382	0.623411477
## 372	0.539015651	1.640000e-05	major	0.03111669	163.132	0.770772815
## 373	0.888475180	3.200000e-09	major	0.08700629	126.701	0.819558978
## 374	0.555454671	4.353970e-04	major	0.02988128	119.885	0.957553267
## 375	0.851657927	4.149098e-03	major	0.03327406	118.605	0.495762050
## 376	0.449251413	1.340000e-06	major	0.02864277	130.388	0.294206560
## 377	0.870627761	2.652485e-03	major	0.03738783	122.295	0.927469015
## 378	0.328990012	2.741384e-02	major	0.15004796	130.679	0.707939744
## 379	0.213178292	4.880000e-08	major	0.02771807	84.778	0.316966653
## 380	0.710761786	1.740000e-07	minor	0.03172322	125.135	0.875251651
## 381	0.702860117	8.803544e-01	major	0.05809484	130.270	0.856063128
## 382	0.858995557	5.180000e-05	major	0.06647354	124.324	0.791999102
## 383	0.891531467	1.790000e-06	major	0.09319124	100.231	0.648043215
## 384	0.319973826	1.555400e-01	major	0.03591018	111.874	0.462983817
## 385	0.636634588	2.120000e-07	major	0.03197116	115.577	0.931022823
## 386	0.320247769	1.830000e-05	major	0.06064787	109.702	0.881708503
## 387	0.268428564	1.100000e-06	major	0.02688188	90.182	0.626789987
## 388	0.094183445	8.673229e-01	major	0.04483395	122.834	0.146469370
## 389	0.861040235	1.862823e-01	major	0.03823974	89.912	0.834790647
## 390	0.878014743	1.627059e-03	major	0.03639886	146.300	0.843953967
## 391	0.811240613	3.584500e-04	major	0.03183839	121.259	0.437972814
## 392	0.924620867	9.821776e-02	major	0.14395976	178.975	0.292857558
## 393	0.262489587	4.267922e-03	major	0.03138153	73.558	0.621934474
## 394	0.573793411	7.400000e-07	major	0.04212429	81.548	0.900074065

## 395	0.951537311	1.288994e-02	minor	0.21930179	80.647	0.210548505
## 396	0.931209147	1.360000e-05	major	0.04225730	97.908	0.490859419
## 397	0.511869192	6.883658e-03	major	0.06492619	167.271	0.842131436
## 398	0.703381240	1.370000e-06	major	0.04484135	139.484	0.562993705
## 399	0.912828684	1.500000e-05	major	0.03618573	103.265	0.560834467
## 400	0.866353095	3.549914e-03	major	0.06468750	193.928	0.420391321
## 401	0.040256385	1.317248e-01	major	0.03561479	97.790	0.527982771
## 402	0.577307284	9.240000e-07	major	0.02608747	85.667	0.835856736
## 403	0.958508730	1.800000e-06	minor	0.05566920	122.806	0.828151524
## 404	0.363406837	4.570000e-05	major	0.02862061	84.563	0.238847241
## 405	0.370956570	4.620000e-06	major	0.04209136	79.917	0.471339315
## 406	0.932489634	8.816528e-01	major	0.03745956	119.973	0.378901571
## 407	0.723341584	7.030000e-09	major	0.05667984	139.581	0.900070727
## 408	0.841908336	3.790797e-02	major	0.04290211	94.998	0.834910870
## 409	0.683530688	1.559968e-01	major	0.03285210	120.269	0.891714275
## 410	0.789500296	1.080000e-07	major	0.03855903	180.356	0.534410119
## 411	0.609525681	3.558360e-04	major	0.02753435	93.398	0.497938067
## 412	0.526147664	1.107850e-04	major	0.05583801	91.646	0.946916044
## 413	0.742711723	9.299550e-04	minor	0.03474378	129.790	0.412539601
## 414	0.408759475	8.420000e-07	minor	0.05103884	119.723	0.629808545
## 415	0.763878047	2.498310e-04	major	0.04604471	156.336	0.867578924
## 416	0.830150783	2.413791e-03	major	0.03651595	92.855	0.731206417
## 417	0.968262792	4.210000e-05	major	0.12679759	145.696	0.162832633
## 418	0.650853693	1.320000e-05	major	0.05159598	141.612	0.512204111
## 419	0.508234918	6.090576e-02	major	0.04878536	108.984	0.159695134
## 420	0.796555817	6.868540e-04	minor	0.03520105	129.847	0.607975841
## 421	0.784333706	5.364798e-01	major	0.06990214	75.500	0.610106587
## 422	0.868142307	1.100000e-09	major	0.05042069	125.768	0.557021081
## 423	0.880408943	5.079110e-04	major	0.05324911	100.457	0.234578580
## 424	0.277869940	1.850000e-07	major	0.31871912	88.169	0.622147024
## 425	0.685936093	1.762080e-04	major	0.02681878	96.848	0.275286764
## 426	0.306768417	2.797666e-01	major	0.03053977	114.981	0.558740973
## 427	0.186601043	5.020000e-08	major	0.12431030	116.956	0.344513088
## 428	0.057225481	7.410000e-06	major	0.03847779	83.258	0.491723329
## 429	0.037122618	7.710000e-06	major	0.03319707	79.951	0.313255072
## 430	0.367345333	1.170000e-07	major	0.02771452	70.276	0.252137870
## 431	0.392592937	2.358620e-02	major	0.04588811	103.564	0.759896696
## 432	0.428826481	3.640000e-07	minor	0.02891959	131.880	0.300046325
## 433	0.100802667	9.790000e-07	major	0.06454693	84.143	0.507837296
## 434	0.692618370	8.986412e-01	major	0.04083206	106.933	0.540997207
## 435	0.876428664	7.720000e-05	major	0.04444171	118.010	0.358491927
## 436	0.634160995	1.070000e-09	major	0.03931838	85.317	0.825105786
## 437	0.050314669	1.330000e-06	major	0.04024103	175.007	0.462289423
## 438	0.394006550	8.740000e-07	major	0.03478296	114.862	0.574203789
## 439	0.726507425	8.108490e-04	major	0.22825939	128.746	0.623451769
## 440	0.611327231	9.860000e-06	major	0.03451701	116.569	0.768491626
## 441	0.540595353	3.393131e-03	major	0.03030676	131.675	0.606857538
## 442	0.793019295	5.670000e-05	major	0.05127138	174.472	0.707837105
## 443	0.634335577	1.230000e-07	major	0.05035244	133.522	0.732536614
## 444	0.867090464	1.054642e-02	major	0.05214789	151.316	0.327313334
## 445	0.456607014	1.788220e-04	minor	0.25539863	158.558	0.674816310
## 446	0.252226979	1.520000e-07	major	0.03010320	177.679	0.125516042
## 447	0.617860377	3.090000e-07	major	0.03941251	102.897	0.760643959
## 448	0.975049078	1.027926e-03	minor	0.10103161	134.477	0.393715411

## 449	0.916351438	9.383333e-01	major	0.05055454	110.234	0.558341205
## 450	0.989122987	5.995951e-03	minor	0.07700305	161.183	0.086163834
## 451	0.914062202	3.320000e-09	minor	0.13863796	180.001	0.798186898
## 452	0.303844184	1.043699e-03	major	0.03435222	113.949	0.414393902
## 453	0.889235616	8.680000e-06	major	0.31685674	160.001	0.968530774
## 454	0.665991724	6.987890e-04	major	0.27419522	96.662	0.744128346
## 455	0.264340788	9.004840e-01	major	0.03251289	84.986	0.228141487
## 456	0.910645485	3.883192e-03	major	0.05598649	114.774	0.713380516
## 457	0.857274473	9.000000e-06	major	0.05707917	85.656	0.597612143
## 458	0.534729362	5.220000e-07	major	0.03238848	75.766	0.293242514
## 459	0.708701432	1.010000e-05	major	0.08154330	119.515	0.730394483
## 460	0.043114677	6.080000e-05	major	0.03823539	121.168	0.412397683
## 461	0.489899546	4.720000e-05	major	0.02897009	118.477	0.653468370
## 462	0.664668560	2.450000e-07	major	0.02966552	147.977	0.416766673
## 463	0.840950012	2.520000e-07	major	0.04698447	113.105	0.614659667
## 464	0.874683857	5.210000e-05	minor	0.03389486	98.159	0.424851805
## 465	0.663432360	3.500000e-06	major	0.12712131	182.822	0.788267136
## 466	0.632179379	1.732294e-02	major	0.03409823	109.331	0.737737238
## 467	0.113856487	1.715141e-01	major	0.03658290	79.046	0.221257225
## 468	0.525906324	2.600000e-06	minor	0.13339888	159.919	0.128077269
## 469	0.945908785	1.090000e-05	major	0.03971968	131.664	0.644172311
## 470	0.699322641	1.305270e-04	minor	0.03070528	92.960	0.906752169
## 471	0.570309639	1.227840e-04	major	0.13064489	135.886	0.460626304
## 472	0.504448831	6.700000e-08	major	0.08494606	97.482	0.644764125
## 473	0.534470141	1.043768e-03	major	0.03690248	181.305	0.324943870
## 474	0.492211699	2.060000e-10	major	0.10226955	166.712	0.740187407
## 475	0.770088971	1.170000e-06	major	0.03688227	151.510	0.731015563
## 476	0.843828917	1.410000e-10	minor	0.06873433	114.913	0.292054147
## 477	0.731798470	7.650000e-06	major	0.04444177	155.973	0.636324406
## 478	0.766461074	1.033552e-03	major	0.02989384	116.740	0.948500454
## 479	0.512270153	4.920000e-10	major	0.03568010	130.269	0.333914757
## 480	0.856548250	3.170000e-06	major	0.04335970	201.265	0.720201790
## 481	0.453232646	1.290710e-04	major	0.03383210	75.130	0.441002011
## 482	0.809986472	1.955850e-01	major	0.03851723	174.552	0.476255625
## 483	0.830203295	3.755957e-03	major	0.02712211	103.777	0.816906989
## 484	0.591331303	8.380000e-06	major	0.03058996	133.932	0.356183499
## 485	0.379935622	5.510000e-07	major	0.04909050	129.324	0.921130717
## 486	0.858058929	2.906970e-04	major	0.04259555	121.460	0.587877989
## 487	0.627768993	7.950000e-09	major	0.02648611	126.012	0.376045018
## 488	0.561632037	1.100000e-06	major	0.02806571	115.008	0.807185054
## 489	0.406812340	6.160000e-05	major	0.03122473	126.709	0.873390079
## 490	0.853640497	8.610000e-08	major	0.06935741	90.396	0.766802788
## 491	0.110444427	8.621642e-01	major	0.04189930	178.751	0.133465409
## 492	0.552352369	2.360000e-05	major	0.02935845	97.915	0.809290648
## 493	0.781471133	3.710900e-04	major	0.07970905	95.020	0.826155126
## 494	0.788835943	4.852358e-01	major	0.05044147	152.454	0.625615060
## 495	0.058529053	1.050000e-06	major	0.10637142	93.727	0.454957098
## 496	0.673829794	1.280000e-06	major	0.03295298	154.171	0.827254295
## 497	0.351381749	3.061160e-04	major	0.02607763	106.643	0.550361454
## 498	0.362443030	1.250000e-05	major	0.02369042	96.099	0.282934725
## 499	0.742116511	6.660000e-05	minor	0.03568449	136.211	0.529346287
## 500	0.686942279	4.464870e-04	major	0.02338169	100.060	0.402559876
## 501	0.953868091	4.989257e-03	major	0.06320833	157.952	0.948653519
## 502	0.738821268	2.180000e-10	major	0.03074510	93.259	0.916028142

## 503	0.969218075	2.760000e-07	major	0.05117152	169.804	0.733567774
## 504	0.685692370	9.940000e-07	major	0.03513509	182.843	0.826590180
## 505	0.504105330	4.220000e-05	major	0.06362126	186.379	0.686875224
## 506	0.488821328	2.916996e-03	major	0.03777130	94.270	0.363822371
## 507	0.401064068	3.230000e-08	major	0.03636281	152.974	0.240458980
## 508	0.930763960	1.630000e-10	major	0.10160886	116.007	0.611780405
## 509	0.457996130	3.340000e-08	major	0.02447095	95.359	0.497111857
## 510	0.898751974	1.402760e-02	major	0.04453949	104.895	0.756946087
## 511	0.582365751	3.995060e-04	major	0.22957213	92.650	0.690132678
## 512	0.807878196	1.672520e-04	major	0.03354647	115.287	0.843896151
## 513	0.941249132	7.664180e-04	major	0.05355075	169.343	0.821639001
## 514	0.318110973	6.405795e-03	major	0.04005336	105.038	0.380630791
## 515	0.631525755	4.240000e-07	major	0.07031801	111.128	0.880467176
## 516	0.911816061	9.100000e-05	major	0.03227054	115.999	0.749099076
## 517	0.448220909	1.640000e-05	major	0.03561906	92.039	0.591176689
## 518	0.619793236	8.479533e-02	major	0.06114018	114.098	0.318946004
## 519	0.475982308	9.830000e-07	major	0.03208077	84.938	0.644188285
## 520	0.696777701	2.238016e-02	major	0.04731942	166.001	0.744320512
## 521	0.686932385	1.290000e-05	major	0.02275106	91.201	0.752362013
## 522	0.817340791	1.420000e-06	major	0.03823320	141.607	0.778610647
## 523	0.747121751	8.270000e-05	major	0.03699824	139.454	0.277786702
## 524	0.226553723	4.496040e-04	major	0.03045640	123.526	0.097869180
## 525	0.481213033	3.830000e-05	major	0.24494171	96.252	0.192745328
## 526	0.867096305	2.451070e-04	major	0.06096043	129.950	0.966771781
## 527	0.142639875	6.355030e-04	major	0.03168676	101.213	0.094795808
## 528	0.680219173	6.370000e-08	major	0.21946591	96.916	0.810422242
## 529	0.363999188	2.580000e-06	major	0.03903176	175.863	0.207543939
## 530	0.615211487	6.280000e-05	major	0.03053270	117.706	0.566721916
## 531	0.658023000	2.800000e-13	major	0.35946676	92.039	0.660555482
## 532	0.639232397	4.380031e-02	major	0.04089086	135.253	0.979964435
## 533	0.275364429	6.730000e-08	major	0.07886464	169.404	0.553969562
## 534	0.321642786	5.808607e-01	major	0.03840772	121.427	0.208202243
## 535	0.941137910	6.230000e-05	major	0.06324993	135.105	0.464890003
## 536	0.744290829	4.655125e-03	minor	0.08676932	93.669	0.227191478
## 537	0.863496006	1.830000e-06	major	0.03834220	106.279	0.609180927
## 538	0.353657603	3.940000e-09	major	0.02701186	143.682	0.324691921
## 539	0.920964181	3.270000e-06	major	0.08682157	100.003	0.887011707
## 540	0.591364145	9.340000e-06	major	0.05013032	93.866	0.705512226
## 541	0.907536626	4.679690e-04	major	0.08447267	96.287	0.509468734
## 542	0.937926710	3.790000e-06	major	0.06453457	162.937	0.325761378
## 543	0.662551761	2.070000e-08	major	0.20992970	85.308	0.837398589
## 544	0.503844202	7.720000e-09	major	0.04243971	124.948	0.724409938
## 545	0.331919461	1.920000e-07	major	0.09556990	87.484	0.258879453
## 546	0.859139323	1.161566e-01	major	0.06626788	96.929	0.670844376
## 547	0.775978923	3.120000e-08	major	0.14555421	170.906	0.929465234
## 548	0.377146453	7.060000e-09	major	0.02775907	89.599	0.564557791
## 549	0.700786293	1.080000e-07	major	0.02851744	136.733	0.963681042
## 550	0.680328667	2.150000e-07	major	0.22367993	90.964	0.694808960
## 551	0.710823774	2.590000e-06	major	0.25048578	91.984	0.685728908
## 552	0.895931780	5.134435e-03	major	0.04972519	129.843	0.576059461
## 553	0.803899348	1.913116e-02	major	0.05159474	131.500	0.854377329
## 554	0.498958051	7.190000e-07	major	0.10799140	113.239	0.964121580
## 555	0.048597977	7.913447e-01	major	0.03792402	135.809	0.035920322
## 556	0.411015332	1.528953e-01	minor	0.02495297	75.235	0.279968858

## 557	0.448129416	6.760000e-05	major	0.02280014	98.524	0.221772060
## 558	0.407611340	5.898530e-01	minor	0.05241326	131.537	0.529977918
## 559	0.602202892	1.050000e-08	major	0.04005555	135.893	0.804416835
## 560	0.500961602	1.820000e-06	major	0.03474098	119.556	0.402981460
## 561	0.672133744	7.563840e-01	major	0.05556260	105.414	0.227757886
## 562	0.692600608	1.260000e-05	major	0.25058237	92.202	0.626911521
## 563	0.655113697	3.029590e-03	major	0.02482329	92.259	0.667881489
## 564	0.871362388	6.320000e-06	minor	0.06057592	123.851	0.966820657
## 565	0.836925626	3.841952e-03	major	0.05176458	91.303	0.549100757
## 566	0.594097316	3.840000e-07	major	0.03331156	125.806	0.741694212
## 567	0.816485167	2.210000e-08	major	0.02811611	98.219	0.753334343
## 568	0.573399782	4.410000e-08	major	0.03795835	98.424	0.903746724
## 569	0.463257074	3.960000e-08	major	0.15098564	129.945	0.414664805
## 570	0.967175007	2.020000e-09	major	0.07005554	105.095	0.532273650
## 571	0.552930415	2.160000e-08	major	0.02843556	88.062	0.758316398
## 572	0.239450291	1.530000e-09	major	0.82556695	184.136	0.735959232
## 573	0.228696406	3.170000e-08	major	0.05941721	108.167	0.888803899
## 574	0.575958073	2.773470e-04	major	0.03516686	119.953	0.371126264
## 575	0.630005121	8.930000e-13	major	0.07476327	103.647	0.771638334
## 576	0.897824466	2.210000e-05	major	0.37184516	152.215	0.523601174
## 577	0.289601207	2.247012e-03	major	0.02884726	88.523	0.168683663
## 578	0.583133459	4.460000e-11	major	0.62336922	75.579	0.374151736
## 579	0.699582934	8.910836e-01	minor	0.07518392	111.215	0.891828656
## 580	0.985141695	6.264997e-01	major	0.08223097	133.963	0.254922926
## 581	0.785636723	1.160000e-09	major	0.02910186	121.835	0.835530758
## 582	0.974230170	5.590000e-06	major	0.15667380	188.464	0.288836390
## 583	0.550640643	1.110000e-10	major	0.06164677	100.904	0.795745969
## 584	0.468122840	6.430000e-07	major	0.23910204	141.385	0.867282867
## 585	0.292112142	6.970000e-05	minor	0.71200442	75.322	0.520717323
## 586	0.839871228	3.014956e-03	major	0.03804049	139.023	0.761006534
## 587	0.807743073	1.160000e-11	major	0.06501590	79.599	0.437773019
## 588	0.704615116	1.330000e-05	minor	0.03332772	76.078	0.531680286
## 589	0.007207074	1.248635e-02	major	0.07945968	115.904	0.074643046
## 590	0.543821216	2.120000e-08	minor	0.04027351	120.188	0.612636387
## 591	0.974415064	4.604279e-02	major	0.04962140	93.048	0.756240189
## 592	0.313079774	8.328754e-03	major	0.06450613	113.927	0.499601066
## 593	0.445707470	1.081260e-04	minor	0.03048598	82.899	0.221328065
## 594	0.983005643	1.727200e-02	major	0.06233077	97.483	0.615957320
## 595	0.556071758	1.543900e-04	major	0.08447518	155.262	0.541505873
## 596	0.736981571	3.439735e-03	major	0.10837363	90.519	0.197277874
## 597	0.683283448	1.390470e-03	major	0.19411290	140.170	0.595253527
## 598	0.961081862	2.480000e-07	major	0.03148044	124.027	0.959749758
## 599	0.973473191	1.740000e-05	minor	0.03698938	108.037	0.749835670
## 600	0.675385296	5.354550e-01	minor	0.03688198	186.129	0.153344989
## 601	0.636932135	5.400000e-05	major	0.02737257	102.833	0.781878650
## 602	0.725464046	6.770000e-07	major	0.05526487	117.970	0.800864697
## 603	0.882996380	4.080000e-05	major	0.12868990	105.178	0.919808924
## 604	0.860850096	2.250000e-05	minor	0.04396289	129.953	0.969057381
## 605	0.474139273	3.446398e-03	major	0.03202536	110.566	0.978053153
## 606	0.387002856	7.570000e-06	major	0.02830794	95.173	0.696926594
## 607	0.535997868	9.780000e-05	major	0.04259742	79.763	0.281604469
## 608	0.696129680	8.800000e-12	major	0.04283705	159.771	0.817352772
## 609	0.621832609	1.422597e-02	major	0.03363503	107.994	0.252192616
## 610	0.505174994	5.334778e-03	major	0.04302558	145.288	0.588913679

## 611	0.519499898	1.950000e-06	major	0.06404488	114.484	0.522224784
## 612	0.869481444	4.060000e-06	major	0.10582714	104.430	0.858783841
## 613	0.663231671	8.650000e-08	major	0.06686974	119.086	0.850722313
## 614	0.344180614	2.347189e-03	major	0.02901996	101.390	0.343325943
## 615	0.473072231	1.860000e-09	minor	0.03134161	123.208	0.368138045
## 616	0.909515023	1.580792e-03	major	0.04583744	122.956	0.964967489
## 617	0.473212153	5.240000e-05	minor	0.26614594	95.760	0.705245376
## 618	0.695674717	9.790000e-08	major	0.23123983	84.958	0.519291759
## 619	0.759775460	3.400000e-09	major	0.25973767	91.363	0.867950559
## 620	0.806510985	9.770000e-09	major	0.04572076	187.918	0.516446054
## 621	0.851598680	3.970000e-06	major	0.17166467	95.416	0.673716247
## 622	0.755296171	8.123838e-01	major	0.03366518	137.064	0.387561440
## 623	0.667316437	8.250000e-08	major	0.02333557	112.024	0.792500615
## 624	0.613645315	7.920725e-01	major	0.04092199	95.039	0.428995639
## 625	0.470667124	2.991652e-02	major	0.03166137	96.038	0.778403282
## 626	0.777502418	1.888110e-04	major	0.03976541	78.116	0.887355566
## 627	0.634238005	1.074350e-04	major	0.04940271	119.216	0.872833550
## 628	0.467955440	1.570000e-07	major	0.14381458	146.149	0.232724264
## 629	0.682933688	2.970000e-09	minor	0.21545886	87.954	0.643660665
## 630	0.506759286	3.130000e-06	major	0.06929363	112.436	0.973223269
## 631	0.612625062	4.355949e-01	major	0.05804486	145.160	0.263322383
## 632	0.764227927	2.963258e-02	major	0.04084628	91.840	0.445131987
## 633	0.685700595	1.830000e-06	major	0.04970985	124.918	0.837696850
## 634	0.428272098	4.360000e-09	major	0.27152860	142.075	0.648727119
## 635	0.452270627	3.803160e-04	major	0.04295910	110.509	0.972923815
## 636	0.316310018	6.660000e-08	major	0.02689552	84.545	0.146153480
## 637	0.666184306	7.900000e-10	major	0.11695553	131.939	0.571150959
## 638	0.665695727	3.110000e-07	major	0.04013398	79.780	0.480587333
## 639	0.543334424	1.243131e-03	major	0.02499269	94.256	0.424686193
## 640	0.495530784	5.180000e-08	major	0.04367143	83.986	0.832651734
## 641	0.659786344	9.780000e-09	major	0.16244437	90.876	0.502575099
## 642	0.372795939	7.980000e-10	major	0.02731081	132.741	0.181649044
## 643	0.347030491	2.633970e-03	major	0.06763478	109.882	0.369673073
## 644	0.592345357	1.391797e-03	major	0.02956842	150.537	0.320332408
## 645	0.969051957	1.479625e-03	major	0.04316702	100.260	0.940476358
## 646	0.686015844	4.950000e-07	major	0.03711219	89.766	0.920036018
## 647	0.743919313	6.817747e-01	major	0.04112123	136.466	0.424583048
## 648	0.785068035	9.940000e-08	major	0.12013265	79.183	0.598084807
## 649	0.474336445	1.210000e-06	major	0.04800377	127.177	0.375677198
## 650	0.433418572	1.800000e-07	major	0.02777744	115.164	0.236169577
## 651	0.845984221	4.230000e-06	major	0.04243946	160.075	0.814886212
## 652	0.685545504	2.735137e-02	major	0.04412435	124.741	0.685588360
## 653	0.483770609	2.880000e-08	major	0.02343692	103.384	0.356838226
## 654	0.631400049	6.140000e-09	major	0.02423322	99.722	0.545038044
## 655	0.576751709	8.606700e-04	major	0.02634379	122.506	0.615117371
## 656	0.698390663	6.230000e-10	major	0.02867510	168.120	0.816129923
## 657	0.541428983	6.160000e-07	major	0.04468130	121.900	0.963233471
## 658	0.870394886	7.069823e-03	major	0.09803002	169.665	0.661302209
## 659	0.757458329	1.290000e-05	minor	0.03355510	101.750	0.969949543
## 660	0.707379580	1.492400e-04	major	0.03379295	119.576	0.654177845
## 661	0.804613173	1.019990e-04	minor	0.06179912	181.709	0.973014534
## 662	0.291592449	4.149006e-03	major	0.02840806	136.813	0.174080893
## 663	0.237022594	1.900000e-07	major	0.05260513	134.889	0.742969632
## 664	0.770300746	1.390000e-05	major	0.06112187	140.226	0.963192940

## 665	0.968132854	3.140000e-07	major	0.10815447	109.727	0.374261975
## 666	0.543213189	1.931100e-03	major	0.03017995	91.105	0.624396324
## 667	0.934560478	5.590000e-05	major	0.15321264	113.912	0.133040667
## 668	0.815136552	5.220000e-11	major	0.07480279	91.394	0.935488462
## 669	0.524203479	4.083401e-02	major	0.03519171	102.398	0.612036943
## 670	0.793361127	6.589672e-03	major	0.03301217	111.842	0.852698922
## 671	0.568387032	3.480000e-06	minor	0.03991629	134.828	0.188090175
## 672	0.733304143	2.800000e-08	major	0.02935583	98.234	0.590979993
## 673	0.267343044	2.030000e-05	major	0.02779024	87.918	0.481142223
## 674	0.479608387	9.640000e-08	major	0.02955195	139.412	0.314944088
## 675	0.856122673	1.620000e-05	major	0.03692687	130.849	0.570729733
## 676	0.556464553	3.344219e-02	major	0.02810800	85.158	0.405345380
## 677	0.963125706	1.070610e-04	minor	0.05306040	125.030	0.608814895
## 678	0.728020430	1.250000e-08	major	0.08307762	89.209	0.689633846
## 679	0.698025942	1.480000e-06	major	0.04646105	92.858	0.964831114
## 680	0.890377998	3.480912e-03	major	0.17725973	190.389	0.285869151
## 681	0.917753696	5.810000e-05	major	0.03749110	123.763	0.654977381
## 682	0.288633734	7.110000e-09	minor	0.07153440	119.873	0.507734001
## 683	0.734965742	8.805200e-04	major	0.03150399	205.232	0.334365904
## 684	0.562474668	1.266540e-03	minor	0.03194879	180.114	0.201159522
## 685	0.464035720	9.100000e-05	major	0.02758383	113.955	0.531269133
## 686	0.639944375	1.260000e-09	major	0.02753824	79.297	0.498985201
## 687	0.587844610	5.581223e-01	major	0.22667018	72.253	0.562516153
## 688	0.545934319	3.535224e-03	major	0.26138565	172.862	0.723600149
## 689	0.873569667	4.177140e-04	major	0.09246788	95.128	0.628898084
## 690	0.015865827	9.903224e-01	minor	0.04128127	75.064	0.025682395
## 691	0.745004356	5.340000e-07	minor	0.35065463	81.263	0.740525007
## 692	0.449847281	1.280000e-06	major	0.04172665	99.989	0.352364212
## 693	0.385347396	9.811791e-01	minor	0.03547616	79.864	0.039566278
## 694	0.648822069	2.748456e-03	major	0.02438330	97.758	0.391025186
## 695	0.481301427	1.030000e-06	major	0.03677930	126.108	0.836884320
## 696	0.809340715	4.360000e-08	minor	0.20779052	91.007	0.862733781
## 697	0.650628746	2.220000e-08	major	0.22341992	91.839	0.710566223
## 698	0.750888169	3.560000e-06	major	0.03701029	135.066	0.862236798
## 699	0.539058983	3.610000e-06	minor	0.04649667	96.412	0.815691173
## 700	0.486548781	8.238769e-01	major	0.23065256	93.340	0.365085602
## 701	0.982882619	6.867342e-03	minor	0.10245034	132.606	0.366067320
## 702	0.717429757	2.736061e-03	major	0.02951304	88.969	0.546786249
## 703	0.073757321	9.241275e-01	minor	0.04048812	123.664	0.052221242
## 704	0.981756449	7.556260e-02	major	0.07034295	124.149	0.437883943
## 705	0.819117785	8.818741e-03	major	0.03596578	144.260	0.405197918
## 706	0.656919897	1.465208e-03	major	0.20315382	96.084	0.111860804
## 707	0.687133908	2.990000e-06	minor	0.04874227	91.808	0.778790116
## 708	0.771031320	6.950000e-07	major	0.03643221	136.058	0.359318674
## 709	0.527292490	1.830000e-05	major	0.03286406	117.049	0.832663000
## 710	0.678884447	8.630000e-06	major	0.03171210	109.490	0.699133873
## 711	0.823812068	5.830000e-06	major	0.04790338	83.663	0.199534446
## 712	0.941417813	5.414802e-01	major	0.04543447	115.380	0.752067208
## 713	0.655945361	1.990000e-06	minor	0.04614122	172.068	0.920721292
## 714	0.803186774	5.050000e-06	major	0.07181741	126.930	0.752213418
## 715	0.499461114	1.534990e-04	major	0.04095323	88.703	0.327083915
## 716	0.559723377	3.460000e-06	major	0.02407898	83.320	0.471664488
## 717	0.920128167	4.744090e-04	major	0.07376547	166.362	0.118446007
## 718	0.795470953	2.022890e-04	major	0.05743806	123.229	0.512847126

## 719	0.872004628	8.410000e-07	major	0.05600037	173.525	0.650304675
## 720	0.959592044	5.686347e-01	major	0.18333076	96.682	0.774387956
## 721	0.890539706	9.190000e-08	major	0.05700916	148.599	0.694627523
## 722	0.674072862	7.890000e-09	minor	0.03492741	145.744	0.948022187
## 723	0.676959276	2.230000e-08	major	0.04021259	140.931	0.224859938
## 724	0.458709121	2.860000e-08	major	0.02736466	147.063	0.158196032
## 725	0.634817541	2.210000e-10	major	0.26602086	92.003	0.856338620
## 726	0.538568020	8.895930e-04	major	0.03015050	138.852	0.141267031
## 727	0.693496883	1.220000e-05	major	0.03444650	97.555	0.552946925
## 728	0.950912416	1.270000e-08	major	0.31779027	91.351	0.522152185
## 729	0.763793826	3.400000e-06	major	0.32251093	94.971	0.521675229
## 730	0.534764826	5.683484e-02	major	0.03210991	90.421	0.059684470
## 731	0.755895436	3.470000e-10	major	0.10806106	94.487	0.604529858
## 732	0.654475510	4.600000e-06	major	0.05197506	114.694	0.525805473
## 733	0.983085215	2.956192e-01	minor	0.21159825	124.536	0.186025187
## 734	0.761559844	4.965021e-01	minor	0.09808117	155.019	0.767825663
## 735	0.893739283	4.540000e-10	major	0.30904347	81.982	0.766508102
## 736	0.849438488	4.070000e-07	minor	0.09397008	98.376	0.589437485
## 737	0.708368719	1.640000e-05	major	0.08525813	88.985	0.511907697
## 738	0.662587583	6.439452e-03	major	0.02947032	207.575	0.737042964
## 739	0.950173616	7.944886e-03	major	0.08561138	176.733	0.682300627
## 740	0.908798873	3.910000e-05	major	0.08188034	108.019	0.660192609
## 741	0.521115899	1.640000e-08	major	0.02468128	101.206	0.689379930
## 742	0.705549479	6.310000e-09	minor	0.05290275	144.546	0.963117301
## 743	0.450815767	3.138110e-04	major	0.03086911	122.010	0.564585567
## 744	0.814747810	3.410000e-07	major	0.10511026	99.280	0.836698353
## 745	0.576471210	1.920000e-07	major	0.03224435	127.000	0.568599999
## 746	0.738412201	9.420000e-11	minor	0.33542123	96.902	0.837935448
## 747	0.672482729	3.554701e-01	major	0.03389663	100.091	0.171222597
## 748	0.432658106	1.040000e-08	major	0.33782601	87.886	0.765922368
## 749	0.611170948	5.700000e-08	major	0.07000893	94.752	0.686594367
## 750	0.619225860	6.830000e-07	major	0.02594151	99.273	0.795235336
## 751	0.939282119	4.570000e-07	minor	0.03413852	104.001	0.960236549
## 752	0.923395276	1.290000e-07	major	0.03471800	114.095	0.796893537
## 753	0.740942597	1.212106e-02	minor	0.03918059	122.984	0.969548345
## 754	0.890248358	2.290000e-07	major	0.21682355	104.865	0.645279765
## 755	0.310659140	1.860000e-08	major	0.02834471	129.322	0.285733789
## 756	0.320060283	2.600000e-09	major	0.04846908	174.905	0.807517111
## 757	0.667097151	2.810000e-06	major	0.02855965	117.971	0.909581840
## 758	0.679071486	3.890000e-07	major	0.02922741	128.963	0.757567823
## 759	0.313045561	5.490000e-05	major	0.02525377	84.040	0.170955583
## 760	0.579129279	9.420000e-09	major	0.03253632	88.957	0.725789726
## 761	0.539139330	2.220000e-08	major	0.04967292	132.722	0.983792186
## 762	0.927758455	1.450000e-11	minor	0.39269060	202.356	0.611486733
## 763	0.740678191	4.138084e-03	major	0.16068530	105.464	0.785871029
## 764	0.664037764	5.330000e-11	major	0.02643842	116.141	0.445774794
## 765	0.172064811	1.580000e-08	major	0.20047835	94.510	0.573144257
## 766	0.393494815	7.880000e-07	major	0.03879037	43.260	0.072408848
## 767	0.535017014	4.800000e-09	major	0.03174417	143.603	0.628645182
## 768	0.873997927	2.240000e-06	minor	0.08007260	165.090	0.882360756
## 769	0.634308279	8.278127e-01	major	0.03173881	89.752	0.501635611
## 770	0.840169489	2.654495e-03	minor	0.23874344	88.981	0.513686061
## 771	0.848681688	8.100000e-07	minor	0.28412497	94.091	0.643490016
## 772	0.761967480	8.341959e-01	major	0.03896660	161.327	0.489828140

## 773	0.411763877	6.397064e-01	major	0.04645811	184.012	0.351176888
## 774	0.783551335	2.380000e-09	major	0.04410157	157.231	0.577787161
## 775	0.697707176	8.003540e-01	major	0.03190043	102.110	0.235443488
## 776	0.573811352	1.341275e-03	major	0.18049370	170.268	0.196385577
## 777	0.796567023	6.678356e-02	major	0.05505723	117.987	0.222535431
## 778	0.313321441	1.050000e-07	major	0.03127442	129.748	0.266918182
## 779	0.585304022	1.006371e-02	major	0.02377413	100.021	0.721152663
## 780	0.882708728	2.339958e-02	minor	0.04463426	74.483	0.117659926
## 781	0.603151560	8.178740e-01	major	0.03447621	99.979	0.747326374
## 782	0.913085401	1.989326e-01	major	0.07294203	133.744	0.486022115
## 783	0.717504203	2.640000e-07	major	0.04941223	105.219	0.609317183
## 784	0.899831474	6.220000e-09	major	0.25756442	94.992	0.625092745
## 785	0.489751846	2.300000e-10	major	0.02731885	108.238	0.631847024
## 786	0.448713928	4.720000e-07	major	0.03534117	146.103	0.921597302
## 787	0.811610162	5.770000e-08	major	0.06947248	94.825	0.937788308
## 788	0.903147340	1.530000e-05	minor	0.05047339	120.069	0.570794523
## 789	0.372061163	5.902932e-01	major	0.02557474	79.705	0.553392887
## 790	0.656933069	7.561405e-03	minor	0.03739510	94.211	0.250184357
## 791	0.021585638	9.489275e-01	major	0.03872115	116.028	0.136491314
## 792	0.836138666	3.430000e-05	major	0.05062713	131.812	0.212618709
## 793	0.742808938	3.060000e-07	major	0.02815921	143.993	0.567071557
## 794	0.818969190	3.720000e-05	major	0.03677325	98.831	0.941546500
## 795	0.665683568	2.190000e-05	minor	0.21832991	98.646	0.439889580
## 796	0.573044300	1.906068e-01	major	0.02749403	126.366	0.463463128
## 797	0.715986788	2.130000e-08	major	0.27937803	102.070	0.504674733
## 798	0.434966117	1.320000e-07	major	0.39761001	85.578	0.577860415
## 799	0.450878114	7.002239e-01	major	0.05512019	96.086	0.558098674
## 800	0.443115860	4.900000e-05	major	0.03708895	112.118	0.305360287
## 801	0.512252450	7.130000e-08	minor	0.03267369	90.336	0.759230494
## 802	0.467523485	8.800618e-01	minor	0.03962803	141.463	0.076274879
## 803	0.766836643	4.490000e-07	major	0.03433264	100.984	0.526000857
## 804	0.241965935	1.803250e-04	major	0.04043685	74.200	0.072480582
## 805	0.764604509	1.054720e-01	major	0.08513583	142.377	0.395963937
## 806	0.574280918	9.790000e-14	minor	0.04677655	132.836	0.339046508
## 807	0.879831135	1.763574e-03	major	0.03635491	166.127	0.604019284
## 808	0.652680159	3.250000e-06	minor	0.06532169	68.507	0.575035512
## 809	0.659783900	1.940000e-07	major	0.03605434	171.902	0.806296408
## 810	0.976566672	2.018788e-01	minor	0.03955462	92.636	0.890390217
## 811	0.750450671	1.082640e-01	major	0.24656878	177.870	0.740104437
## 812	0.618322492	1.350000e-11	major	0.02862883	60.010	0.601037920
## 813	0.850632608	3.660850e-04	minor	0.02744411	144.015	0.648988903
## 814	0.760982752	2.679260e-04	major	0.05892065	103.302	0.976560712
## 815	0.246233031	2.300285e-01	major	0.04765765	130.593	0.573404312
## 816	0.849940598	2.930000e-05	major	0.03247642	125.030	0.589098811
## 817	0.667621434	2.798527e-03	major	0.16380404	106.831	0.857156873
## 818	0.157538921	6.083029e-03	major	0.03452296	125.740	0.139308169
## 819	0.751485646	1.190000e-09	major	0.02754616	104.599	0.439274192
## 820	0.580052614	9.300000e-07	major	0.04017326	135.988	0.840881824
## 821	0.494653344	3.590676e-03	major	0.03643905	81.068	0.126163661
## 822	0.789366066	6.960000e-05	major	0.06011524	179.889	0.485961229
## 823	0.962001383	1.540000e-06	major	0.36528879	86.849	0.709928334
## 824	0.388613999	1.602058e-01	major	0.03059680	130.015	0.648537338
## 825	0.848761678	1.854293e-01	major	0.03282593	89.328	0.512494266
## 826	0.968248665	4.738607e-01	major	0.07900400	126.083	0.439072907

## 827	0.529778898	2.737130e-04	major	0.02400379	91.779	0.678306818
## 828	0.473397166	3.150000e-13	major	0.02824131	126.925	0.251967579
## 829	0.270678580	1.290000e-06	major	0.02665337	80.129	0.621002913
## 830	0.478336960	8.430000e-08	major	0.03931752	168.569	0.669330835
## 831	0.497437149	8.202004e-01	minor	0.06088008	185.962	0.736743927
## 832	0.932481825	6.570000e-07	major	0.04263311	103.108	0.517842710
## 833	0.899502337	4.206240e-04	major	0.05005753	149.646	0.223899454
## 834	0.619571865	2.200000e-07	major	0.08501155	114.495	0.960053027
## 835	0.587230802	3.216200e-04	major	0.03645012	102.363	0.969819725
## 836	0.543191552	1.140000e-08	major	0.04071662	117.084	0.916302800
## 837	0.744086802	1.610000e-10	major	0.36653441	93.020	0.656347513
## 838	0.543047786	3.557129e-02	minor	0.03854923	140.364	0.703535557
## 839	0.922150433	3.502052e-02	minor	0.05663369	79.342	0.226564288
## 840	0.493330419	4.400000e-09	major	0.02821793	108.377	0.260053277
## 841	0.927679300	1.140000e-07	major	0.04111347	95.594	0.881626248
## 842	0.528106809	3.560000e-06	major	0.04891795	169.052	0.961510181
## 843	0.894135654	1.300000e-07	minor	0.07274520	95.992	0.845063984
## 844	0.948272586	6.412508e-03	major	0.05251978	90.569	0.523443103
## 845	0.157004982	9.341802e-01	minor	0.05712315	144.803	0.296308607
## 846	0.910398364	1.984770e-04	major	0.02970063	104.042	0.767137706
## 847	0.651226044	8.280000e-08	major	0.03288014	140.005	0.602021813
## 848	0.579346538	2.878030e-04	minor	0.05901180	130.205	0.940642834
## 849	0.543635607	3.320000e-05	major	0.04034394	107.341	0.965379715
## 850	0.836587548	1.660000e-10	major	0.22288568	109.088	0.763516545
## 851	0.760041416	2.660000e-13	major	0.23387872	83.015	0.574487388
## 852	0.113714069	8.457055e-03	major	0.03409222	132.487	0.192316741
## 853	0.971399903	2.504756e-03	major	0.08068589	108.692	0.523540020
## 854	0.703375578	2.540000e-07	minor	0.27554801	87.579	0.954710186
## 855	0.781539679	2.240000e-09	major	0.05427398	88.051	0.801485181
## 856	0.764191151	1.450000e-05	major	0.28419709	137.174	0.486532003
## 857	0.652847826	1.056400e-03	major	0.31393784	177.514	0.644872367
## 858	0.641058028	7.171045e-02	major	0.02612986	78.002	0.151585549
## 859	0.525024235	1.828570e-02	major	0.03198572	138.015	0.642043054
## 860	0.899516761	6.460000e-09	major	0.04824665	149.937	0.484234512
## 861	0.491558880	5.653537e-02	major	0.02351339	89.651	0.351701409
## 862	0.491667807	6.381121e-01	major	0.05317678	85.987	0.601442218
## 863	0.474214226	2.590000e-06	major	0.02942792	92.052	0.661954641
## 864	0.476625770	2.040355e-01	major	0.03268252	115.003	0.260380417
## 865	0.705446601	9.680000e-11	major	0.03385183	104.828	0.695315957
## 866	0.583805621	1.128273e-01	major	0.15528074	97.099	0.765712380
## 867	0.629192472	1.514590e-04	major	0.04093285	143.680	0.946463764
## 868	0.908451498	8.180000e-06	major	0.03053521	104.483	0.682684243
## 869	0.381906122	5.020000e-05	major	0.03446966	99.796	0.374737799
## 870	0.303515404	9.990000e-08	major	0.02881856	139.320	0.277449399
## 871	0.589546680	1.760000e-08	major	0.25260544	86.336	0.918304503
## 872	0.452620775	2.120000e-07	major	0.04616956	151.764	0.805330455
## 873	0.681259155	1.270000e-06	minor	0.10183622	175.213	0.743086755
## 874	0.469111443	3.080000e-07	major	0.04485987	89.747	0.825513363
## 875	0.714029014	8.512460e-04	major	0.02585753	99.907	0.484083027
## 876	0.635275900	5.850000e-06	major	0.03345907	94.099	0.617884099
## 877	0.777764499	1.330000e-05	major	0.02588596	100.155	0.419164538
## 878	0.496071219	1.436740e-04	major	0.21312341	106.997	0.377425075
## 879	0.807358086	2.420000e-05	major	0.03088486	120.781	0.729894698
## 880	0.894401133	7.670000e-05	major	0.03180945	137.443	0.367193699

## 881	0.667070091	3.170000e-08	minor	0.02539392	102.002	0.509733617
## 882	0.643125176	7.399359e-01	major	0.03274539	120.012	0.211787745
## 883	0.748939216	1.520000e-08	major	0.03733090	156.120	0.763792455
## 884	0.807691932	1.022244e-01	major	0.04068209	136.029	0.038774237
## 885	0.594574451	1.850000e-06	major	0.04329651	141.940	0.906572640
## 886	0.970131516	3.550191e-03	major	0.10731705	122.444	0.197743595
## 887	0.530952513	1.260000e-08	major	0.02805023	145.857	0.185629398
## 888	0.747763336	5.650000e-11	major	0.03732486	125.940	0.583686709
## 889	0.589063704	3.510000e-06	major	0.04546094	158.455	0.833519757
## 890	0.859456837	5.610000e-06	major	0.03643100	131.868	0.252371877
## 891	0.686146915	2.070000e-09	major	0.02543888	131.962	0.304214686
## 892	0.779914498	4.868730e-04	major	0.19917521	90.016	0.700630903
## 893	0.930296540	3.830000e-08	major	0.06707485	169.221	0.385859340
## 894	0.376852721	4.661090e-04	major	0.06086524	131.876	0.975684881
## 895	0.440361321	5.773808e-03	major	0.06059973	121.683	0.789590776
## 896	0.583642483	9.960000e-05	major	0.05700798	170.411	0.684807658
## 897	0.723126411	8.830000e-07	major	0.08416312	152.125	0.923538327
## 898	0.766279876	1.370000e-08	major	0.03130605	135.898	0.787891090
## 899	0.479957312	1.440000e-07	major	0.47287017	94.152	0.550349772
## 900	0.346344978	2.430000e-08	minor	0.31123814	123.869	0.450989068
## 901	0.891358614	6.330000e-12	major	0.34143302	78.639	0.654653430
## 902	0.572713971	9.263942e-01	minor	0.05365288	78.327	0.965729117
## 903	0.509666085	5.840000e-07	major	0.03443420	163.889	0.659393370
## 904	0.712526798	1.020000e-09	minor	0.26765621	91.998	0.656097770
## 905	0.902996182	8.640000e-08	major	0.11089066	147.981	0.578056872
## 906	0.484905541	1.850000e-05	major	0.04879590	87.457	0.771254361
## 907	0.830707550	3.520000e-07	major	0.06930332	170.088	0.367108017
## 908	0.297639966	2.440000e-08	major	0.04515652	79.383	0.172582895
## 909	0.513776898	9.350000e-11	major	0.06421488	139.938	0.447863400
## 910	0.171560645	3.160000e-05	major	0.04091119	147.239	0.471064925
## 911	0.920143902	1.000000e-07	major	0.05452400	113.038	0.525752425
## 912	0.270372272	2.242209e-01	minor	0.03817006	145.044	0.175188929
## 913	0.637129068	1.191974e-01	major	0.04043178	78.470	0.821472824
## 914	0.928599000	1.290000e-08	major	0.13168995	133.189	0.530681133
## 915	0.751634955	8.350000e-06	major	0.07940408	193.662	0.435975730
## 916	0.589100957	6.690000e-08	major	0.03865029	97.321	0.189445645
## 917	0.825070739	3.073661e-01	major	0.03213273	87.358	0.503017128
## 918	0.715003014	4.165250e-04	major	0.04324761	137.028	0.173044503
## 919	0.457086563	4.842454e-01	major	0.07672791	123.913	0.297239870
## 920	0.819652975	4.543922e-02	major	0.04102694	158.024	0.474378735
## 921	0.511978090	8.790000e-07	major	0.03347123	88.075	0.678312540
## 922	0.786947608	1.390000e-07	major	0.03144055	133.979	0.736307979
## 923	0.521901488	4.059400e-04	major	0.03723621	91.418	0.797700226
## 924	0.699053347	6.280000e-08	major	0.06108708	168.262	0.643533707
## 925	0.897393107	4.160000e-11	major	0.21732914	89.961	0.524618268
## 926	0.117978185	3.900000e-08	major	0.03158198	93.503	0.426708430
## 927	0.553061545	1.310000e-06	major	0.03023216	128.416	0.298711866
## 928	0.896933138	6.060000e-09	major	0.03568388	115.491	0.736809969
## 929	0.756012082	2.809475e-02	major	0.04656240	153.983	0.191797823
## 930	0.400472134	2.010000e-05	major	0.78826159	151.502	0.547401547
## 931	0.588500559	1.180000e-09	major	0.26186660	96.126	0.700461626
## 932	0.967949390	1.690000e-07	major	0.07016735	100.982	0.493833542
## 933	0.730086446	7.140000e-06	major	0.04373688	114.205	0.629333973
## 934	0.628711283	3.810000e-08	major	0.06603519	182.448	0.918570161

## 935	0.784518898	1.430000e-05	major	0.02486143	105.037	0.316222489
## 936	0.990991056	3.490000e-08	major	0.06812248	107.101	0.403096497
## 937	0.695089102	3.190000e-05	major	0.13364097	99.997	0.456574291
## 938	0.509809554	1.190000e-07	major	0.03684120	90.307	0.197357833
## 939	0.887315810	2.020000e-10	minor	0.08461004	154.451	0.463162810
## 940	0.808785021	2.290000e-08	major	0.03056572	80.032	0.475146115
## 941	0.688362658	4.600000e-10	major	0.24414493	83.508	0.449932456
## 942	0.893994391	1.742560e-02	major	0.06356763	189.402	0.424927264
## 943	0.683023930	6.190000e-12	minor	0.26958162	95.699	0.964274228
## 944	0.297180206	4.350000e-11	major	0.04788913	82.070	0.301343501
## 945	0.522332132	4.745618e-03	major	0.04126297	113.280	0.763018906
## 946	0.369882196	4.430000e-05	major	0.03600577	102.425	0.507142603
## 947	0.892634094	8.640000e-09	major	0.32953915	188.840	0.326362520
## 948	0.732606113	1.350000e-08	minor	0.34016254	172.925	0.869852483
## 949	0.674814343	1.029845e-03	major	0.03844718	129.010	0.538408935
## 950	0.874066770	6.387410e-04	major	0.09698638	97.317	0.861315608
## 951	0.666120172	1.290000e-09	major	0.03641317	183.896	0.267567247
## 952	0.500582159	1.674992e-02	minor	0.04488008	126.038	0.931269526
## 953	0.904504180	9.750000e-06	major	0.09121238	168.902	0.413621843
## 954	0.099016376	1.370000e-07	major	0.08078919	181.471	0.470638216
## 955	0.192569718	6.900000e-10	major	0.07093879	188.025	0.770632446
## 956	0.835320711	6.450000e-08	major	0.04459888	162.064	0.322757274
## 957	0.042620346	1.380000e-08	major	0.03395077	97.293	0.306251734
## 958	0.708359599	1.830000e-05	major	0.05450343	108.970	0.508719385
## 959	0.397959322	2.418822e-03	major	0.02595832	109.806	0.069474168
## 960	0.690907240	4.040226e-03	major	0.02476415	82.118	0.421454728
## 961	0.701396227	4.150000e-05	minor	0.02456769	138.114	0.342907339
## 962	0.423388779	4.143290e-03	major	0.02856132	122.001	0.480828792
## 963	0.041930687	7.910000e-07	major	0.05513694	125.246	0.448216259
## 964	0.974621356	8.348080e-04	minor	0.06253514	104.297	0.588682294
## 965	0.761158943	1.242342e-03	minor	0.04197190	123.500	0.176729783
## 966	0.683118045	1.952815e-01	major	0.03607096	95.483	0.271509945
## 967	0.506039262	4.220000e-08	major	0.07771358	171.630	0.965830028
## 968	0.834751487	9.124979e-03	major	0.04080051	177.814	0.665806055
## 969	0.138878718	2.770000e-09	major	0.04481989	90.325	0.460822314
## 970	0.976102591	2.165196e-01	minor	0.11140017	124.001	0.222041786
## 971	0.766882002	1.430000e-08	major	0.04486374	100.380	0.663657367
## 972	0.535040319	2.570000e-05	major	0.06451102	96.409	0.967150867
## 973	0.796137094	3.140000e-07	major	0.09020455	155.351	0.980567455
## 974	0.647353351	1.400000e-06	major	0.06938190	91.520	0.939519346
## 975	0.532927632	4.580000e-11	major	0.04204513	123.855	0.634793818
## 976	0.905840456	7.476478e-03	major	0.05519024	95.974	0.225214735
## 977	0.553116858	1.031920e-04	major	0.05943315	165.412	0.965437889
## 978	0.163212582	3.444843e-02	major	0.03100791	110.020	0.033861097
## 979	0.186518073	3.730000e-06	major	0.03518191	116.866	0.192910179
## 980	0.336242974	9.160000e-08	major	0.03961206	82.235	0.570456922
## 981	0.887137234	9.230000e-06	major	0.04716896	174.009	0.544442415
## 982	0.833329320	2.010000e-10	major	0.11298243	110.514	0.892423153
## 983	0.946313500	4.332170e-04	major	0.06876507	160.195	0.315173239
## 984	0.794496536	2.069720e-04	major	0.03844567	79.849	0.615914643
## 985	0.284954190	9.670000e-06	major	0.02711269	142.058	0.300772339
## 986	0.734947801	3.718287e-03	major	0.02471312	91.509	0.881537139
## 987	0.764929593	1.790000e-05	major	0.02649939	115.979	0.963724077
## 988	0.384077162	1.560000e-06	major	0.05156511	139.989	0.720085442

## 989	0.904984832	4.024209e-02	minor	0.04377311	122.925	0.252779573
## 990	0.433067620	8.990000e-05	major	0.02654196	135.948	0.384472758
## 991	0.506302059	1.260000e-06	major	0.03450010	141.409	0.320985109
## 992	0.626240790	5.780000e-06	major	0.02581233	128.029	0.388208866
## 993	0.447468132	2.100000e-06	minor	0.33764565	169.336	0.869035065
## 994	0.811655998	1.431023e-01	major	0.04689830	99.935	0.181493118
## 995	0.665540397	2.920000e-05	major	0.03481540	117.509	0.366432428
## 996	0.497727692	4.710000e-06	major	0.06397256	155.902	0.594148874
## 997	0.443475693	1.650000e-07	major	0.02567281	151.823	0.226310164
## 998	0.991134167	8.850000e-10	major	0.20762660	175.189	0.105461679
## 999	0.771400452	4.810000e-10	major	0.39924389	167.848	0.570289910
## 1000	0.762066782	1.543644e-03	minor	0.02883991	128.078	0.212158263
## 1001	0.085166350	5.980000e-08	minor	0.90136761	86.510	0.402354777
## 1002	0.672593832	4.010000e-05	major	0.02680125	146.943	0.277948767
## 1003	0.483589351	2.520000e-08	major	0.02649190	103.870	0.658587575
## 1004	0.531034887	3.360000e-06	major	0.27864859	76.783	0.638568223
## 1005	0.450141698	5.800000e-07	major	0.08239201	106.847	0.808659852
## 1006	0.798958719	2.630000e-05	major	0.04258750	199.804	0.462525457
## 1007	0.169025570	8.160000e-07	major	0.03555212	81.117	0.191019386
## 1008	0.738034785	1.418554e-02	major	0.03236976	126.914	0.210654959
## 1009	0.787817180	5.840000e-05	minor	0.07539228	153.018	0.326440126
## 1010	0.610564232	2.750000e-06	major	0.39942840	172.238	0.510146260
## 1011	0.487808615	2.360000e-06	major	0.06259540	199.963	0.909783423
## 1012	0.797226667	5.527800e-04	major	0.02900647	111.058	0.899795890
## 1013	0.848866403	4.490000e-09	major	0.26205978	98.879	0.657277882
## 1014	0.874289691	2.996726e-02	major	0.03531835	90.287	0.867531538
## 1015	0.547759354	1.114915e-03	major	0.03580038	76.429	0.291933000
## 1016	0.574954867	5.450000e-05	minor	0.05846636	99.985	0.655568182
## 1017	0.473915458	1.150000e-06	major	0.03152476	129.667	0.731734693
## 1018	0.871034324	5.530000e-06	major	0.04287151	137.037	0.798301399
## 1019	0.697150826	4.540000e-07	major	0.02816772	121.948	0.409365028
## 1020	0.789460063	4.250000e-10	major	0.05441529	114.028	0.960781336
## 1021	0.547058940	1.500000e-05	major	0.02641720	105.010	0.556426108
## 1022	0.444182456	3.120000e-07	major	0.02797589	72.710	0.187521338
## 1023	0.603418231	8.490000e-05	major	0.05284790	99.244	0.572171867
## 1024	0.799671531	5.380136e-02	major	0.03679172	139.361	0.290172756
## 1025	0.623993099	2.700000e-06	major	0.05428839	119.975	0.341727942
## 1026	0.396654636	3.090000e-06	major	0.03808440	150.995	0.624180913
## 1027	0.853086293	5.308013e-02	major	0.02654447	119.995	0.636188388
## 1028	0.986754358	1.223970e-04	major	0.09922306	85.629	0.220044538
## 1029	0.359057814	6.730000e-05	major	0.03557755	185.064	0.300501853
## 1030	0.592404604	8.420000e-06	major	0.03362235	139.960	0.966546595
## 1031	0.512057602	9.720000e-10	major	0.03351338	77.957	0.143717110
## 1032	0.521080792	1.245324e-01	minor	0.02802625	91.238	0.461875737
## 1033	0.882858574	2.159087e-02	major	0.09784664	123.900	0.392169058
## 1034	0.775075436	7.490000e-09	major	0.04333116	106.013	0.802825570
## 1035	0.336478829	1.580000e-09	major	0.07981624	169.547	0.602083564
## 1036	0.599560976	1.490000e-07	minor	0.06849506	125.040	0.822018206
## 1037	0.770539284	2.970000e-09	minor	0.06091530	94.161	0.700493217
## 1038	0.771599948	5.900000e-10	minor	0.04795053	167.986	0.380899996
## 1039	0.803228259	7.920000e-06	major	0.04408628	166.895	0.962510169
## 1040	0.457028538	1.140000e-07	major	0.03013803	139.679	0.166458324
## 1041	0.764717400	1.340000e-07	major	0.10909847	92.009	0.728268147
## 1042	0.902491868	2.300000e-05	major	0.05680813	94.021	0.463632524

## 1043	0.725130200	5.461714e-02	major	0.34236473	136.251	0.801537395
## 1044	0.909748912	1.110000e-07	major	0.03863369	144.073	0.692684293
## 1045	0.943762243	2.566930e-01	major	0.04893650	158.805	0.413294166
## 1046	0.951250315	7.178891e-03	minor	0.12931974	200.024	0.138763711
## 1047	0.552943587	1.220000e-08	major	0.04083102	87.102	0.854154766
## 1048	0.697564363	7.380000e-07	major	0.27642062	80.348	0.777011096
## 1049	0.610965431	1.350000e-05	major	0.06169397	139.308	0.277997166
## 1050	0.668949425	1.380000e-06	major	0.03053149	169.827	0.773962796
## 1051	0.622255027	4.120000e-06	major	0.04438614	174.235	0.545048833
## 1052	0.867113650	6.964262e-01	minor	0.05891500	123.960	0.167578518
## 1053	0.772429645	1.120000e-11	major	0.24320507	147.872	0.720998466
## 1054	0.610327184	9.640000e-12	major	0.14996119	68.552	0.234802052
## 1055	0.872044861	1.200000e-12	minor	0.56441093	67.348	0.528243005
## 1056	0.836815894	1.600000e-07	major	0.03512215	145.119	0.546352804
## 1057	0.910588980	5.148152e-02	major	0.11513221	176.062	0.039590053
## 1058	0.469916880	3.963400e-04	major	0.03235009	200.273	0.431262195
## 1059	0.621382236	9.500000e-06	major	0.02631883	112.149	0.399988562
## 1060	0.846499801	1.670000e-09	major	0.04572878	110.983	0.529257357
## 1061	0.703602195	1.186470e-04	minor	0.06666530	89.017	0.921508729
## 1062	0.225004733	7.620000e-07	major	0.02911532	138.040	0.152241006
## 1063	0.935361624	3.600000e-08	major	0.08204472	172.136	0.634105086
## 1064	0.288336575	7.020000e-07	major	0.03913680	208.039	0.971253932
## 1065	0.888467669	6.040000e-11	minor	0.05295089	176.264	0.476875812
## 1066	0.621542156	7.943614e-01	minor	0.02429976	97.981	0.766034722
## 1067	0.369481593	4.600086e-01	major	0.02963026	108.466	0.199251339
## 1068	0.845469117	1.410000e-06	major	0.04390857	131.410	0.497044295
## 1069	0.691717088	2.120000e-05	major	0.02609675	137.095	0.208824679
## 1070	0.592851698	4.780000e-05	minor	0.03820635	162.335	0.647015333
## 1071	0.670143545	5.650000e-10	major	0.08961617	140.064	0.705514371
## 1072	0.676259816	7.820000e-11	major	0.03012834	175.845	0.340853572
## 1073	0.717073917	1.492165e-03	major	0.03898703	153.942	0.770191729
## 1074	0.622386575	7.050000e-09	major	0.04092687	134.023	0.777041733
## 1075	0.541934371	1.120000e-10	major	0.05812430	173.896	0.640833616
## 1076	0.328699231	6.432187e-02	major	0.02915363	107.331	0.152080685
## 1077	0.468596250	3.060000e-10	major	0.08348609	139.975	0.777695656
## 1078	0.935447156	1.290564e-02	major	0.04265087	127.436	0.815020621
## 1079	0.961592793	6.410000e-10	major	0.10094557	160.195	0.532887876
## 1080	0.458816767	1.900000e-10	minor	0.40728113	81.444	0.510275960
## 1081	0.439393073	2.169395e-02	major	0.02680977	134.194	0.040057443
## 1082	0.760366261	1.161420e-04	major	0.03611658	113.063	0.807011962
## 1083	0.935740232	1.370000e-07	major	0.07134579	101.717	0.638073027
## 1084	0.537336707	7.770000e-10	major	0.02931167	135.761	0.299874902
## 1085	0.718042552	1.150000e-09	major	0.46059024	92.163	0.492811471
## 1086	0.767697513	9.050553e-01	major	0.03474059	122.583	0.857893229
## 1087	0.569126427	1.690000e-06	major	0.02740372	82.944	0.385268390
## 1088	0.482558072	2.310000e-08	major	0.03149921	177.186	0.285202086
## 1089	0.411725223	4.140000e-07	major	0.02861122	100.879	0.112967283
## 1090	0.861978829	3.163030e-04	major	0.06373528	174.114	0.530648530
## 1091	0.640266180	1.810000e-05	major	0.03777093	125.015	0.714655757
## 1092	0.968452156	8.280000e-06	major	0.03962080	125.040	0.505332649
## 1093	0.941713035	4.060000e-10	major	0.11614308	144.063	0.147788838
## 1094	0.556824207	8.200000e-08	major	0.05210273	155.687	0.482082307
## 1095	0.933494687	1.940000e-07	major	0.05743342	154.163	0.446660072
## 1096	0.412442386	4.801180e-04	major	0.04378480	87.983	0.668645501

## 1097	0.638740301	2.610000e-07	major	0.03423332	147.985	0.506033123
## 1098	0.673358083	9.950000e-08	major	0.03536404	164.049	0.272838920
## 1099	0.571371198	2.080000e-05	major	0.03028631	147.010	0.289674759
## 1100	0.610114276	7.230000e-05	major	0.04978005	118.192	0.931461334
## 1101	0.730451763	2.840000e-11	major	0.11432357	95.632	0.925147116
## 1102	0.899859071	1.090000e-05	minor	0.06560479	176.962	0.558446884
## 1103	0.338643223	4.220000e-09	major	0.03029780	114.413	0.603378654
## 1104	0.859475791	1.630000e-10	major	0.06927160	157.898	0.440682054
## 1105	0.546973884	9.450000e-05	major	0.02989328	125.889	0.282280773
## 1106	0.366727829	1.570000e-06	major	0.14576832	129.638	0.569628417
## 1107	0.786513090	4.260000e-05	major	0.04528118	117.990	0.917086601
## 1108	0.833719313	1.430000e-08	major	0.02960743	186.141	0.321497828
## 1109	0.428302228	9.150000e-07	major	0.03024348	93.835	0.477249950
## 1110	0.494002163	3.110000e-11	major	0.04522144	148.917	0.961504996
## 1111	0.632954538	5.810000e-12	major	0.03083214	78.272	0.745895267
## 1112	0.904304922	4.490000e-06	major	0.10170320	163.929	0.320403337
## 1113	0.477849096	1.360000e-05	major	0.02637375	137.931	0.135196358
## 1114	0.898214638	4.300000e-08	minor	0.03666442	162.058	0.461630970
## 1115	0.908733249	2.800000e-06	major	0.04965987	110.027	0.959880412
## 1116	0.872104526	1.830000e-06	major	0.07022026	71.515	0.731545269
## 1117	0.874029517	4.700000e-07	minor	0.04816098	114.797	0.422728688
## 1118	0.331876069	1.200000e-07	major	0.04027935	121.937	0.299366534
## 1119	0.157444030	4.095600e-04	major	0.03057089	68.870	0.105963238
## 1120	0.962380707	2.640000e-05	minor	0.08800663	198.745	0.395905167
## 1121	0.561092734	6.413146e-03	major	0.02696574	164.791	0.540642679
## 1122	0.940903127	2.950000e-07	major	0.07947387	114.996	0.728458464
## 1123	0.391166300	5.190000e-10	minor	0.03340287	144.069	0.348987937
## 1124	0.363120258	1.490000e-09	minor	0.02655813	96.488	0.664884746
## 1125	0.991181910	5.323210e-04	minor	0.11466233	179.942	0.134701684
## 1126	0.539082170	1.797899e-02	major	0.02934926	81.686	0.298023194
## 1127	0.942612350	2.200000e-07	major	0.13469128	187.035	0.543785453
## 1128	0.709321558	7.440000e-09	major	0.11514618	132.843	0.932619154
## 1129	0.573228478	4.710000e-10	major	0.03087993	86.298	0.900737166
## 1130	0.466927707	4.210000e-11	major	0.02977608	119.938	0.522459865
## 1131	0.748155653	8.280000e-07	major	0.21107218	130.983	0.669073045
## 1132	0.504658461	5.690000e-06	major	0.08477244	119.992	0.738247991
## 1133	0.929951847	2.740000e-08	minor	0.04736506	154.950	0.782880187
## 1134	0.851577520	7.770000e-07	major	0.08107009	145.392	0.716456056
## 1135	0.354416847	1.200000e-08	major	0.46286953	77.898	0.644531608
## 1136	0.746727943	2.879190e-04	minor	0.03421479	123.685	0.531019211
## 1137	0.830558658	1.720000e-10	major	0.04880385	172.605	0.551160693
## 1138	0.558468282	1.560000e-06	major	0.03446501	129.979	0.961287022
## 1139	0.623419762	9.020000e-07	major	0.02668699	121.999	0.759335279
## 1140	0.708337009	1.792812e-03	major	0.04494365	107.078	0.481328189
## 1141	0.425389051	1.670000e-07	major	0.02670423	112.093	0.085942142
## 1142	0.992522776	2.172704e-03	major	0.06136892	107.933	0.279737562
## 1143	0.828320861	1.023892e-02	major	0.04539651	122.229	0.668995202
## 1144	0.586800933	3.310000e-07	major	0.03327314	133.934	0.299007863
## 1145	0.635094523	3.420000e-05	major	0.02562480	144.476	0.227995247
## 1146	0.315906018	2.310214e-01	major	0.04161422	106.133	0.670997977
## 1147	0.610906482	4.799543e-01	major	0.17060240	189.195	0.747142732
## 1148	0.873969018	6.500000e-05	major	0.18214020	115.955	0.468424916
## 1149	0.795966446	2.610000e-05	major	0.04942749	169.835	0.329753399
## 1150	0.615963399	1.800000e-07	major	0.03326233	108.032	0.362559795

## 1151	0.406767756	7.380000e-05	major	0.02534582	79.034	0.255624890
## 1152	0.583580434	3.280000e-09	minor	0.06374653	95.913	0.499117076
## 1153	0.954171181	3.770000e-07	minor	0.15472551	195.014	0.485373676
## 1154	0.694261253	1.810000e-06	major	0.02534477	93.015	0.508642077
## 1155	0.653228045	3.440000e-05	major	0.03329980	135.601	0.261703432
## 1156	0.811720967	3.830000e-08	major	0.23112212	154.955	0.461565584
## 1157	0.881024778	1.220000e-10	minor	0.08268452	101.038	0.597220600
## 1158	0.402361274	6.980000e-05	major	0.03081034	133.848	0.112021253
## 1159	0.873964548	2.750000e-08	major	0.06946542	107.260	0.842570543
## 1160	0.749942780	3.170000e-06	minor	0.03626089	119.972	0.785731792
## 1161	0.792553782	1.150000e-06	major	0.03077430	158.103	0.677560210
## 1162	0.954849184	3.570000e-05	minor	0.09656378	163.947	0.251919001
## 1163	0.177545354	4.440000e-06	major	0.03760837	137.884	0.677030206
## 1164	0.655149162	5.531675e-01	major	0.04838896	91.026	0.270806372
## 1165	0.963169277	1.490000e-07	minor	0.04838774	160.071	0.527618408
## 1166	0.805228949	2.058796e-01	major	0.05208836	110.105	0.953352988
## 1167	0.713622689	1.673811e-03	major	0.28171194	147.312	0.960424840
## 1168	0.114169955	3.510000e-05	major	0.03830585	70.394	0.274893433
## 1169	0.791292906	8.450000e-07	major	0.03773154	137.752	0.663822353
## 1170	0.780153394	1.380280e-03	major	0.03574381	100.326	0.320087492
## 1171	0.935917854	1.510000e-06	major	0.05439377	158.924	0.489838511
## 1172	0.301022112	1.670000e-07	major	0.03234338	79.993	0.087066561
## 1173	0.817937851	2.390000e-08	minor	0.04040433	137.771	0.735594690
## 1174	0.765249789	3.125890e-04	major	0.03491546	135.457	0.452297091
## 1175	0.369197756	9.590000e-07	major	0.03188610	88.724	0.539742053
## 1176	0.014089732	6.262457e-01	minor	0.04074475	67.859	0.456128716
## 1177	0.768953562	7.310000e-08	minor	0.04218601	122.507	0.127040267
## 1178	0.765690386	5.070000e-08	major	0.02906133	80.114	0.492404491
## 1179	0.895813346	1.920000e-06	minor	0.08359131	178.423	0.313902318
## 1180	0.653026223	2.350000e-09	major	0.02976404	143.024	0.206065968
## 1181	0.827130616	2.776990e-04	major	0.02623204	120.202	0.752010703
## 1182	0.894950926	1.761940e-04	minor	0.07137748	120.010	0.920471191
## 1183	0.496462494	1.330000e-05	major	0.04456264	104.949	0.676998496
## 1184	0.660213292	6.311610e-04	minor	0.03200116	104.047	0.219085574
## 1185	0.506371260	1.600000e-08	major	0.02688361	152.175	0.390384257
## 1186	0.301866889	8.904998e-01	major	0.04257688	126.070	0.393120617
## 1187	0.907663584	1.040000e-08	major	0.02837492	120.009	0.972524107
## 1188	0.380322635	2.365011e-01	major	0.03029950	76.997	0.079101495
## 1189	0.447901011	6.710000e-10	major	0.26675287	90.019	0.719686687
## 1190	0.728473723	4.670000e-06	major	0.03716941	90.005	0.547179401
## 1191	0.351070851	2.380000e-06	major	0.11823826	113.204	0.815612972
## 1192	0.746927917	1.050000e-09	major	0.03170017	116.001	0.932330549
## 1193	0.788980126	6.130000e-09	major	0.06608241	101.035	0.827041626
## 1194	0.977145970	2.350533e-02	major	0.09949713	105.825	0.239086971
## 1195	0.570002675	2.170000e-07	major	0.10409257	75.025	0.553193390
## 1196	0.611737788	2.270000e-10	major	0.04736078	139.955	0.658734798
## 1197	0.636026502	1.231549e-02	major	0.02963594	109.460	0.095907658
## 1198	0.861073256	7.720000e-08	major	0.03512277	104.007	0.509410799
## 1199	0.737191021	8.057146e-03	major	0.03858891	119.961	0.411920696
## 1200	0.884984732	2.410000e-07	major	0.31503457	159.873	0.789493501
## 1201	0.819847524	4.750000e-07	minor	0.10301955	83.415	0.397760659
## 1202	0.631725013	3.560000e-12	major	0.02732239	130.006	0.315594584
## 1203	0.895691931	5.800000e-11	major	0.05451355	90.064	0.629903138
## 1204	0.475613475	2.515940e-04	major	0.11122873	191.259	0.116059415

## 1205	0.619526505	2.315730e-04	major	0.02535116	112.043	0.224807993
## 1206	0.861024320	2.240000e-11	major	0.42038077	174.184	0.862039328
## 1207	0.539082706	8.870000e-14	major	0.27785549	145.129	0.621359050
## 1208	0.575814366	2.350000e-12	major	0.14621834	110.046	0.833721280
## 1209	0.560352087	1.610000e-06	major	0.06697649	94.518	0.367754668
## 1210	0.647938132	4.650000e-05	major	0.03395294	147.443	0.124939866
## 1211	0.701442242	1.180000e-10	major	0.03189945	136.993	0.612622023
## 1212	0.754420698	2.160000e-09	major	0.11760677	90.010	0.564803421
## 1213	0.783771455	7.190000e-06	major	0.19416186	152.800	0.649897099
## 1214	0.651884139	2.454757e-01	major	0.03805828	79.375	0.741996408
## 1215	0.953355074	5.230000e-08	minor	0.08538859	154.934	0.660010278
## 1216	0.718315542	2.500000e-11	major	0.02984680	132.930	0.705735147
## 1217	0.415269345	4.510000e-05	major	0.03434781	120.331	0.358593822
## 1218	0.898211122	2.170000e-08	major	0.13314606	125.745	0.539041102
## 1219	0.893309653	2.438099e-02	minor	0.10771165	124.850	0.180353403
## 1220	0.558481276	8.862206e-01	major	0.02922615	82.193	0.467519522
## 1221	0.486863762	3.050000e-13	major	0.02813541	116.027	0.352014571
## 1222	0.266785562	3.280000e-08	major	0.02960442	112.250	0.289390296
## 1223	0.823354959	1.187411e-03	major	0.03085690	114.613	0.870927274
## 1224	0.420300037	5.430000e-08	major	0.03139412	146.055	0.137931883
## 1225	0.902205586	2.623890e-01	major	0.04914270	160.056	0.324497551
## 1226	0.692167222	2.940000e-07	major	0.17077683	128.489	0.761812270
## 1227	0.150855049	1.600000e-08	major	0.03860535	143.689	0.331410259
## 1228	0.347952724	2.210000e-09	major	0.34415865	162.312	0.455972672
## 1229	0.393687099	1.326854e-02	major	0.02574454	81.675	0.470811188
## 1230	0.883565903	2.235961e-02	minor	0.05870511	178.021	0.792870164
## 1231	0.663688660	7.090000e-06	minor	0.02681960	113.089	0.680393398
## 1232	0.629101992	3.970000e-11	minor	0.02605376	95.043	0.393353611
## 1233	0.501254559	6.120000e-05	major	0.03843712	145.203	0.737207711
## 1234	0.624313295	1.280000e-05	major	0.03146530	151.160	0.696022213
## 1235	0.790582240	5.610000e-07	major	0.26636481	77.473	0.948608637
## 1236	0.830220461	5.037152e-03	major	0.03905981	148.179	0.745651841
## 1237	0.542723954	5.780000e-07	major	0.02868835	138.003	0.208441913
## 1238	0.806085050	3.860000e-08	major	0.04238830	103.655	0.702757418
## 1239	0.851503789	5.790000e-05	major	0.05430629	140.267	0.234012187
## 1240	0.796014965	3.010000e-08	major	0.12284367	158.136	0.836544394
## 1241	0.603646517	2.860000e-09	major	0.30904040	76.994	0.638016284
## 1242	0.876784146	7.993724e-03	major	0.02952411	154.425	0.704634905
## 1243	0.936205864	3.270000e-07	major	0.30493474	71.959	0.836910248
## 1244	0.940402687	6.260000e-11	major	0.07907364	118.655	0.552989066
## 1245	0.908040822	1.267602e-03	major	0.03912687	139.283	0.530554116
## 1246	0.721755743	5.670000e-10	major	0.33959943	97.867	0.622803152
## 1247	0.936799586	2.740000e-07	major	0.06288867	116.907	0.684114635
## 1248	0.566302776	7.951405e-01	major	0.02931354	125.747	0.294884056
## 1249	0.571042538	3.764937e-02	major	0.03231539	159.102	0.518101156
## 1250	0.929259241	4.710536e-01	major	0.08189960	144.969	0.460580170
## 1251	0.647060871	2.443820e-04	major	0.03407120	141.467	0.967448413
## 1252	0.662735105	3.320000e-12	major	0.05726147	84.967	0.091706604
## 1253	0.294129103	3.096490e-04	major	0.02616470	74.532	0.296831518
## 1254	0.765242159	2.236686e-03	major	0.05333431	82.271	0.616696239
## 1255	0.545644760	2.716630e-04	minor	0.15698615	148.053	0.239477441
## 1256	0.209082350	4.430390e-04	major	0.02785310	137.042	0.151497379
## 1257	0.315847725	1.110000e-08	minor	0.03215716	150.000	0.529118836
## 1258	0.888255596	1.740000e-09	major	0.04011459	146.781	0.364891648

## 1259	0.555017471	2.580000e-07	major	0.04866450	94.011	0.525139034
## 1260	0.809064209	8.924059e-01	major	0.03168350	166.057	0.924465358
## 1261	0.633337379	5.710000e-07	major	0.03089372	109.938	0.595506489
## 1262	0.797261655	5.390000e-13	major	0.14494336	154.033	0.774617612
## 1263	0.289082199	3.443067e-01	major	0.03663550	121.857	0.225868642
## 1264	0.151907593	2.219952e-02	major	0.03897251	105.212	0.111420259
## 1265	0.645700037	4.180000e-05	major	0.13032407	169.769	0.574628830
## 1266	0.894475937	7.460000e-05	major	0.04330944	98.033	0.929087520
## 1267	0.841017962	5.480000e-06	minor	0.22125079	99.831	0.669961870
## 1268	0.949068069	2.045150e-02	major	0.08155062	130.009	0.744134367
## 1269	0.723979175	6.950000e-13	major	0.10052297	140.130	0.807518423
## 1270	0.669943988	1.658430e-04	minor	0.04145053	71.988	0.687934041
## 1271	0.740976274	2.024200e-04	major	0.09713085	98.452	0.896406770
## 1272	0.427646548	2.190000e-13	minor	0.16012415	86.953	0.659854233
## 1273	0.268394053	4.230000e-09	major	0.13585465	120.060	0.663663387
## 1274	0.956368327	1.400000e-08	major	0.17986818	179.701	0.092677914
## 1275	0.384511650	5.734546e-01	major	0.02946409	140.187	0.422430754
## 1276	0.632173955	2.330000e-09	major	0.03623239	143.786	0.084171593
## 1277	0.544259787	1.960000e-05	major	0.07957999	93.021	0.801103950
## 1278	0.557492793	2.270000e-05	major	0.03166426	131.018	0.512025714
## 1279	0.865309596	1.180000e-05	minor	0.02964398	105.989	0.519624472
## 1280	0.562312067	1.370000e-05	major	0.03767682	125.075	0.924447894
## 1281	0.674028397	1.680000e-07	minor	0.04515498	125.938	0.304625541
## 1282	0.489325345	1.330000e-05	minor	0.05332498	120.054	0.376168013
## 1283	0.706674695	4.390000e-13	major	0.12458316	151.100	0.964021504
## 1284	0.763813317	1.230000e-08	major	0.03631140	161.416	0.598018348
## 1285	0.849165916	5.500000e-09	major	0.10577398	75.973	0.739872575
## 1286	0.938189685	4.690000e-11	minor	0.08681607	130.018	0.655461490
## 1287	0.506032646	5.270000e-08	major	0.02984166	105.020	0.886572540
## 1288	0.681704104	2.112177e-03	major	0.03319366	139.442	0.314302623
## 1289	0.717556953	1.140000e-08	major	0.03395528	157.722	0.452548862
## 1290	0.683527470	3.788850e-04	major	0.08897287	116.964	0.544567049
## 1291	0.639170468	1.040000e-07	major	0.02553553	127.934	0.453349590
## 1292	0.411438197	1.150000e-06	major	0.03160733	117.335	0.696722090
## 1293	0.664391696	1.200000e-05	minor	0.03224256	162.084	0.486746460
## 1294	0.709610641	7.550000e-09	major	0.03113846	149.913	0.475789011
## 1295	0.969301403	3.854244e-03	major	0.07191283	136.016	0.568379998
## 1296	0.799984574	1.673980e-04	major	0.02653069	97.094	0.662133276
## 1297	0.914284706	4.880000e-11	major	0.11129026	156.014	0.921602845
## 1298	0.553329527	1.190000e-07	major	0.03685941	119.975	0.471825480
## 1299	0.481433302	5.100000e-08	minor	0.23040834	156.131	0.825785816
## 1300	0.356384128	2.401527e-02	major	0.03055286	59.562	0.311968923
## 1301	0.646106243	9.560000e-10	major	0.22078574	95.005	0.538479984
## 1302	0.339885473	5.970000e-08	major	0.02641868	92.702	0.222612381
## 1303	0.747032702	1.510000e-08	minor	0.04843256	153.151	0.877415299
## 1304	0.240152419	3.532185e-02	major	0.02891408	94.811	0.151659459
## 1305	0.497768253	2.690000e-07	major	0.06607024	156.799	0.965631902
## 1306	0.619200110	7.620000e-11	major	0.02958348	136.069	0.425811738
## 1307	0.905052662	6.659910e-04	major	0.02765653	95.830	0.906357408
## 1308	0.386828870	2.960000e-07	major	0.33408210	116.629	0.344160259
## 1309	0.637730300	2.510000e-09	major	0.06860355	105.928	0.431307495
## 1310	0.930314958	9.250000e-13	major	0.24564879	84.441	0.432485670
## 1311	0.730772138	4.870000e-06	major	0.05008506	123.509	0.793642282
## 1312	0.905413270	1.030000e-08	major	0.06712297	126.120	0.598321021

## 1313	0.732710004	3.070000e-06	major	0.03819931	79.999	0.233393326
## 1314	0.763485730	2.590000e-08	major	0.03147344	76.976	0.661867380
## 1315	0.144747138	1.694999e-02	major	0.08474952	104.252	0.386381567
## 1316	0.432952195	8.755750e-04	major	0.19885953	148.073	0.439637780
## 1317	0.452368736	6.070000e-09	major	0.06189587	172.034	0.542102277
## 1318	0.712636471	2.215670e-02	major	0.05664109	87.936	0.442768931
## 1319	0.648823261	7.520000e-10	major	0.03376566	129.992	0.668908656
## 1320	0.391758353	6.810000e-08	major	0.04475461	80.029	0.685990810
## 1321	0.564154088	1.760216e-01	minor	0.06681671	136.039	0.553172708
## 1322	0.046661645	2.419603e-01	major	0.05146633	181.165	0.034854032
## 1323	0.700559378	8.730000e-09	minor	0.03051959	85.058	0.305342764
## 1324	0.722343385	2.130000e-07	minor	0.04271134	132.973	0.389490455
## 1325	0.817196369	1.770000e-09	major	0.28101027	100.065	0.714498758
## 1326	0.417013615	4.360000e-08	major	0.03540531	130.032	0.720841646
## 1327	0.685416281	1.440000e-06	major	0.03077702	79.019	0.419346601
## 1328	0.693592191	5.781809e-01	major	0.03013541	140.024	0.219821751
## 1329	0.965245068	2.960000e-12	major	0.26242512	139.895	0.446409017
## 1330	0.709713221	5.010000e-07	major	0.09189922	129.945	0.672988594
## 1331	0.554910362	1.887343e-02	major	0.02926566	134.549	0.393540680
## 1332	0.637706578	2.620000e-06	major	0.24790394	80.992	0.476337224
## 1333	0.625451148	2.580000e-11	minor	0.36267352	145.774	0.763766110
## 1334	0.682664514	4.766567e-03	major	0.02533035	92.019	0.451839507
## 1335	0.769025683	1.690000e-10	major	0.03196778	144.025	0.294027597
## 1336	0.821599424	8.186263e-03	major	0.07649215	108.997	0.532039046
## 1337	0.871832430	2.240000e-05	minor	0.06386796	94.182	0.395018190
## 1338	0.501692057	3.790000e-06	major	0.03019530	140.032	0.599361956
## 1339	0.916512430	2.380000e-10	major	0.10303939	175.716	0.506235719
## 1340	0.891797364	3.630000e-10	major	0.07042782	92.981	0.594110906
## 1341	0.751012981	5.820000e-09	minor	0.21562511	175.891	0.606720388
## 1342	0.491594076	3.700000e-07	major	0.03751595	131.587	0.150207534
## 1343	0.846164048	9.081436e-02	minor	0.05108836	130.982	0.539109170
## 1344	0.829573572	1.120000e-05	major	0.12448555	170.062	0.976623952
## 1345	0.785531104	4.430000e-10	major	0.04050384	105.030	0.366906375
## 1346	0.399682969	1.741520e-01	minor	0.03037029	172.662	0.313386738
## 1347	0.812488973	5.010000e-10	minor	0.03795216	96.317	0.465696961
## 1348	0.686834157	1.080000e-08	minor	0.30764607	149.989	0.501663029
## 1349	0.770119309	3.910000e-08	minor	0.03355085	147.280	0.790342867
## 1350	0.612785280	9.240000e-08	major	0.04006558	120.231	0.695771754
## 1351	0.751251280	4.500000e-13	major	0.08123948	92.009	0.611508548
## 1352	0.759911060	4.270000e-13	major	0.03210768	100.953	0.849456489
## 1353	0.795979619	1.564280e-04	major	0.03255869	164.161	0.342419773
## 1354	0.473924279	4.979531e-01	major	0.03452145	148.992	0.366532803
## 1355	0.688474298	1.720000e-07	major	0.27049518	114.360	0.634436250
## 1356	0.692662477	1.570000e-06	minor	0.03184606	145.060	0.766465664
## 1357	0.545054317	9.037424e-01	minor	0.02992777	129.986	0.527015567
## 1358	0.678427458	4.720000e-11	major	0.04195203	120.087	0.960251689
## 1359	0.955559433	1.825030e-04	major	0.04335506	93.974	0.606896639
## 1360	0.812635660	6.340000e-08	major	0.29515219	125.033	0.641576409
## 1361	0.745963514	6.630000e-11	major	0.25925401	135.021	0.469961107
## 1362	0.956559420	2.710000e-07	major	0.05291009	135.013	0.675968707
## 1363	0.726371467	1.660711e-03	major	0.03615206	147.251	0.357390434
## 1364	0.625115633	2.143227e-01	major	0.02529177	81.980	0.516638279
## 1365	0.552038968	3.110000e-09	minor	0.09147846	133.855	0.352949709
## 1366	0.643005490	5.400000e-05	major	0.10925639	117.697	0.651863277

## 1367	0.779147208	3.050000e-05	minor	0.03966912	123.992	0.130139738
## 1368	0.975998998	1.819230e-04	major	0.07492816	184.076	0.585363448
## 1369	0.751955509	1.660000e-05	minor	0.14779703	140.028	0.652235091
## 1370	0.046484962	9.563921e-01	major	0.04756962	167.130	0.157140121
## 1371	0.655880809	2.760000e-05	major	0.06540865	90.984	0.527342021
## 1372	0.734833717	4.150000e-09	major	0.03142677	145.886	0.416104019
## 1373	0.507276654	7.390000e-06	major	0.06009069	133.953	0.472670138
## 1374	0.873761773	1.350000e-10	major	0.02643091	99.998	0.727383256
## 1375	0.707090199	5.500000e-07	major	0.03318665	150.096	0.894012928
## 1376	0.600585222	2.630000e-05	major	0.03679330	86.006	0.395614743
## 1377	0.423472494	5.850000e-09	major	0.02902445	205.098	0.471573025
## 1378	0.659466267	1.140000e-08	major	0.34516966	185.947	0.250404567
## 1379	0.836325586	8.390000e-08	major	0.08106005	138.947	0.628488958
## 1380	0.720688701	1.070000e-11	major	0.02964663	134.870	0.650770664
## 1381	0.729100466	2.190000e-08	major	0.32646751	117.932	0.511860967
## 1382	0.901266932	2.880000e-10	major	0.03320223	124.959	0.483807147
## 1383	0.195363358	7.591162e-01	major	0.03873868	77.721	0.096277870
## 1384	0.941225648	1.570000e-09	major	0.06491571	162.999	0.644159555
## 1385	0.682332158	3.840000e-10	minor	0.03739232	160.519	0.354814172
## 1386	0.690681577	2.110000e-08	major	0.02762487	112.451	0.463099867
## 1387	0.978303552	3.860000e-09	major	0.31816796	134.307	0.142798990
## 1388	0.759765685	4.050000e-13	major	0.05874346	89.958	0.467809796
## 1389	0.224724457	9.750943e-03	major	0.03320936	113.421	0.103908278
## 1390	0.825240612	5.800000e-05	major	0.04285269	144.085	0.706528008
## 1391	0.833126664	7.267860e-04	major	0.03547551	119.939	0.679956019
## 1392	0.795976698	1.250000e-06	major	0.03776305	165.990	0.400868058
## 1393	0.762430608	1.050000e-05	minor	0.05587408	182.694	0.961940467
## 1394	0.170913145	9.442984e-01	minor	0.04318328	83.170	0.057635881
## 1395	0.320526779	3.340000e-07	major	0.03887167	96.005	0.450226635
## 1396	0.404951900	2.900000e-08	major	0.04016098	80.122	0.771778286
## 1397	0.409306347	1.825430e-01	minor	0.02851384	76.364	0.114711568
## 1398	0.556750536	4.676730e-04	major	0.04851671	85.010	0.624710560
## 1399	0.365772277	1.519160e-04	major	0.03108417	147.613	0.220846429
## 1400	0.636961460	6.120000e-06	major	0.02379609	79.955	0.609284401
## 1401	0.739866316	8.941780e-04	major	0.03565650	165.043	0.099301234
## 1402	0.942191839	1.310000e-08	major	0.05634604	172.070	0.724316955
## 1403	0.378916353	1.120000e-07	major	0.06506631	132.010	0.970833778
## 1404	0.397172183	1.900000e-11	major	0.02818080	96.987	0.512839317
## 1405	0.693981290	5.540000e-08	minor	0.25800443	156.149	0.659166873
## 1406	0.338049889	4.310000e-06	major	0.03236569	179.448	0.275192201
## 1407	0.169729143	9.822335e-01	major	0.03431029	60.082	0.094701432
## 1408	0.166199937	7.430000e-10	major	0.04722659	119.055	0.249350041
## 1409	0.709725976	3.110000e-08	major	0.10820817	128.055	0.627563596
## 1410	0.849706352	2.940000e-10	major	0.49101227	83.946	0.798582137
## 1411	0.688738227	4.700000e-06	major	0.04165921	120.012	0.985619068
## 1412	0.574725866	9.480000e-06	major	0.02896982	148.465	0.452596337
## 1413	0.937544584	4.050000e-07	minor	0.12669836	160.020	0.176928774
## 1414	0.785815597	2.110000e-05	major	0.05835314	117.571	0.879443824
## 1415	0.747600079	1.060000e-14	minor	0.05529804	116.939	0.765475869
## 1416	0.726063073	3.660000e-10	major	0.06551653	78.010	0.446115285
## 1417	0.884652376	8.190000e-09	major	0.10463186	171.143	0.656994104
## 1418	0.883219779	7.510000e-06	major	0.03294495	136.506	0.978143990
## 1419	0.781836033	1.660000e-06	major	0.30579629	147.655	0.601631165
## 1420	0.484940290	5.880000e-06	major	0.03497281	140.216	0.105069980

## 1421	0.889722168	1.900000e-06	major	0.03121052	123.002	0.927823663
## 1422	0.621524692	1.742820e-04	major	0.04042108	115.293	0.263916731
## 1423	0.392850161	7.960956e-01	major	0.02652565	92.025	0.222802237
## 1424	0.927399337	4.420000e-08	major	0.05537476	141.966	0.806679606
## 1425	0.906394541	1.460000e-10	major	0.06470162	127.917	0.293904662
## 1426	0.950428903	1.010000e-05	major	0.05029370	146.035	0.732759416
## 1427	0.239185885	9.061099e-01	minor	0.03367363	75.228	0.036797464
## 1428	0.841002047	2.910000e-05	major	0.03232904	116.982	0.824800491
## 1429	0.022935499	9.176204e-01	major	0.04348960	95.860	0.229152218
## 1430	0.785858691	7.671156e-03	major	0.03771377	97.540	0.305086046
## 1431	0.754211605	1.440000e-09	major	0.03439797	132.020	0.698421061
## 1432	0.638264060	2.270000e-05	major	0.03314813	148.262	0.369063884
## 1433	0.520000935	7.359504e-01	major	0.03941897	107.056	0.476407737
## 1434	0.664198041	1.880000e-07	major	0.03409275	113.934	0.484177858
## 1435	0.651064217	1.720000e-07	major	0.14072272	108.858	0.362937868
## 1436	0.104203016	5.678147e-01	minor	0.03288854	81.202	0.029869176
## 1437	0.806615949	3.581400e-04	major	0.03149086	135.008	0.398315579
## 1438	0.859507501	2.960000e-11	major	0.10595531	148.824	0.666273236
## 1439	0.719009221	3.620000e-08	major	0.11085726	113.629	0.874113500
## 1440	0.933142006	3.940000e-09	major	0.08677579	149.998	0.714400053
## 1441	0.881263018	5.400000e-10	major	0.06662617	129.950	0.708845913
## 1442	0.309955418	2.685166e-02	major	0.06278802	139.329	0.839809954
## 1443	0.382113039	7.148010e-04	minor	0.02855929	89.945	0.366835594
## 1444	0.625753343	3.150000e-06	major	0.03417515	102.504	0.829640210
## 1445	0.539196193	6.060000e-08	major	0.38703018	145.618	0.424262583
## 1446	0.837708533	6.340000e-06	major	0.04442502	113.368	0.851523697
## 1447	0.872113883	4.840000e-12	major	0.26443103	149.959	0.643063486
## 1448	0.869485795	9.350000e-11	major	0.03270343	127.966	0.472589642
## 1449	0.420296997	6.818730e-04	major	0.03673220	116.627	0.289196223
## 1450	0.748367369	3.190000e-12	minor	0.03304186	110.009	0.851469874
## 1451	0.850309253	3.320000e-06	major	0.04443178	180.090	0.827103853
## 1452	0.668263018	2.065430e-04	major	0.03005838	119.861	0.885457277
## 1453	0.790620446	5.543839e-03	major	0.03228865	99.999	0.315932125
## 1454	0.665873468	3.400000e-11	major	0.19187582	158.023	0.551465809
## 1455	0.874254525	3.830000e-07	major	0.08147062	119.964	0.628344715
## 1456	0.770372927	5.210000e-08	major	0.04842159	105.096	0.766384840
## 1457	0.882721782	2.710000e-10	major	0.03836466	154.094	0.390440524
## 1458	0.412888795	3.330000e-06	major	0.05071579	150.061	0.401796967
## 1459	0.590339482	1.670000e-11	major	0.42845181	180.026	0.656317294
## 1460	0.842566907	4.200000e-11	major	0.04748739	92.357	0.533723056
## 1461	0.964044571	3.944087e-01	major	0.18588828	126.973	0.231352299
## 1462	0.759209096	2.260000e-06	major	0.02795847	116.005	0.697193623
## 1463	0.951504827	7.201316e-01	minor	0.07035869	133.575	0.197637931
## 1464	0.970545709	1.846060e-04	major	0.17118478	95.315	0.390301794
## 1465	0.528981984	8.049210e-04	major	0.02841583	122.015	0.451248378
## 1466	0.736641526	1.055430e-01	major	0.15551516	96.874	0.816252947
## 1467	0.939497709	6.880000e-05	major	0.04287152	127.940	0.638325334
## 1468	0.921398878	5.240000e-05	major	0.03628505	119.001	0.714150071
## 1469	0.871039033	1.770000e-06	major	0.05556707	144.069	0.788849890
## 1470	0.850701988	1.155827e-03	major	0.06095170	129.998	0.292989075
## 1471	0.754192233	4.990000e-09	minor	0.26491183	96.766	0.722229183
## 1472	0.721770048	1.710000e-05	major	0.05869627	129.997	0.074444562
## 1473	0.722327888	5.010000e-08	minor	0.03337127	86.699	0.328483641
## 1474	0.934902430	2.120000e-07	major	0.08981658	144.961	0.359628975

## 1475	0.357113570	4.147192e-03	major	0.03967912	106.839	0.434736013
## 1476	0.703401506	1.450000e-05	major	0.03668865	118.690	0.726455808
## 1477	0.354037344	1.000000e-06	major	0.02629566	80.767	0.181098402
## 1478	0.327549785	7.510000e-08	major	0.02551621	73.326	0.263202876
## 1479	0.815439284	8.212743e-01	major	0.02947824	99.983	0.218921781
## 1480	0.622441173	3.160000e-09	major	0.02682350	100.882	0.347455591
## 1481	0.909288466	4.030000e-05	minor	0.07976050	141.106	0.966230690
## 1482	0.517471194	8.670000e-07	major	0.05062152	165.001	0.385586083
## 1483	0.871119022	2.160000e-07	major	0.04903004	119.966	0.680229008
## 1484	0.782794654	1.688351e-03	minor	0.09596951	111.997	0.502567470
## 1485	0.744340420	2.240000e-11	minor	0.04340395	107.990	0.571953535
## 1486	0.332176387	3.390000e-06	major	0.03517511	76.293	0.513496339
## 1487	0.293715388	8.433014e-01	major	0.03889153	96.768	0.557389379
## 1488	0.725512326	2.830000e-12	major	0.25630945	83.779	0.459783942
## 1489	0.951825976	6.295475e-01	major	0.06910026	163.895	0.489214927
## 1490	0.542765141	4.177260e-04	major	0.04720883	141.424	0.544380844
## 1491	0.841093779	4.530000e-05	major	0.05147083	114.943	0.356490612
## 1492	0.073952861	6.478158e-01	major	0.04607153	165.270	0.109604828
## 1493	0.713084280	3.200000e-08	minor	0.10387051	77.368	0.880202591
## 1494	0.652336240	1.012096e-03	major	0.03619302	93.953	0.809736967
## 1495	0.748208165	3.480000e-10	major	0.02642950	127.965	0.600315988
## 1496	0.901177287	5.240000e-10	major	0.78406113	80.805	0.495897144
## 1497	0.043551199	9.317909e-01	minor	0.02972725	90.009	0.029087281
## 1498	0.830021977	8.982684e-01	major	0.05277679	123.017	0.377333075
## 1499	0.708852708	1.250000e-12	major	0.05840165	75.998	0.698682845
## 1500	0.737123251	3.360000e-07	major	0.22349216	161.584	0.606516719
## 1501	0.485395163	9.007174e-03	major	0.03250145	123.992	0.035453800
## 1502	0.433454841	1.908196e-01	minor	0.05515855	79.995	0.638403952
## 1503	0.894881487	9.050807e-02	major	0.04114667	139.925	0.138049856
## 1504	0.448822916	6.875628e-01	major	0.03819064	113.165	0.171772763
## 1505	0.963170052	6.470000e-10	minor	0.88729322	105.936	0.165994495
## 1506	0.717040479	8.579789e-01	major	0.07239558	78.040	0.553340256
## 1507	0.438843101	4.900000e-10	major	0.03385042	124.758	0.802715123
## 1508	0.802744448	8.370000e-06	major	0.12418292	182.920	0.787251592
## 1509	0.347248763	1.180000e-05	major	0.03107665	143.965	0.244774923
## 1510	0.855548024	2.299240e-03	major	0.03009114	114.024	0.514795780
## 1511	0.898556769	1.580000e-10	major	0.25876045	86.048	0.319279134
## 1512	0.853020191	1.950000e-11	major	0.10420264	78.033	0.372502804
## 1513	0.671372890	4.565973e-01	major	0.04751235	104.995	0.813638806
## 1514	0.777635515	1.210000e-06	major	0.36612192	91.858	0.801975012
## 1515	0.342833191	1.640000e-07	major	0.03777402	173.232	0.165312782
## 1516	0.472726375	4.154711e-03	major	0.10413519	142.986	0.417322516
## 1517	0.356819242	9.200000e-06	major	0.02341473	79.998	0.401967347
## 1518	0.403214782	9.040000e-08	major	0.02869572	130.410	0.250813961
## 1519	0.354428202	1.550000e-06	major	0.02985372	120.033	0.130950287
## 1520	0.612293780	2.739962e-01	major	0.04791035	123.794	0.717320383
## 1521	0.632034242	2.678090e-04	major	0.31237352	170.040	0.323990285
## 1522	0.534585297	5.680000e-09	major	0.03764258	77.007	0.347672164
## 1523	0.702340961	8.780000e-12	minor	0.10847723	140.059	0.771299243
## 1524	0.504097342	2.910000e-06	major	0.04981370	160.119	0.547349155
## 1525	0.568610311	3.150000e-08	major	0.02836382	159.845	0.237874478
## 1526	0.681597471	8.400000e-08	major	0.08056892	170.103	0.681002796
## 1527	0.843207777	2.620000e-10	minor	0.06873342	155.087	0.236856312
## 1528	0.753256917	3.380000e-07	major	0.05358900	125.005	0.402977943

## 1529	0.784603894	1.180000e-05	major	0.94853145	80.291	0.393091470
## 1530	0.881185353	1.240000e-09	major	0.19901049	100.002	0.522654533
## 1531	0.657878995	1.220000e-06	major	0.13415021	201.818	0.955633342
## 1532	0.706699908	6.950000e-06	major	0.27911496	95.049	0.592649639
## 1533	0.396873504	5.560000e-09	major	0.02801523	89.044	0.509222269
## 1534	0.910727322	2.310000e-12	major	0.22954351	105.475	0.781077683
## 1535	0.885779440	1.210000e-07	major	0.08279478	187.380	0.808388889
## 1536	0.806771398	5.980000e-08	major	0.06470659	97.048	0.632602751
## 1537	0.616067946	3.910000e-08	major	0.05015760	100.011	0.919768751
## 1538	0.843105912	4.820000e-06	major	0.03010040	90.030	0.659723580
## 1539	0.641182661	6.890000e-06	major	0.07527019	178.206	0.603000224
## 1540	0.778218091	7.323297e-01	minor	0.03297721	89.997	0.306644678
## 1541	0.623272657	9.260000e-06	major	0.03172458	142.802	0.568524182
## 1542	0.600606441	6.006341e-01	minor	0.03350159	139.972	0.314143211
## 1543	0.444946706	4.110000e-09	major	0.07191424	119.917	0.388855785
## 1544	0.628771782	2.220000e-05	major	0.02927275	111.986	0.844212353
## 1545	0.937203646	7.430000e-07	major	0.04530824	103.976	0.738830805
## 1546	0.614294827	2.150000e-08	minor	0.06253991	146.020	0.572911143
## 1547	0.455372006	1.750000e-05	minor	0.33954865	136.085	0.494610548
## 1548	0.671802104	3.050000e-07	minor	0.04375898	125.086	0.337899208
## 1549	0.654898226	8.061983e-01	major	0.07362362	148.045	0.085233785
## 1550	0.699106753	2.870000e-09	major	0.04203078	125.931	0.545915842
## 1551	0.830831170	8.080000e-06	minor	0.03235498	130.000	0.101136684
## 1552	0.639545798	4.610000e-09	major	0.21230552	94.621	0.865691483
## 1553	0.852138400	3.230000e-06	minor	0.92639881	125.082	0.322121024
## 1554	0.538413942	2.560000e-11	major	0.03215353	143.944	0.326310068
## 1555	0.876828313	2.966705e-01	major	0.21392506	168.958	0.708679140
## 1556	0.382473886	5.360000e-09	major	0.04504409	119.946	0.910381615
## 1557	0.954382658	3.368100e-04	major	0.16224279	140.059	0.258832753
## 1558	0.594302714	9.270000e-05	major	0.03355544	135.137	0.965705812
## 1559	0.847600698	3.180000e-06	major	0.28989962	66.034	0.747614682
## 1560	0.729742944	8.665550e-04	major	0.03283637	122.863	0.850217521
## 1561	0.627013624	3.600000e-05	major	0.02645544	120.000	0.242625281
## 1562	0.613924384	4.600000e-07	major	0.03307497	87.969	0.306921750
## 1563	0.339475721	1.031932e-01	major	0.02634645	75.025	0.055927135
## 1564	0.979511917	3.100000e-05	minor	0.14463960	195.874	0.109265447
## 1565	0.716730595	1.180000e-08	major	0.02838784	103.903	0.815959394
## 1566	0.833986878	1.590000e-09	major	0.05655371	127.430	0.737559438
## 1567	0.454802454	1.966262e-03	major	0.03082399	101.083	0.686219990
## 1568	0.709539533	8.644888e-01	major	0.03088668	89.028	0.459184229
## 1569	0.662446320	8.080000e-05	major	0.03141674	117.066	0.505849242
## 1570	0.866784751	8.817225e-01	major	0.04929446	126.998	0.553585231
## 1571	0.327758700	3.859638e-03	major	0.04397639	126.424	0.974179327
## 1572	0.422592491	4.880000e-07	major	0.02941573	170.035	0.457710028
## 1573	0.385533452	1.033129e-01	major	0.03322168	113.419	0.181241527
## 1574	0.550904095	1.074140e-04	minor	0.03042099	137.127	0.487128645
## 1575	0.959337354	1.401946e-01	minor	0.11889666	139.997	0.203895614
## 1576	0.869916141	5.590000e-10	major	0.03839743	131.019	0.876278460
## 1577	0.704743147	2.860000e-08	major	0.07982531	120.005	0.332148135
## 1578	0.695867777	3.630000e-12	minor	0.21079885	173.537	0.927156568
## 1579	0.340106666	3.570000e-06	major	0.02908418	144.812	0.256630719
## 1580	0.914849162	9.740000e-09	major	0.28022659	88.917	0.878249943
## 1581	0.576323867	6.420000e-06	major	0.27970028	81.738	0.458191395
## 1582	0.699966133	5.020888e-02	major	0.03509278	100.905	0.564530134

## 1583	0.709260106	1.050000e-08	major	0.20637558	76.197	0.525887787
## 1584	0.794645250	2.734920e-04	major	0.06336760	127.024	0.816080332
## 1585	0.758093357	3.148291e-02	major	0.07286628	165.643	0.896009266
## 1586	0.380640328	9.127658e-01	major	0.04322345	124.007	0.041535061
## 1587	0.724683046	1.270000e-06	minor	0.03811177	107.675	0.538468897
## 1588	0.968777835	3.800000e-06	major	0.28183654	180.117	0.309682339
## 1589	0.437736750	3.160000e-07	minor	0.03044788	138.045	0.087253876
## 1590	0.961454928	1.490000e-11	major	0.29488441	82.440	0.486718297
## 1591	0.851062357	2.750000e-08	minor	0.17803776	150.776	0.411575705
## 1592	0.647963226	5.730000e-08	minor	0.32674983	93.939	0.242494479
## 1593	0.816430151	1.048490e-04	major	0.03520068	154.850	0.639571071
## 1594	0.953843057	1.220000e-10	minor	0.26372769	114.635	0.667739689
## 1595	0.565430105	1.077280e-04	major	0.04176769	141.501	0.411552757
## 1596	0.741760254	8.330000e-11	major	0.02829479	113.968	0.818985641
## 1597	0.689916730	4.340000e-08	minor	0.05308596	89.991	0.469372571
## 1598	0.503676414	5.480000e-08	major	0.43354705	182.203	0.841059208
## 1599	0.510737419	3.005926e-03	major	0.03132693	72.023	0.201636568
## 1600	0.627453148	3.010000e-11	major	0.15900943	120.009	0.609870434
## 1601	0.646307290	1.466638e-02	major	0.11834234	150.962	0.951683164
## 1602	0.733906925	1.620000e-11	minor	0.10874887	138.066	0.901325464
## 1603	0.343731821	6.746476e-01	major	0.02544628	79.947	0.435205430
## 1604	0.806249559	5.170000e-08	major	0.17944528	90.155	0.802123010
## 1605	0.893678606	6.000000e-07	minor	0.39825052	87.590	0.261705816
## 1606	0.915326953	1.800000e-07	minor	0.11300605	153.998	0.577295840
## 1607	0.774564981	9.018027e-01	minor	0.05198307	106.018	0.022180511
## 1608	0.823923647	1.795070e-04	major	0.03845669	117.950	0.937493503
## 1609	0.777763665	1.480000e-11	major	0.03756228	90.010	0.816128731
## 1610	0.144909754	1.411647e-01	major	0.03699940	122.973	0.194721788
## 1611	0.425609261	5.460000e-05	major	0.03394822	132.078	0.283388913
## 1612	0.470142305	2.830000e-06	major	0.07512038	94.761	0.631439924
## 1613	0.537005603	1.118824e-01	major	0.03645864	93.010	0.160544291
## 1614	0.492800057	2.407704e-03	major	0.04818727	137.711	0.737807035
## 1615	0.856398463	1.763663e-02	major	0.03697703	121.542	0.931020677
## 1616	0.966450274	9.107231e-02	major	0.52896529	158.505	0.038539272
## 1617	0.555109859	3.320000e-08	minor	0.03430769	132.936	0.928340077
## 1618	0.641466439	1.630000e-06	major	0.02964532	157.882	0.312722266
## 1619	0.514357805	5.800000e-07	major	0.02584643	105.006	0.411267251
## 1620	0.740345955	6.300000e-12	major	0.28533334	77.531	0.374984503
## 1621	0.948858261	1.249830e-04	major	0.18202931	165.167	0.312347621
## 1622	0.784193695	7.656607e-02	major	0.03344328	113.643	0.340301156
## 1623	0.490267813	2.010000e-05	major	0.10994408	144.126	0.264069557
## 1624	0.813599527	6.034774e-02	major	0.33737135	147.990	0.611243665
## 1625	0.614437938	4.560000e-10	major	0.13209397	109.995	0.249597386
## 1626	0.027546929	7.772083e-01	major	0.08814978	81.186	0.395826548
## 1627	0.888329506	2.320000e-12	major	0.05866861	120.041	0.628608942
## 1628	0.617147028	2.570000e-10	major	0.02308494	95.951	0.891217887
## 1629	0.482415527	9.950000e-06	major	0.03350657	126.006	0.826851785
## 1630	0.638283193	7.075270e-04	major	0.20141952	92.997	0.583545327
## 1631	0.152921081	1.090000e-05	major	0.03645270	124.194	0.203075230
## 1632	0.862094879	1.067274e-02	major	0.05422246	139.990	0.202291474
## 1633	0.765712202	1.620000e-09	minor	0.06730939	129.054	0.393977523
## 1634	0.799181998	4.550000e-07	major	0.13573959	125.505	0.743756950
## 1635	0.886327326	1.930000e-09	major	0.11685172	142.002	0.503252983
## 1636	0.834638298	1.510000e-05	major	0.03933379	142.069	0.541837037

## 1637	0.591816604	3.794420e-02	major	0.02656812	101.976	0.929261982
## 1638	0.548133016	8.730000e-13	major	0.03646937	113.965	0.926911950
## 1639	0.712047994	1.510000e-08	major	0.05586284	110.087	0.963777304
## 1640	0.419553012	4.460000e-06	major	0.02772822	128.012	0.196094051
## 1641	0.840139925	8.080000e-10	major	0.03170042	84.008	0.443043292
## 1642	0.840241611	4.790000e-06	major	0.29168144	86.934	0.228004664
## 1643	0.952923417	7.890000e-06	major	0.23220633	193.983	0.485212713
## 1644	0.850610375	5.490000e-12	major	0.25869194	82.483	0.418381721
## 1645	0.574923396	9.440000e-08	major	0.04579583	183.946	0.623436391
## 1646	0.488845408	2.426148e-03	major	0.03623514	127.097	0.337138057
## 1647	0.266599417	3.610000e-07	major	0.03099956	137.801	0.302649915
## 1648	0.376298666	1.060000e-07	major	0.02599503	92.029	0.498686850
## 1649	0.962829113	2.090000e-07	major	0.03866356	132.059	0.789937854
## 1650	0.774514556	3.890000e-05	major	0.04143135	156.072	0.489853233
## 1651	0.330862403	2.580000e-10	major	0.05267931	134.361	0.199556321
## 1652	0.958958983	8.843946e-01	minor	0.15734704	149.722	0.340620100
## 1653	0.761211514	2.680942e-03	major	0.09582759	142.556	0.974759221
## 1654	0.847978830	2.330000e-05	major	0.03076894	128.009	0.437331051
## 1655	0.385051519	7.730000e-05	minor	0.03461563	81.153	0.292509824
## 1656	0.572818577	1.380000e-05	minor	0.15013462	120.093	0.175032228
## 1657	0.605104625	5.900000e-09	major	0.35115382	186.060	0.113032334
## 1658	0.583480537	7.220000e-08	major	0.03134352	144.038	0.339981705
## 1659	0.903256655	4.880000e-06	major	0.04476384	127.998	0.488950491
## 1660	0.527136147	1.169542e-02	major	0.02767610	104.032	0.664261937
## 1661	0.331144959	9.170504e-01	major	0.00000000	0.000	0.000000000
## 1662	0.582912207	1.080000e-07	major	0.06592322	140.032	0.260337383
## 1663	0.575655758	1.712310e-04	minor	0.13323815	79.986	0.306554705
## 1664	0.838768899	1.620000e-06	major	0.03936424	132.063	0.422924042
## 1665	0.932129085	5.228336e-03	major	0.06696422	107.271	0.355218083
## 1666	0.956201553	9.590000e-05	major	0.19168654	80.348	0.484318972
## 1667	0.840829492	2.242689e-01	major	0.03621583	94.047	0.396892011
## 1668	0.692364991	4.420000e-08	minor	0.05452950	127.937	0.219914079
## 1669	0.569123507	3.950000e-08	minor	0.08610930	159.824	0.709613681
## 1670	0.515276611	1.220000e-05	minor	0.26475066	121.845	0.299194992
## 1671	0.043880131	9.133037e-01	minor	0.04372175	76.877	0.036561675
## 1672	0.652200580	1.120000e-12	major	0.20640561	94.505	0.551281095
## 1673	0.568882287	1.920000e-10	major	0.29665417	69.078	0.437994331
## 1674	0.908474445	1.170000e-09	major	0.05880261	89.992	0.634499967
## 1675	0.855784297	6.850000e-13	minor	0.07306420	106.009	0.967041969
## 1676	0.539749205	1.938206e-02	major	0.02625458	101.061	0.308949441
## 1677	0.937408328	4.980000e-09	major	0.08206890	141.975	0.539005637
## 1678	0.773913205	8.853496e-01	major	0.04335266	106.977	0.490707070
## 1679	0.460141599	6.440000e-10	major	0.04540234	125.106	0.266429901
## 1680	0.538785100	6.499733e-03	major	0.04296713	146.526	0.370699376
## 1681	0.922102273	1.883430e-04	major	0.04235951	135.010	0.320431143
## 1682	0.748352766	6.800000e-08	major	0.08866382	94.100	0.652208567
## 1683	0.775519192	1.027221e-03	minor	0.04624433	151.169	0.944818914
## 1684	0.677167535	3.560000e-08	major	0.04146074	135.112	0.103810824
## 1685	0.881392539	3.158984e-01	major	0.04575195	120.152	0.717006803
## 1686	0.550993681	8.122392e-02	minor	0.02961951	111.018	0.783083737
## 1687	0.976348996	2.706613e-01	major	0.18015288	119.982	0.187086642
## 1688	0.821379721	2.322820e-03	major	0.03248574	117.948	0.791100621
## 1689	0.573508203	1.109224e-03	major	0.02624526	97.487	0.714411557
## 1690	0.000211717	1.349590e-04	major	0.03192641	97.118	0.793231010

## 1691	0.711837530	1.070000e-05	major	0.03134513	120.003	0.961437106
## 1692	0.725900471	6.710000e-09	major	0.03055268	165.070	0.678874969
## 1693	0.526132941	1.400000e-07	major	0.10415380	172.582	0.827358127
## 1694	0.488066822	6.266922e-01	major	0.02755325	140.026	0.256968141
## 1695	0.854526877	4.791580e-02	major	0.03353224	113.990	0.868240595
## 1696	0.616297245	3.250000e-06	major	0.03811204	115.020	0.972329795
## 1697	0.883328795	1.930000e-05	major	0.32824174	150.967	0.519752443
## 1698	0.475652546	9.600000e-10	major	0.02979135	169.784	0.299513191
## 1699	0.671429336	6.410000e-10	major	0.26981515	90.135	0.161463037
## 1700	0.755985558	5.690000e-10	major	0.32970426	76.862	0.684967816
## 1701	0.542730987	7.079015e-03	minor	0.03247684	119.235	0.489273846
## 1702	0.630803525	1.350000e-07	major	0.02699305	115.036	0.384399533
## 1703	0.822710752	3.026832e-03	major	0.05472826	120.012	0.297292501
## 1704	0.958539903	4.754229e-01	minor	0.13223579	193.174	0.389783800
## 1705	0.237682685	1.601450e-04	minor	0.03751074	128.322	0.210057035
## 1706	0.818005562	1.344860e-03	major	0.03610282	122.476	0.582147598
## 1707	0.688651741	1.330000e-08	major	0.45127446	93.036	0.219165683
## 1708	0.684147775	1.886990e-04	major	0.06836924	107.561	0.667075872
## 1709	0.761646628	9.010000e-11	minor	0.33781597	84.110	0.716205359
## 1710	0.470683545	1.420000e-07	major	0.08738213	129.970	0.340355366
## 1711	0.750673413	8.900000e-09	major	0.26818231	99.948	0.758882701
## 1712	0.488430709	2.200000e-08	major	0.09405769	91.995	0.876661360
## 1713	0.808128417	1.850089e-02	major	0.03651960	125.669	0.374201238
## 1714	0.899416625	4.720000e-05	major	0.14270981	127.086	0.759808242
## 1715	0.482937157	5.535385e-02	major	0.02989632	146.069	0.364740402
## 1716	0.580074787	1.240000e-11	minor	0.23945971	75.040	0.555118442
## 1717	0.483102649	1.600000e-10	major	0.02887204	71.514	0.164220989
## 1718	0.542769909	3.160000e-06	major	0.04977033	117.757	0.811779976
## 1719	0.026230946	4.664649e-01	major	0.03831099	78.790	0.098942481
## 1720	0.702342629	7.300000e-07	minor	0.20540330	155.948	0.793145895
## 1721	0.878538907	1.270000e-13	major	0.35358173	135.108	0.453065425
## 1722	0.944578826	3.190440e-04	major	0.11623538	79.820	0.518020868
## 1723	0.755061209	5.670000e-06	major	0.04145718	112.885	0.714942873
## 1724	0.806729972	4.020000e-05	minor	0.03626275	101.042	0.781210303
## 1725	0.631192923	6.177356e-03	major	0.10482752	163.024	0.769587100
## 1726	0.405041188	7.202162e-02	minor	0.05844377	133.895	0.067332432
## 1727	0.530845642	1.070000e-08	major	0.03587178	138.406	0.841655076
## 1728	0.832573652	7.900000e-05	major	0.04750154	130.121	0.564944446
## 1729	0.996200860	6.132910e-03	minor	0.16040044	99.913	0.060669966
## 1730	0.463857830	3.030000e-10	major	0.54414016	113.418	0.622882426
## 1731	0.693352878	7.912490e-04	major	0.03550460	80.992	0.394403309
## 1732	0.186708853	8.272589e-03	minor	0.03341176	84.769	0.376567870
## 1733	0.956293344	9.560000e-07	major	0.03948364	129.983	0.729734123
## 1734	0.399485826	4.530000e-07	major	0.02707019	72.973	0.210900053
## 1735	0.795716882	1.196051e-01	minor	0.10328305	126.060	0.264786571
## 1736	0.624362469	1.914550e-04	major	0.02497094	93.428	0.250705659
## 1737	0.648368716	3.300000e-09	major	0.08944699	130.020	0.964220107
## 1738	0.665948808	2.980000e-06	major	0.05368674	93.994	0.449223757
## 1739	0.648441434	6.860000e-14	minor	0.24198444	135.755	0.797833562
## 1740	0.696880102	7.470000e-06	minor	0.09628565	79.979	0.305921942
## 1741	0.860084713	1.190000e-06	major	0.03271800	95.978	0.910977185
## 1742	0.716923714	2.760000e-11	major	0.02856694	129.035	0.663975596
## 1743	0.517346799	1.950750e-04	major	0.03842118	129.063	0.753554285
## 1744	0.013462264	9.760847e-01	major	0.05393097	82.697	0.038163312

## 1745	0.867649436	5.852551e-01	minor	0.04666609	127.860	0.316016316
## 1746	0.897899449	6.440000e-06	major	0.05554151	139.910	0.271139115
## 1747	0.405534267	2.340000e-10	major	0.09830329	139.987	0.594708204
## 1748	0.492316961	8.871895e-01	major	0.03172943	85.060	0.058438100
## 1749	0.445632756	3.050000e-07	minor	0.05305406	140.121	0.266397566
## 1750	0.895799220	4.345440e-04	major	0.04136289	95.034	0.421538651
## 1751	0.546371341	3.510000e-09	minor	0.23783563	160.152	0.294225752
## 1752	0.758013070	7.190000e-11	minor	0.05993623	104.969	0.837922871
## 1753	0.309522629	1.680235e-03	major	0.03089151	69.240	0.083121374
## 1754	0.907540917	8.940000e-07	major	0.04342582	160.049	0.802296340
## 1755	0.590108812	9.780000e-06	minor	0.15813801	110.068	0.914210260
## 1756	0.711105704	9.432814e-03	major	0.03770112	89.019	0.318608284
## 1757	0.898384511	7.290000e-08	major	0.04197479	113.948	0.914115727
## 1758	0.790668368	7.290000e-05	major	0.03182168	89.818	0.561194420
## 1759	0.610904932	9.200000e-09	major	0.03041145	105.955	0.160577536
## 1760	0.496258318	1.280000e-06	major	0.03182918	110.385	0.972245216
## 1761	0.994590223	2.306920e-04	minor	0.09386323	160.025	0.088003919
## 1762	0.696909428	6.715355e-01	major	0.03568851	140.050	0.136925742
## 1763	0.543070018	5.240000e-09	major	0.11195681	102.010	0.801120102
## 1764	0.619802058	4.261997e-01	major	0.03092369	119.254	0.464176118
## 1765	0.591337979	5.331880e-03	major	0.03974026	157.512	0.519737005
## 1766	0.843799531	2.230000e-09	major	0.04681877	79.018	0.376859099
## 1767	0.599151134	4.020000e-07	major	0.02756173	99.050	0.495890826
## 1768	0.717053473	7.412800e-04	major	0.03281862	76.053	0.820299864
## 1769	0.596385419	7.864179e-01	major	0.03602797	120.197	0.977257848
## 1770	0.473365992	4.040000e-08	minor	0.14944780	121.451	0.808877230
## 1771	0.994425535	1.656104e-02	minor	0.18386884	120.994	0.112610310
## 1772	0.465763628	1.794277e-02	major	0.02560772	122.016	0.301401079
## 1773	0.818227887	2.160000e-06	major	0.03106651	119.025	0.500766516
## 1774	0.416857690	6.940000e-12	major	0.08268850	179.893	0.683297336
## 1775	0.783067286	1.360000e-09	minor	0.03134236	127.018	0.334116399
## 1776	0.703464687	1.980000e-09	minor	0.13825771	81.231	0.882324755
## 1777	0.451936930	1.680000e-05	minor	0.02931104	79.830	0.210054234
## 1778	0.543074727	6.805603e-03	major	0.06430189	151.994	0.243381411
## 1779	0.879197538	9.530000e-07	major	0.05364104	127.570	0.913520753
## 1780	0.699315727	1.060000e-07	major	0.02664750	106.994	0.658561826
## 1781	0.946289122	2.030000e-08	major	0.16049638	82.986	0.123889685
## 1782	0.393490583	3.748340e-01	major	0.03994204	131.989	0.441536278
## 1783	0.966459215	1.440000e-08	major	0.11414601	130.060	0.764452100
## 1784	0.794161975	6.010000e-12	minor	0.06040790	121.303	0.422041833
## 1785	0.770146847	1.860000e-05	major	0.05993587	131.956	0.176965460
## 1786	0.430907816	1.252650e-02	major	0.02709914	79.951	0.208081916
## 1787	0.981798530	2.820000e-06	major	0.04261939	102.012	0.913808405
## 1788	0.870050073	1.372625e-01	major	0.04456255	119.484	0.469414592
## 1789	0.815205276	7.570000e-10	major	0.03968570	98.037	0.797768295
## 1790	0.387312233	2.576494e-03	major	0.02984397	132.020	0.655687392
## 1791	0.271440387	3.410000e-11	major	0.03632772	129.482	0.264625788
## 1792	0.481298894	5.006330e-04	minor	0.38654792	139.581	0.340087980
## 1793	0.913158536	6.830000e-07	major	0.03175053	113.044	0.945845962
## 1794	0.372894585	1.032621e-03	minor	0.02844864	116.925	0.329155862
## 1795	0.774995863	1.540283e-01	major	0.03865734	116.994	0.883347213
## 1796	0.725658178	2.416130e-04	major	0.05130965	125.955	0.554072142
## 1797	0.631453991	4.270000e-11	major	0.20765783	140.726	0.578192413
## 1798	0.772908628	1.780000e-07	major	0.04374308	98.888	0.553659141

## 1799	0.746559620	1.140000e-06	major	0.06226043	124.966	0.882295012
## 1800	0.544267178	1.701212e-02	major	0.03616650	115.022	0.261664778
## 1801	0.687144578	1.680000e-08	major	0.06042391	128.228	0.410419703
## 1802	0.870664597	2.120000e-10	major	0.87426531	64.223	0.613267541
## 1803	0.775830626	1.129404e-01	major	0.10065034	66.668	0.124684766
## 1804	0.564068973	1.341700e-04	minor	0.04234899	96.802	0.245628744
## 1805	0.799376786	1.780000e-05	major	0.03543338	121.029	0.485295385
## 1806	0.384279668	2.090000e-08	major	0.11626584	89.549	0.365074754
## 1807	0.684275746	3.250000e-07	major	0.05440430	133.999	0.156066194
## 1808	0.761173010	4.886505e-03	major	0.03816174	125.097	0.597457767
## 1809	0.390277714	1.300000e-09	major	0.03193160	77.525	0.447810858
## 1810	0.367133290	6.060000e-10	major	0.03950485	142.236	0.298503309
## 1811	0.536063910	7.270000e-09	minor	0.03362757	128.064	0.256874919
## 1812	0.579141319	6.465673e-03	major	0.03450638	196.043	0.317034125
## 1813	0.676807106	7.558211e-01	major	0.10024492	120.021	0.122944251
## 1814	0.678316951	1.270000e-07	major	0.15358794	173.995	0.409363687
## 1815	0.318794250	2.280000e-06	major	0.02770021	94.042	0.491466224
## 1816	0.163711160	3.040000e-06	minor	0.03581445	81.565	0.308261365
## 1817	0.430874258	4.367439e-01	minor	0.05229071	127.204	0.188367501
## 1818	0.294749916	4.800000e-05	minor	0.03342276	135.048	0.694031715
## 1819	0.464691460	5.700000e-06	major	0.02934282	96.001	0.305392921
## 1820	0.937693357	1.587728e-02	major	0.02906491	127.944	0.765701473
## 1821	0.853725731	8.790000e-08	major	0.11252211	159.805	0.507655680
## 1822	0.589298666	1.160000e-05	major	0.04048041	149.832	0.102923721
## 1823	0.720979989	4.040000e-05	major	0.03718896	174.020	0.809925675
## 1824	0.307048827	9.040000e-12	major	0.03268696	178.114	0.378427476
## 1825	0.899618566	1.782890e-04	minor	0.11734151	105.004	0.350876868
## 1826	0.817884266	2.050000e-10	major	0.03715679	148.041	0.347670019
## 1827	0.786838949	3.530000e-06	minor	0.05453908	157.980	0.801218450
## 1828	0.833618283	3.170000e-09	major	0.05974899	84.000	0.668562353
## 1829	0.575387299	8.750000e-07	major	0.13545078	130.951	0.891908824
## 1830	0.700514972	6.608579e-03	major	0.03866951	94.210	0.110198297
## 1831	0.857258677	3.090000e-09	major	0.08080458	99.019	0.738616943
## 1832	0.420990914	2.950000e-08	minor	0.08491219	131.935	0.214440495
## 1833	0.790970743	6.210000e-10	major	0.03823706	174.014	0.836654961
## 1834	0.294321418	8.928280e-01	major	0.08976500	85.349	0.038414478
## 1835	0.438525140	1.500000e-12	major	0.04891753	133.870	0.510153115
## 1836	0.876135230	9.260000e-05	major	0.31076080	111.911	0.114818804
## 1837	0.155503690	8.492510e-01	major	0.03203491	82.990	0.090515174
## 1838	0.848652124	7.860000e-06	major	0.03635675	134.269	0.662090838
## 1839	0.753530443	2.450000e-13	major	0.05496049	147.890	0.335550576
## 1840	0.694564760	8.202161e-01	major	0.03355421	100.233	0.149664596
## 1841	0.767410576	3.480000e-10	major	0.04973468	122.846	0.496865630
## 1842	0.306003720	1.088217e-01	major	0.06820430	95.167	0.865967095
## 1843	0.648195446	1.920000e-07	major	0.08904620	119.888	0.370284826
## 1844	0.778243244	1.200000e-10	major	0.03283904	148.044	0.417593688
## 1845	0.696798980	1.850000e-10	minor	0.04961116	80.034	0.506580889
## 1846	0.753377795	1.500000e-06	major	0.02443646	100.114	0.904182553
## 1847	0.671019673	3.294501e-01	major	0.03752271	115.035	0.258403093
## 1848	0.672707438	8.067320e-02	minor	0.03541925	112.036	0.756525695
## 1849	0.315742105	1.208953e-02	major	0.03338552	116.994	0.272137851
## 1850	0.099305369	2.870596e-02	major	0.04587663	81.436	0.154943973
## 1851	0.730665982	9.226978e-01	minor	0.05471490	108.952	0.982408524
## 1852	0.375396729	6.904759e-03	major	0.02479357	131.800	0.312962353

## 1853	0.716371238	6.130794e-02	major	0.07012440	81.449	0.600845993
## 1854	0.349841565	1.337389e-03	major	0.05371873	129.842	0.178330213
## 1855	0.423257232	1.960000e-06	minor	0.04399413	121.064	0.510852814
## 1856	0.766154349	3.400000e-11	major	0.25081834	140.070	0.896280468
## 1857	0.875733078	1.250000e-13	major	0.23628901	139.975	0.959643364
## 1858	0.876194358	7.350000e-05	major	0.16672364	137.979	0.924232841
## 1859	0.665723562	7.020000e-14	major	0.03188105	129.949	0.761470437
## 1860	0.700544417	2.970000e-10	minor	0.20959043	87.019	0.858582377
## 1861	0.733825564	2.147770e-04	major	0.02829761	84.958	0.437180489
## 1862	0.838897109	3.610000e-11	minor	0.06545158	128.910	0.741271853
## 1863	0.190643117	9.740145e-03	major	0.02962780	110.068	0.264070630
## 1864	0.794237673	1.817826e-03	major	0.04827540	137.825	0.282276511
## 1865	0.177402377	1.520000e-06	major	0.03083848	101.986	0.371815383
## 1866	0.432246566	9.230000e-05	major	0.03531480	76.688	0.612505913
## 1867	0.566137791	3.057764e-01	minor	0.09341066	80.503	0.432871133
## 1868	0.949480712	1.470000e-06	major	0.05861891	119.986	0.408382118
## 1869	0.414674252	5.970000e-07	major	0.20999755	136.489	0.288362473
## 1870	0.577546716	6.688979e-01	minor	0.02966862	96.064	0.347678632
## 1871	0.921324551	5.440000e-09	major	0.05004558	125.983	0.681328416
## 1872	0.879557490	1.110000e-08	major	0.09657550	95.006	0.675328970
## 1873	0.308190912	4.670000e-08	major	0.03217638	141.873	0.208517164
## 1874	0.400461018	3.970000e-12	minor	0.33010027	70.452	0.193720177
## 1875	0.709370911	9.284394e-02	minor	0.03447176	151.122	0.170990482
## 1876	0.669256389	1.169153e-03	major	0.02793214	119.992	0.350085855
## 1877	0.247733876	1.200000e-07	major	0.05837527	127.859	0.570694506
## 1878	0.766407192	9.330000e-11	major	0.29934686	139.939	0.871269822
## 1879	0.822334766	1.310000e-07	major	0.03102706	168.568	0.435001433
## 1880	0.684116364	5.490000e-10	major	0.06702745	89.992	0.484310955
## 1881	0.889595151	1.100000e-10	major	0.07432982	172.104	0.731393516
## 1882	0.508957922	9.570000e-06	major	0.02767943	93.563	0.256607533
## 1883	0.310979307	8.649629e-03	major	0.03085574	88.968	0.043211564
## 1884	0.274573565	5.250536e-01	major	0.03019251	80.890	0.178133130
## 1885	0.854944110	1.310000e-05	major	0.49677214	99.658	0.319562554
## 1886	0.750784934	3.940000e-05	major	0.03394272	172.035	0.251856118
## 1887	0.551917672	1.360000e-07	minor	0.02822955	75.881	0.078881942
## 1888	0.988986492	1.247011e-03	major	0.06116152	94.075	0.217361212
## 1889	0.335394084	3.787450e-04	major	0.03259143	75.574	0.844148815
## 1890	0.691000819	6.050000e-10	major	0.38250917	96.768	0.745824158
## 1891	0.561725736	2.000000e-05	major	0.02687904	99.999	0.783408105
## 1892	0.925945044	4.530000e-06	major	0.15053532	100.048	0.761013806
## 1893	0.976669312	2.234985e-01	major	0.05434477	153.438	0.689500809
## 1894	0.962798059	7.430000e-05	major	0.05314119	120.015	0.303123862
## 1895	0.574576020	3.470000e-08	minor	0.20353955	109.648	0.193362936
## 1896	0.843208134	5.270000e-05	major	0.05927553	128.002	0.533873379
## 1897	0.575339437	2.780000e-05	major	0.03127468	142.976	0.122932449
## 1898	0.737911403	6.750000e-05	major	0.05059712	107.938	0.392457545
## 1899	0.357269317	3.780000e-06	major	0.05025572	141.243	0.941874027
## 1900	0.554019153	2.140000e-06	major	0.02597520	82.064	0.245760694
## 1901	0.923866749	5.491791e-02	major	0.07847657	125.035	0.559546173
## 1902	0.471301734	5.670000e-07	major	0.03013726	79.907	0.421022445
## 1903	0.894561350	5.720000e-07	major	0.06381960	99.012	0.919531703
## 1904	0.552996278	5.420000e-08	major	0.03201921	149.937	0.655696750
## 1905	0.601503789	3.750000e-10	minor	0.39767423	82.261	0.828715801
## 1906	0.258346587	8.778897e-01	major	0.03412742	86.156	0.100724705

## 1907	0.873004496	1.672645e-02	major	0.07458103	120.039	0.300268203
## 1908	0.508544624	9.355893e-01	minor	0.03667163	131.996	0.059518170
## 1909	0.812407672	8.380000e-13	major	0.07430764	140.171	0.142423794
## 1910	0.401985407	1.936540e-01	major	0.03663095	81.477	0.159944624
## 1911	0.408366621	1.311298e-01	major	0.04318677	91.341	0.142207623
## 1912	0.010503349	9.334933e-01	major	0.04345214	109.477	0.032462534
## 1913	0.837720037	2.575428e-03	minor	0.04602392	144.895	0.264733940
## 1914	0.146026015	2.220000e-07	major	0.04131381	120.113	0.374746144
## 1915	0.820213735	3.230000e-11	major	0.03355724	140.021	0.837217331
## 1916	0.397541434	8.955105e-01	major	0.03982860	72.099	0.119576126
## 1917	0.808220983	2.250000e-10	major	0.24100080	139.983	0.891254783
## 1918	0.505807281	2.010000e-06	major	0.02738269	104.015	0.149485156
## 1919	0.385542750	2.800000e-09	major	0.02473437	95.023	0.299399793
## 1920	0.672854543	9.150870e-01	major	0.04586736	109.944	0.796974182
## 1921	0.609245956	1.600000e-06	major	0.03027339	75.174	0.648373663
## 1922	0.418667823	8.637698e-01	major	0.02882162	100.010	0.037546646
## 1923	0.781046569	1.960000e-09	major	0.03002245	102.997	0.381933838
## 1924	0.765627563	1.574027e-03	major	0.04825803	105.006	0.530838490
## 1925	0.731765985	3.580000e-13	major	0.19345516	139.987	0.877501667
## 1926	0.561477840	4.050000e-08	major	0.16258681	83.946	0.685477376
## 1927	0.770056307	1.040000e-08	minor	0.43887088	113.897	0.703384161
## 1928	0.616342902	1.813068e-01	major	0.03862097	161.541	0.401945204
## 1929	0.771203160	7.660000e-11	minor	0.05327152	126.062	0.253209114
## 1930	0.160247818	9.210000e-10	major	0.04379305	109.763	0.387705833
## 1931	0.405837119	4.360000e-08	major	0.03142785	145.789	0.061572216
## 1932	0.911113381	1.390000e-06	major	0.04498401	127.087	0.739514649
## 1933	0.693121731	9.550000e-06	major	0.03268957	107.012	0.362640023
## 1934	0.765626967	1.470000e-08	major	0.06457598	99.922	0.206599817
## 1935	0.311077982	1.510000e-12	major	0.03441873	77.697	0.271819085
## 1936	0.494932801	8.370000e-07	major	0.05276041	161.339	0.375234872
## 1937	0.972176969	2.350000e-07	minor	0.15585366	143.521	0.183783323
## 1938	0.805703819	2.005913e-02	minor	0.03410903	124.014	0.736465216
## 1939	0.872609973	3.230000e-08	minor	0.09968848	139.691	0.613176823
## 1940	0.670532286	1.960000e-07	minor	0.03508689	156.072	0.257021666
## 1941	0.638524771	1.220000e-05	major	0.04065361	194.242	0.885823190
## 1942	0.561674118	3.350000e-12	major	0.03791251	123.979	0.182956547
## 1943	0.427476645	9.010000e-08	major	0.06462809	132.151	0.976427495
## 1944	0.631111383	4.690190e-04	major	0.02554366	93.040	0.313598245
## 1945	0.927413821	1.260000e-06	major	0.03714983	96.991	0.607040942
## 1946	0.598613739	4.260000e-05	major	0.02977531	139.775	0.416716188
## 1947	0.585868597	3.850000e-05	major	0.09569961	130.042	0.353282779
## 1948	0.467725903	2.660000e-06	major	0.04161616	135.946	0.874389887
## 1949	0.780597508	8.940000e-12	major	0.13957129	116.019	0.934822321
## 1950	0.415925980	3.940000e-10	major	0.03266422	167.474	0.881049395
## 1951	0.645438015	1.970000e-10	minor	0.30848882	140.097	0.449937195
## 1952	0.848017633	6.124559e-03	major	0.28531477	177.394	0.364201814
## 1953	0.359905154	7.280396e-01	major	0.03201191	149.940	0.030332984
## 1954	0.723476648	4.226710e-04	major	0.04477328	117.958	0.219111785
## 1955	0.481197506	2.210000e-10	major	0.22770780	140.071	0.525746226
## 1956	0.776020527	2.100000e-07	major	0.14413693	95.991	0.811698735
## 1957	0.810162663	1.880000e-10	major	0.20646411	130.044	0.798923314
## 1958	0.529593229	2.150000e-07	minor	0.04916252	167.921	0.608237863
## 1959	0.318069905	1.439656e-03	major	0.02808057	91.257	0.189240783
## 1960	0.811963558	1.462640e-04	major	0.07837797	100.016	0.543733597

## 1961	0.791621029	1.180000e-07	major	0.04619336	119.998	0.615357816
## 1962	0.354188979	3.484839e-03	major	0.04394750	132.049	0.106603526
## 1963	0.856104255	1.340000e-07	major	0.05294870	158.914	0.696700215
## 1964	0.633456647	6.030000e-07	minor	0.03651142	120.045	0.602381349
## 1965	0.679701447	2.420000e-08	major	0.33559671	76.756	0.591159523
## 1966	0.352397501	4.430000e-07	major	0.03664052	109.911	0.078203671
## 1967	0.321649402	7.382741e-02	major	0.06879230	89.951	0.033566352
## 1968	0.430919498	3.500000e-08	major	0.03684986	77.036	0.329905242
## 1969	0.799708545	6.190000e-08	major	0.04144055	94.153	0.653318107
## 1970	0.941635370	3.790000e-07	minor	0.09517376	159.994	0.510795236
## 1971	0.529505253	1.790000e-09	major	0.23681650	140.019	0.391108692
## 1972	0.946353257	5.230000e-05	major	0.04608920	161.041	0.514135480
## 1973	0.307932079	2.780000e-09	major	0.04823376	119.956	0.171277016
## 1974	0.918105066	2.133795e-02	major	0.05269919	120.026	0.265841156
## 1975	0.655270338	1.084421e-03	major	0.04101154	84.035	0.425835252
## 1976	0.388558269	4.806808e-03	major	0.03406805	197.215	0.128745794
## 1977	0.579221249	9.690000e-06	major	0.03032690	126.015	0.138010249
## 1978	0.578335345	6.717644e-03	major	0.03856450	102.960	0.953962982
## 1979	0.832540929	7.702285e-01	major	0.05356817	130.610	0.691095173
## 1980	0.512356043	3.040000e-05	minor	0.04306074	97.525	0.114149913
## 1981	0.652125359	9.474105e-03	major	0.02704681	135.532	0.898347914
## 1982	0.330157638	1.860000e-05	minor	0.02615583	80.072	0.263921499
## 1983	0.509970844	1.149485e-01	major	0.04334722	130.118	0.960700572
## 1984	0.605322182	8.667740e-04	major	0.03146042	106.180	0.892018199
## 1985	0.880468488	2.827499e-02	minor	0.10073886	170.039	0.528411031
## 1986	0.654171526	1.160000e-05	major	0.02868863	122.101	0.322261214
## 1987	0.583728671	1.350000e-08	major	0.03016435	150.717	0.603327274
## 1988	0.210310772	8.874415e-01	minor	0.03599943	76.635	0.038961697
## 1989	0.693399489	2.740000e-12	major	0.04353539	114.948	0.851395488
## 1990	0.193126202	1.357236e-02	major	0.04393911	129.979	0.155033886
## 1991	0.912161708	3.660000e-10	major	0.03654993	93.020	0.484790683
## 1992	0.448448092	6.584371e-03	major	0.11226837	129.966	0.731499016
## 1993	0.640920043	1.293750e-04	major	0.04202914	80.035	0.762856364
## 1994	0.464769602	3.930000e-08	minor	0.02842853	79.946	0.547505081
## 1995	0.687379360	3.750000e-14	major	0.27182195	94.608	0.551236331
## 1996	0.607525229	6.780000e-12	minor	0.75053555	161.246	0.965836287
## 1997	0.432628214	8.190000e-06	major	0.06760872	106.028	0.161078393
## 1998	0.879607975	2.420000e-12	major	0.20537350	114.983	0.805643797
## 1999	0.529184103	6.630000e-07	major	0.02818565	139.876	0.321168751
## 2000	0.644834399	7.710000e-10	major	0.06166388	96.016	0.411830217
## 2001	0.839819849	2.993329e-02	major	0.10591912	90.014	0.062102214
## 2002	0.913026214	6.600000e-09	minor	0.12022661	77.467	0.550405860
## 2003	0.554021120	1.130000e-09	major	0.03320542	155.945	0.731383681
## 2004	0.534382463	3.130000e-06	minor	0.06484938	139.995	0.467234492
## 2005	0.293205798	9.920000e-08	major	0.02942548	79.747	0.440709293
## 2006	0.295562416	1.130000e-07	major	0.81751561	196.073	0.245572537
## 2007	0.515024185	1.060000e-11	major	0.16562185	83.883	0.219724059
## 2008	0.315573096	5.366146e-03	major	0.03381009	151.917	0.039728511
## 2009	0.855313897	1.855535e-02	minor	0.04189997	140.020	0.124001309
## 2010	0.631471694	3.220000e-07	minor	0.02860999	99.219	0.711980045
## 2011	0.586190760	1.690000e-06	major	0.03127867	87.994	0.164868325
## 2012	0.662806332	8.577470e-01	minor	0.03204039	101.978	0.304609358
## 2013	0.640593767	2.020000e-05	major	0.06252900	155.078	0.715042531
## 2014	0.552230120	3.283417e-02	major	0.02715208	106.920	0.206305951

## 2015	0.663443387	5.270000e-07	major	0.04342958	115.013	0.337873280
## 2016	0.434157759	1.462692e-03	major	0.09100555	120.065	0.776536167
## 2017	0.799086392	7.180000e-08	major	0.12089386	83.029	0.423297167
## 2018	0.108946882	3.685474e-03	minor	0.03390203	163.824	0.041939095
## 2019	0.561556041	1.180000e-11	major	0.18401277	90.026	0.601402223
## 2020	0.376701117	5.821543e-01	major	0.02464306	99.324	0.149499029
## 2021	0.624037206	9.230000e-06	major	0.19754604	126.583	0.418807060
## 2022	0.701539636	1.290000e-05	major	0.03202440	150.309	0.470480114
## 2023	0.694935679	4.360000e-08	major	0.05231032	131.956	0.415309250
## 2024	0.541085899	1.660000e-10	major	0.05453973	85.994	0.320658863
## 2025	0.853100061	7.180000e-05	major	0.07954685	97.034	0.413919181
## 2026	0.435576826	4.157398e-01	major	0.10059844	127.142	0.280772030
## 2027	0.590964377	3.590000e-08	minor	0.07773879	80.999	0.443971246
## 2028	0.925466180	1.040000e-05	major	0.15549871	84.959	0.561341524
## 2029	0.641627729	1.220000e-06	major	0.16841364	84.544	0.332708418
## 2030	0.951010346	6.738730e-04	major	0.07383499	110.164	0.438086063
## 2031	0.095918730	9.158161e-01	minor	0.04393230	66.998	0.036253773
## 2032	0.904701054	3.758201e-02	minor	0.16649948	128.041	0.155176401
## 2033	0.299823225	9.287060e-01	major	0.04086728	74.825	0.031785507
## 2034	0.703023970	1.140000e-09	major	0.23616487	81.897	0.639676034
## 2035	0.188522264	1.980000e-08	major	0.04648679	116.735	0.262411535
## 2036	0.595953941	9.839705e-01	major	0.04258205	127.423	0.072970994
## 2037	0.872769713	3.930000e-06	major	0.03740033	107.050	0.333141029
## 2038	0.449259400	5.030000e-09	minor	0.03141411	135.850	0.247361526
## 2039	0.890769303	1.244873e-03	major	0.09978941	119.960	0.677347600
## 2040	0.667218029	3.872430e-04	minor	0.04030978	120.048	0.500495672
## 2041	0.595580935	9.890000e-13	major	0.04107211	115.996	0.395394325
## 2042	0.300177991	8.642055e-01	major	0.03807773	120.293	0.084129490
## 2043	0.333839297	6.210000e-07	major	0.06809834	80.334	0.186088338
## 2044	0.547352433	1.940000e-07	major	0.02439298	158.010	0.592621565
## 2045	0.792491496	1.280000e-06	major	0.25974983	170.085	0.214215606
## 2046	0.522015810	8.393485e-01	minor	0.04281201	80.014	0.927408338
## 2047	0.340170383	1.794571e-03	major	0.04361414	85.051	0.382300615
## 2048	0.923184097	2.798569e-03	major	0.03174155	119.797	0.691686869
## 2049	0.692989171	8.903552e-01	minor	0.11650216	119.968	0.967700064
## 2050	0.501204669	2.147742e-03	major	0.03758360	78.076	0.386356473
## 2051	0.762214601	4.900000e-10	minor	0.21334208	143.992	0.122167945
## 2052	0.958139837	5.350000e-13	minor	0.15490283	109.848	0.579961061
## 2053	0.812086821	5.036010e-04	major	0.18090677	77.505	0.767006993
## 2054	0.748224318	2.280000e-06	minor	0.02903881	104.992	0.434798568
## 2055	0.922180414	4.635563e-01	major	0.13482174	157.658	0.605489254
## 2056	0.837310433	2.110000e-06	major	0.06614797	109.998	0.961387396
## 2057	0.779015422	7.300000e-06	major	0.24574581	85.847	0.614964843
## 2058	0.709677160	6.727116e-03	minor	0.10993131	132.003	0.426595986
## 2059	0.603782237	5.550000e-11	major	0.05803344	123.757	0.363850623
## 2060	0.561429560	5.970000e-08	minor	0.18811452	85.004	0.389751434
## 2061	0.443094194	3.820000e-06	major	0.03820507	138.284	0.235162079
## 2062	0.272121608	3.346311e-03	major	0.03492053	166.415	0.186740384
## 2063	0.899947762	2.190000e-07	major	0.05761127	109.942	0.919986129
## 2064	0.474105209	2.760000e-10	major	0.42936706	95.962	0.632905185
## 2065	0.839513242	2.350130e-04	major	0.06567165	98.933	0.450519711
## 2066	0.872932971	8.940000e-13	major	0.24707370	81.869	0.572467506
## 2067	0.878909111	3.560000e-07	major	0.03960404	162.918	0.581809044
## 2068	0.743769884	7.790000e-06	major	0.28289181	135.950	0.592997134

## 2069	0.738373637	6.060000e-12	major	0.13240367	130.065	0.852497876
## 2070	0.433061987	1.020000e-08	major	0.02798144	135.074	0.208882928
## 2071	0.548250675	3.330000e-08	major	0.03878217	112.535	0.965722978
## 2072	0.613147378	1.280000e-11	minor	0.04402037	127.232	0.218645602
## 2073	0.323799074	8.734366e-02	major	0.03140484	90.957	0.231303394
## 2074	0.433427006	1.120000e-07	major	0.02918455	154.755	0.462524503
## 2075	0.458178848	4.024080e-04	minor	0.06372173	129.913	0.293618202
## 2076	0.500365555	7.314270e-04	major	0.03134108	125.006	0.265477955
## 2077	0.870501339	5.096685e-01	major	0.03078004	119.990	0.373739153
## 2078	0.576578975	8.840000e-09	minor	0.09936198	83.556	0.248666212
## 2079	0.915450037	1.850000e-08	minor	0.46908230	90.693	0.255027741
## 2080	0.624586940	5.362954e-02	major	0.02839145	109.940	0.575168848
## 2081	0.437512577	7.229162e-02	minor	0.03561659	126.028	0.106230915
## 2082	0.434955239	8.780935e-01	major	0.05152511	103.816	0.593756378
## 2083	0.645645380	2.150000e-05	major	0.03441542	117.994	0.088710308
## 2084	0.846091688	1.760000e-12	minor	0.24522394	172.159	0.562693894
## 2085	0.271185607	3.244978e-02	major	0.02887437	133.838	0.272111505
## 2086	0.746110797	1.050000e-05	major	0.03586958	115.775	0.767656386
## 2087	0.335737258	6.844700e-04	major	0.03917471	135.954	0.612565458
## 2088	0.266529858	1.140000e-08	major	0.03536425	144.955	0.394020587
## 2089	0.963921785	6.700000e-11	major	0.08005989	131.535	0.465335965
## 2090	0.718045890	2.140000e-05	minor	0.25590450	131.978	0.714584947
## 2091	0.584165752	1.987160e-04	minor	0.02662161	109.924	0.626482487
## 2092	0.722137809	1.087420e-04	major	0.04020167	91.980	0.748037875
## 2093	0.818413377	6.320000e-07	major	0.03612126	90.016	0.312964261
## 2094	0.713183343	1.310000e-08	major	0.26019934	99.761	0.374260157
## 2095	0.835830271	2.220000e-05	major	0.03604400	119.995	0.530848086
## 2096	0.712696254	1.510000e-09	major	0.03724169	162.180	0.477474540
## 2097	0.537669718	1.950000e-11	major	0.02686340	113.921	0.358891308
## 2098	0.820108294	1.650000e-05	major	0.21571009	173.314	0.637340844
## 2099	0.448762029	4.700000e-13	major	0.33277735	94.053	0.672052920
## 2100	0.547302783	1.609660e-04	major	0.05763387	89.993	0.401754469
## 2101	0.839675426	2.290000e-13	major	0.19862056	114.466	0.282558918
## 2102	0.148248836	2.500000e-08	major	0.03207072	72.677	0.137100801
## 2103	0.533902705	7.710000e-08	minor	0.07780509	97.510	0.309169143
## 2104	0.424807191	3.354480e-04	major	0.02921555	64.712	0.238782868
## 2105	0.755029082	1.110000e-05	major	0.04659980	118.995	0.378533244
## 2106	0.789203763	4.080000e-08	major	0.06912424	139.476	0.539126635
## 2107	0.592220843	4.460000e-06	minor	0.03418941	139.954	0.405293196
## 2108	0.690678000	3.430000e-06	minor	0.03928743	129.984	0.506766438
## 2109	0.876904488	6.570000e-07	minor	0.03436723	105.017	0.893450022
## 2110	0.633878887	6.530000e-07	minor	0.22867169	84.975	0.748565137
## 2111	0.664034843	9.070000e-12	minor	0.03839960	137.955	0.252769083
## 2112	0.397502512	2.290881e-03	major	0.03275708	180.218	0.721473455
## 2113	0.832055092	3.600000e-11	major	0.24401487	167.981	0.542846680
## 2114	0.553764582	4.200000e-07	major	0.02635778	143.940	0.610454738
## 2115	0.967700958	2.200000e-05	minor	0.06312634	131.100	0.710990131
## 2116	0.578850031	4.020000e-12	major	0.05214222	132.069	0.426830083
## 2117	0.738529265	4.610000e-05	major	0.05723000	96.217	0.452234238
## 2118	0.697171032	1.290000e-14	major	0.16981988	132.084	0.453489602
## 2119	0.730995595	8.350070e-02	minor	0.03218656	115.975	0.808193564
## 2120	0.875498533	2.860000e-09	major	0.06916741	171.919	0.424279064
## 2121	0.640640974	3.220000e-08	major	0.03162258	139.570	0.228477865
## 2122	0.921619713	2.410000e-12	major	0.17517506	97.950	0.555075765

## 2123	0.398098528	1.170876e-01	minor	0.03928525	86.988	0.327514797
## 2124	0.716294587	4.880000e-09	major	0.03903064	124.832	0.905005753
## 2125	0.508322239	6.129942e-02	major	0.03267792	114.009	0.262727588
## 2126	0.988760412	8.149228e-01	major	0.11264926	95.127	0.119028382
## 2127	0.482912928	7.990000e-06	minor	0.03008801	120.190	0.357986540
## 2128	0.423355162	3.250759e-03	major	0.03113634	112.001	0.427053630
## 2129	0.362467468	7.430000e-06	major	0.03179647	109.996	0.178491876
## 2130	0.799068928	6.750000e-11	major	0.06112367	145.138	0.319007874
## 2131	0.045064047	4.820101e-03	major	0.03535691	175.294	0.213314220
## 2132	0.776508749	2.320000e-05	minor	0.08448720	128.011	0.708793819
## 2133	0.758379698	3.020000e-07	major	0.05240876	137.152	0.320813835
## 2134	0.874363720	2.460000e-05	major	0.04662624	109.342	0.894230783
## 2135	0.994790494	3.480000e-05	major	0.12518568	102.436	0.468304694
## 2136	0.335664481	2.300000e-05	major	0.02885613	142.163	0.127097547
## 2137	0.052169364	3.254334e-03	major	0.04059663	117.804	0.093241923
## 2138	0.700773835	1.930000e-10	major	0.02899520	133.854	0.324306130
## 2139	0.709959745	4.160000e-05	major	0.02852847	123.434	0.929641664
## 2140	0.668665469	3.390000e-08	major	0.02532429	92.060	0.421006352
## 2141	0.304012269	6.216220e-04	major	0.03179626	126.078	0.172032773
## 2142	0.971139967	1.340000e-10	minor	0.07910956	135.116	0.428026199
## 2143	0.701902390	5.670000e-12	major	0.06767568	97.972	0.507607877
## 2144	0.675752461	1.260000e-07	minor	0.10002416	139.988	0.377319932
## 2145	0.616394520	5.220000e-05	major	0.02915214	147.960	0.561011076
## 2146	0.665339172	8.518622e-01	major	0.03013172	119.998	0.457101882
## 2147	0.709886849	1.120000e-05	major	0.07677396	138.206	0.659475684
## 2148	0.409405202	2.900000e-05	major	0.02646447	131.759	0.140877068
## 2149	0.714077413	1.890000e-08	major	0.06216928	149.949	0.840199590
## 2150	0.846386909	3.180000e-06	minor	0.06374962	139.952	0.778412223
## 2151	0.925461709	3.269177e-03	major	0.03900340	130.958	0.494624496
## 2152	0.849171042	3.060000e-12	major	0.05010361	97.031	0.555558324
## 2153	0.683417141	7.929329e-01	major	0.04690307	129.985	0.431824803
## 2154	0.699273467	1.650000e-05	major	0.19904433	81.003	0.696247578
## 2155	0.880813658	2.520835e-01	major	0.03587496	117.013	0.103494905
## 2156	0.545261204	1.270000e-10	major	0.08665324	77.332	0.942621171
## 2157	0.424209595	3.290000e-07	major	0.03488120	55.952	0.337599933
## 2158	0.699837983	4.620000e-12	major	0.10602189	172.248	0.752612114
## 2159	0.597846329	6.140239e-01	minor	0.02479322	98.016	0.432195902
## 2160	0.346915066	4.290000e-10	major	0.04326221	119.676	0.730439603
## 2161	0.647140145	1.510000e-12	major	0.07951411	76.948	0.632299423
## 2162	0.863664746	3.152829e-03	major	0.03120594	93.024	0.422086328
## 2163	0.239874795	5.140000e-10	major	0.03948042	179.306	0.203830779
## 2164	0.821970284	5.510000e-06	major	0.02802756	102.510	0.817188561
## 2165	0.809854388	2.540000e-05	major	0.40387163	149.972	0.821767807
## 2166	0.509066164	4.842570e-04	major	0.02900064	89.982	0.302026600
## 2167	0.444415092	2.820000e-10	major	0.12652750	104.483	0.205507129
## 2168	0.334788889	6.675228e-01	major	0.05645688	160.069	0.198231861
## 2169	0.718600929	1.830000e-08	minor	0.05690736	93.012	0.242662191
## 2170	0.536124706	5.320000e-05	major	0.04745644	153.918	0.412601650
## 2171	0.501436114	3.680000e-07	minor	0.03720628	179.312	0.120451204
## 2172	0.528256655	2.580000e-08	major	0.03141399	188.161	0.773391187
## 2173	0.493300438	8.870872e-02	major	0.02921968	99.983	0.725728512
## 2174	0.443278044	9.427567e-01	major	0.04649395	80.176	0.067348547
## 2175	0.794080138	7.864126e-01	major	0.02550218	96.333	0.588978291
## 2176	0.578851342	4.260000e-12	major	0.03000481	146.055	0.240410656

## 2177	0.947713614	5.000000e-07	major	0.16234313	179.973	0.413712949
## 2178	0.417716444	7.690000e-06	minor	0.03009594	132.464	0.255808353
## 2179	0.486355275	7.100000e-10	major	0.16365102	100.808	0.445628971
## 2180	0.321488470	9.581956e-01	major	0.05504513	216.153	0.242404640
## 2181	0.847503424	5.810000e-07	major	0.04065928	100.009	0.827855110
## 2182	0.496367067	4.020000e-07	major	0.03575953	128.056	0.875653565
## 2183	0.240496546	1.760325e-02	major	0.04841568	170.956	0.225180909
## 2184	0.654602826	3.570000e-06	major	0.03151205	119.759	0.201405302
## 2185	0.924858391	4.920000e-10	major	0.03592687	118.024	0.930450559
## 2186	0.843145430	3.467610e-04	major	0.03397242	89.021	0.951424599
## 2187	0.478393376	8.020000e-10	major	0.04038859	86.862	0.356549650
## 2188	0.238909125	3.020000e-06	major	0.10078436	152.436	0.815515637
## 2189	0.506514192	7.390000e-08	major	0.04858851	154.926	0.960743904
## 2190	0.121592820	7.860000e-06	major	0.04778873	181.331	0.128370672
## 2191	0.940851867	6.552332e-02	major	0.04149718	159.594	0.526084661
## 2192	0.729354262	2.670000e-08	major	0.03259577	128.014	0.101196982
## 2193	0.527477920	1.209790e-04	major	0.10639368	169.343	0.584524393
## 2194	0.722796619	1.130000e-09	major	0.03635855	149.923	0.130562946
## 2195	0.959599435	2.484402e-02	minor	0.17785346	196.140	0.237347871
## 2196	0.352058232	5.870000e-06	major	0.04259456	188.861	0.324997544
## 2197	0.467793286	2.130000e-12	major	0.22017859	150.011	0.379288942
## 2198	0.556028247	1.816291e-03	major	0.03492711	116.470	0.716300845
## 2199	0.477661371	1.766774e-01	major	0.03372942	118.296	0.349975616
## 2200	0.093298532	2.817059e-01	major	0.03779976	59.006	0.203247398
## 2201	0.094739445	4.368445e-01	major	0.03370732	136.022	0.038337696
## 2202	0.630389094	1.510000e-11	major	0.24331474	126.542	0.522217929
## 2203	0.881340086	2.316250e-04	major	0.09470326	200.393	0.743152142
## 2204	0.947928548	4.600000e-08	minor	0.11205693	100.000	0.603259623
## 2205	0.681851745	2.790000e-12	minor	0.20321369	138.264	0.578187943
## 2206	0.451774150	3.000000e-05	major	0.03072241	159.784	0.272604644
## 2207	0.808945715	4.560000e-13	major	0.33792558	178.043	0.631640732
## 2208	0.673035741	5.950000e-12	major	0.29654068	123.964	0.447583079
## 2209	0.800085723	5.490000e-10	major	0.03767549	89.974	0.527300298
## 2210	0.633297145	2.380000e-11	minor	0.15413518	130.029	0.542879641
## 2211	0.586015344	7.390000e-10	minor	0.04517048	139.949	0.297772825
## 2212	0.543199897	3.640000e-07	major	0.06227494	78.666	0.242831677
## 2213	0.296278864	6.020000e-05	major	0.02924012	91.973	0.213051379
## 2214	0.779959917	2.630000e-09	major	0.03729257	147.986	0.430903107
## 2215	0.785871804	1.070000e-07	minor	0.09093737	150.035	0.749087334
## 2216	0.723021984	3.550000e-08	major	0.04208372	107.452	0.972898662
## 2217	0.239567012	5.090000e-05	major	0.03007257	129.667	0.060784891
## 2218	0.668253303	5.410000e-05	major	0.04420606	159.905	0.966710031
## 2219	0.864564538	1.310000e-10	major	0.18574292	130.041	0.635170102
## 2220	0.824902892	6.800000e-09	major	0.04047128	119.893	0.946899295
## 2221	0.589704990	6.156256e-01	major	0.05536677	87.997	0.788318396
## 2222	0.819275141	5.700000e-08	minor	0.26292905	83.326	0.711564362
## 2223	0.560740232	4.420000e-10	major	0.05067942	78.275	0.826671481
## 2224	0.846579194	6.366808e-01	major	0.04201882	138.042	0.208402261
## 2225	0.224674940	3.190000e-08	major	0.03015525	173.788	0.354908139
## 2226	0.588003516	3.630000e-05	major	0.05809318	117.030	0.493638396
## 2227	0.003414714	9.427919e-01	minor	0.04471213	116.941	0.117438272
## 2228	0.577752650	1.300000e-13	minor	0.08113307	155.726	0.660855114
## 2229	0.683483839	4.009150e-04	major	0.03889595	104.014	0.437278628
## 2230	0.643118441	1.711140e-04	minor	0.04516143	192.003	0.312716633

## 2231	0.881460488	4.759129e-01	major	0.04307932	168.025	0.444887459
## 2232	0.916081548	1.220000e-05	major	0.22585049	127.973	0.651253641
## 2233	0.732880056	1.500000e-07	major	0.18443198	120.046	0.761257768
## 2234	0.240739241	1.880000e-05	major	0.03003312	109.933	0.096978925
## 2235	0.478954643	8.110000e-05	major	0.04213607	132.107	0.078280970
## 2236	0.813345551	1.380000e-10	major	0.15642086	96.819	0.849594176
## 2237	0.705753028	1.290000e-06	major	0.03071163	122.941	0.389998525
## 2238	0.969886005	2.890000e-05	minor	0.11606028	175.672	0.533248544
## 2239	0.924355030	3.972480e-04	minor	0.06708192	122.953	0.265736789
## 2240	0.911145449	8.570000e-05	major	0.11365823	94.950	0.378388643
## 2241	0.724268436	4.070000e-05	major	0.04388959	127.059	0.525714457
## 2242	0.292197615	4.530000e-11	major	0.03231948	145.879	0.370415360
## 2243	0.427553654	7.827560e-03	major	0.03354314	129.973	0.133358717
## 2244	0.438853860	7.040000e-09	major	0.02592585	84.956	0.238305092
## 2245	0.905518651	5.620000e-10	major	0.08662383	147.864	0.195521325
## 2246	0.959339201	1.010000e-08	major	0.09516150	94.277	0.570945859
## 2247	0.549059808	2.564518e-03	major	0.02952440	99.985	0.385402471
## 2248	0.780845881	1.940000e-05	major	0.03152101	117.580	0.684586644
## 2249	0.745819449	2.480000e-11	major	0.05820485	125.179	0.447486937
## 2250	0.544758439	1.490000e-12	major	0.04146288	125.072	0.637935281
## 2251	0.831173122	4.210000e-11	major	0.21577816	145.047	0.588735461
## 2252	0.530084193	6.714792e-02	major	0.12282950	108.042	0.271144718
## 2253	0.402847916	1.438843e-03	major	0.02715918	140.110	0.358449906
## 2254	0.516808629	1.650000e-06	major	0.04066420	91.824	0.178378180
## 2255	0.592116654	7.010000e-07	major	0.03181986	124.987	0.593689322
## 2256	0.631294429	1.430000e-07	major	0.26167890	170.187	0.369991541
## 2257	0.444005847	3.810000e-05	minor	0.02964895	145.900	0.691856980
## 2258	0.820689499	3.140000e-07	major	0.04064179	139.957	0.539376259
## 2259	0.255837679	3.690000e-09	major	0.03489036	121.976	0.104874626
## 2260	0.482535511	8.840853e-01	major	0.04646180	92.036	0.279353470
## 2261	0.872352600	7.200000e-09	major	0.04392317	161.891	0.477861196
## 2262	0.931638718	4.638840e-04	major	0.05037889	156.014	0.559559762
## 2263	0.748108029	2.390000e-05	major	0.13579415	85.002	0.418727458
## 2264	0.621230721	6.795002e-02	major	0.05170824	89.006	0.594748378
## 2265	0.906318128	2.820000e-08	major	0.04771556	135.960	0.562006652
## 2266	0.816917956	1.050000e-06	major	0.04779054	125.043	0.452915728
## 2267	0.486751258	8.030000e-13	minor	0.09408680	61.314	0.374841124
## 2268	0.544428170	1.680000e-06	major	0.03142589	138.196	0.503140688
## 2269	0.685254216	1.900000e-07	major	0.02954287	170.075	0.650787830
## 2270	0.781567216	8.080000e-07	major	0.03197945	126.003	0.414685935
## 2271	0.561777353	8.655755e-01	major	0.06229379	128.004	0.373698145
## 2272	0.368402421	6.080000e-07	major	0.02627954	104.057	0.738272667
## 2273	0.382691532	6.518687e-02	major	0.05205846	129.929	0.513744354
## 2274	0.886513591	3.300700e-04	major	0.08799069	118.982	0.947295547
## 2275	0.477556944	3.830000e-08	major	0.03417193	126.948	0.371167481
## 2276	0.830179214	1.180000e-08	major	0.26157364	87.852	0.822774529
## 2277	0.512181520	1.230000e-06	major	0.05164674	149.888	0.970033944
## 2278	0.794795632	3.420000e-06	major	0.06732281	156.012	0.541047335
## 2279	0.951090515	1.614380e-04	major	0.05327541	128.964	0.458215028
## 2280	0.963489234	3.590000e-08	major	0.51886106	175.948	0.286957830
## 2281	0.803569615	9.170000e-08	major	0.05690911	143.952	0.552712142
## 2282	0.971153915	2.110000e-10	minor	0.24333751	155.852	0.167900965
## 2283	0.702530980	1.960000e-06	minor	0.03400643	88.518	0.298845083
## 2284	0.719535410	7.180000e-08	major	0.05081988	172.750	0.962553084

## 2285	0.634001672	3.220000e-12	major	0.03024810	180.035	0.314224303
## 2286	0.628574669	1.110000e-09	major	0.02848731	171.997	0.443809062
## 2287	0.554699898	2.080000e-13	major	0.03172543	119.952	0.098142534
## 2288	0.618962109	3.090000e-07	minor	0.07581231	122.033	0.870483816
## 2289	0.374475330	2.720000e-07	major	0.03315522	122.574	0.199673489
## 2290	0.417293042	5.600000e-11	major	0.69824296	137.267	0.285411328
## 2291	0.753402054	4.190000e-05	major	0.03456646	123.979	0.379923642
## 2292	0.440858305	5.380000e-09	minor	0.03365650	81.368	0.349317551
## 2293	0.518414199	4.680000e-07	minor	0.02922910	130.306	0.298980683
## 2294	0.549665570	1.810000e-05	minor	0.03239749	116.052	0.113256387
## 2295	0.387124628	8.105555e-01	minor	0.41118556	190.109	0.930551410
## 2296	0.418765783	2.720000e-08	major	0.03208892	168.613	0.365911454
## 2297	0.623436630	2.540000e-08	major	0.20444913	154.156	0.609188557
## 2298	0.610341251	8.090000e-10	major	0.02955603	105.189	0.732566535
## 2299	0.809018731	1.751240e-04	major	0.02857894	127.025	0.806663752
## 2300	0.601867080	6.092310e-04	minor	0.31517762	141.345	0.560316563
## 2301	0.884350657	4.630000e-12	major	0.78356558	116.319	0.671246767
## 2302	0.874942243	8.880000e-09	minor	0.03982534	89.976	0.660498798
## 2303	0.954207420	8.560000e-08	major	0.09912735	133.033	0.856902659
## 2304	0.565988064	2.820000e-09	major	0.02993408	152.467	0.811899364
## 2305	0.730268300	5.251421e-01	major	0.04549501	111.995	0.189392954
## 2306	0.393655628	9.201148e-01	major	0.03215508	103.856	0.036679827
## 2307	0.545173645	9.325360e-04	major	0.02890354	80.012	0.279807836
## 2308	0.825824678	6.050000e-10	minor	0.05910701	139.989	0.705951393
## 2309	0.766534388	9.590000e-15	major	0.33890602	137.030	0.504041910
## 2310	0.903640509	2.065730e-04	minor	0.14093986	75.158	0.506154954
## 2311	0.833733261	9.503230e-04	minor	0.03677434	162.910	0.183768436
## 2312	0.559815049	1.312101e-01	major	0.06080645	114.034	0.354939699
## 2313	0.584201813	3.850000e-13	major	0.27594906	137.477	0.678045034
## 2314	0.988493860	2.467860e-04	major	0.20584932	162.906	0.185728714
## 2315	0.250233918	1.096652e-01	major	0.03694588	73.881	0.418970495
## 2316	0.635348618	3.950000e-06	major	0.03134366	139.969	0.084705532
## 2317	0.832203150	9.948351e-02	major	0.06388347	120.997	0.424023658
## 2318	0.480608433	3.170000e-05	major	0.02555672	92.444	0.873607874
## 2319	0.687718451	2.935670e-04	minor	0.03632730	135.018	0.265236229
## 2320	0.641971350	7.635459e-01	major	0.03106205	141.931	0.621914446
## 2321	0.420162201	6.390000e-05	major	0.04141422	84.094	0.184445024
## 2322	0.888582766	1.074179e-03	major	0.13956440	198.043	0.711515725
## 2323	0.894014060	4.300000e-06	major	0.14228825	116.009	0.389995307
## 2324	0.544816732	5.490000e-10	minor	0.17447135	74.032	0.250668049
## 2325	0.943571985	1.010000e-13	major	0.16406985	154.867	0.727091789
## 2326	0.101300508	5.022441e-01	major	0.06187407	122.387	0.556760907
## 2327	0.598740458	1.350000e-07	major	0.03397593	76.970	0.177991971
## 2328	0.808102012	2.420000e-05	major	0.17590050	195.956	0.397005022
## 2329	0.768790066	1.050000e-06	major	0.21766664	83.898	0.586298585
## 2330	0.444984347	9.300000e-09	minor	0.04134122	144.020	0.176238269
## 2331	0.697564304	6.104789e-03	major	0.02909544	106.989	0.100954607
## 2332	0.829247296	1.200000e-09	major	0.16874924	172.983	0.553208232
## 2333	0.864274263	2.257400e-04	major	0.05447138	106.766	0.774093449
## 2334	0.814739823	3.560000e-06	major	0.02977784	91.984	0.459123880
## 2335	0.630190790	4.550000e-09	minor	0.07890612	130.928	0.340274930
## 2336	0.620390952	1.776046e-01	major	0.03557777	173.202	0.652868271
## 2337	0.756036758	2.390000e-11	major	0.30819735	114.725	0.177276179
## 2338	0.423648477	4.030000e-07	major	0.11308896	149.835	0.579486072

## 2339	0.636348486	6.080000e-05	minor	0.03990027	119.959	0.861117899
## 2340	0.257567167	4.051752e-02	major	0.03301664	149.021	0.455241740
## 2341	0.738113880	1.410000e-09	major	0.07147936	136.122	0.604253650
## 2342	0.183609724	1.247620e-04	major	0.04731993	88.608	0.336435944
## 2343	0.506403804	4.496067e-03	major	0.02864972	134.488	0.576635242
## 2344	0.817436218	6.737781e-03	major	0.05543544	107.995	0.651020885
## 2345	0.685250223	2.013923e-03	major	0.03684091	99.972	0.087836333
## 2346	0.581024706	2.990000e-10	minor	0.04532969	133.065	0.125674054
## 2347	0.906927645	2.518976e-01	minor	0.33580494	140.096	0.833360314
## 2348	0.854148328	8.770000e-06	minor	0.06652463	116.894	0.958473980
## 2349	0.689097822	7.070000e-07	major	0.04608117	159.748	0.223586291
## 2350	0.664832115	7.690000e-07	major	0.29425210	126.064	0.287805885
## 2351	0.833700836	3.510000e-10	major	0.93856150	79.887	0.354082435
## 2352	0.649553299	1.220000e-12	major	0.27503887	84.974	0.618621826
## 2353	0.512536645	5.980000e-05	major	0.03884234	200.781	0.579363108
## 2354	0.110713944	4.370000e-05	major	0.03692156	116.860	0.218744248
## 2355	0.489204645	1.100000e-07	major	0.04970724	113.767	0.250902504
## 2356	0.602193534	8.482847e-01	major	0.03595662	144.854	0.321107179
## 2357	0.098747350	2.582905e-02	major	0.04243661	75.898	0.164392889
## 2358	0.949013531	9.232430e-01	major	0.05594809	149.962	0.615844369
## 2359	0.882114530	1.739620e-04	minor	0.04959938	119.964	0.939431071
## 2360	0.762949049	6.420000e-08	major	0.07294827	98.011	0.709056079
## 2361	0.174772039	3.370000e-06	major	0.04559303	115.029	0.448219597
## 2362	0.635319710	1.443174e-03	major	0.02905887	150.377	0.584575295
## 2363	0.829823375	2.802723e-03	major	0.04157280	120.017	0.486434072
## 2364	0.700958371	3.460000e-09	major	0.14089997	136.013	0.469552457
## 2365	0.890505552	6.670000e-06	major	0.13399974	121.891	0.850633860
## 2366	0.516869664	7.463562e-03	major	0.12462026	85.432	0.599982738
## 2367	0.503728807	9.878500e-04	minor	0.04502030	82.989	0.798088610
## 2368	0.355076939	1.690900e-01	major	0.02852708	95.985	0.751293182
## 2369	0.659804523	2.617369e-01	major	0.02777532	139.060	0.383456171
## 2370	0.665464938	7.317160e-04	major	0.06435036	117.055	0.199454635
## 2371	0.832000613	1.784953e-03	major	0.04207078	124.956	0.814241469
## 2372	0.492597461	8.142916e-01	major	0.04325622	125.963	0.108474374
## 2373	0.097212344	7.055334e-01	minor	0.03778220	130.748	0.054890901
## 2374	0.521535754	2.757985e-03	minor	0.18377428	135.084	0.322413355
## 2375	0.520077825	1.250000e-05	major	0.03759923	104.990	0.735175788
## 2376	0.803218782	5.610000e-13	major	0.30882841	139.987	0.372312665
## 2377	0.616708875	3.520000e-08	major	0.56486446	84.144	0.309227705
## 2378	0.551456511	1.535596e-02	minor	0.03537438	108.849	0.481395632
## 2379	0.442268133	1.710000e-06	major	0.03108359	104.956	0.241129458
## 2380	0.799952209	3.080000e-11	major	0.03600240	104.024	0.923701942
## 2381	0.496857941	1.710000e-12	major	0.31604561	130.027	0.477147430
## 2382	0.592022896	7.126074e-01	major	0.04053712	126.620	0.280268461
## 2383	0.793128133	1.400000e-10	major	0.05073634	76.082	0.313729137
## 2384	0.641471267	2.360000e-06	major	0.03319850	139.922	0.783966005
## 2385	0.438769013	1.270000e-07	minor	0.05569119	147.022	0.549125671
## 2386	0.824749589	3.597290e-04	major	0.03357801	119.803	0.796110988
## 2387	0.447405964	4.930000e-05	minor	0.10903282	144.409	0.461155444
## 2388	0.441905707	5.000000e-10	major	0.04314040	119.760	0.338657558
## 2389	0.866982400	4.630000e-10	major	0.07417920	85.017	0.528903127
## 2390	0.875757754	6.480000e-11	major	0.03939843	115.050	0.782555163
## 2391	0.688265264	9.000000e-06	major	0.03102082	111.020	0.432852447
## 2392	0.875678599	3.435710e-04	major	0.08661377	104.989	0.805965543

## 2393	0.346576869	3.530000e-06	major	0.04395001	79.928	0.696318328
## 2394	0.624808669	2.600000e-07	minor	0.14804017	130.794	0.321740687
## 2395	0.244538829	1.080000e-05	major	0.04084929	59.141	0.069505692
## 2396	0.739217579	2.080000e-06	major	0.03649409	100.005	0.548562825
## 2397	0.473433703	3.290000e-08	major	0.20273350	126.017	0.808301389
## 2398	0.579233289	2.520000e-13	major	0.05322661	153.151	0.166004106
## 2399	0.663781345	1.177740e-04	major	0.21120800	140.163	0.471694022
## 2400	0.725351751	5.420000e-09	minor	0.06756815	128.040	0.597996891
## 2401	0.353495032	1.880000e-06	major	0.03312398	206.173	0.226141989
## 2402	0.264023811	6.399789e-02	major	0.02657487	76.025	0.221453995
## 2403	0.524910271	4.360000e-05	major	0.07776503	127.978	0.267199069
## 2404	0.668922365	1.381354e-03	minor	0.06376190	100.052	0.567701936
## 2405	0.871869802	2.461148e-01	major	0.03830117	120.006	0.449470937
## 2406	0.249997377	6.130000e-07	major	0.03037809	126.960	0.294995338
## 2407	0.946845591	6.820000e-10	major	0.30639243	166.247	0.473348558
## 2408	0.618293405	9.711739e-02	major	0.02962998	176.141	0.498790562
## 2409	0.860183835	1.000000e-11	minor	0.87154710	87.860	0.637940764
## 2410	0.971587598	1.959322e-03	major	0.07992895	153.025	0.655720711
## 2411	0.832090080	4.752481e-02	major	0.03220319	102.448	0.088558659
## 2412	0.202699319	1.620000e-05	major	0.03435187	139.656	0.260139674
## 2413	0.798225939	4.540000e-05	major	0.08486000	120.162	0.895480096
## 2414	0.833714604	4.320000e-08	major	0.03038606	132.019	0.662775517
## 2415	0.557671070	1.770000e-07	major	0.03619956	125.041	0.968642831
## 2416	0.877436817	9.490000e-09	major	0.04485006	144.986	0.639026463
## 2417	0.838622332	1.010000e-07	major	0.04965926	82.011	0.482928813
## 2418	0.805194676	9.400000e-12	major	0.04909069	110.008	0.726588309
## 2419	0.545122087	1.367847e-02	major	0.02725408	99.914	0.104019985
## 2420	0.413034201	8.580000e-05	minor	0.34574324	170.096	0.457845181
## 2421	0.705347896	1.580000e-06	major	0.08476325	75.036	0.152503043
## 2422	0.833021879	5.198418e-01	major	0.03289839	135.528	0.238948151
## 2423	0.626612782	1.020000e-08	major	0.03057801	142.063	0.169552550
## 2424	0.663320243	4.920000e-06	major	0.04601631	94.815	0.970363855
## 2425	0.540777147	1.010000e-05	major	0.03799329	79.262	0.089859307
## 2426	0.235154599	9.197460e-04	minor	0.03053167	144.657	0.221710488
## 2427	0.429104537	1.810000e-14	major	0.27570969	137.877	0.683173060
## 2428	0.397520304	1.550000e-06	major	0.03411584	130.258	0.889820158
## 2429	0.942183912	6.590000e-10	major	0.18179145	100.025	0.496591151
## 2430	0.615004718	1.170000e-06	major	0.06525831	102.027	0.956540644
## 2431	0.473066211	2.290000e-09	minor	0.02424406	111.928	0.423981398
## 2432	0.601407826	1.170000e-05	major	0.03037717	98.040	0.433669001
## 2433	0.942760229	2.900000e-08	major	0.02879074	164.176	0.807129502
## 2434	0.557595730	2.000356e-02	major	0.06517480	119.518	0.511202991
## 2435	0.791109562	4.370000e-05	major	0.06895744	117.974	0.434543610
## 2436	0.623953581	9.120000e-12	major	0.20537065	136.036	0.504224062
## 2437	0.774597287	3.910000e-08	major	0.10057516	134.004	0.594208598
## 2438	0.976851463	3.160000e-07	major	0.04501258	154.038	0.745975316
## 2439	0.360197186	3.020000e-05	major	0.02725504	134.775	0.158521950
## 2440	0.786853611	6.700000e-14	minor	0.24550714	119.986	0.601446688
## 2441	0.716426551	9.800000e-09	minor	0.11451397	99.949	0.557618201
## 2442	0.588831067	6.510000e-05	major	0.14825919	120.448	0.973336041
## 2443	0.308044612	1.657983e-03	major	0.02903849	92.034	0.239396781
## 2444	0.212249830	8.530452e-01	major	0.03542661	179.705	0.176664934
## 2445	0.176084936	9.133396e-01	major	0.04609597	100.558	0.308350265
## 2446	0.650659680	7.367140e-04	major	0.29393953	140.200	0.508376062

## 2447	0.887666821	1.930000e-07	major	0.05650422	110.975	0.847395957
## 2448	0.984737158	2.806379e-01	major	0.06751864	127.974	0.038754031
## 2449	0.513742566	1.780000e-09	major	0.23909903	140.968	0.473558933
## 2450	0.496093303	1.310000e-05	major	0.15867163	75.564	0.080583267
## 2451	0.978920937	1.350979e-03	major	0.07148863	108.200	0.311880320
## 2452	0.836822033	1.050000e-08	major	0.06644207	102.501	0.837177038
## 2453	0.674356222	9.070000e-09	major	0.08316926	119.988	0.421625197
## 2454	0.512712598	9.002184e-01	minor	0.05955358	113.274	0.209332988
## 2455	0.362134129	1.740000e-10	minor	0.94016081	66.881	0.310560882
## 2456	0.621256828	2.600000e-05	major	0.02531026	100.038	0.407520115
## 2457	0.936153769	7.287120e-04	minor	0.06447826	141.959	0.385334492
## 2458	0.325447023	9.922804e-01	major	0.03521896	108.360	0.287641346
## 2459	0.281438529	9.252046e-01	major	0.03973400	99.965	0.389470518
## 2460	0.743738770	8.390000e-12	major	0.05718604	124.983	0.519420266
## 2461	0.812522233	1.010000e-12	major	0.08521631	130.095	0.575951874
## 2462	0.672718346	1.330000e-13	minor	0.19588235	99.606	0.656862557
## 2463	0.861224651	1.391214e-01	major	0.11393467	99.971	0.411407501
## 2464	0.822039068	1.510000e-07	major	0.05491965	133.755	0.920780718
## 2465	0.608504117	8.150000e-05	major	0.08243114	114.988	0.927650332
## 2466	0.856499434	5.707771e-03	minor	0.08079626	128.017	0.350268453
## 2467	0.516897857	1.820000e-09	major	0.09693242	167.582	0.275765121
## 2468	0.785004079	1.690000e-07	minor	0.04800239	96.988	0.895081401
## 2469	0.771394491	3.040000e-08	minor	0.05060256	93.189	0.405753106
## 2470	0.387971967	3.877714e-01	major	0.04784791	105.263	0.212762535
## 2471	0.668843567	3.020000e-05	major	0.06535881	165.039	0.920060396
## 2472	0.897081614	2.059120e-03	major	0.04530437	92.990	0.688832760
## 2473	0.200643659	9.417951e-01	major	0.03373280	86.029	0.039445940
## 2474	0.539251149	1.316231e-02	major	0.03800682	108.946	0.283265352
## 2475	0.988854587	1.840000e-05	minor	0.12046301	115.947	0.404214233
## 2476	0.757757127	1.450000e-08	major	0.07577896	120.038	0.316218078
## 2477	0.752302885	7.533725e-03	major	0.12300631	128.016	0.495889664
## 2478	0.461641103	1.221306e-01	major	0.03379358	113.470	0.180586308
## 2479	0.660473943	2.300000e-11	minor	0.25135016	129.991	0.763032317
## 2480	0.832751274	1.910000e-13	major	0.03955441	87.424	0.735666096
## 2481	0.927007794	1.360000e-09	major	0.14868569	93.975	0.861625731
## 2482	0.441890538	5.366718e-01	major	0.02980275	67.095	0.075808398
## 2483	0.864910066	1.210000e-06	major	0.06235894	189.970	0.945582390
## 2484	0.035702355	8.865127e-01	major	0.03556204	80.971	0.049112175
## 2485	0.811284661	9.770000e-05	major	0.05467909	124.001	0.376511067
## 2486	0.279548079	3.998820e-04	major	0.03201459	99.023	0.369942248
## 2487	0.795470834	4.700000e-09	major	0.09822725	128.013	0.681616783
## 2488	0.588926435	2.180000e-13	major	0.39055553	96.253	0.284481108
## 2489	0.616789758	6.580000e-09	major	0.27481148	132.088	0.604273677
## 2490	0.673212051	6.860000e-09	minor	0.04911537	124.011	0.126073375
## 2491	0.622830629	2.410000e-08	minor	0.16266951	99.846	0.216640890
## 2492	0.425738603	7.290000e-08	major	0.19786519	97.962	0.327030182
## 2493	0.730426610	1.250000e-06	minor	0.09898220	173.967	0.879489362
## 2494	0.783330441	1.080000e-10	major	0.11914012	110.054	0.544417679
## 2495	0.880375385	3.060000e-07	major	0.05385134	156.018	0.694105864
## 2496	0.936882377	5.942169e-01	major	0.06052323	94.960	0.542562068
## 2497	0.358906090	9.070000e-07	major	0.03117857	73.059	0.192660302
## 2498	0.132287517	2.730000e-08	major	0.07867014	85.039	0.283038586
## 2499	0.683126807	9.130000e-08	minor	0.04192027	91.024	0.440897048
## 2500	0.727794945	3.530000e-07	major	0.03101718	114.027	0.547357142

## 2501	0.328675896	6.245443e-03	minor	0.05742625	173.661	0.053878214
## 2502	0.383179128	2.756198e-01	major	0.02951024	82.276	0.153434575
## 2503	0.358744889	3.940000e-13	major	0.38882446	132.019	0.385185629
## 2504	0.467037648	3.180000e-10	major	0.05807470	121.741	0.433504462
## 2505	0.718951881	1.540000e-05	major	0.02713944	115.065	0.615919352
## 2506	0.648772717	1.633958e-01	major	0.07335986	143.975	0.222929865
## 2507	0.403936923	2.200540e-04	minor	0.03976372	135.016	0.328760356
## 2508	0.475169033	3.422746e-02	major	0.03085393	83.102	0.235322788
## 2509	0.378346443	2.630000e-08	minor	0.05110535	85.149	0.399545968
## 2510	0.941031814	6.212903e-01	major	0.05318024	124.035	0.340846330
## 2511	0.708435178	3.310000e-05	major	0.12031844	167.984	0.754550993
## 2512	0.346114337	6.670000e-10	minor	0.03357932	136.005	0.463611990
## 2513	0.578469574	8.530000e-13	minor	0.59938550	199.549	0.602849483
## 2514	0.933299541	4.829630e-04	major	0.03675932	131.995	0.449669212
## 2515	0.972713768	5.718998e-03	major	0.16000745	117.030	0.429106504
## 2516	0.330713689	5.941690e-03	major	0.08385762	100.114	0.190095529
## 2517	0.936875761	6.942267e-01	major	0.04878859	137.998	0.689652383
## 2518	0.318015695	4.358703e-01	major	0.03255812	85.360	0.225562647
## 2519	0.833566487	8.530000e-11	major	0.06281263	172.003	0.780745447
## 2520	0.631530643	1.159213e-01	minor	0.04998431	174.029	0.332646906
## 2521	0.549163699	2.150000e-13	minor	0.42482302	170.541	0.609986067
## 2522	0.580746591	5.070000e-09	minor	0.09499512	138.012	0.653261900
## 2523	0.755511820	4.415566e-03	major	0.05029931	145.964	0.362985611
## 2524	0.617914498	4.430000e-05	major	0.12283020	161.962	0.922931731
## 2525	0.809507072	1.270000e-05	major	0.04262938	84.372	0.260415316
## 2526	0.317272544	1.409405e-02	major	0.05081099	116.928	0.057975616
## 2527	0.537238717	9.250000e-06	major	0.06761648	129.989	0.431797504
## 2528	0.762901366	1.900000e-12	major	0.63544571	78.751	0.213777691
## 2529	0.552116692	6.690000e-05	major	0.03332528	120.056	0.176538050
## 2530	0.689497173	5.400000e-08	major	0.05356266	110.065	0.462935627
## 2531	0.655019462	5.390000e-05	major	0.03014349	87.951	0.393213749
## 2532	0.918317854	2.720000e-06	major	0.05988077	169.973	0.479470789
## 2533	0.605606437	3.172103e-03	minor	0.02809071	111.942	0.430274040
## 2534	0.465911359	7.605380e-04	major	0.03079768	110.011	0.244855449
## 2535	0.639477670	2.710000e-10	major	0.07316515	123.029	0.418229997
## 2536	0.595858037	8.170000e-10	major	0.22383256	158.063	0.553774536
## 2537	0.884848952	2.160000e-05	major	0.07163031	157.944	0.970380902
## 2538	0.580763340	7.390000e-08	major	0.03943510	158.041	0.508695841
## 2539	0.576491416	5.880000e-10	major	0.06069861	74.939	0.286297768
## 2540	0.393879324	1.690701e-03	minor	0.16991351	90.065	0.418446451
## 2541	0.922428191	1.380000e-09	minor	0.13917521	124.027	0.496522725
## 2542	0.562814415	1.250000e-13	major	0.04991019	136.066	0.740844667
## 2543	0.716456950	2.770000e-07	major	0.04984621	94.986	0.538329005
## 2544	0.183811203	3.141790e-04	minor	0.03125577	127.946	0.133295402
## 2545	0.653448522	6.470000e-06	major	0.03774245	140.081	0.962829709
## 2546	0.174891293	9.552011e-01	major	0.14654216	133.889	0.811045229
## 2547	0.252638578	1.110000e-05	major	0.03038091	140.923	0.456780732
## 2548	0.786871493	2.010000e-10	minor	0.08887178	119.981	0.571154296
## 2549	0.945308030	3.370000e-07	major	0.07803507	165.092	0.626518846
## 2550	0.482158452	6.770000e-07	major	0.03000837	128.015	0.315173209
## 2551	0.548875928	1.840000e-10	minor	0.40982813	60.845	0.392248511
## 2552	0.704740703	1.560000e-07	major	0.04130867	86.964	0.451013803
## 2553	0.525813401	8.473153e-01	major	0.18069598	167.608	0.433868051
## 2554	0.440427989	5.840000e-09	major	0.04976677	160.061	0.148006633

## 2555	0.836445570	6.990000e-06	minor	0.27411294	113.743	0.763268769
## 2556	0.844138265	7.578336e-01	minor	0.03844403	180.053	0.036497623
## 2557	0.510495007	9.590000e-07	major	0.03527317	135.111	0.796802580
## 2558	0.505157411	1.790000e-08	minor	0.14283229	171.347	0.312169015
## 2559	0.451835126	2.510000e-09	major	0.03186766	142.312	0.451302081
## 2560	0.737721801	9.320000e-09	major	0.03628656	117.951	0.545861363
## 2561	0.621846974	4.250000e-12	major	0.19600160	133.272	0.393112153
## 2562	0.849897742	4.600000e-05	major	0.08037589	154.962	0.520056546
## 2563	0.845034659	4.516550e-04	major	0.02897553	147.204	0.969931126
## 2564	0.656648695	5.700000e-05	major	0.06281851	139.990	0.412899196
## 2565	0.536404252	1.130473e-03	major	0.02506215	147.506	0.409596920
## 2566	0.632765949	2.610000e-07	minor	0.09037497	128.978	0.298670202
## 2567	0.587572396	3.830000e-09	major	0.04487655	102.552	0.920971155
## 2568	0.581715405	1.520000e-09	major	0.06711908	138.189	0.856953681
## 2569	0.963035285	1.440000e-11	major	0.17381759	155.026	0.697171688
## 2570	0.359523445	8.576683e-01	minor	0.03430064	82.083	0.149390399
## 2571	0.940428615	3.390000e-07	major	0.28768775	114.986	0.575687468
## 2572	0.974982262	8.100000e-09	major	0.23597947	141.977	0.638820946
## 2573	0.384777576	1.669630e-04	minor	0.21696901	95.992	0.301884085
## 2574	0.542780459	1.260000e-06	major	0.13836223	130.064	0.140321583
## 2575	0.335754663	5.140000e-06	major	0.02972381	116.946	0.092699036
## 2576	0.234695032	4.302980e-04	major	0.05714705	131.441	0.088610046
## 2577	0.539137721	1.130000e-09	minor	0.16935290	91.205	0.428793103
## 2578	0.482138574	1.146345e-03	major	0.03310222	127.928	0.238369748
## 2579	0.892324448	1.490000e-10	major	0.03919413	123.074	0.521793485
## 2580	0.501179695	9.490000e-06	minor	0.03003172	98.977	0.753553927
## 2581	0.333513707	1.400000e-10	major	0.23063812	118.065	0.156495795
## 2582	0.361848325	1.020000e-07	major	0.04397890	177.641	0.805246115
## 2583	0.817148983	4.820000e-07	minor	0.06059333	91.998	0.603546262
## 2584	0.906045616	3.460000e-10	major	0.08924438	101.006	0.618105710
## 2585	0.584882736	7.680745e-01	major	0.42571631	74.383	0.132966042
## 2586	0.481905073	9.030000e-07	major	0.03108402	78.495	0.322303921
## 2587	0.709248900	7.210000e-07	minor	0.04157669	112.995	0.919790924
## 2588	0.455414027	5.000000e-12	major	0.02862376	179.468	0.333193719
## 2589	0.723493397	1.040000e-10	minor	0.22643305	116.025	0.526615500
## 2590	0.888299108	1.720000e-11	major	0.22883906	112.118	0.481908411
## 2591	0.615742207	2.390000e-11	minor	0.11200931	110.043	0.347073287
## 2592	0.685411096	2.121460e-01	major	0.08626078	153.499	0.756587386
## 2593	0.968279183	3.320000e-10	major	0.23232620	84.532	0.371285528
## 2594	0.727442145	2.350000e-08	major	0.15474160	100.321	0.224230364
## 2595	0.567328691	1.258608e-02	major	0.13907747	107.986	0.430779815
## 2596	0.380906671	1.570000e-05	major	0.02857898	95.044	0.340069413
## 2597	0.618434548	3.364149e-01	major	0.03253394	81.988	0.471571058
## 2598	0.565457165	5.630000e-07	major	0.04356227	203.739	0.858619034
## 2599	0.728495657	2.200000e-05	major	0.03370825	111.972	0.412578434
## 2600	0.935956240	6.866102e-01	major	0.03712431	100.063	0.209953085
## 2601	0.946983695	7.682684e-02	major	0.10111814	95.100	0.573733747
## 2602	0.488795936	7.430000e-06	major	0.25599936	95.151	0.362168372
## 2603	0.559809625	3.230000e-06	major	0.08930809	140.040	0.433346242
## 2604	0.555849791	2.040000e-09	major	0.03122655	120.004	0.416031361
## 2605	0.096415982	9.311707e-01	minor	0.03544555	85.896	0.057214037
## 2606	0.800440252	9.200219e-01	major	0.05702598	145.080	0.121544287
## 2607	0.411649436	3.120000e-08	major	0.24226929	95.084	0.039674308
## 2608	0.117749520	9.590000e-07	major	0.09658687	78.032	0.396370888

## 2609	0.511854708	2.580000e-14	minor	0.37965617	136.252	0.462725222
## 2610	0.793597817	9.889133e-03	major	0.03755619	125.962	0.843255043
## 2611	0.480295509	1.850000e-06	minor	0.05196239	125.732	0.148104206
## 2612	0.275117308	3.960000e-05	minor	0.05128449	112.026	0.512297928
## 2613	0.543413699	6.450000e-07	major	0.05507344	151.855	0.250478178
## 2614	0.488776803	5.430000e-11	major	0.05574902	119.976	0.324553639
## 2615	0.842655599	1.840000e-08	minor	0.12884150	112.370	0.072014570
## 2616	0.937016129	6.503830e-04	major	0.20770451	175.946	0.821984589
## 2617	0.697557747	5.720000e-05	major	0.02979471	148.953	0.446564138
## 2618	0.175678894	1.124170e-04	major	0.03611361	109.590	0.176849231
## 2619	0.867942810	5.460000e-07	major	0.04726122	122.023	0.475638330
## 2620	0.714236736	4.500000e-08	major	0.04078083	109.021	0.306846172
## 2621	0.746139944	3.090000e-05	major	0.04316291	120.043	0.404178798
## 2622	0.501881242	5.980000e-12	minor	0.06381401	86.185	0.328689009
## 2623	0.661639869	1.801591e-02	minor	0.02933025	86.031	0.580601752
## 2624	0.387783080	5.070000e-12	major	0.03128155	103.521	0.354842126
## 2625	0.937033534	6.430000e-05	major	0.03068656	93.010	0.630455196
## 2626	0.652065158	9.780000e-06	minor	0.06876372	141.905	0.493928999
## 2627	0.674029946	3.460000e-08	major	0.06773748	163.969	0.239923090
## 2628	0.853470981	3.250199e-03	minor	0.04990802	111.891	0.967748523
## 2629	0.684243202	1.090000e-08	major	0.15429269	155.932	0.675467134
## 2630	0.713164330	5.358684e-01	major	0.03661471	116.791	0.398673713
## 2631	0.381787658	6.874032e-03	major	0.05076065	120.015	0.165517524
## 2632	0.745106518	1.110000e-11	minor	0.03129503	98.673	0.551023781
## 2633	0.924353182	9.126242e-01	major	0.04866971	124.993	0.108456232
## 2634	0.623346806	4.534730e-04	major	0.03022912	77.861	0.298041284
## 2635	0.221162692	1.680000e-06	major	0.03202537	135.843	0.423549622
## 2636	0.490045130	9.324644e-02	major	0.03709256	83.977	0.841106832
## 2637	0.617849827	5.660000e-07	major	0.03325057	150.267	0.597099304
## 2638	0.778263450	1.130000e-08	minor	0.04367185	116.139	0.756138623
## 2639	0.856282949	1.430000e-05	major	0.04191025	120.001	0.615311742
## 2640	0.283549100	3.037900e-02	minor	0.13268538	95.013	0.323795259
## 2641	0.019461332	8.878803e-01	major	0.04449547	81.616	0.140080839
## 2642	0.497035682	3.020000e-07	major	0.02693674	147.707	0.725171030
## 2643	0.925978005	3.336707e-02	major	0.04178095	127.975	0.739174783
## 2644	0.244836003	8.129310e-04	minor	0.41377994	140.040	0.186879337
## 2645	0.783065319	3.560000e-09	minor	0.06415758	99.992	0.590319395
## 2646	0.699298143	1.540000e-09	major	0.37997714	77.018	0.619737625
## 2647	0.453947335	4.368807e-01	major	0.04595955	111.742	0.480233341
## 2648	0.960407853	3.660000e-07	minor	0.05288735	74.995	0.561668932
## 2649	0.333587229	7.180000e-08	minor	0.12062769	119.982	0.136539057
## 2650	0.151336893	9.185771e-01	major	0.03781196	142.777	0.039956752
## 2651	0.259702563	4.970000e-05	major	0.03192914	86.416	0.142233208
## 2652	0.796827018	8.780000e-11	minor	0.14888403	129.945	0.428120703
## 2653	0.492452085	4.014208e-02	major	0.35428384	85.951	0.416895181
## 2654	0.734942079	7.490000e-06	major	0.03537503	134.028	0.216598555
## 2655	0.872859180	2.446009e-02	major	0.13524353	90.137	0.607066989
## 2656	0.700594783	8.930000e-08	major	0.04895662	119.999	0.665359378
## 2657	0.716301084	6.164284e-02	minor	0.02578107	101.050	0.722195625
## 2658	0.685865819	8.330000e-08	minor	0.04214408	122.966	0.758619785
## 2659	0.670560598	1.610000e-05	major	0.03182364	104.516	0.961434484
## 2660	0.379576594	8.620000e-07	major	0.11253566	135.859	0.275061995
## 2661	0.752550662	8.760000e-09	minor	0.26987767	95.473	0.059635244
## 2662	0.354309559	4.200000e-11	major	0.03429344	172.983	0.207456753

## 2663	0.575747669	5.710000e-07	minor	0.16226070	96.189	0.285005867
## 2664	0.678495705	2.430000e-08	minor	0.04478879	143.052	0.353885621
## 2665	0.685094714	2.290000e-11	minor	0.37595877	89.229	0.630040824
## 2666	0.616495788	1.060000e-07	major	0.23156418	159.952	0.337547958
## 2667	0.342315137	3.973202e-02	major	0.03651988	111.033	0.434077144
## 2668	0.955886126	3.320000e-07	major	0.06281911	174.915	0.619334042
## 2669	0.763229728	2.710000e-09	major	0.05304583	135.970	0.649360716
## 2670	0.858022153	7.890000e-06	major	0.10458775	97.033	0.523271620
## 2671	0.955378890	3.090000e-05	major	0.05511380	134.959	0.761656344
## 2672	0.385908365	1.120000e-07	major	0.26428062	90.082	0.529224813
## 2673	0.557763577	6.330000e-09	major	0.03468537	113.666	0.143481299
## 2674	0.260184646	8.434064e-01	minor	0.26134628	86.005	0.347106546
## 2675	0.882880330	3.210000e-10	minor	0.03519190	99.995	0.699896097
## 2676	0.588950455	2.250000e-09	major	0.23221658	146.928	0.811347246
## 2677	0.223048240	9.044022e-01	minor	0.03441099	124.048	0.080427855
## 2678	0.512726128	6.250000e-09	major	0.02768557	112.984	0.094110474
## 2679	0.415931553	1.190000e-05	minor	0.36917081	83.726	0.256141514
## 2680	0.880136490	1.940000e-11	major	0.04251602	183.998	0.363233119
## 2681	0.706705570	3.330000e-10	major	0.05631305	112.988	0.293750882
## 2682	0.844505727	4.240000e-06	major	0.06105874	127.978	0.457957774
## 2683	0.600859106	1.700000e-07	minor	0.14990815	185.292	0.323106110
## 2684	0.565839171	4.330000e-07	major	0.07798025	189.274	0.461454600
## 2685	0.751014173	1.450000e-08	major	0.20484798	179.952	0.331726938
## 2686	0.819054127	2.380000e-08	minor	0.04169208	132.943	0.657723427
## 2687	0.790246010	4.140000e-07	major	0.37252355	159.900	0.576250970
## 2688	0.189117610	3.290000e-06	major	0.03552775	73.424	0.216968909
## 2689	0.401007175	1.840000e-05	minor	0.02921777	99.982	0.154094487
## 2690	0.583577156	6.083032e-02	major	0.09943235	138.099	0.352382928
## 2691	0.771335304	3.464220e-04	major	0.03620160	96.047	0.924370050
## 2692	0.011441831	9.057945e-01	minor	0.06110265	74.250	0.181055233
## 2693	0.545729756	1.440000e-07	major	0.30859381	171.284	0.398015112
## 2694	0.529986441	3.280000e-08	major	0.04335173	108.038	0.417239398
## 2695	0.455504864	7.810000e-11	minor	0.07773551	126.983	0.378018171
## 2696	0.868920684	1.950000e-09	minor	0.04610721	123.964	0.882044137
## 2697	0.655547857	2.979603e-01	major	0.04464749	135.996	0.285315126
## 2698	0.564493358	8.820000e-08	major	0.10339053	120.655	0.402454704
## 2699	0.672125936	5.270000e-10	minor	0.09550049	111.996	0.381922543
## 2700	0.648805976	9.510000e-07	major	0.03723227	122.990	0.904206157
## 2701	0.587803185	8.448815e-01	major	0.02980828	171.845	0.487023741
## 2702	0.977420807	1.680000e-05	minor	0.08635183	185.207	0.497977465
## 2703	0.540469527	1.023018e-03	major	0.03826692	90.993	0.140517041
## 2704	0.391484112	1.438304e-03	minor	0.03125320	85.312	0.114444159
## 2705	0.649568319	4.500000e-12	major	0.32907414	81.988	0.331054091
## 2706	0.611964107	8.370000e-05	major	0.02956322	115.317	0.534021020
## 2707	0.576795042	1.420000e-07	major	0.04018819	120.056	0.901236475
## 2708	0.871272504	1.070000e-08	major	0.10427552	150.094	0.118852489
## 2709	0.211191267	1.903996e-01	major	0.04973884	104.472	0.760263741
## 2710	0.617817521	5.980000e-08	major	0.03038085	81.037	0.240652665
## 2711	0.504356325	1.480000e-06	major	0.19290723	174.062	0.199464291
## 2712	0.661580324	2.660000e-09	major	0.04390204	153.651	0.608784795
## 2713	0.452376425	2.150000e-08	major	0.05551109	179.913	0.321174115
## 2714	0.576433063	3.220000e-10	minor	0.29463762	141.999	0.533583999
## 2715	0.981836557	9.050000e-09	major	0.16541025	82.052	0.727466047
## 2716	0.820962310	7.000000e-11	major	0.10365635	120.462	0.331257522

## 2717	0.433901936	4.390000e-06	minor	0.05957639	125.045	0.153453872
## 2718	0.618127108	4.710000e-08	major	0.46129122	130.384	0.543378890
## 2719	0.637710989	1.912868e-02	major	0.03786108	108.004	0.558162630
## 2720	0.549824595	5.570000e-07	major	0.04358894	76.011	0.785470247
## 2721	0.794402778	8.560000e-06	minor	0.11638341	119.968	0.406778544
## 2722	0.565435469	2.310000e-05	major	0.02419685	145.001	0.539130747
## 2723	0.768483162	3.260000e-07	minor	0.04761031	100.209	0.414331734
## 2724	0.633956552	2.040000e-06	major	0.03532106	135.110	0.271758288
## 2725	0.742757022	7.210000e-06	minor	0.04087177	89.974	0.362778872
## 2726	0.726396203	2.540500e-04	minor	0.07100260	125.967	0.381072432
## 2727	0.915021300	2.924870e-04	major	0.08672374	113.763	0.818404675
## 2728	0.660931885	1.020000e-09	minor	0.35916600	185.931	0.827842534
## 2729	0.869039178	7.194356e-03	major	0.07887479	108.061	0.593125820
## 2730	0.048544675	1.400000e-08	major	0.03795308	137.970	0.246624604
## 2731	0.591409862	3.380000e-05	minor	0.02930629	106.039	0.402943045
## 2732	0.704894543	1.750000e-11	major	0.35894662	128.872	0.530523956
## 2733	0.000000000	0.000000e+00	minor	0.00000000	0.000	0.000000000
## 2734	0.490893185	8.600454e-03	major	0.04022244	129.709	0.482235432
## 2735	0.620468676	6.120000e-10	minor	0.14221129	171.981	0.881440699
## 2736	0.652601242	1.609000e-04	major	0.03290624	131.095	0.232370287
## 2737	0.405399799	4.422480e-04	major	0.32939589	157.999	0.343198776
## 2738	0.596917450	2.100000e-08	major	0.25731531	102.108	0.841803133
## 2739	0.334470004	5.630858e-03	major	0.02813583	143.190	0.069017917
## 2740	0.706896663	4.240000e-11	minor	0.04277099	173.993	0.358963102
## 2741	0.713632762	1.545550e-04	major	0.03027898	117.977	0.726880968
## 2742	0.690470934	8.165458e-02	major	0.03302792	130.011	0.527133346
## 2743	0.275868058	2.930000e-08	major	0.03011532	109.707	0.137905762
## 2744	0.569238424	1.690000e-09	major	0.02712687	149.987	0.361012995
## 2745	0.718793571	5.100000e-08	minor	0.02607922	112.988	0.826212525
## 2746	0.641690195	1.850000e-09	major	0.10999726	105.613	0.600502670
## 2747	0.721739173	1.040000e-08	major	0.04608661	135.981	0.635561585
## 2748	0.781658530	3.110000e-10	major	0.02906834	131.993	0.568726063
## 2749	0.645535648	5.130000e-08	major	0.03622944	131.937	0.037225723
## 2750	0.730209053	1.223677e-01	major	0.03067032	87.991	0.340116948
## 2751	0.488069624	3.380000e-07	major	0.03014009	144.339	0.302701771
## 2752	0.571025014	3.140000e-13	major	0.44501299	134.976	0.237768844
## 2753	0.284626126	5.670000e-08	major	0.03972575	126.749	0.302087396
## 2754	0.539313376	2.040804e-03	major	0.10612002	131.972	0.355514526
## 2755	0.371423334	7.782275e-01	major	0.03429344	120.059	0.270795792
## 2756	0.663140833	9.560000e-08	major	0.03796804	95.979	0.465928018
## 2757	0.305083007	6.080900e-04	minor	0.22441575	117.084	0.461661190
## 2758	0.898503363	5.840000e-09	major	0.04623880	135.028	0.442181915
## 2759	0.415628463	3.483019e-02	minor	0.08123488	119.967	0.107169278
## 2760	0.702192247	1.379302e-01	major	0.06881610	105.975	0.182127476
## 2761	0.564795494	5.720000e-07	minor	0.04879931	112.986	0.137587979
## 2762	0.696870506	1.320000e-12	minor	0.18462147	145.064	0.439876407
## 2763	0.245587289	1.880000e-08	major	0.04085684	102.208	0.127015844
## 2764	0.815459669	6.340000e-06	major	0.04947134	120.032	0.576556802
## 2765	0.512264013	3.787383e-01	major	0.05802150	115.010	0.509600639
## 2766	0.524935007	1.320000e-05	major	0.02790308	130.119	0.497565299
## 2767	0.686254025	1.090000e-06	major	0.04823893	95.990	0.639321685
## 2768	0.755496025	1.100000e-07	minor	0.04306321	99.994	0.513171971
## 2769	0.891356349	9.130000e-05	major	0.13403071	109.996	0.585399687
## 2770	0.306942880	1.532756e-03	major	0.02837005	103.808	0.119091436

## 2771	0.745354891	4.660000e-07	major	0.04080678	155.875	0.259410828
## 2772	0.296522886	3.410000e-06	major	0.03006113	122.320	0.142146721
## 2773	0.044595417	3.980000e-08	major	0.05221720	76.034	0.969035268
## 2774	0.924979985	4.056412e-02	major	0.04348158	105.097	0.533693731
## 2775	0.435492873	5.010000e-06	major	0.03675476	143.713	0.332431823
## 2776	0.862428248	4.700000e-12	major	0.07685909	80.306	0.367743641
## 2777	0.899869144	1.119813e-03	major	0.06129501	98.520	0.407889754
## 2778	0.017654700	8.198855e-01	major	0.04048906	116.843	0.059217516
## 2779	0.246328518	1.350000e-07	minor	0.26054683	160.034	0.426508844
## 2780	0.469880342	1.580000e-05	major	0.02893338	137.894	0.170573547
## 2781	0.710982144	1.160950e-04	major	0.03190930	124.015	0.203730628
## 2782	0.535350323	1.650000e-05	major	0.05705644	151.481	0.301738828
## 2783	0.733075798	5.130000e-13	major	0.41901505	136.146	0.697933674
## 2784	0.719073772	1.025843e-01	major	0.04238832	129.967	0.277224123
## 2785	0.550164044	1.290000e-10	minor	0.05179537	94.904	0.391965359
## 2786	0.546229124	1.900000e-12	major	0.07994516	83.930	0.487841249
## 2787	0.763031006	1.020000e-10	major	0.10899302	160.042	0.457626224
## 2788	0.841129243	6.450000e-11	major	0.09530538	131.212	0.875304341
## 2789	0.679422140	1.112898e-03	minor	0.11542266	116.009	0.712002099
## 2790	0.266646206	1.010000e-10	minor	0.03622229	132.917	0.370320439
## 2791	0.951748192	3.445560e-04	major	0.07091954	102.038	0.628424525
## 2792	0.821480036	2.480000e-05	major	0.12839951	139.988	0.746600747
## 2793	0.805061579	1.550000e-08	major	0.05634391	136.055	0.621647775
## 2794	0.899790108	2.840000e-07	major	0.02957304	95.000	0.723199129
## 2795	0.885837555	1.100000e-06	major	0.03425061	112.988	0.269661218
## 2796	0.969884276	7.160000e-13	minor	0.53493637	86.893	0.256646931
## 2797	0.826909304	3.049734e-03	major	0.03894847	128.009	0.608761609
## 2798	0.688587129	3.460000e-07	major	0.08772851	137.050	0.501683116
## 2799	0.129106417	3.830000e-06	major	0.04014683	112.699	0.101360671
## 2800	0.693589032	1.743520e-04	major	0.02746075	121.925	0.204530060
## 2801	0.820511818	2.740000e-07	major	0.05287563	154.920	0.949270010
## 2802	0.485336870	6.026700e-04	minor	0.05265581	91.009	0.288046479
## 2803	0.234516755	1.120624e-02	minor	0.12288347	101.833	0.114706159
## 2804	0.426801056	3.960000e-12	major	0.59531170	92.037	0.904513955
## 2805	0.685348332	1.610000e-06	minor	0.02832280	81.978	0.573797405
## 2806	0.897294283	2.940000e-05	minor	0.06563140	145.618	0.349718004
## 2807	0.580633998	7.850000e-09	minor	0.32268652	110.953	0.368276894
## 2808	0.415313870	5.810000e-09	minor	0.39599788	159.654	0.575113595
## 2809	0.795602202	1.470000e-06	major	0.12160589	169.587	0.604562938
## 2810	0.069864064	8.980820e-01	major	0.03800543	114.606	0.242559731
## 2811	0.406707674	2.250000e-05	minor	0.03970792	120.064	0.612897038
## 2812	0.386565804	6.850000e-05	major	0.03897427	120.044	0.297732353
## 2813	0.639666378	1.690000e-08	major	0.03452474	100.044	0.670356214
## 2814	0.938416958	1.299038e-02	major	0.10244081	78.743	0.949150205
## 2815	0.643467903	2.520000e-07	major	0.04822523	106.684	0.467581302
## 2816	0.650330365	2.550000e-09	major	0.02949337	116.018	0.390465736
## 2817	0.694829643	1.940000e-09	major	0.23376831	101.033	0.421212375
## 2818	0.562908411	1.330000e-07	major	0.03337279	105.371	0.322942287
## 2819	0.314951301	4.141105e-01	major	0.05259281	99.504	0.376137048
## 2820	0.571513236	1.970000e-08	major	0.06729157	79.562	0.354411393
## 2821	0.746293485	1.370000e-12	minor	0.04942059	85.935	0.432391077
## 2822	0.608217716	8.290000e-09	minor	0.05846598	127.959	0.476523340
## 2823	0.807260871	5.060000e-10	minor	0.03478339	144.930	0.846833825
## 2824	0.525003493	7.540000e-08	major	0.49820945	126.510	0.491311759

## 2825	0.520541787	8.410000e-05	major	0.13187163	95.055	0.177578747
## 2826	0.688035369	1.070000e-07	minor	0.28307790	90.763	0.224781007
## 2827	0.888823807	2.247360e-04	major	0.04985088	142.015	0.173212841
## 2828	0.579694390	1.920000e-07	major	0.06839586	140.550	0.270244271
## 2829	0.902951360	7.467268e-01	major	0.06716869	142.036	0.623525143
## 2830	0.853109002	4.450000e-08	major	0.05651034	103.985	0.405081928
## 2831	0.474690855	1.458919e-02	major	0.02889004	91.248	0.265445083
## 2832	0.678781927	3.530000e-06	major	0.03649047	132.541	0.983133256
## 2833	0.962058842	1.473430e-04	major	0.12822501	101.200	0.111682296
## 2834	0.258006006	2.980000e-07	minor	0.07572719	172.841	0.481813103
## 2835	0.791697264	1.335370e-04	major	0.05150982	190.042	0.268993974
## 2836	0.829244852	3.750000e-07	major	0.04988270	103.032	0.549072742
## 2837	0.613175333	6.230000e-06	major	0.02538030	89.951	0.426353872
## 2838	0.496007055	3.450000e-06	major	0.07061998	93.017	0.188868627
## 2839	0.483460248	2.530000e-14	major	0.49016973	139.976	0.628186166
## 2840	0.768012047	7.820000e-10	major	0.08981722	159.988	0.337987989
## 2841	0.735668302	4.660000e-09	major	0.02730284	112.954	0.803952634
## 2842	0.958739460	8.992263e-01	major	0.03833820	150.047	0.968067706
## 2843	0.914288700	6.750000e-08	major	0.20256801	159.986	0.929106116
## 2844	0.103875294	2.270367e-01	major	0.04273860	116.276	0.059786834
## 2845	0.570967972	1.490000e-11	major	0.19165412	115.270	0.406418324
## 2846	0.729439080	9.220000e-08	major	0.03738187	110.021	0.830983520
## 2847	0.897983074	6.170000e-07	minor	0.04587573	145.953	0.598717988
## 2848	0.790152073	1.720000e-05	major	0.03880220	157.923	0.423856080
## 2849	0.558830380	2.935650e-04	minor	0.39173523	119.964	0.213708580
## 2850	0.489771932	1.643300e-04	major	0.02548283	91.053	0.272579968
## 2851	0.753433824	2.700000e-07	major	0.20628129	204.031	0.889890373
## 2852	0.796967328	4.660000e-07	major	0.12365332	82.617	0.592176914
## 2853	0.862349868	7.580000e-09	major	0.12432469	113.161	0.696574450
## 2854	0.722169161	1.110000e-05	major	0.07984103	169.979	0.668769538
## 2855	0.480323255	8.620000e-09	major	0.02965939	81.995	0.284542948
## 2856	0.712898791	1.700000e-10	major	0.05281528	168.221	0.563068807
## 2857	0.536968231	2.550000e-07	minor	0.03101065	140.069	0.202922583
## 2858	0.400124520	2.380000e-06	minor	0.20102616	90.048	0.199516177
## 2859	0.492582560	9.190000e-09	major	0.13982776	94.021	0.375444055
## 2860	0.738737643	1.140000e-10	major	0.12862261	97.085	0.450839669
## 2861	0.953695655	5.308913e-01	major	0.10587090	185.328	0.609851301
## 2862	0.856254280	8.000000e-10	major	0.04984014	150.026	0.142653689
## 2863	0.754813194	5.260000e-06	major	0.02948876	119.984	0.656424284
## 2864	0.542441487	2.310000e-06	major	0.22675541	118.050	0.331496239
## 2865	0.483070582	8.270226e-01	major	0.03783387	134.273	0.372887582
## 2866	0.773075819	1.160000e-07	major	0.02765120	123.002	0.434606761
## 2867	0.725006163	9.130000e-10	minor	0.08926536	138.040	0.356563747
## 2868	0.650326252	4.920000e-05	major	0.25902638	98.023	0.403298497
## 2869	0.094125748	8.487421e-01	major	0.04000566	109.873	0.034020636
## 2870	0.372589886	1.680000e-07	minor	0.02979485	77.614	0.269719154
## 2871	0.888702810	8.950000e-08	major	0.04361975	126.996	0.608161926
## 2872	0.618975401	6.730000e-06	major	0.02576430	106.935	0.567547023
## 2873	0.895044625	1.840708e-02	major	0.03922058	127.829	0.616004884
## 2874	0.761985540	4.770000e-12	major	0.21649788	120.039	0.677945852
## 2875	0.976248384	1.110000e-09	major	0.87479645	127.721	0.110743023
## 2876	0.534626484	1.086026e-02	major	0.07045073	74.981	0.726849794
## 2877	0.941473305	3.400000e-05	major	0.10043368	92.965	0.540882587
## 2878	0.438258499	1.004739e-01	major	0.03371897	89.221	0.185478643

## 2879	0.608869016	4.270790e-04	major	0.03161068	179.955	0.353811592
## 2880	0.713539124	4.980000e-14	major	0.26040488	90.076	0.189849660
## 2881	0.323934227	1.660000e-09	major	0.03153591	81.901	0.324028283
## 2882	0.702310562	8.412994e-01	major	0.10934943	151.159	0.334037095
## 2883	0.556075394	4.460000e-05	major	0.03018226	119.991	0.902904212
## 2884	0.600864768	5.036180e-04	major	0.04641489	79.982	0.653749049
## 2885	0.553946733	3.420000e-10	major	0.03363884	139.774	0.423132688
## 2886	0.577806115	3.821244e-01	minor	0.03615521	104.913	0.520756125
## 2887	0.666242778	3.100000e-08	major	0.09160040	118.970	0.277863652
## 2888	0.764216423	8.190000e-06	minor	0.04228115	137.980	0.517629147
## 2889	0.546929717	6.520000e-09	minor	0.32260382	94.222	0.365356833
## 2890	0.779106379	3.990000e-06	major	0.07101855	84.975	0.593531966
## 2891	0.386844516	5.275555e-02	minor	0.12586687	83.018	0.706306696
## 2892	0.661205649	5.890000e-06	major	0.04544748	138.034	0.660985172
## 2893	0.844094336	1.270000e-06	major	0.02724928	111.953	0.885523260
## 2894	0.348125100	6.839590e-01	minor	0.05772079	85.039	0.120736144
## 2895	0.488633811	1.310000e-07	minor	0.15542093	120.043	0.191604346
## 2896	0.823393345	7.521819e-01	major	0.04881903	87.479	0.037974194
## 2897	0.806497097	1.987557e-01	major	0.04565388	130.013	0.714155972
## 2898	0.436007142	9.370000e-11	major	0.36391392	121.583	0.377604306
## 2899	0.327946305	2.530000e-06	major	0.39228305	137.850	0.213414162
## 2900	0.265914798	1.540000e-11	major	0.87312049	75.045	0.524045646
## 2901	0.580593646	5.409190e-01	major	0.03085604	117.940	0.065602057
## 2902	0.703176081	2.560000e-12	minor	0.03688238	138.113	0.595134139
## 2903	0.851550758	8.636091e-01	minor	0.04765477	124.986	0.110695034
## 2904	0.530909836	5.943155e-01	minor	0.03046551	117.006	0.035376880
## 2905	0.726554096	1.660000e-06	major	0.04796563	123.963	0.121622987
## 2906	0.148655087	4.400000e-06	major	0.05484892	80.903	0.304506123
## 2907	0.634654880	4.820000e-06	major	0.04575982	129.965	0.049628299
## 2908	0.805311203	9.270000e-06	major	0.03483284	77.029	0.387196749
## 2909	0.257634073	2.060000e-06	major	0.03326240	116.599	0.531574905
## 2910	0.752310693	5.160000e-06	major	0.39217105	159.391	0.411015809
## 2911	0.679501235	7.839990e-01	major	0.04073471	100.002	0.779954374
## 2912	0.219575658	1.990000e-07	major	0.04404138	178.880	0.287499309
## 2913	0.980357230	9.751149e-03	major	0.15758047	125.051	0.428020030
## 2914	0.812781572	4.470000e-05	minor	0.05130240	101.761	0.854799211
## 2915	0.830933213	2.133842e-02	major	0.05783411	87.961	0.615028739
## 2916	0.944017053	2.530000e-05	major	0.15306985	165.305	0.364168972
## 2917	0.678679645	5.200000e-10	major	0.04270435	179.651	0.891310871
## 2918	0.468535006	2.990000e-07	minor	0.03113684	140.034	0.365281254
## 2919	0.339813709	1.080000e-10	major	0.03488171	117.570	0.807256639
## 2920	0.675450981	8.652541e-02	major	0.03673506	134.006	0.254758388
## 2921	0.605782151	2.180000e-09	major	0.14842117	140.069	0.810026646
## 2922	0.713032961	1.950000e-08	minor	0.24295221	160.988	0.614188790
## 2923	0.376177281	1.940056e-03	minor	0.04650930	120.034	0.213181451
## 2924	0.469922006	3.187932e-03	major	0.09280031	116.980	0.637212574
## 2925	0.573831737	1.531170e-04	major	0.02766437	125.037	0.310082704
## 2926	0.824658394	1.612858e-03	minor	0.36016148	84.510	0.707562029
## 2927	0.745548904	5.640000e-14	minor	0.10682665	90.026	0.586616635
## 2928	0.618387222	1.570000e-09	major	0.20457303	150.003	0.575942397
## 2929	0.698531568	1.440000e-05	major	0.10771973	76.927	0.180511028
## 2930	0.644748092	6.129180e-03	major	0.02584627	140.276	0.296060443
## 2931	0.716757596	3.590000e-05	minor	0.03934493	121.985	0.465515912
## 2932	0.600604892	1.070000e-13	minor	0.37535924	127.922	0.417240560

## 2933	0.647962511	3.540000e-05	major	0.19749029	140.052	0.397916406
## 2934	0.469214499	7.680000e-09	major	0.05782587	163.662	0.961508632
## 2935	0.692922413	6.260000e-08	major	0.06910858	144.670	0.920424759
## 2936	0.612389088	4.350000e-10	minor	0.27253810	172.065	0.415591866
## 2937	0.092709512	4.364640e-04	major	0.03225318	110.130	0.229500428
## 2938	0.936468303	1.470000e-06	major	0.04438224	124.057	0.707012117
## 2939	0.231704727	4.640340e-02	major	0.02955297	71.932	0.232017517
## 2940	0.700507164	4.080000e-07	minor	0.19699880	155.957	0.808807135
## 2941	0.748819947	1.510000e-06	major	0.03056610	104.013	0.371146142
## 2942	0.555973172	6.537088e-01	major	0.14936034	84.051	0.567609966
## 2943	0.543938637	1.910000e-07	minor	0.06967779	123.984	0.307928681
## 2944	0.709299147	7.850000e-06	major	0.03018207	110.186	0.504023671
## 2945	0.337925822	1.690000e-08	major	0.05468603	101.495	0.750876904
## 2946	0.673667431	1.285252e-02	major	0.05974260	139.751	0.277490377
## 2947	0.010502828	9.063520e-01	major	0.09808926	91.072	0.162558645
## 2948	0.836722076	6.450000e-07	major	0.05360879	119.951	0.863133550
## 2949	0.703056574	7.380000e-07	major	0.02614328	104.981	0.792445779
## 2950	0.313908339	2.430000e-10	major	0.02885083	94.959	0.843159497
## 2951	0.861057043	2.661487e-03	major	0.06472173	134.108	0.277302116
## 2952	0.722043931	2.840000e-13	major	0.04503885	122.094	0.675403833
## 2953	0.341650486	8.569812e-01	major	0.03260784	125.986	0.046319950
## 2954	0.708100319	2.940720e-04	minor	0.15814823	171.937	0.797019958
## 2955	0.585827947	5.435610e-02	minor	0.05855698	108.164	0.588071465
## 2956	0.979493737	1.510000e-09	major	0.37951419	90.905	0.077613629
## 2957	0.509377956	2.440000e-08	minor	0.13789645	123.206	0.324884653
## 2958	0.580258906	1.150000e-05	major	0.05819489	159.962	0.469009817
## 2959	0.865368724	1.400000e-06	major	0.72015536	116.527	0.548491001
## 2960	0.621610403	7.950000e-15	major	0.11843088	118.587	0.395716488
## 2961	0.918367803	1.892361e-03	major	0.04978102	119.993	0.319507033
## 2962	0.225452527	6.903039e-01	minor	0.36215743	155.970	0.162543833
## 2963	0.534094989	1.000000e-05	major	0.05093362	120.069	0.048733480
## 2964	0.760613501	3.590000e-07	major	0.02903497	131.964	0.322296560
## 2965	0.679484606	3.140000e-11	major	0.04675940	124.988	0.451570392
## 2966	0.830049336	1.400000e-09	major	0.07488528	113.030	0.701440096
## 2967	0.742977321	2.960000e-07	minor	0.05136045	122.969	0.368512958
## 2968	0.399173409	2.304429e-02	minor	0.06197720	127.963	0.123291947
## 2969	0.528867900	1.290000e-10	major	0.13771957	83.097	0.759146810
## 2970	0.811732113	5.930000e-07	major	0.04359627	92.024	0.572866499
## 2971	0.629086494	2.540000e-07	major	0.28553644	91.700	0.682742715
## 2972	0.959738672	7.093534e-01	minor	0.04997255	127.993	0.566395760
## 2973	0.566473544	6.448010e-04	major	0.09700710	130.123	0.242407948
## 2974	0.371666729	1.480752e-02	major	0.02998931	79.456	0.291702658
## 2975	0.880019486	3.340000e-11	major	0.15797937	136.050	0.663021982
## 2976	0.705992639	3.175451e-03	major	0.14623782	115.016	0.727305889
## 2977	0.677277565	1.027090e-04	major	0.11360528	102.482	0.503190279
## 2978	0.451202512	1.300000e-05	major	0.05849243	117.973	0.086167641
## 2979	0.552559495	2.530000e-14	major	0.11995415	96.002	0.798332036
## 2980	0.596948504	4.770000e-07	minor	0.38690749	149.940	0.416255116
## 2981	0.700693846	1.592472e-03	minor	0.07241746	159.954	0.689638913
## 2982	0.486119151	2.199793e-03	minor	0.04255645	168.135	0.356581479
## 2983	0.526944399	2.510000e-05	major	0.02556260	130.018	0.485252380
## 2984	0.436614782	1.110000e-10	minor	0.08493213	109.933	0.371383786
## 2985	0.885009348	5.100000e-08	minor	0.10588955	92.959	0.601479113
## 2986	0.691967547	1.561430e-04	minor	0.03541606	130.056	0.915703773

## 2987	0.843382418	5.220000e-07	minor	0.05386766	168.149	0.377811104
## 2988	0.578380466	1.190000e-06	minor	0.04170328	142.028	0.446599483
## 2989	0.521013021	1.920000e-08	major	0.02952970	120.090	0.763250530
## 2990	0.633662045	1.824540e-04	major	0.03031843	143.904	0.293864369
## 2991	0.880964816	1.319782e-03	major	0.04590237	135.055	0.462615401
## 2992	0.283444256	4.781027e-03	major	0.04108717	150.829	0.075412318
## 2993	0.570172668	3.020000e-06	major	0.55747729	76.976	0.328515381
## 2994	0.674679160	1.127960e-04	major	0.10565895	123.963	0.272500664
## 2995	0.598299444	7.062174e-03	major	0.03566212	77.988	0.371079862
## 2996	0.131763995	3.530000e-09	major	0.04579096	76.802	0.303563565
## 2997	0.782633960	3.623193e-01	major	0.09516892	108.251	0.149754226
## 2998	0.760186732	2.110000e-10	major	0.37788436	89.856	0.352049053
## 2999	0.617547214	1.470000e-08	major	0.03940429	156.887	0.166516140
## 3000	0.693021476	2.010175e-03	major	0.02696215	85.397	0.579494476
## 3001	0.607359946	9.077317e-01	major	0.03597674	108.009	0.837680936
## 3002	0.642494023	1.190000e-05	major	0.07246315	113.999	0.666562557
## 3003	0.330720514	8.577495e-01	major	0.03082259	187.761	0.107138112
## 3004	0.519171834	2.340000e-05	major	0.09813573	133.009	0.038569424
## 3005	0.439892650	8.220000e-06	major	0.05537317	74.486	0.893595338
## 3006	0.662723064	2.760000e-10	major	0.03373796	118.973	0.325912416
## 3007	0.724474728	1.090000e-05	minor	0.04952829	80.010	0.131744355
## 3008	0.584971666	2.870000e-05	major	0.08698890	146.020	0.241114572
## 3009	0.480715334	1.972370e-04	minor	0.05675205	123.990	0.406513482
## 3010	0.504464447	4.490000e-10	major	0.05196812	123.967	0.476395756
## 3011	0.268526912	2.942510e-04	major	0.21086037	111.018	0.965819836
## 3012	0.633755267	5.810000e-12	minor	0.14822274	118.026	0.362292230
## 3013	0.467602521	9.630000e-08	major	0.03122149	130.524	0.684839725
## 3014	0.791302025	6.604397e-01	major	0.04645073	128.978	0.193722188
## 3015	0.318695307	1.690000e-06	major	0.11758547	118.844	0.326603770
## 3016	0.833932996	9.137701e-01	major	0.03608771	124.012	0.818605423
## 3017	0.972799122	2.900000e-07	major	0.12077133	175.894	0.585513294
## 3018	0.474869609	6.507500e-01	minor	0.03172324	115.758	0.434923857
## 3019	0.571151853	2.150000e-08	major	0.25966060	129.934	0.319130093
## 3020	0.926485717	1.006233e-03	major	0.03184424	99.988	0.199931622
## 3021	0.799249828	2.772487e-02	major	0.06411082	101.038	0.510311961
## 3022	0.936442018	6.930000e-06	major	0.07615175	120.708	0.565733194
## 3023	0.965892136	1.560000e-06	major	0.09462592	159.948	0.637555063
## 3024	0.987216771	1.430000e-10	major	0.13826945	136.881	0.242405996
## 3025	0.879804671	2.891870e-04	major	0.05345662	154.943	0.616937518
## 3026	0.400231987	1.240000e-06	major	0.02564575	98.973	0.372525156
## 3027	0.544798553	1.260000e-08	major	0.03500595	107.087	0.914298415
## 3028	0.582394481	1.750000e-09	major	0.08743413	75.000	0.730966687
## 3029	0.404020458	9.006506e-01	minor	0.06723185	84.098	0.180352703
## 3030	0.335719347	4.220000e-08	minor	0.59416407	92.995	0.380158097
## 3031	0.092352889	2.570000e-08	major	0.03656463	108.917	0.219310284
## 3032	0.475453675	3.860000e-07	minor	0.08462787	136.034	0.331558615
## 3033	0.209119529	8.898409e-01	major	0.04927228	138.933	0.066975892
## 3034	0.579870462	2.380000e-05	major	0.31413814	88.937	0.713679552
## 3035	0.388095796	1.190000e-12	major	0.35766414	100.060	0.551513970
## 3036	0.557311118	4.140000e-11	minor	0.47452846	142.095	0.413370818
## 3037	0.705724776	3.127943e-01	major	0.02329750	89.998	0.655271828
## 3038	0.748761356	7.803074e-01	major	0.03999772	120.054	0.106336854
## 3039	0.644457161	5.420000e-08	major	0.30266735	125.191	0.431008369
## 3040	0.395612866	3.210000e-06	major	0.03029514	147.723	0.096714996

## 3041	0.391367048	6.120000e-06	major	0.11577997	113.632	0.965984702
## 3042	0.526956439	9.760000e-06	major	0.03393064	121.488	0.594245791
## 3043	0.728264153	1.360000e-06	major	0.03080590	108.566	0.758699119
## 3044	0.000173674	9.784427e-01	major	0.07842208	61.617	0.077311516
## 3045	0.506326318	3.730000e-05	major	0.03157389	185.552	0.713178635
## 3046	0.377469063	8.201200e-04	major	0.07844037	84.986	0.538954496
## 3047	0.602695823	7.180000e-11	minor	0.20738462	75.623	0.118170992
## 3048	0.801347077	8.840000e-05	major	0.03048959	148.071	0.764714837
## 3049	0.608049810	1.140000e-07	major	0.25824431	116.189	0.465962440
## 3050	0.440618455	1.470000e-05	major	0.45440519	153.939	0.072963081
## 3051	0.755793929	8.662370e-01	major	0.03498896	116.049	0.146276101
## 3052	0.766101539	4.720000e-08	major	0.05412611	95.878	0.610386014
## 3053	0.449638456	4.000000e-10	major	0.03088006	129.866	0.572827697
## 3054	0.570345521	9.492115e-01	major	0.03370799	138.201	0.945175171
## 3055	0.715851009	1.500000e-08	major	0.17085683	107.949	0.252176940
## 3056	0.552992940	5.506587e-03	major	0.04720171	140.026	0.367191792
## 3057	0.745442450	2.150000e-06	major	0.22731708	124.947	0.776962817
## 3058	0.488929689	5.712538e-03	major	0.03350664	96.013	0.780107439
## 3059	0.560013175	3.660000e-05	major	0.03270444	122.054	0.872378767
## 3060	0.065012358	9.542537e-01	major	0.05768919	69.751	0.310192138
## 3061	0.889322221	1.230000e-06	major	0.29406756	139.142	0.490883172
## 3062	0.658252239	1.283708e-03	major	0.03066907	156.043	0.333487689
## 3063	0.859959185	2.192450e-04	minor	0.04456853	108.009	0.853435218
## 3064	0.884185016	4.200000e-12	major	0.09155407	101.120	0.748264551
## 3065	0.597688496	9.743758e-01	minor	0.07077643	88.004	0.024300290
## 3066	0.659845591	2.500000e-10	major	0.39824414	76.493	0.472806275
## 3067	0.758757651	1.970000e-05	major	0.05005388	121.503	0.844796538
## 3068	0.510125816	2.370568e-03	major	0.22517447	78.293	0.717303216
## 3069	0.626213074	4.840000e-06	minor	0.29996008	94.867	0.126589537
## 3070	0.969768345	9.551944e-01	minor	0.33753008	164.080	0.653873265
## 3071	0.177741393	2.880000e-06	minor	0.04811916	120.270	0.173155963
## 3072	0.661584258	4.670000e-07	major	0.04258743	148.046	0.439148039
## 3073	0.119614996	2.980000e-05	major	0.03436978	51.007	0.123940371
## 3074	0.478955418	4.646082e-03	major	0.14169787	79.932	0.101486012
## 3075	0.526725411	3.122982e-03	minor	0.33086455	81.576	0.201574132
## 3076	0.613016605	8.880000e-09	major	0.03009003	77.023	0.393823355
## 3077	0.320073962	8.621311e-01	minor	0.03105546	80.118	0.262519360
## 3078	0.676551640	7.491881e-01	major	0.13859451	142.039	0.447592944
## 3079	0.931753099	7.952401e-01	minor	0.05576634	128.036	0.203224391
## 3080	0.591850340	1.880000e-05	major	0.03826240	176.065	0.218295813
## 3081	0.232211992	8.778090e-01	major	0.05025799	117.568	0.037599467
## 3082	0.586409569	5.540000e-11	major	0.17628980	104.002	0.748747051
## 3083	0.463667214	1.270000e-06	major	0.06052250	140.075	0.933193386
## 3084	0.669657350	3.130000e-06	major	0.28799477	99.994	0.360749871
## 3085	0.485505879	1.262088e-01	major	0.03017507	120.994	0.217670768
## 3086	0.629452765	3.720000e-12	major	0.31227845	143.083	0.590532362
## 3087	0.373687923	1.295563e-03	minor	0.11217251	120.013	0.279606372
## 3088	0.424492031	3.290000e-11	major	0.04438381	129.911	0.134244263
## 3089	0.550980628	3.829372e-02	minor	0.05375978	133.392	0.853276789
## 3090	0.527098894	1.800000e-08	major	0.02880851	140.015	0.541076958
## 3091	0.295697123	3.250000e-07	minor	0.04020265	81.307	0.383595169
## 3092	0.636001885	2.598730e-04	major	0.04131848	151.166	0.758530319
## 3093	0.442139059	5.840000e-06	minor	0.31549576	164.026	0.473862439
## 3094	0.817051470	3.830000e-07	major	0.06289557	139.945	0.355624288

## 3095	0.312207669	2.040000e-06	major	0.03353336	130.569	0.314911842
## 3096	0.499071449	1.139047e-02	minor	0.08595109	99.973	0.328353345
## 3097	0.420225143	2.230000e-11	major	0.03443655	125.048	0.099369548
## 3098	0.667517245	2.130000e-10	minor	0.07717347	107.661	0.769847929
## 3099	0.832442522	2.030000e-08	minor	0.04113983	132.027	0.325376809
## 3100	0.694150388	3.860210e-04	major	0.04587905	85.700	0.093885526
## 3101	0.358701885	9.390000e-11	major	0.46097982	81.987	0.155974060
## 3102	0.652418792	4.380000e-11	major	0.28525028	76.978	0.402220964
## 3103	0.072933033	8.741147e-01	minor	0.04119688	132.740	0.068329751
## 3104	0.761406422	1.642140e-04	major	0.04548984	123.008	0.443694502
## 3105	0.378785908	3.892518e-03	major	0.04158405	104.044	0.036465693
## 3106	0.956628919	5.367869e-02	minor	0.34420687	94.025	0.056379009
## 3107	0.967329681	4.330000e-10	major	0.07928955	179.991	0.605927765
## 3108	0.822236180	7.111800e-04	major	0.05761514	87.986	0.760963738
## 3109	0.817650735	1.480000e-11	major	0.10124037	155.276	0.581720591
## 3110	0.861334503	2.770000e-06	major	0.05125770	183.826	0.737056494
## 3111	0.744967759	1.030000e-07	minor	0.21948350	140.323	0.195442721
## 3112	0.387773007	4.510000e-05	major	0.06602149	108.385	0.925727248
## 3113	0.672556818	5.517740e-01	minor	0.05268906	125.972	0.039025173
## 3114	0.609480917	6.520000e-08	minor	0.03422336	87.060	0.221675560
## 3115	0.665644646	3.391061e-01	minor	0.03278815	121.742	0.726094246
## 3116	0.407287091	1.914600e-04	major	0.17194881	118.060	0.372369498
## 3117	0.352358133	9.940000e-05	major	0.02970945	125.607	0.310616940
## 3118	0.339657843	1.900000e-09	major	0.07226986	86.807	0.406220168
## 3119	0.475557327	3.280000e-07	major	0.11408117	130.007	0.374560177
## 3120	0.819083750	1.980000e-08	minor	0.11797243	92.990	0.584925294
## 3121	0.483389705	3.950000e-05	major	0.04681653	140.034	0.966277599
## 3122	0.551444948	7.560000e-11	minor	0.05467071	130.004	0.754462183
## 3123	0.723199606	5.010000e-12	minor	0.22606012	137.363	0.316715151
## 3124	0.758937955	7.730000e-08	major	0.03836940	143.984	0.413492680
## 3125	0.799493313	9.467950e-04	minor	0.03815502	89.973	0.630991757
## 3126	0.801725745	1.530000e-07	major	0.03354969	154.673	0.947177231
## 3127	0.740533531	9.250000e-09	major	0.12675860	128.126	0.217289761
## 3128	0.609620392	3.470000e-13	minor	0.36572337	148.302	0.467273861
## 3129	0.481285393	7.830000e-07	major	0.32855102	191.991	0.455679983
## 3130	0.915983856	3.760000e-09	major	0.10325881	129.891	0.558797419
## 3131	0.698699415	5.480000e-07	major	0.27117342	90.985	0.457688123
## 3132	0.609574795	7.750000e-07	minor	0.04389635	94.384	0.323190808
## 3133	0.536102295	1.090000e-09	major	0.07474139	130.412	0.925334990
## 3134	0.970056415	1.450000e-06	minor	0.36761492	150.091	0.128907725
## 3135	0.685593486	3.750000e-09	major	0.04395150	107.771	0.767993629
## 3136	0.714439392	7.810000e-12	major	0.08660054	131.975	0.170545772
## 3137	0.443750054	3.420000e-09	major	0.63189453	99.456	0.737127781
## 3138	0.679776013	7.050000e-08	minor	0.03905880	120.014	0.389066041
## 3139	0.198663384	3.095218e-03	major	0.03161803	128.977	0.039462555
## 3140	0.951208293	7.160000e-06	major	0.07112540	129.946	0.138254121
## 3141	0.710889220	1.650000e-06	minor	0.15749586	102.025	0.682902336
## 3142	0.261437207	6.460000e-09	major	0.05982977	77.245	0.360690594
## 3143	0.024262240	9.134871e-01	major	0.03743814	76.145	0.036011815
## 3144	0.736262619	4.960000e-08	major	0.02699610	139.837	0.451025426
## 3145	0.646079481	9.900000e-08	major	0.40012488	160.028	0.222336724
## 3146	0.777198732	4.690000e-12	major	0.11002397	127.940	0.765995204
## 3147	0.784793735	2.234552e-03	major	0.03602523	125.015	0.345270634
## 3148	0.761727095	5.760000e-08	major	0.04533228	100.036	0.404056311

## 3149	0.101974584	3.275797e-03	major	0.06100159	114.136	0.475316137
## 3150	0.555381835	5.319440e-04	major	0.22655070	90.916	0.466658533
## 3151	0.315400213	1.070000e-06	major	0.05768919	128.039	0.623925090
## 3152	0.642241478	2.210000e-05	minor	0.15552321	110.881	0.147401139
## 3153	0.619771838	1.410000e-06	major	0.34286511	129.937	0.120237127
## 3154	0.461710453	8.060000e-10	major	0.10704656	134.017	0.579597712
## 3155	0.814607561	1.920000e-09	major	0.05801132	135.095	0.661476254
## 3156	0.813628376	9.753092e-02	minor	0.07312985	119.978	0.652595103
## 3157	0.814033270	2.060000e-09	major	0.06657239	164.073	0.817558110
## 3158	0.609827340	7.924572e-01	major	0.03610712	150.638	0.860986114
## 3159	0.850998759	7.480779e-01	major	0.09463905	168.012	0.171074733
## 3160	0.362141222	5.226749e-03	minor	0.04757360	136.001	0.559863687
## 3161	0.684264183	4.855291e-03	minor	0.04048590	119.594	0.260213584
## 3162	0.240666956	8.645888e-02	major	0.03196281	107.992	0.063087180
## 3163	0.560220778	7.150000e-05	major	0.11355890	120.267	0.110849224
## 3164	0.606932282	1.590000e-05	major	0.06760600	158.737	0.117936142
## 3165	0.735149860	1.880000e-10	major	0.23430790	79.212	0.787905335
## 3166	0.680031717	2.790000e-10	major	0.30072129	172.841	0.349602759
## 3167	0.330255240	3.890000e-08	major	0.04062323	129.950	0.209588990
## 3168	0.477461785	1.340000e-09	minor	0.06387961	156.022	0.336851776
## 3169	0.954154134	1.150000e-12	major	0.92269522	103.621	0.275782108
## 3170	0.752760112	2.600000e-08	major	0.03388944	145.128	0.756723464
## 3171	0.410509109	1.353179e-03	major	0.05567960	90.997	0.397041857
## 3172	0.783924043	2.280000e-09	major	0.03568985	145.936	0.482392490
## 3173	0.495770335	1.150000e-05	major	0.03086009	77.037	0.505683720
## 3174	0.654228866	2.120000e-12	major	0.29754761	149.949	0.674772501
## 3175	0.985686004	6.137285e-01	major	0.20079085	144.031	0.562754989
## 3176	0.796694338	1.076021e-03	major	0.08501571	120.013	0.557183504
## 3177	0.774912655	1.660000e-05	major	0.05568408	122.031	0.280015975
## 3178	0.311841607	5.630000e-09	major	0.10009730	129.086	0.130066723
## 3179	0.322068363	3.438975e-02	major	0.07009526	129.950	0.540690601
## 3180	0.537606120	1.850000e-10	minor	0.11806185	81.049	0.628903389
## 3181	0.600197196	1.850000e-05	major	0.08566013	148.032	0.543910146
## 3182	0.933791280	8.810000e-07	major	0.12135261	136.922	0.586166918
## 3183	0.631411076	1.240000e-10	major	0.13225029	128.060	0.352830559
## 3184	0.426474482	2.302451e-01	major	0.09585928	91.029	0.570523381
## 3185	0.026270935	4.980000e-11	major	0.47206518	130.919	0.315427303
## 3186	0.411147177	3.450000e-08	major	0.03247479	90.972	0.297350317
## 3187	0.381081641	5.450000e-11	major	0.08162917	143.924	0.571146965
## 3188	0.591863871	1.170000e-08	major	0.08785917	114.458	0.379390657
## 3189	0.495724082	1.970000e-11	major	0.09364192	121.696	0.373350173
## 3190	0.537884951	8.210000e-10	major	0.03171844	130.070	0.221731424
## 3191	0.532283843	8.825734e-01	major	0.22558850	171.957	0.254251719
## 3192	0.773718953	1.065126e-01	major	0.03658887	102.005	0.100761175
## 3193	0.923370063	4.910000e-11	minor	0.09594342	90.041	0.540059209
## 3194	0.582739711	1.840000e-06	major	0.03930165	120.024	0.229478821
## 3195	0.460702717	1.250000e-09	minor	0.07105631	180.523	0.213645488
## 3196	0.454014838	1.520000e-06	minor	0.20098436	93.004	0.444269896
## 3197	0.527981997	4.590000e-07	major	0.10782860	139.909	0.194674015
## 3198	0.561518848	4.360000e-06	minor	0.07560439	140.049	0.236978978
## 3199	0.830685198	3.550000e-08	major	0.05276280	92.043	0.806480587
## 3200	0.791186631	6.530000e-07	minor	0.05304065	95.040	0.755295277
## 3201	0.734113216	1.870000e-06	major	0.03431452	146.018	0.078020826
## 3202	0.327544630	2.480000e-07	major	0.03255973	85.988	0.592711508

## 3203	0.281348079	2.460000e-09	major	0.02676708	129.941	0.385209948
## 3204	0.904310942	4.600000e-07	minor	0.11342193	96.976	0.458518505
## 3205	0.974834085	1.337134e-03	minor	0.15722467	134.989	0.307893127
## 3206	0.629509389	2.960000e-11	major	0.03352044	155.047	0.819449663
## 3207	0.360320598	2.244810e-04	major	0.05209785	100.021	0.106328756
## 3208	0.630453765	1.660000e-07	major	0.50777203	154.152	0.412719220
## 3209	0.951363087	4.770000e-05	major	0.12066814	143.965	0.427666754
## 3210	0.504530311	1.120000e-06	major	0.05980612	121.959	0.084871575
## 3211	0.782738268	1.410000e-05	major	0.10582331	128.374	0.635951519
## 3212	0.230210081	1.425210e-04	major	0.05560353	126.015	0.549480855
## 3213	0.344105780	8.025836e-01	major	0.02945044	119.934	0.287585914
## 3214	0.687101483	2.130000e-09	major	0.14090450	105.021	0.344520181
## 3215	0.627925038	3.010000e-08	major	0.08551902	121.560	0.360197067
## 3216	0.889421642	1.071732e-03	major	0.07003266	140.006	0.685944617
## 3217	0.327848971	1.050000e-06	major	0.02791702	87.887	0.607885897
## 3218	0.339105487	5.290000e-05	major	0.22269724	111.260	0.971337616
## 3219	0.732124031	1.190000e-06	major	0.63382918	63.713	0.377336204
## 3220	0.292549819	6.060000e-09	major	0.03364871	105.459	0.136144042
## 3221	0.250464737	4.420000e-07	minor	0.03551846	102.631	0.248688012
## 3222	0.125191540	4.040000e-05	major	0.04207640	139.080	0.200984254
## 3223	0.614557505	1.450000e-11	minor	0.04435561	95.941	0.373529285
## 3224	0.538245440	9.420000e-08	major	0.22048406	81.415	0.247778073
## 3225	0.043448549	9.188691e-01	minor	0.03830029	133.853	0.039741244
## 3226	0.753075659	5.530000e-07	major	0.04404324	135.015	0.253512412
## 3227	0.872326910	2.910000e-10	major	0.04830437	175.111	0.503859818
## 3228	0.789418757	1.596511e-02	major	0.08806121	113.014	0.268041283
## 3229	0.532325327	1.180000e-09	major	0.05481730	100.058	0.330265403
## 3230	0.747080684	5.554000e-04	major	0.03816511	93.048	0.475748062
## 3231	0.675333261	5.790000e-09	minor	0.35783285	132.039	0.464296877
## 3232	0.846062243	4.710000e-07	major	0.02921382	91.015	0.560187042
## 3233	0.505439103	2.050000e-05	major	0.11450682	114.972	0.178510040
## 3234	0.044949338	9.146624e-01	minor	0.04279304	72.278	0.048006371
## 3235	0.519067228	7.190000e-09	major	0.04941204	90.995	0.122026734
## 3236	0.683693469	1.220000e-05	minor	0.03890156	140.031	0.779381573
## 3237	0.461638987	7.440000e-08	major	0.25495261	82.991	0.198875189
## 3238	0.537557125	3.160000e-06	major	0.10132375	89.029	0.451397449
## 3239	0.452087730	1.348710e-03	minor	0.02822257	80.038	0.196872488
## 3240	0.478089422	4.470000e-09	major	0.03181384	139.945	0.286698610
## 3241	0.353684306	6.420000e-06	major	0.26647905	176.122	0.561265886
## 3242	0.787716329	7.220000e-11	major	0.08129137	79.959	0.814670622
## 3243	0.702056229	2.510000e-07	major	0.03255025	83.867	0.302708745
## 3244	0.350599736	6.750000e-08	major	0.05088725	114.965	0.356240541
## 3245	0.507875919	7.700000e-09	major	0.70260930	127.427	0.734447956
## 3246	0.911080301	3.780000e-10	major	0.11164740	105.584	0.173006922
## 3247	0.724205017	3.830000e-08	major	0.12153380	103.051	0.597121596
## 3248	0.777414262	4.300000e-05	major	0.20945020	123.990	0.651894450
## 3249	0.752531350	1.930000e-09	minor	0.36792016	97.626	0.481849879
## 3250	0.641614676	1.060000e-05	major	0.09505097	97.955	0.206736490
## 3251	0.675114870	3.170000e-06	major	0.31966573	180.065	0.603591442
## 3252	0.628306448	1.270000e-10	major	0.03061186	141.927	0.491577268
## 3253	0.392318875	1.670000e-05	major	0.20563711	106.998	0.148601577
## 3254	0.616309285	1.480000e-06	minor	0.27364495	141.969	0.482154161
## 3255	0.788861692	9.760000e-08	major	0.04084877	100.043	0.840771973
## 3256	0.595312178	3.309961e-01	major	0.03205359	124.974	0.906283200

## 3257	0.933475494	5.681899e-01	major	0.15545797	75.047	0.494705647
## 3258	0.735067487	6.800000e-10	major	0.30155098	129.993	0.450073779
## 3259	0.773986936	4.920000e-07	major	0.03707441	90.010	0.363277197
## 3260	0.600483537	3.272936e-03	minor	0.05430381	139.759	0.201761901
## 3261	0.989363253	2.701896e-02	major	0.12977414	140.101	0.102028809
## 3262	0.315121800	1.010000e-05	major	0.06077840	141.939	0.552313566
## 3263	0.902475238	1.340000e-11	major	0.03724083	120.045	0.580897093
## 3264	0.558982313	1.980000e-09	major	0.03199386	87.528	0.144827336
## 3265	0.882211566	1.900000e-07	major	0.05762047	106.017	0.560426354
## 3266	0.828758955	5.720000e-06	major	0.03288500	119.996	0.504244745
## 3267	0.887449324	8.910000e-08	major	0.40686107	82.572	0.419749856
## 3268	0.688091457	6.500000e-08	major	0.03180157	120.132	0.957684994
## 3269	0.439440519	2.870000e-08	major	0.14770165	133.937	0.241085127
## 3270	0.562875986	2.580000e-05	minor	0.06181385	139.967	0.196232900
## 3271	0.219659969	2.530000e-06	major	0.05357625	84.035	0.054757286
## 3272	0.576504588	2.120000e-11	minor	0.68934679	86.338	0.181847647
## 3273	0.293691427	1.600000e-09	major	0.03787339	92.531	0.492904305
## 3274	0.319270253	5.360000e-10	minor	0.31470543	80.048	0.345068842
## 3275	0.841620445	3.240000e-07	major	0.04381032	137.994	0.973617971
## 3276	0.576992035	2.710000e-06	major	0.03664276	99.977	0.314140528
## 3277	0.544880152	1.475080e-04	minor	0.31521967	172.687	0.305656999
## 3278	0.267554700	8.614288e-01	major	0.03454264	135.680	0.039759316
## 3279	0.795069039	1.676980e-04	major	0.17303094	126.317	0.618684947
## 3280	0.393683523	5.650000e-11	minor	0.02903075	94.909	0.542500973
## 3281	0.601868451	3.240000e-07	major	0.07441974	103.961	0.346594870
## 3282	0.462984324	5.330000e-12	minor	0.48342466	84.953	0.751266062
## 3283	0.389961213	5.040000e-07	minor	0.03601873	129.515	0.223238647
## 3284	0.475479990	1.518037e-02	major	0.06377156	116.037	0.284992784
## 3285	0.465870470	3.078816e-03	major	0.07172477	112.045	0.077756360
## 3286	0.668000698	9.190000e-09	minor	0.17120165	170.145	0.661944747
## 3287	0.534174204	3.564510e-04	major	0.13371877	90.017	0.085207112
## 3288	0.686583638	1.170000e-08	major	0.04488700	106.045	0.558421731
## 3289	0.798015058	4.793147e-01	major	0.04048339	144.966	0.096216112
## 3290	0.480719149	7.050000e-09	major	0.03138755	113.111	0.570225418
## 3291	0.715010941	5.050000e-11	major	0.03268494	156.095	0.373898476
## 3292	0.777930200	1.780000e-05	major	0.16255966	95.712	0.584129035
## 3293	0.615043819	3.020000e-09	major	0.27973735	88.689	0.359401554
## 3294	0.650365114	1.060749e-03	major	0.03383527	94.889	0.382800847
## 3295	0.758293509	9.098047e-02	major	0.38426587	159.940	0.819675088
## 3296	0.573924899	2.497580e-04	major	0.13475150	108.991	0.636928797
## 3297	0.876823783	1.110000e-11	major	0.10521990	104.930	0.678264380
## 3298	0.971945703	1.402536e-01	minor	0.07687447	113.354	0.161444798
## 3299	0.639693856	1.270000e-09	major	0.33819443	103.954	0.782592535
## 3300	0.678065896	6.100000e-05	minor	0.07794506	119.993	0.571056664
## 3301	0.577720404	2.168990e-04	minor	0.06831320	123.988	0.435420036
## 3302	0.842716813	8.389526e-03	major	0.14231356	144.280	0.491671532
## 3303	0.525763452	5.520000e-12	minor	0.04844662	78.643	0.195017010
## 3304	0.269374013	1.960000e-06	major	0.03287231	126.372	0.389038801
## 3305	0.530835509	3.690000e-07	minor	0.23888446	139.873	0.366078883
## 3306	0.658790231	1.019033e-01	major	0.05116775	128.017	0.599214852
## 3307	0.700577855	5.450000e-07	major	0.11756051	161.094	0.777142644
## 3308	0.684046507	2.310000e-07	minor	0.20544903	169.765	0.411395997
## 3309	0.641660929	3.583305e-01	major	0.04998540	122.989	0.539059997
## 3310	0.814622641	1.420000e-05	major	0.20470823	86.516	0.593435824

## 3311	0.912430227	6.590000e-09	major	0.10818389	156.044	0.391789019
## 3312	0.627728879	1.190000e-07	major	0.17139779	129.977	0.039849181
## 3313	0.631772578	1.310000e-09	major	0.06489785	145.926	0.354879767
## 3314	0.894154191	1.950000e-06	major	0.30026737	151.989	0.644949436
## 3315	0.477190614	4.150000e-05	major	0.25364471	119.807	0.599211097
## 3316	0.943748653	1.480000e-06	major	0.13398296	179.991	0.950852513
## 3317	0.451926529	5.700000e-07	major	0.03820191	99.993	0.196832940
## 3318	0.403121442	1.380000e-06	major	0.04314793	111.948	0.287261456
## 3319	0.822531462	7.170000e-10	minor	0.23201539	175.036	0.790389359
## 3320	0.505958855	1.030000e-06	minor	0.02734668	157.742	0.122807354
## 3321	0.434060782	3.110000e-06	major	0.02958893	115.749	0.265695393
## 3322	0.391454577	3.760000e-11	major	0.03296599	96.133	0.390048832
## 3323	0.967209160	4.050000e-12	major	0.95561957	173.516	0.181461960
## 3324	0.410856813	1.310000e-06	minor	0.09223866	135.919	0.367386550
## 3325	0.537553847	8.980000e-06	minor	0.17048235	127.948	0.278231174
## 3326	0.483815104	2.980000e-07	major	0.02668671	123.914	0.204881027
## 3327	0.440947860	1.930000e-12	major	0.30225876	127.028	0.478128552
## 3328	0.660498083	4.260000e-07	major	0.08779840	95.154	0.933688998
## 3329	0.363831997	9.519383e-03	major	0.25622645	75.950	0.492989391
## 3330	0.539061487	5.662180e-03	minor	0.03495576	96.564	0.194000393
## 3331	0.786132514	6.660000e-10	major	0.13375491	65.568	0.755587399
## 3332	0.348434567	8.534797e-01	minor	0.02958542	112.024	0.194117710
## 3333	0.567029059	1.300000e-10	major	0.06354281	149.968	0.573508561
## 3334	0.496279359	5.311821e-02	major	0.07334835	81.052	0.559313476
## 3335	0.681765735	2.980000e-07	major	0.05256559	148.029	0.161650836
## 3336	0.553578317	8.150000e-09	major	0.04879401	117.384	0.170410722
## 3337	0.659709215	7.960000e-06	major	0.05160305	99.988	0.628604174
## 3338	0.724217772	2.808657e-02	major	0.04992359	154.395	0.166868448
## 3339	0.757589102	2.370000e-10	major	0.03528902	97.012	0.475484937
## 3340	0.895907819	1.770000e-08	major	0.03882150	114.995	0.578075588
## 3341	0.415164888	5.339257e-01	major	0.05943329	89.997	0.153312922
## 3342	0.895827115	4.793251e-03	major	0.09364681	104.342	0.328778833
## 3343	0.717639327	8.410000e-09	minor	0.03102586	72.073	0.286259532
## 3344	0.643153191	7.380000e-05	major	0.03238361	126.063	0.960788667
## 3345	0.478941530	1.610000e-14	major	0.38863558	140.039	0.541688979
## 3346	0.975189805	1.450000e-06	major	0.07480106	177.980	0.500605285
## 3347	0.726519942	2.040000e-09	major	0.06748953	107.994	0.720599294
## 3348	0.964874089	4.780550e-01	major	0.29100010	150.020	0.045951936
## 3349	0.514029086	1.660000e-11	minor	0.20820111	134.095	0.366161525
## 3350	0.408938676	5.660017e-01	minor	0.05436866	139.891	0.103353269
## 3351	0.947445333	1.104790e-04	major	0.19741929	95.517	0.156393453
## 3352	0.808818161	9.700000e-08	major	0.03311189	146.104	0.733893096
## 3353	0.222001106	1.320060e-04	minor	0.03346197	86.221	0.113681450
## 3354	0.439515561	6.980000e-11	major	0.21259216	83.133	0.916508794
## 3355	0.673434019	1.920000e-10	major	0.41167614	95.038	0.356022626
## 3356	0.726861656	1.190000e-08	major	0.50368160	138.042	0.550719619
## 3357	0.652631581	4.212378e-01	major	0.03350296	121.020	0.729758799
## 3358	0.605204642	2.900748e-03	minor	0.08604800	115.942	0.143060625
## 3359	0.478947252	2.490000e-09	minor	0.06521139	119.923	0.390148193
## 3360	0.364726335	8.950000e-08	major	0.02793143	127.658	0.287754953
## 3361	0.829977214	1.830000e-05	major	0.03662273	128.059	0.224883094
## 3362	0.583484352	7.880000e-09	major	0.39550602	177.150	0.275609910
## 3363	0.497648031	1.707274e-03	major	0.05561823	119.988	0.366806954
## 3364	0.410930753	9.685670e-04	major	0.12708853	160.055	0.468343794

## 3365	0.654748559	1.500000e-08	major	0.24736211	76.835	0.353452295
## 3366	0.866125107	4.570000e-07	major	0.09771638	179.924	0.572271585
## 3367	0.713514984	4.000000e-05	major	0.03303921	111.692	0.724365592
## 3368	0.547730088	1.620000e-07	major	0.33479431	135.034	0.346839875
## 3369	0.778851330	7.700000e-06	major	0.03330776	126.033	0.211471632
## 3370	0.931201160	2.871283e-01	major	0.03973888	90.039	0.392829686
## 3371	0.440372467	6.570000e-10	major	0.48662773	124.013	0.499938250
## 3372	0.685141444	1.870000e-11	major	0.45849550	140.153	0.205917776
## 3373	0.924018323	1.980000e-05	major	0.09330202	160.972	0.398209840
## 3374	0.307645559	1.550000e-10	major	0.08176833	120.012	0.559566557
## 3375	0.749667048	1.482660e-03	major	0.31400234	139.827	0.431994826
## 3376	0.517094314	7.052843e-03	minor	0.05742157	69.287	0.425262421
## 3377	0.796039641	1.340000e-08	major	0.02829335	146.045	0.479033053
## 3378	0.470327020	3.050000e-08	major	0.16626006	129.995	0.964013100
## 3379	0.390199035	8.844157e-01	major	0.02533081	91.025	0.447943628
## 3380	0.762307584	4.630000e-09	minor	0.04577536	99.968	0.637181938
## 3381	0.621183574	9.440000e-09	major	0.21739639	140.030	0.292084038
## 3382	0.844260812	7.570000e-06	major	0.05851787	157.020	0.250909179
## 3383	0.822957873	1.431369e-01	major	0.09205989	204.936	0.445796102
## 3384	0.677023530	7.150000e-05	major	0.03650742	125.295	0.928138912
## 3385	0.990150869	1.580000e-07	major	0.19411159	75.011	0.039499369
## 3386	0.858941853	5.200000e-07	major	0.05870433	116.014	0.421996355
## 3387	0.695351005	3.390000e-06	minor	0.20842972	100.996	0.829899609
## 3388	0.694371581	1.860286e-03	major	0.07969258	91.487	0.736196399
## 3389	0.666933954	1.450000e-05	major	0.04289030	128.978	0.342436075
## 3390	0.771075547	1.720000e-09	major	0.11172247	138.060	0.414306134
## 3391	0.478333682	3.630000e-10	major	0.04191926	171.946	0.324991375
## 3392	0.764303029	1.742372e-02	minor	0.05304610	125.026	0.898684859
## 3393	0.836547136	2.730000e-06	major	0.17174363	133.441	0.774332404
## 3394	0.297818184	1.490000e-06	major	0.06831703	125.523	0.253509551
## 3395	0.184299991	2.983200e-04	major	0.03348601	184.171	0.156295836
## 3396	0.784273684	1.281190e-03	major	0.03419001	155.985	0.265991986
## 3397	0.655848503	1.540000e-05	major	0.03104537	118.046	0.553559065
## 3398	0.491395622	8.022487e-01	major	0.05161137	119.992	0.723991930
## 3399	0.417297810	7.810000e-08	minor	0.07065106	125.035	0.170053065
## 3400	0.110180810	9.297879e-01	major	0.04245637	128.288	0.264969260
## 3401	0.873752296	1.660000e-10	major	0.05063674	91.850	0.553748429
## 3402	0.892533064	1.382790e-04	major	0.05581831	120.089	0.331854880
## 3403	0.233094022	9.390000e-10	major	0.03237713	111.708	0.160002708
## 3404	0.664258420	3.120000e-08	major	0.08021501	124.944	0.365733653
## 3405	0.727420330	5.100000e-07	major	0.29942280	166.006	0.207301691
## 3406	0.516310453	9.143929e-01	major	0.15514670	170.039	0.297081202
## 3407	0.908010304	3.630000e-07	major	0.04164026	124.324	0.497848123
## 3408	0.335901767	8.670000e-10	major	0.03062789	108.009	0.109620981
## 3409	0.415788054	1.260000e-13	major	0.42819178	119.940	0.134433135
## 3410	0.798547626	1.186134e-02	minor	0.03977753	99.998	0.085118607
## 3411	0.680525661	5.620000e-06	minor	0.28548759	97.963	0.815499306
## 3412	0.315881252	6.128548e-03	major	0.02618585	100.998	0.155967534
## 3413	0.169591010	8.094957e-01	major	0.03908288	122.460	0.258032560
## 3414	0.419431478	2.420000e-05	major	0.03615618	118.939	0.096188731
## 3415	0.358559519	1.054293e-03	minor	0.28341916	143.041	0.070765406
## 3416	0.875736237	1.097453e-02	major	0.03857505	163.997	0.311344713
## 3417	0.869661391	9.030000e-09	major	0.05423517	144.026	0.819103837
## 3418	0.484744251	3.790000e-06	major	0.07331291	119.879	0.539657772

## 3419	0.830559134	1.400000e-06	major	0.04886847	139.053	0.627565265
## 3420	0.771214008	9.600000e-06	major	0.05334805	109.948	0.763667583
## 3421	0.500069380	1.270000e-05	major	0.02808706	133.962	0.288893253
## 3422	0.436717391	3.125320e-04	major	0.03127040	141.651	0.130999058
## 3423	0.372855663	3.760000e-05	minor	0.22404119	136.714	0.352248877
## 3424	0.088583365	1.200000e-05	major	0.03719821	56.558	0.267850250
## 3425	0.711203873	1.210000e-05	major	0.18593296	92.967	0.378096402
## 3426	0.771809220	7.550000e-06	major	0.03848556	92.019	0.201443508
## 3427	0.044275541	9.154297e-01	minor	0.04512844	128.807	0.144351020
## 3428	0.592808127	4.030000e-10	major	0.05706286	147.940	0.920449972
## 3429	0.577013075	5.670000e-09	major	0.30879331	191.662	0.385540932
## 3430	0.432428062	2.530000e-07	minor	0.19982247	135.911	0.569144726
## 3431	0.896368504	1.573536e-02	major	0.03407360	120.006	0.549328446
## 3432	0.892924130	7.580000e-08	major	0.03832640	163.948	0.777470112
## 3433	0.566956818	6.460000e-07	minor	0.23350933	126.864	0.585459948
## 3434	0.533355355	1.010000e-10	major	0.02668894	134.115	0.281453878
## 3435	0.407057196	3.010000e-05	major	0.25526202	172.027	0.679677784
## 3436	0.671013594	6.690000e-05	major	0.17858087	139.980	0.486061126
## 3437	0.471144170	1.463837e-03	major	0.05769828	152.881	0.208588973
## 3438	0.576800823	1.597989e-03	major	0.04480153	92.985	0.471949041
## 3439	0.001789858	7.905293e-01	major	0.05391470	70.093	0.043661069
## 3440	0.486311764	4.788745e-03	major	0.04339287	92.048	0.465692252
## 3441	0.791015267	1.400000e-10	major	0.23356700	139.938	0.439868987
## 3442	0.803803265	1.410000e-11	major	0.32319406	92.043	0.607370436
## 3443	0.131311938	4.136365e-03	major	0.46733907	105.808	0.813940108
## 3444	0.756311715	9.590000e-06	major	0.21901713	108.477	0.385489762
## 3445	0.937356114	1.760000e-12	major	0.95360827	83.070	0.329761386
## 3446	0.696995139	1.181699e-02	major	0.03983298	93.036	0.615220428
## 3447	0.266061336	1.108530e-01	major	0.03464750	111.472	0.080014303
## 3448	0.644548893	2.030000e-06	major	0.13701580	124.943	0.456541300
## 3449	0.793400764	3.650000e-08	major	0.06811973	101.066	0.635898113
## 3450	0.669477820	2.130000e-09	major	0.06822284	98.044	0.430549920
## 3451	0.708063304	6.530000e-08	minor	0.09119525	199.900	0.392050117
## 3452	0.724434435	1.030000e-05	major	0.02885780	102.030	0.546002567
## 3453	0.237004787	2.270000e-09	major	0.03411474	90.840	0.165890053
## 3454	0.751317501	2.420282e-01	major	0.06795958	74.004	0.963812470
## 3455	0.578676343	1.590000e-06	major	0.03171740	140.011	0.160787359
## 3456	0.249044940	6.950000e-06	major	0.20559721	122.965	0.664305151
## 3457	0.763722241	1.452550e-04	major	0.03117026	133.992	0.382438809
## 3458	0.810582340	5.350000e-10	major	0.04691831	115.066	0.476486504
## 3459	0.361771166	7.835102e-03	major	0.02788479	130.033	0.758555889
## 3460	0.710732222	2.780000e-07	major	0.03776088	99.515	0.293164313
## 3461	0.711061001	5.720000e-09	major	0.03555327	113.244	0.724962831
## 3462	0.019869464	9.488552e-01	major	0.04486100	107.378	0.177612334
## 3463	0.791046858	8.300000e-08	major	0.03571093	110.016	0.198996484
## 3464	0.823657811	1.030000e-11	major	0.11776511	84.015	0.322363287
## 3465	0.882587075	2.460000e-06	major	0.04533913	155.970	0.526525140
## 3466	0.719059408	6.720000e-08	minor	0.08607225	128.032	0.869406819
## 3467	0.418336123	8.831913e-02	minor	0.33550531	121.918	0.081858538
## 3468	0.846977472	2.054671e-02	major	0.17598932	173.843	0.614149451
## 3469	0.701612413	3.650000e-09	major	0.04385164	139.936	0.676169455
## 3470	0.147975773	9.145510e-01	major	0.02872659	79.626	0.093584880
## 3471	0.826931357	1.950000e-10	minor	0.15861772	179.949	0.731513858
## 3472	0.713840485	5.660000e-07	major	0.19953807	124.987	0.611509323

## 3473	0.847671151	1.230000e-11	major	0.19629992	105.984	0.426143348
## 3474	0.710617602	3.080000e-10	major	0.12908356	101.077	0.673901618
## 3475	0.730979621	8.110000e-05	minor	0.05403177	99.299	0.669117808
## 3476	0.820241928	1.090000e-09	major	0.06742531	112.938	0.697294891
## 3477	0.284442663	9.667026e-01	major	0.02896278	104.975	0.037688605
## 3478	0.578612328	5.610000e-07	major	0.03426663	138.755	0.326476574
## 3479	0.496328712	1.316529e-03	major	0.08040670	128.060	0.724905729
## 3480	0.499228746	8.650000e-07	major	0.18526258	142.867	0.453924626
## 3481	0.811633348	8.484342e-01	major	0.07919007	94.094	0.512071252
## 3482	0.486473024	9.503930e-04	major	0.08891246	124.007	0.136361942
## 3483	0.604693651	1.500000e-07	major	0.03555503	117.006	0.490709066
## 3484	0.667172849	2.680000e-08	minor	0.04066343	121.932	0.287476838
## 3485	0.821573377	1.880000e-06	major	0.03552450	93.993	0.436771542
## 3486	0.502625763	1.390170e-04	major	0.08080537	123.991	0.397962183
## 3487	0.489187062	3.330000e-11	major	0.03427697	78.145	0.267212808
## 3488	0.751520634	1.520000e-07	major	0.40951163	87.232	0.357593924
## 3489	0.720405936	2.970000e-10	major	0.27164102	89.932	0.448546231
## 3490	0.226847291	4.690000e-06	major	0.03590104	80.111	0.226357639
## 3491	0.744909286	8.600000e-08	major	0.06375892	94.254	0.829696417
## 3492	0.357800722	4.110953e-03	minor	0.13836092	113.402	0.068229437
## 3493	0.965272188	2.870000e-05	major	0.28334466	183.140	0.147977963
## 3494	0.672679365	3.040000e-06	major	0.05230987	99.840	0.110342309
## 3495	0.534020245	1.510000e-07	major	0.17671232	88.016	0.454779714
## 3496	0.320475698	4.910000e-06	minor	0.03089144	131.917	0.318234354
## 3497	0.535960197	2.520000e-09	major	0.02758549	92.939	0.471832126
## 3498	0.819305837	9.110000e-05	major	0.09397214	129.956	0.227864876
## 3499	0.942957401	9.665270e-04	major	0.03502338	92.462	0.326604515
## 3500	0.873208463	4.470000e-05	major	0.25410479	194.730	0.696510673
## 3501	0.595210314	7.560000e-08	major	0.12192407	120.390	0.610338092
## 3502	0.973831534	1.660000e-05	minor	0.11096983	127.993	0.361628085
## 3503	0.980940342	1.355000e-04	major	0.05868943	109.999	0.313004971
## 3504	0.664682329	1.087671e-03	minor	0.07995511	101.976	0.301715642
## 3505	0.948732138	5.700000e-07	minor	0.06084937	130.803	0.368245184
## 3506	0.725890219	4.532187e-02	major	0.06381016	124.005	0.200511023
## 3507	0.472743154	3.980000e-08	minor	0.06490917	173.980	0.037635300
## 3508	0.312422156	1.751887e-02	major	0.07022934	104.008	0.145411178
## 3509	0.535310388	4.090000e-07	major	0.03776956	169.811	0.967796803
## 3510	0.521645606	5.420000e-08	major	0.02960047	145.033	0.624857306
## 3511	0.138380498	9.528136e-01	major	0.03624800	68.062	0.038599182
## 3512	0.775560021	4.170000e-12	major	0.03897170	165.088	0.561397314
## 3513	0.447188437	2.600000e-08	major	0.03079915	111.378	0.181541830
## 3514	0.580635607	9.033060e-04	major	0.04294750	133.999	0.145345643
## 3515	0.708278060	8.160000e-13	major	0.03329129	123.053	0.355331510
## 3516	0.763800025	7.886697e-01	minor	0.04544051	110.007	0.913099825
## 3517	0.687214494	3.360000e-08	major	0.10522297	125.815	0.222552076
## 3518	0.544351935	1.890000e-06	minor	0.46176717	131.921	0.398363650
## 3519	0.801343560	2.480000e-07	major	0.24627911	177.843	0.678332448
## 3520	0.560368240	3.092210e-02	major	0.03117653	101.904	0.152867541
## 3521	0.585269213	5.010000e-13	major	0.12391763	84.977	0.299282700
## 3522	0.538356006	1.210000e-08	major	0.05904607	139.256	0.405178219
## 3523	0.602278352	1.100000e-05	minor	0.32312369	124.003	0.539131165
## 3524	0.442862749	6.940000e-06	major	0.03758191	136.958	0.702758431
## 3525	0.120832227	9.446663e-01	minor	0.04919015	78.936	0.108306170
## 3526	0.876994967	4.470000e-05	major	0.05066963	137.000	0.899273217

## 3527	0.485503972	6.538365e-03	minor	0.33836526	128.077	0.053492285
## 3528	0.777910411	5.500000e-08	minor	0.15276738	89.988	0.325142473
## 3529	0.344292819	5.580000e-06	major	0.22118358	149.952	0.445994347
## 3530	0.425024390	1.706034e-01	major	0.03390870	135.889	0.744806767
## 3531	0.296025962	2.010000e-09	major	0.02849845	97.118	0.560366154
## 3532	0.703630328	2.410000e-07	major	0.03257838	101.994	0.259907991
## 3533	0.785912037	8.560000e-08	minor	0.03765122	128.027	0.235604346
## 3534	0.565378845	2.460000e-08	minor	0.06759252	113.926	0.810132802
## 3535	0.891624212	9.990000e-09	major	0.03286575	111.011	0.381335646
## 3536	0.654179573	6.570000e-08	major	0.20763215	131.983	0.429896414
## 3537	0.723800302	3.550000e-11	major	0.42477497	97.948	0.322607338
## 3538	0.445927024	3.302661e-02	minor	0.07029039	190.045	0.606262803
## 3539	0.839006305	5.240000e-06	major	0.24120417	98.053	0.365476608
## 3540	0.895915449	1.058747e-03	minor	0.05827728	148.019	0.742046118
## 3541	0.125580326	9.920935e-01	major	0.04297442	78.927	0.032754324
## 3542	0.470573545	5.630000e-09	major	0.45420578	68.669	0.154492915
## 3543	0.551445067	2.840000e-10	major	0.04214642	119.870	0.834583819
## 3544	0.693584681	6.320000e-05	minor	0.04359379	121.974	0.436715722
## 3545	0.913379967	1.080000e-09	major	0.10493474	142.134	0.519451320
## 3546	0.824523389	2.250000e-06	minor	0.05350256	98.959	0.482377529
## 3547	0.534948170	3.420000e-05	major	0.03100275	138.098	0.475677997
## 3548	0.371941447	5.784560e-04	minor	0.06503539	129.967	0.192977652
## 3549	0.342038542	9.619436e-01	major	0.02609387	90.002	0.087113649
## 3550	0.679964423	8.270000e-12	minor	0.22244315	129.638	0.586708128
## 3551	0.772481263	2.300650e-03	major	0.19860305	174.574	0.751850724
## 3552	0.485507518	3.530000e-05	minor	0.12727962	151.995	0.843898296
## 3553	0.249425799	5.020000e-07	major	0.58344889	91.168	0.447028637
## 3554	0.880936563	4.050000e-11	minor	0.05562202	120.007	0.593013942
## 3555	0.815459847	6.862833e-01	minor	0.03607039	124.808	0.216846541
## 3556	0.570910275	1.150000e-10	minor	0.04931056	81.059	0.634800196
## 3557	0.904733181	4.660000e-13	minor	0.06092943	74.989	0.466286063
## 3558	0.293928832	6.720000e-10	major	0.56770694	116.038	0.231128901
## 3559	0.968981504	9.145294e-01	minor	0.08044169	134.531	0.012784002
## 3560	0.756441772	3.086780e-04	major	0.04700436	120.936	0.966222584
## 3561	0.525968909	3.660000e-09	minor	0.16003312	99.815	0.651054323
## 3562	0.953442216	1.280000e-10	major	0.18334860	159.007	0.733251274
## 3563	0.397801638	4.163469e-02	minor	0.02595994	100.961	0.235886574
## 3564	0.928386629	6.360000e-06	major	0.08985937	197.095	0.600517273
## 3565	0.824052334	2.940000e-11	major	0.12169933	127.961	0.733814478
## 3566	0.025998885	9.533293e-01	major	0.06451811	170.731	0.125226125
## 3567	0.392495126	7.960000e-09	major	0.04324593	97.007	0.924246788
## 3568	0.924571216	2.920000e-08	major	0.06578539	120.926	0.962500095
## 3569	0.906317711	8.735765e-01	minor	0.05345971	122.987	0.961635351
## 3570	0.705883324	7.970000e-07	minor	0.05109896	122.015	0.703553081
## 3571	0.913208425	4.345040e-04	minor	0.07569952	144.973	0.512450337
## 3572	0.098709099	1.650000e-11	major	0.04793008	127.948	0.418201745
## 3573	0.894896150	1.240000e-08	minor	0.03350889	124.964	0.770086348
## 3574	0.669813752	3.610000e-10	minor	0.27501398	92.026	0.679004550
## 3575	0.359170645	6.750130e-04	major	0.03126716	93.120	0.039941210
## 3576	0.692247927	8.960000e-10	major	0.22572377	120.037	0.469043612
## 3577	0.982050240	2.149180e-04	major	0.05688907	114.114	0.445802033
## 3578	0.447152883	2.420000e-05	major	0.20410666	114.256	0.580346704
## 3579	0.670343578	9.960000e-10	major	0.11891968	102.019	0.604158461
## 3580	0.713609934	6.160000e-09	minor	0.04564340	201.959	0.966665030

## 3581	0.971920192	1.606510e-04	major	0.08199088	130.011	0.569796979
## 3582	0.534517407	2.850000e-07	major	0.03669514	124.951	0.126631573
## 3583	0.713133931	9.640000e-13	major	0.22420673	139.963	0.705794573
## 3584	0.559200346	3.460000e-08	major	0.42175302	165.009	0.303818882
## 3585	0.518493116	9.270000e-09	major	0.11585023	111.827	0.411100656
## 3586	0.851806283	7.802424e-01	major	0.12906271	144.963	0.088351600
## 3587	0.435017824	2.150000e-06	major	0.03135591	136.066	0.400449753
## 3588	0.565795064	1.740000e-07	minor	0.02814183	134.027	0.244263396
## 3589	0.816971004	3.460000e-06	major	0.04052471	125.018	0.660526752
## 3590	0.552722156	5.350000e-09	major	0.03504015	111.039	0.256703973
## 3591	0.840091586	2.890000e-08	major	0.08791894	101.990	0.624246657
## 3592	0.642341137	8.410000e-10	major	0.05883199	150.060	0.065815583
## 3593	0.470278859	1.160000e-07	major	0.37151396	133.026	0.423322141
## 3594	0.830860376	1.410000e-10	major	0.26480299	158.054	0.576538444
## 3595	0.947341979	7.036397e-01	major	0.10135755	150.011	0.444107503
## 3596	0.625889421	5.384190e-04	minor	0.04101136	139.912	0.297348112
## 3597	0.854430377	1.110000e-06	minor	0.08177780	105.969	0.614822686
## 3598	0.646246016	2.430000e-07	major	0.03073868	154.852	0.344152480
## 3599	0.295107126	7.300000e-06	minor	0.57382834	159.904	0.531168282
## 3600	0.358311474	5.014490e-04	minor	0.05081530	138.944	0.016691977
## 3601	0.597242832	4.270000e-08	major	0.03615212	163.595	0.534416914
## 3602	0.607675254	6.838200e-04	major	0.30336133	138.038	0.508034587
## 3603	0.650051773	1.740000e-05	major	0.09996536	146.944	0.563658774
## 3604	0.527028203	1.868390e-04	major	0.26596999	149.985	0.539518416
## 3605	0.683231711	1.530000e-06	major	0.03252816	100.005	0.721509337
## 3606	0.923258424	4.160554e-01	major	0.04295940	125.999	0.365086079
## 3607	0.740281820	3.639027e-02	major	0.03399084	76.490	0.478985935
## 3608	0.597125649	2.184786e-03	major	0.04367869	143.990	0.201078802
## 3609	0.748340487	1.760000e-05	minor	0.12929927	101.001	0.473197013
## 3610	0.614122033	7.410000e-10	major	0.21073510	140.028	0.087839477
## 3611	0.372587442	8.686499e-01	major	0.11057770	80.060	0.760267973
## 3612	0.319485933	1.020000e-10	major	0.03620990	115.457	0.304599971
## 3613	0.403623521	1.890000e-06	major	0.05380523	135.081	0.972275138
## 3614	0.318248957	6.180000e-09	major	0.03137334	81.923	0.249232933
## 3615	0.435557246	1.320000e-08	minor	0.32371563	139.816	0.615815222
## 3616	0.625519454	3.780000e-10	minor	0.04331892	136.800	0.722652555
## 3617	0.562219381	1.850000e-08	major	0.03298625	89.947	0.453648359
## 3618	0.796203852	8.660000e-07	minor	0.22977510	100.480	0.376573890
## 3619	0.153705075	6.919593e-03	major	0.03187743	99.886	0.094912179
## 3620	0.465313077	4.779992e-03	major	0.04136297	88.006	0.282141268
## 3621	0.606303871	3.050000e-06	minor	0.27310467	154.101	0.491004676
## 3622	0.369913191	6.379040e-04	major	0.03024753	83.949	0.345516890
## 3623	0.496311486	2.862270e-04	major	0.33577249	178.656	0.843716502
## 3624	0.697790563	1.460000e-06	minor	0.33006617	76.500	0.502284765
## 3625	0.848974943	2.550000e-09	major	0.04931338	105.129	0.825723886
## 3626	0.686325788	2.630000e-07	major	0.05497598	139.901	0.393020123
## 3627	0.627742350	2.223420e-04	major	0.20134453	150.836	0.242970243
## 3628	0.644025326	3.460000e-05	major	0.04292033	95.000	0.858603358
## 3629	0.453510374	1.590000e-10	major	0.47854883	75.239	0.547922373
## 3630	0.861280739	8.950000e-05	minor	0.21234168	126.653	0.841270387
## 3631	0.259762049	8.857943e-01	major	0.04575023	128.523	0.105484799
## 3632	0.568535686	1.480000e-06	major	0.13977028	132.037	0.552075326
## 3633	0.871758819	3.320000e-11	major	0.07253173	159.983	0.634060442
## 3634	0.896447420	1.370000e-07	major	0.06845395	119.998	0.054424621

## 3635	0.549216270	3.740000e-09	major	0.07756584	119.948	0.330246359
## 3636	0.791204333	8.909956e-03	major	0.13742073	169.840	0.359059483
## 3637	0.713293374	6.366520e-04	major	0.07474519	129.923	0.243160427
## 3638	0.683308721	4.610000e-06	major	0.20944710	154.962	0.198774248
## 3639	0.718451381	7.699720e-04	minor	0.08141553	165.272	0.365532815
## 3640	0.347691357	3.030000e-06	minor	0.09633097	119.997	0.938160360
## 3641	0.969641268	1.350000e-05	minor	0.09793620	94.989	0.392159790
## 3642	0.350783706	1.710000e-08	major	0.02738256	109.900	0.291208833
## 3643	0.427449524	3.910000e-09	major	0.03228193	114.028	0.323285609
## 3644	0.385418892	2.340000e-08	major	0.08170345	129.958	0.189735577
## 3645	0.966362178	1.270000e-07	major	0.36587256	139.967	0.863832176
## 3646	0.644037247	4.410000e-08	major	0.20606230	119.902	0.431198269
## 3647	0.770057261	8.920000e-10	major	0.03670406	134.000	0.274283141
## 3648	0.535644412	8.360959e-01	major	0.03054836	110.110	0.260652095
## 3649	0.868025661	6.388846e-02	major	0.03662017	119.991	0.585345507
## 3650	0.864478648	8.542951e-01	minor	0.16857280	157.434	0.696722746
## 3651	0.916207492	1.825576e-01	major	0.04589198	98.008	0.743361592
## 3652	0.939508915	1.550000e-08	major	0.09917617	176.196	0.680244684
## 3653	0.655480623	9.020000e-08	major	0.02834943	142.915	0.111388899
## 3654	0.971019804	1.484346e-03	major	0.08825704	122.951	0.525003195
## 3655	0.400470525	1.070000e-08	major	0.03515272	73.054	0.555703104
## 3656	0.494030565	1.480000e-10	major	0.51311725	61.947	0.278635144
## 3657	0.346836597	5.809269e-01	major	0.13602413	100.065	0.508836567
## 3658	0.544925094	2.320000e-08	major	0.36977306	82.388	0.398392528
## 3659	0.621842265	6.240000e-08	major	0.09673391	139.927	0.586817443
## 3660	0.121509559	8.973517e-01	major	0.04633731	71.867	0.036946736
## 3661	0.546038389	6.470000e-10	minor	0.20920381	76.521	0.740477979
## 3662	0.324552536	3.180610e-04	major	0.04494492	137.058	0.199877009
## 3663	0.449120909	3.270000e-11	minor	0.18836221	130.012	0.539704680
## 3664	0.531336904	2.510000e-07	major	0.21406712	135.149	0.279443502
## 3665	0.345610678	5.761520e-04	major	0.04102305	129.531	0.503257036
## 3666	0.417735130	4.179872e-01	major	0.06405783	84.987	0.152992368
## 3667	0.788562417	8.350816e-01	major	0.03705846	96.125	0.773378313
## 3668	0.737576127	3.610000e-09	major	0.03061157	136.153	0.379108965
## 3669	0.631409287	6.110276e-01	minor	0.39327639	146.966	0.217037439
## 3670	0.055451483	4.340000e-13	major	0.09893854	113.584	0.539285064
## 3671	0.794489980	2.590000e-05	minor	0.05224396	139.994	0.355955184
## 3672	0.279573143	5.910000e-12	major	0.03924357	82.645	0.806580126
## 3673	0.689737201	3.280000e-08	major	0.17865001	119.657	0.232348293
## 3674	0.533800006	1.340000e-10	minor	0.03685464	169.907	0.400562912
## 3675	0.530233204	1.750000e-07	major	0.22025892	119.992	0.561993003
## 3676	0.652328730	5.500000e-08	major	0.11507238	147.961	0.496001840
## 3677	0.691479325	3.050000e-09	major	0.25932246	125.978	0.349321336
## 3678	0.288588136	3.620000e-14	major	0.02778732	108.092	0.434417784
## 3679	0.859739780	5.600000e-08	minor	0.17646335	117.433	0.794881165
## 3680	0.461901575	1.010000e-06	major	0.06456162	59.635	0.377178013
## 3681	0.441157520	2.460000e-06	major	0.03690671	105.026	0.872677922
## 3682	0.617927074	1.166970e-04	major	0.04480638	120.956	0.134277850
## 3683	0.933200240	2.640886e-01	major	0.08028916	150.035	0.448827952
## 3684	0.718091667	1.510000e-11	major	0.28090215	147.126	0.622977316
## 3685	0.443689495	1.334036e-03	major	0.37316379	175.581	0.573682964
## 3686	0.697363794	1.330000e-09	minor	0.05415343	120.044	0.244211987
## 3687	0.454562783	9.550000e-10	major	0.10285692	122.895	0.622002542
## 3688	0.855659187	4.030000e-10	major	0.05470737	91.911	0.727533698

## 3689	0.273692876	1.853423e-01	minor	0.48355410	77.493	0.146488428
## 3690	0.394834340	3.080000e-07	minor	0.32872558	144.964	0.535710752
## 3691	0.716227174	1.877490e-03	major	0.03076573	142.780	0.761196315
## 3692	0.326181471	6.232327e-01	major	0.03260492	80.787	0.172752157
## 3693	0.900783658	1.800000e-05	major	0.05350568	130.039	0.699020147
## 3694	0.410899043	7.250000e-07	major	0.04063015	80.483	0.372801960
## 3695	0.687122405	9.295368e-01	minor	0.05532263	94.025	0.699364245
## 3696	0.728173554	8.460000e-09	major	0.26828569	119.986	0.450508624
## 3697	0.721133888	6.233550e-01	major	0.05828044	124.121	0.041791622
## 3698	0.694044054	2.180000e-09	minor	0.17311055	139.013	0.406325310
## 3699	0.030355141	9.582049e-01	minor	0.04773414	94.937	0.380196124
## 3700	0.813704848	1.890812e-03	major	0.25722462	170.151	0.557235658
## 3701	0.946330845	3.300000e-08	major	0.10036756	81.531	0.443954021
## 3702	0.782287955	3.030000e-13	minor	0.21809381	165.057	0.516781747
## 3703	0.883621871	9.320000e-05	major	0.04996800	100.043	0.542179525
## 3704	0.661485195	7.900000e-05	minor	0.05173751	153.907	0.622440696
## 3705	0.648756325	2.140720e-04	minor	0.03239980	120.016	0.218428656
## 3706	0.668066382	5.710000e-05	major	0.05072434	129.974	0.555041969
## 3707	0.490031809	2.540000e-05	major	0.03139167	119.985	0.498423278
## 3708	0.084937625	2.470000e-05	minor	0.06412396	109.089	0.055768818
## 3709	0.663220882	2.190000e-11	major	0.26104385	66.979	0.337905973
## 3710	0.732122421	1.536050e-02	minor	0.07581522	130.025	0.681236088
## 3711	0.237678975	9.316781e-01	major	0.03088659	150.034	0.165807083
## 3712	0.797209680	2.930000e-05	major	0.03069976	147.737	0.500112891
## 3713	0.673299670	5.290000e-08	major	0.02825039	89.070	0.570509791
## 3714	0.766254961	4.310000e-13	major	0.27941501	81.721	0.444896013
## 3715	0.355377018	5.661974e-03	major	0.03391457	136.023	0.257908434
## 3716	0.892700851	3.190000e-05	minor	0.03841229	122.056	0.733078003
## 3717	0.211981922	5.680000e-05	major	0.06278421	97.814	0.102597982
## 3718	0.726901174	6.820000e-07	minor	0.10460398	96.012	0.664582372
## 3719	0.032505341	9.130018e-01	major	0.03146068	87.127	0.177481115
## 3720	0.911706746	7.944426e-01	minor	0.21147688	110.013	0.370591015
## 3721	0.027858224	2.260916e-03	major	0.04119063	88.388	0.354376584
## 3722	0.536371291	8.936313e-01	major	0.20857576	123.999	0.411596239
## 3723	0.760678947	3.190000e-10	major	0.06251250	139.961	0.697743297
## 3724	0.953830898	9.078729e-01	minor	0.04135749	122.004	0.060989004
## 3725	0.800154209	4.730000e-09	major	0.11043448	145.932	0.802353561
## 3726	0.870305181	3.550000e-05	major	0.04681545	175.820	0.719180048
## 3727	0.468426555	7.403653e-01	minor	0.19213779	84.171	0.038097635
## 3728	0.571593106	9.285430e-04	major	0.03687692	119.230	0.895201981
## 3729	0.575662553	2.638498e-01	major	0.03866718	164.960	0.783873081
## 3730	0.607441068	2.610000e-08	minor	0.32485777	80.550	0.422642827
## 3731	0.573087215	8.116723e-01	major	0.04521500	180.005	0.064063795
## 3732	0.675385475	1.050000e-11	major	0.26330343	133.999	0.637184203
## 3733	0.543873191	1.040000e-09	minor	0.25747365	149.993	0.495055616
## 3734	0.544854164	2.600970e-03	major	0.03855027	179.936	0.249916390
## 3735	0.751274586	1.940000e-10	minor	0.04294318	139.977	0.304892808
## 3736	0.554753184	3.040000e-09	major	0.05022583	110.022	0.462655306
## 3737	0.788079441	7.590000e-06	minor	0.06910051	138.102	0.363692045
## 3738	0.609411061	9.300000e-10	major	0.11680763	140.304	0.439157188
## 3739	0.630228877	1.450000e-08	major	0.09852269	76.494	0.048558988
## 3740	0.320566922	2.557960e-04	major	0.03120947	103.029	0.085882284
## 3741	0.826740086	1.100000e-09	major	0.18905811	125.028	0.808036685
## 3742	0.523150563	7.880000e-09	minor	0.04287776	134.931	0.290283829

## 3743	0.187149644	3.040000e-11	major	0.03985135	143.502	0.381783724
## 3744	0.012173871	9.673344e-01	major	0.04150894	67.991	0.031137133
## 3745	0.395677835	1.890000e-07	minor	0.02959475	189.646	0.288181931
## 3746	0.805342615	1.000000e-05	minor	0.09746471	115.915	0.460818619
## 3747	0.924671113	2.540000e-08	major	0.31122681	137.989	0.411834151
## 3748	0.773799002	1.030000e-07	minor	0.57244635	169.568	0.395637363
## 3749	0.185665712	8.933088e-01	major	0.07612561	175.949	0.180957288
## 3750	0.513747454	2.215722e-02	minor	0.24599686	129.963	0.678885281
## 3751	0.394203126	6.903952e-01	minor	0.04226742	159.978	0.109837636
## 3752	0.622599602	7.320000e-06	major	0.04343488	122.951	0.611962259
## 3753	0.657047272	1.240000e-05	major	0.13033934	179.868	0.455026954
## 3754	0.405987829	1.140000e-09	minor	0.11952481	101.487	0.136476696
## 3755	0.517834902	1.330000e-06	major	0.11572249	92.734	0.504024565
## 3756	0.719251573	5.530000e-07	major	0.03776537	102.007	0.276278019
## 3757	0.614052355	1.080000e-06	minor	0.37521163	190.981	0.253035486
## 3758	0.385221064	1.280000e-06	major	0.06010868	135.073	0.363008469
## 3759	0.689294994	5.430000e-05	major	0.05318168	115.892	0.601191461
## 3760	0.623024583	1.640000e-07	major	0.03979250	100.436	0.206978947
## 3761	0.723015368	4.180000e-11	major	0.34669772	154.966	0.350281507
## 3762	0.889099061	5.800000e-05	major	0.03760405	101.977	0.960265934
## 3763	0.398340255	3.646294e-02	minor	0.07752992	94.135	0.188891694
## 3764	0.508968234	9.898122e-03	major	0.07171110	121.124	0.894463122
## 3765	0.604644716	4.190000e-09	major	0.04219475	122.333	0.119447038
## 3766	0.532988667	6.590000e-07	major	0.03532725	149.981	0.961166918
## 3767	0.568802774	2.220000e-08	major	0.02853428	110.001	0.496909052
## 3768	0.959972918	1.324621e-01	major	0.09397354	140.034	0.424464554
## 3769	0.976835608	1.566378e-03	major	0.09372006	149.964	0.269360244
## 3770	0.675552905	6.000000e-09	major	0.07692154	95.824	0.288783640
## 3771	0.784116507	9.706771e-01	minor	0.05328281	83.128	0.000010000
## 3772	0.670296848	4.390000e-05	major	0.10724935	110.284	0.846927226
## 3773	0.374493718	2.491373e-02	minor	0.04751425	82.058	0.051940877
## 3774	0.981684387	6.499354e-02	major	0.05533667	147.505	0.511231601
## 3775	0.794292271	1.380000e-08	major	0.07295994	170.085	0.509132922
## 3776	0.673492432	1.210000e-06	major	0.03476599	121.870	0.301359624
## 3777	0.549814284	7.420660e-04	minor	0.06132408	96.018	0.447545588
## 3778	0.761712193	1.586320e-04	major	0.06478778	121.593	0.291398317
## 3779	0.498104781	7.978143e-01	major	0.04487874	83.969	0.049766634
## 3780	0.901579201	9.140000e-05	minor	0.05888971	122.174	0.730597138
## 3781	0.545080662	1.277410e-01	major	0.05056209	129.001	0.038688406
## 3782	0.932400227	3.280000e-05	major	0.30908948	123.071	0.511475205
## 3783	0.484261096	6.560000e-07	major	0.05173176	144.029	0.409861535
## 3784	0.224935487	9.271025e-01	major	0.03287591	85.986	0.060701035
## 3785	0.695366383	3.377537e-03	major	0.04555939	135.047	0.463756770
## 3786	0.552698195	8.930000e-11	major	0.07808381	140.115	0.133507520
## 3787	0.370264769	8.597550e-02	major	0.07119136	119.806	0.352246732
## 3788	0.312559396	4.260000e-09	major	0.03526345	146.370	0.382423222
## 3789	0.736124575	1.190000e-06	major	0.04774507	93.957	0.241315708
## 3790	0.698229849	2.380000e-11	major	0.02759422	111.959	0.455543578
## 3791	0.605403602	1.370000e-08	major	0.20523670	114.850	0.653566539
## 3792	0.667112887	7.790000e-09	minor	0.51624346	187.767	0.719829679
## 3793	0.745563865	5.740000e-06	minor	0.07649722	127.990	0.262996823
## 3794	0.000000000	0.000000e+00	minor	0.00000000	0.000	0.000000000
## 3795	0.464848548	7.236000e-01	minor	0.18983588	87.104	0.037038065
## 3796	0.724713862	6.800000e-06	major	0.18164161	116.827	0.971427560

## 3797	0.139656454	4.210000e-07	major	0.03769589	117.994	0.536144078
## 3798	0.504706562	7.140000e-13	major	0.09330183	99.017	0.311750889
## 3799	0.390610248	1.400000e-10	major	0.04123558	125.631	0.149279997
## 3800	0.801835358	1.740000e-11	major	0.13351433	100.003	0.287714213
## 3801	0.384631008	3.180000e-08	major	0.37835282	162.039	0.390916348
## 3802	0.622949541	4.680000e-06	major	0.13263263	79.000	0.100049958
## 3803	0.741110086	1.520000e-08	minor	0.04316446	124.018	0.885127366
## 3804	0.541214466	3.110000e-11	major	0.03933229	115.038	0.048924226
## 3805	0.705167294	3.340000e-09	major	0.06141294	144.952	0.381105483
## 3806	0.440099210	2.382991e-02	major	0.20477150	117.000	0.263971269
## 3807	0.630889952	3.490000e-09	major	0.04183003	144.845	0.520967364
## 3808	0.416806102	3.304370e-02	major	0.20039982	79.001	0.267010391
## 3809	0.544554293	6.120000e-05	major	0.02955005	132.985	0.585982084
## 3810	0.838731050	1.050000e-06	major	0.05391950	167.894	0.528265119
## 3811	0.619779587	7.380000e-05	minor	0.23316592	175.954	0.675215662
## 3812	0.916175723	6.813017e-03	major	0.04516758	98.030	0.675495923
## 3813	0.738824010	8.002480e-02	major	0.03517784	140.044	0.029298151
## 3814	0.362595767	1.989472e-03	major	0.16981725	96.001	0.549709082
## 3815	0.720067143	6.500000e-09	major	0.03250048	113.994	0.901919484
## 3816	0.689822078	8.020000e-13	major	0.23742451	120.024	0.590818763
## 3817	0.826744676	2.150000e-07	major	0.05381568	91.030	0.830567777
## 3818	0.908361793	7.722931e-03	major	0.03290276	100.027	0.376097322
## 3819	0.751471519	1.610000e-09	major	0.03912620	120.133	0.881451964
## 3820	0.784182906	8.920000e-06	major	0.04757706	118.011	0.250893474
## 3821	0.992449403	3.690000e-05	minor	0.12498061	161.952	0.382837802
## 3822	0.440381706	9.299464e-02	minor	0.13513778	163.040	0.243313387
## 3823	0.488260746	7.250000e-10	minor	0.04586828	77.972	0.039464019
## 3824	0.532476783	5.370000e-05	major	0.12799738	76.459	0.364321172
## 3825	0.615773678	1.090000e-06	major	0.02800240	144.218	0.202595741
## 3826	0.629915118	1.108630e-04	major	0.22105233	162.065	0.794144034
## 3827	0.906377912	9.725143e-01	minor	0.10364073	88.076	0.023550702
## 3828	0.696315706	7.580000e-08	major	0.11629877	129.923	0.331051081
## 3829	0.639002323	1.990000e-06	minor	0.05650163	75.465	0.112044916
## 3830	0.937570632	1.110000e-10	major	0.24683861	138.981	0.174980178
## 3831	0.799192667	1.250000e-10	minor	0.46299955	187.883	0.146748081
## 3832	0.416383207	1.800000e-08	major	0.02941977	138.179	0.550680220
## 3833	0.573791683	8.770000e-06	minor	0.05997643	128.049	0.423821062
## 3834	0.579174697	2.480000e-06	major	0.03114954	147.280	0.163974643
## 3835	0.615512669	2.950000e-09	major	0.25747964	84.933	0.417062253
## 3836	0.643331707	1.340000e-06	minor	0.04526237	124.874	0.970998108
## 3837	0.540975511	7.800000e-05	major	0.03963603	106.572	0.106814191
## 3838	0.382980585	1.120000e-08	major	0.03965954	148.158	0.103072673
## 3839	0.889786243	9.410000e-11	major	0.04129480	87.871	0.674041450
## 3840	0.084284455	4.540000e-09	major	0.06126517	115.597	0.458520383
## 3841	0.440454900	1.202400e-04	major	0.04392013	127.980	0.489239514
## 3842	0.533982098	7.800000e-07	major	0.05013255	117.962	0.269749582
## 3843	0.340487361	1.265180e-01	minor	0.03798679	179.695	0.737166464
## 3844	0.661094308	2.600000e-10	minor	0.27154207	79.995	0.262270570
## 3845	0.822777510	1.300000e-08	minor	0.13559933	77.315	0.588915169
## 3846	0.175564229	9.423098e-01	major	0.04030513	67.781	0.035860136
## 3847	0.685663581	5.047425e-01	major	0.09289848	140.013	0.147810146
## 3848	0.482275724	1.440000e-06	minor	0.03025689	97.991	0.187581331
## 3849	0.414774418	1.455720e-04	minor	0.61971277	93.726	0.699858367
## 3850	0.761832356	7.140000e-07	major	0.33025822	139.944	0.892088711

## 3851	0.339423716	1.739370e-04	major	0.04171870	100.048	0.113895826
## 3852	0.790546596	9.500000e-11	major	0.74716973	109.996	0.505900085
## 3853	0.754305959	1.177070e-04	major	0.03141672	90.151	0.333578199
## 3854	0.316996127	8.570071e-01	minor	0.03239968	84.935	0.037682645
## 3855	0.768492222	1.800000e-12	major	0.26933196	133.622	0.494177252
## 3856	0.557334483	6.120000e-08	major	0.08132247	132.980	0.205423042
## 3857	0.622880757	1.740000e-07	minor	0.21109621	156.049	0.283017486
## 3858	0.026222376	8.954166e-01	major	0.03982682	100.076	0.055604301
## 3859	0.465051085	1.062108e-03	major	0.11969902	160.659	0.961987793
## 3860	0.773982227	1.680000e-05	major	0.13720006	145.015	0.679394901
## 3861	0.813923120	1.700000e-05	major	0.03828077	121.135	0.705094934
## 3862	0.862210214	3.270000e-06	major	0.04591778	115.023	0.847487986
## 3863	0.698863149	1.930000e-11	major	0.33618867	130.017	0.145874858
## 3864	0.309842467	4.350000e-09	major	0.03694215	179.746	0.768969297
## 3865	0.594940543	3.900000e-06	major	0.04525745	91.010	0.595963836
## 3866	0.562772274	1.170000e-09	minor	0.20884274	104.962	0.558224022
## 3867	0.563552916	4.100000e-09	minor	0.07275772	85.027	0.286584407
## 3868	0.462452918	1.040000e-08	major	0.06279820	129.866	0.120918080
## 3869	0.424232483	3.290000e-05	major	0.09025080	137.237	0.903176665
## 3870	0.651213825	5.730000e-11	minor	0.05530935	117.951	0.844535887
## 3871	0.942326665	2.640000e-11	major	0.03642028	113.931	0.925266623
## 3872	0.478246778	3.210000e-08	major	0.10686853	172.076	0.137920171
## 3873	0.455849439	6.820000e-05	major	0.32780960	87.010	0.196467161
## 3874	0.744028926	4.870000e-06	major	0.04582625	101.991	0.605198741
## 3875	0.595054746	5.390000e-05	major	0.06254204	134.921	0.488667637
## 3876	0.699890375	9.036560e-04	major	0.03103228	111.995	0.442086548
## 3877	0.531848133	3.620000e-08	major	0.23893686	83.668	0.561220646
## 3878	0.593434513	2.390000e-11	minor	0.03974423	145.025	0.720605195
## 3879	0.283410907	3.130000e-09	minor	0.04667553	131.496	0.177418232
## 3880	0.873097420	1.940000e-11	major	0.46728331	116.995	0.709178865
## 3881	0.000000000	0.000000e+00	minor	0.00000000	0.000	0.000000000
## 3882	0.821353197	2.100000e-06	major	0.03649919	100.025	0.467595220
## 3883	0.423873156	5.234653e-01	major	0.18661420	97.432	0.183830246
## 3884	0.212819308	5.573907e-03	major	0.03232757	123.518	0.080250472
## 3885	0.832682788	6.270000e-05	major	0.03551198	141.976	0.507297516
## 3886	0.783881009	2.690000e-05	minor	0.28682113	145.027	0.332688481
## 3887	0.631172776	5.972880e-04	major	0.06441426	160.044	0.535149336
## 3888	0.805719256	5.080000e-12	minor	0.19291678	129.007	0.703351378
## 3889	0.420817494	4.700000e-10	minor	0.03157170	98.050	0.303153485
## 3890	0.792354405	9.900000e-11	major	0.03572025	104.834	0.522664666
## 3891	0.886118412	2.630000e-05	minor	0.04485282	97.992	0.660952985
## 3892	0.977836132	2.420000e-06	major	0.05841847	119.992	0.522423506
## 3893	0.850168884	4.810000e-05	major	0.04681025	145.983	0.671630681
## 3894	0.962420523	6.180000e-06	major	0.21537474	104.563	0.517993867
## 3895	0.783363819	8.460000e-12	major	0.21294470	140.047	0.435214639
## 3896	0.337672681	8.268899e-03	minor	0.06233694	119.978	0.218453929
## 3897	0.893976271	6.589538e-03	major	0.02653410	132.994	0.571671486
## 3898	0.694152594	2.027710e-04	minor	0.42929944	87.293	0.325096250
## 3899	0.739665747	8.940000e-09	major	0.03240893	176.967	0.441811740
## 3900	0.596517622	2.940000e-06	major	0.07636553	124.008	0.967055500
## 3901	0.708172739	9.059880e-01	major	0.05241020	144.137	0.044241142
## 3902	0.643359900	1.080000e-05	major	0.03431632	139.993	0.622451484
## 3903	0.393339425	7.040000e-10	major	0.02764450	142.657	0.355864674
## 3904	0.580252886	2.200000e-12	major	0.37846500	97.092	0.427841216

## 3905	0.596499205	1.230000e-11	major	0.23795600	150.008	0.145203426
## 3906	0.917215228	4.387024e-01	major	0.05562367	129.983	0.472406477
## 3907	0.518100858	4.143574e-01	major	0.02573630	90.004	0.118551917
## 3908	0.664519072	4.500000e-08	major	0.03369568	80.825	0.188539669
## 3909	0.779524803	1.030000e-10	major	0.40025035	137.063	0.601449251
## 3910	0.209888071	1.900000e-07	major	0.03798949	140.340	0.399700910
## 3911	0.582980633	2.410000e-09	major	0.11727668	90.019	0.335482121
## 3912	0.527963459	2.610421e-02	major	0.02886383	177.803	0.577434003
## 3913	0.483766854	3.120000e-11	major	0.38541475	58.274	0.638138652
## 3914	0.706260383	2.500000e-08	minor	0.05782999	145.110	0.219392434
## 3915	0.623439252	3.836160e-04	minor	0.07913137	124.023	0.420642406
## 3916	0.311367065	9.211148e-01	minor	0.03467841	105.088	0.239747986
## 3917	0.833262742	2.150000e-07	major	0.05752590	180.009	0.295923829
## 3918	0.532373428	3.900000e-05	major	0.03728001	140.067	0.255576253
## 3919	0.434472919	1.150000e-07	major	0.02761786	72.396	0.157476991
## 3920	0.511073530	4.696070e-04	minor	0.05340361	145.003	0.591504455
## 3921	0.843107641	1.035584e-01	major	0.27236292	97.691	0.432874471
## 3922	0.152252510	8.475326e-01	major	0.10077891	82.957	0.303495020
## 3923	0.750629067	6.450000e-08	major	0.02956353	118.384	0.612265706
## 3924	0.525870979	1.570000e-11	major	0.11104424	128.997	0.217294231
## 3925	0.868025661	4.700000e-07	minor	0.06955813	95.979	0.825253487
## 3926	0.553126454	1.610000e-05	major	0.02746947	88.017	0.566449821
## 3927	0.327310413	2.550000e-10	major	0.03881430	81.204	0.589428127
## 3928	0.811957300	4.380000e-06	major	0.18010129	129.981	0.494392574
## 3929	0.548166275	5.410000e-08	minor	0.07643096	106.996	0.175040811
## 3930	0.444217920	1.150000e-05	minor	0.02576132	134.021	0.377415121
## 3931	0.866942108	5.050000e-08	minor	0.04807094	117.925	0.469715953
## 3932	0.497226596	1.460000e-08	major	0.08060753	130.102	0.115908630
## 3933	0.431170851	7.830000e-05	minor	0.05595563	131.367	0.186564565
## 3934	0.107406110	4.541467e-03	minor	0.13042198	106.074	0.715492427
## 3935	0.761465013	2.600000e-05	major	0.05068140	78.435	0.719331503
## 3936	0.596781254	6.680000e-10	minor	0.09120490	110.010	0.219178304
## 3937	0.860068977	4.109420e-04	major	0.06033876	119.934	0.473416030
## 3938	0.907135189	4.331440e-04	major	0.05843754	99.170	0.473273158
## 3939	0.814954519	9.460000e-10	major	0.09043069	91.006	0.636783063
## 3940	0.865481675	2.210000e-08	major	0.05001876	124.031	0.427626610
## 3941	0.914222658	6.920000e-05	minor	0.31037298	74.969	0.527387142
## 3942	0.306647927	7.847118e-01	minor	0.15652016	117.631	0.316832721
## 3943	0.730411291	3.060000e-06	minor	0.05164401	115.007	0.739660025
## 3944	0.839353919	1.430000e-09	minor	0.09646977	135.115	0.189201713
## 3945	0.380105883	3.360000e-05	major	0.07107443	57.130	0.186594263
## 3946	0.704493761	1.660000e-08	major	0.26550734	82.018	0.404717445
## 3947	0.512978971	8.830661e-01	major	0.32168850	170.070	0.377016485
## 3948	0.661019921	8.137980e-01	minor	0.02833242	98.069	0.736395180
## 3949	0.667788923	2.200000e-08	major	0.07577294	114.003	0.341998994
## 3950	0.763397336	7.880000e-10	major	0.25546965	136.968	0.662857831
## 3951	0.632522404	8.090000e-09	major	0.03869876	140.129	0.198600978
## 3952	0.608506262	3.110000e-07	major	0.02513397	109.969	0.431918532
## 3953	0.559200585	5.670000e-07	major	0.17053382	139.757	0.816483319
## 3954	0.671777427	6.350000e-07	minor	0.05091157	139.007	0.258901179
## 3955	0.896826029	2.770000e-07	major	0.04349796	156.016	0.930521250
## 3956	0.198260799	6.888332e-01	minor	0.03432863	75.645	0.161337465
## 3957	0.510860503	3.150000e-08	minor	0.08095934	79.001	0.389091164
## 3958	0.336476922	2.741002e-03	major	0.02824359	183.345	0.392489970

## 3959	0.523562193	4.480000e-11	major	0.07937396	174.043	0.678597152
## 3960	0.946104586	7.680000e-07	minor	0.27692532	125.061	0.324437112
## 3961	0.391188502	1.270000e-08	major	0.02676075	104.947	0.831856728
## 3962	0.560013831	1.971286e-01	major	0.03544952	79.986	0.521499634
## 3963	0.514120936	8.500000e-05	minor	0.04649863	100.035	0.312350392
## 3964	0.203179628	9.258072e-01	minor	0.04912098	66.423	0.032932445
## 3965	0.772746563	3.860000e-10	minor	0.15273523	156.068	0.265998423
## 3966	0.614277601	2.589984e-03	major	0.03371607	124.993	0.173775643
## 3967	0.303095222	1.358069e-03	major	0.03055887	120.212	0.056991033
## 3968	0.607262731	4.590000e-06	minor	0.21252914	100.075	0.315605938
## 3969	0.660797000	4.080000e-06	major	0.03794504	177.935	0.470189273
## 3970	0.768738568	2.980000e-05	major	0.04311391	139.991	0.404029042
## 3971	0.414394855	5.824221e-01	major	0.02842802	129.980	0.073825367
## 3972	0.331804633	6.525265e-02	major	0.06377289	140.010	0.480207294
## 3973	0.786084294	2.210000e-07	major	0.04065908	94.004	0.721316338
## 3974	0.877037227	3.590000e-05	major	0.26867080	135.036	0.594615996
## 3975	0.703912199	1.530000e-09	major	0.14449902	127.093	0.723694086
## 3976	0.787111342	6.460000e-06	major	0.07338098	92.022	0.852472842
## 3977	0.486332983	1.762191e-03	major	0.04109205	106.270	0.261349797
## 3978	0.402126759	1.806020e-04	major	0.03464945	138.019	0.176757589
## 3979	0.130820915	9.292267e-01	minor	0.05191345	81.968	0.246547520
## 3980	0.415536642	1.310000e-05	major	0.23476781	121.504	0.479470164
## 3981	0.657403708	1.535190e-04	major	0.08398666	115.088	0.538001657
## 3982	0.621994734	1.320000e-11	major	0.07522727	80.842	0.368095309
## 3983	0.849028170	9.620000e-06	major	0.09471505	129.972	0.214941874
## 3984	0.473258346	3.057881e-01	minor	0.08824613	106.140	0.211982012
## 3985	0.476273865	2.397832e-01	major	0.08450767	143.964	0.236955717
## 3986	0.474551231	2.806959e-02	major	0.04709505	109.984	0.142739013
## 3987	0.601540208	2.110000e-05	minor	0.15861194	82.989	0.304663152
## 3988	0.851985514	1.180000e-07	major	0.04550167	122.419	0.249745712
## 3989	0.516069651	2.740000e-05	major	0.05235306	135.970	0.283408880
## 3990	0.277002603	3.130000e-09	major	0.03822575	137.106	0.284039587
## 3991	0.571716964	3.250000e-06	major	0.03399012	85.110	0.229089096
## 3992	0.517498851	7.230000e-09	major	0.19884598	175.860	0.961079359
## 3993	0.344512910	1.985480e-04	minor	0.02611608	79.019	0.458776802
## 3994	0.451930046	2.090000e-07	major	0.07378006	82.012	0.514331222
## 3995	0.776855588	2.620000e-05	minor	0.11331365	120.017	0.297736436
## 3996	0.639958143	1.350000e-05	major	0.03858617	80.006	0.374447018
## 3997	0.819459915	1.660000e-09	major	0.03998065	101.938	0.536582470
## 3998	0.628679395	1.600000e-05	minor	0.05632176	122.863	0.457387298
## 3999	0.567966700	7.993773e-01	minor	0.09034753	100.547	0.026340546
## 4000	0.708396435	2.770000e-10	major	0.12016185	156.068	0.337299585
## 4001	0.477891773	5.160000e-08	major	0.03539891	122.980	0.468987286
## 4002	0.547553539	2.710000e-08	major	0.16403021	149.012	0.265167743
## 4003	0.841416955	6.520000e-10	major	0.03281409	95.042	0.405402094
## 4004	0.650213361	7.430000e-05	major	0.26336050	123.106	0.486785710
## 4005	0.689275503	7.230000e-06	major	0.03476432	127.031	0.173364431
## 4006	0.447999001	3.500000e-05	major	0.09453416	129.989	0.564841807
## 4007	0.577159047	5.664420e-04	major	0.03744316	178.066	0.672700524
## 4008	0.958421767	1.480000e-06	major	0.08114354	166.087	0.418205976
## 4009	0.431037903	9.550000e-11	major	0.05541571	85.889	0.859956324
## 4010	0.880648792	3.250000e-06	major	0.05339242	115.614	0.713365674
## 4011	0.535077929	9.540000e-07	major	0.31446221	139.899	0.690637052
## 4012	0.400237292	3.468107e-02	major	0.21951152	139.986	0.342045099

## 4013	0.629945695	1.410000e-10	major	0.09844805	116.305	0.158231393
## 4014	0.520902693	2.610000e-10	minor	0.38546890	77.508	0.267931193
## 4015	0.625333428	8.991678e-01	major	0.04092939	180.042	0.128354564
## 4016	0.305765867	8.589016e-01	major	0.04293922	116.493	0.031591285
## 4017	0.863371670	1.120000e-08	minor	0.14069307	163.896	0.960740864
## 4018	0.595088243	8.660000e-09	major	0.03681326	128.447	0.486260176
## 4019	0.463655263	7.540000e-11	minor	0.22373241	78.100	0.868174076
## 4020	0.685460091	4.910000e-07	minor	0.04745905	104.999	0.473412693
## 4021	0.799516737	1.350000e-08	major	0.17358176	189.890	0.473569185
## 4022	0.645245850	2.830000e-11	minor	0.05877264	128.258	0.550305486
## 4023	0.371444434	1.376780e-01	major	0.08702792	103.174	0.707140923
## 4024	0.494887501	3.880000e-08	major	0.03291174	179.040	0.474821597
## 4025	0.493539065	1.830000e-07	major	0.04091347	111.979	0.175442263
## 4026	0.041524421	9.429296e-01	major	0.03728498	74.217	0.049709965
## 4027	0.328399032	1.850000e-07	major	0.03227964	122.883	0.392480880
## 4028	0.346643478	1.346836e-02	major	0.03359857	99.208	0.171331450
## 4029	0.704641402	1.790000e-09	major	0.03144206	80.962	0.930019438
## 4030	0.375748545	8.690000e-10	minor	0.03681971	131.907	0.850924015
## 4031	0.958947361	1.104358e-01	major	0.06552579	104.985	0.076325163
## 4032	0.517038763	8.372160e-01	major	0.06662396	75.016	0.170943320
## 4033	0.328297466	4.220000e-06	major	0.06803879	72.221	0.592501342
## 4034	0.713723958	1.210000e-06	minor	0.02469289	108.961	0.831808507
## 4035	0.837256730	7.130000e-07	major	0.03359865	104.912	0.941270769
## 4036	0.791467130	1.585810e-04	minor	0.04964544	122.064	0.342547506
## 4037	0.688093483	2.295291e-01	minor	0.03272717	119.990	0.503522515
## 4038	0.826018691	7.347640e-04	minor	0.07762891	117.099	0.215422809
## 4039	0.624444962	9.710000e-08	major	0.35072350	99.657	0.557901680
## 4040	0.611259341	1.235783e-03	major	0.04150177	112.127	0.694728374
## 4041	0.545735478	7.820000e-10	major	0.26220015	80.979	0.620500445
## 4042	0.487591147	8.950000e-06	major	0.32703993	139.892	0.665487647
## 4043	0.634052694	8.510000e-13	major	0.24677278	82.362	0.279041797
## 4044	0.668162882	8.630000e-11	major	0.08513378	74.985	0.483469248
## 4045	0.654569149	1.560000e-06	minor	0.03145201	158.757	0.461989790
## 4046	0.402021825	1.360000e-08	minor	0.11636571	96.890	0.297721088
## 4047	0.304539770	7.200000e-07	major	0.03902994	129.385	0.204586968
## 4048	0.529516280	1.370000e-13	minor	0.29205522	160.008	0.236987427
## 4049	0.533293128	1.519560e-04	minor	0.04115009	131.036	0.329256088
## 4050	0.533706546	4.750000e-10	minor	0.22989447	149.971	0.461325049
## 4051	0.552593172	3.480000e-08	major	0.02551905	96.257	0.422629923
## 4052	0.470385075	1.690000e-06	major	0.23575731	148.002	0.330795050
## 4053	0.782669663	1.510000e-09	major	0.07996753	103.205	0.382026821
## 4054	0.948865831	4.850000e-06	major	0.17381950	120.043	0.078301758
## 4055	0.470499218	1.910000e-06	major	0.02487705	153.899	0.569425464
## 4056	0.754580736	8.507522e-01	major	0.03896707	185.903	0.249683753
## 4057	0.612507105	4.490000e-05	minor	0.04207486	135.034	0.218304619
## 4058	0.599391639	1.977290e-03	major	0.22492079	165.212	0.349671632
## 4059	0.464930385	5.100000e-11	minor	0.26725757	183.925	0.655239284
## 4060	0.343454301	7.966998e-01	major	0.39889169	159.978	0.605386853
## 4061	0.740889609	2.170000e-05	major	0.04703695	122.449	0.930740476
## 4062	0.640708268	1.960000e-09	major	0.02719725	167.977	0.561757684
## 4063	0.510555685	2.820000e-09	major	0.03536918	139.885	0.665723562
## 4064	0.424758673	9.970000e-07	major	0.04356107	142.039	0.970649540
## 4065	0.537239432	3.480000e-07	minor	0.32846370	77.053	0.280712813
## 4066	0.593697965	5.600000e-07	major	0.07465055	135.002	0.408854514

## 4067	0.762691021	1.034560e-04	major	0.03490137	109.066	0.391478181
## 4068	0.585588574	2.990000e-11	major	0.05580670	92.961	0.641512871
## 4069	0.970277488	5.660000e-05	major	0.09654570	124.964	0.627568007
## 4070	0.813236594	2.637440e-04	major	0.05174074	121.909	0.247047812
## 4071	0.708897293	6.280000e-07	major	0.15123394	126.005	0.408593953
## 4072	0.443854541	3.120000e-05	major	0.33312753	180.027	0.343318671
## 4073	0.454266429	1.010000e-10	minor	0.30290496	93.892	0.286958247
## 4074	0.493289053	1.548519e-02	minor	0.04434120	105.537	0.527525485
## 4075	0.526262939	9.040000e-07	minor	0.12705563	125.014	0.419315577
## 4076	0.972472727	1.430000e-05	major	0.07187103	174.900	0.590673625
## 4077	0.671597838	4.910000e-08	minor	0.03794942	108.938	0.447977394
## 4078	0.541442156	1.420000e-09	major	0.31635031	129.974	0.372373611
## 4079	0.696498334	4.930000e-09	major	0.23568593	74.972	0.813915551
## 4080	0.432336926	9.707250e-04	major	0.03732928	120.015	0.763764143
## 4081	0.743196487	4.323054e-02	major	0.09787674	144.272	0.388367414
## 4082	0.728025615	3.820000e-10	minor	0.05387309	110.165	0.712588429
## 4083	0.559279919	9.530000e-05	major	0.03292327	137.002	0.426330894
## 4084	0.829440653	8.680000e-07	minor	0.09150752	109.987	0.133229598
## 4085	0.841341019	8.500000e-06	major	0.03933521	120.893	0.174172610
## 4086	0.549605548	8.389539e-01	minor	0.17067407	128.018	0.615345299
## 4087	0.846763790	8.410000e-09	minor	0.06762353	129.720	0.368030846
## 4088	0.684312046	1.830000e-05	major	0.35727289	200.038	0.283659130
## 4089	0.919053972	2.720000e-10	major	0.06638593	156.219	0.601238966
## 4090	0.556655407	6.050000e-05	major	0.29367685	90.954	0.692446232
## 4091	0.506323040	4.190142e-03	minor	0.03375023	127.967	0.080688864
## 4092	0.359787762	6.950000e-08	major	0.22093070	144.060	0.520462871
## 4093	0.278080553	1.480000e-05	major	0.02920104	129.661	0.373975337
## 4094	0.683375299	1.256256e-02	major	0.07558734	149.986	0.472601622
## 4095	0.832964301	1.327660e-04	minor	0.04998900	122.034	0.206356913
## 4096	0.641246736	2.906516e-02	minor	0.04323002	135.909	0.353449225
## 4097	0.774282813	6.140000e-10	major	0.07879942	100.018	0.581511140
## 4098	0.479017884	6.850000e-10	minor	0.07055695	156.021	0.450812519
## 4099	0.796895742	4.888318e-03	major	0.04119256	110.034	0.351065725
## 4100	0.593305469	1.668260e-02	major	0.02675377	79.930	0.597341359
## 4101	0.725869775	7.566640e-01	major	0.03300252	94.997	0.184487894
## 4102	0.206013203	1.649272e-02	major	0.03381728	121.484	0.150958508
## 4103	0.649217725	1.220000e-12	minor	0.14515495	160.003	0.482151687
## 4104	0.621020079	8.750000e-10	minor	0.23270997	160.141	0.704908609
## 4105	0.482569575	8.070000e-13	major	0.12965827	140.109	0.054752819
## 4106	0.963605165	1.430000e-05	minor	0.06264722	171.910	0.501740038
## 4107	0.915664792	1.670000e-08	major	0.06889158	114.994	0.870589554
## 4108	0.515027165	8.950000e-09	major	0.03607472	147.685	0.606711328
## 4109	0.756656349	7.410000e-07	major	0.04103011	124.899	0.516275764
## 4110	0.566003799	1.326220e-01	major	0.04454486	159.992	0.877684832
## 4111	0.948571324	1.773814e-03	major	0.06086199	124.166	0.614175975
## 4112	0.783603847	4.240000e-05	major	0.03979719	100.995	0.445428342
## 4113	0.309235543	7.340000e-11	minor	0.11962123	94.069	0.503554642
## 4114	0.812747061	9.860000e-12	major	0.46042371	94.849	0.552559257
## 4115	0.666928172	6.840000e-07	major	0.04188277	114.004	0.178140581
## 4116	0.656261325	9.490000e-08	minor	0.04179045	120.013	0.757929921
## 4117	0.698805392	6.410000e-08	major	0.07325126	120.002	0.873859704
## 4118	0.797504127	4.590000e-06	major	0.03372711	140.023	0.700033605
## 4119	0.874374270	2.450000e-06	major	0.03221113	83.969	0.694177926
## 4120	0.658500135	1.010000e-09	minor	0.30267391	117.888	0.445223480

## 4121	0.320491612	4.210000e-08	major	0.02648823	113.817	0.345842510
## 4122	0.706958532	7.050000e-10	major	0.02947039	96.032	0.269477993
## 4123	0.383372486	3.790000e-11	minor	0.03308602	71.376	0.209437504
## 4124	0.384770781	4.160000e-06	major	0.25206846	109.983	0.296382219
## 4125	0.599011779	5.840000e-05	major	0.04867744	123.870	0.949107945
## 4126	0.843808770	8.314690e-04	major	0.05975657	135.022	0.592773616
## 4127	0.656623840	1.194981e-02	major	0.03851744	123.013	0.360391110
## 4128	0.476434261	9.819189e-01	major	0.06089488	82.734	0.004485247
## 4129	0.594478786	3.350000e-10	minor	0.28207737	130.104	0.255138248
## 4130	0.718069434	7.440000e-07	major	0.02930384	100.934	0.537165642
## 4131	0.150694937	1.670000e-09	major	0.03538080	94.922	0.230166048
## 4132	0.742362857	1.870000e-09	major	0.20966072	150.076	0.210064143
## 4133	0.738067269	3.307187e-01	major	0.07898891	161.533	0.962519109
## 4134	0.403910667	1.759480e-04	major	0.10492892	119.726	0.147622854
## 4135	0.559129357	8.520000e-11	major	0.33099493	150.011	0.277647674
## 4136	0.572778106	1.486817e-02	major	0.25285327	99.919	0.331628412
## 4137	0.657723129	1.070000e-07	major	0.28665525	200.029	0.595465958
## 4138	0.872327209	8.670000e-09	major	0.05009049	105.010	0.749978840
## 4139	0.590690494	1.200000e-06	major	0.26892188	160.115	0.394532382
## 4140	0.188112155	2.830000e-06	major	0.08832516	130.022	0.204968750
## 4141	0.392632246	3.900000e-07	major	0.02807711	120.111	0.548015296
## 4142	0.572231710	8.437684e-01	major	0.04906317	128.008	0.118972614
## 4143	0.707154214	8.970000e-09	major	0.03759551	148.114	0.418700725
## 4144	0.822290599	1.240000e-05	minor	0.08600260	129.769	0.390998214
## 4145	0.302632451	4.618426e-03	minor	0.27101883	135.965	0.274195760
## 4146	0.386344016	7.364037e-01	major	0.07510079	141.044	0.115533486
## 4147	0.524129272	1.920000e-09	minor	0.19231723	80.538	0.891377270
## 4148	0.112987638	3.932950e-04	major	0.95355171	81.311	0.312843174
## 4149	0.774589360	4.461274e-03	major	0.07981476	159.830	0.360778540
## 4150	0.925373793	1.404267e-01	major	0.05697036	127.958	0.243798465
## 4151	0.623440623	4.560000e-11	major	0.05644105	173.778	0.784790695
## 4152	0.831194758	1.610000e-08	major	0.11315662	101.944	0.756050050
## 4153	0.567891598	1.141630e-04	major	0.02410535	94.996	0.485879034
## 4154	0.728603244	7.560000e-09	minor	0.33342901	134.040	0.769119561
## 4155	0.422653019	4.351525e-02	major	0.42767215	127.885	0.130431846
## 4156	0.453789979	1.462983e-03	major	0.03046809	124.899	0.298096538
## 4157	0.440847218	1.600000e-08	minor	0.10658065	72.549	0.484467566
## 4158	0.963295043	2.400000e-06	major	0.13331612	115.029	0.632195473
## 4159	0.495016873	7.410000e-12	major	0.11226767	84.052	0.128292829
## 4160	0.476173550	7.540000e-07	major	0.04000320	63.000	0.549867630
## 4161	0.664187551	1.790000e-08	major	0.03010393	150.069	0.191654354
## 4162	0.292775124	5.630000e-06	minor	0.02844571	103.869	0.586203873
## 4163	0.396281689	2.260000e-10	minor	0.28796965	130.021	0.274557114
## 4164	0.569566131	1.910000e-09	major	0.36520734	148.119	0.411741614
## 4165	0.727868497	4.710000e-10	major	0.46542043	152.088	0.598952353
## 4166	0.334759206	2.350000e-05	minor	0.03295329	79.165	0.062053923
## 4167	0.910694838	6.593870e-04	major	0.04386227	152.043	0.942214191
## 4168	0.481116802	1.460769e-03	major	0.09621523	138.120	0.338669479
## 4169	0.623792708	2.863900e-04	major	0.03674296	108.022	0.091670051
## 4170	0.604391634	4.944467e-03	major	0.34102458	125.550	0.440016419
## 4171	0.649550378	7.242239e-03	major	0.05435332	114.038	0.964278638
## 4172	0.386540234	4.579280e-04	major	0.09703769	96.453	0.136138648
## 4173	0.588925064	3.578507e-03	major	0.05635078	155.056	0.338293016
## 4174	0.260576189	1.140000e-13	major	0.19385780	120.205	0.651372075

## 4175	0.349785596	4.200000e-08	major	0.05716310	91.250	0.458170265
## 4176	0.533200264	5.930000e-11	major	0.26743349	131.938	0.598028302
## 4177	0.502381265	1.330000e-05	major	0.04637743	119.987	0.486327916
## 4178	0.741647542	2.920000e-10	major	0.21082838	104.937	0.580986321
## 4179	0.768351972	5.330000e-10	minor	0.05871915	142.022	0.526177347
## 4180	0.441991925	2.260000e-07	minor	0.15469706	99.982	0.793993175
## 4181	0.949209809	3.280000e-07	major	0.04605051	159.985	0.797206938
## 4182	0.707267702	9.163975e-03	major	0.03668284	132.048	0.422124445
## 4183	0.508877039	1.933450e-04	major	0.03308100	81.613	0.337613702
## 4184	0.367968798	4.250000e-12	minor	0.07929134	101.549	0.348705649
## 4185	0.778419793	6.290000e-08	minor	0.05229374	116.052	0.287475735
## 4186	0.642670870	2.170000e-07	major	0.11250074	114.979	0.293241739
## 4187	0.725232542	2.783210e-03	minor	0.03207983	105.961	0.446548760
## 4188	0.726940513	9.350000e-06	minor	0.09844585	74.827	0.423831642
## 4189	0.764472485	4.560000e-11	major	0.04097307	148.958	0.242470294
## 4190	0.672323883	4.740000e-09	minor	0.05729451	80.035	0.791636705
## 4191	0.023103662	8.528295e-01	minor	0.04227213	117.583	0.346575588
## 4192	0.915550947	2.068826e-03	major	0.02904447	114.999	0.716122985
## 4193	0.396876603	8.740000e-14	major	0.10784840	114.577	0.563758850
## 4194	0.248308301	2.454560e-04	major	0.89902401	72.981	0.955983877
## 4195	0.136834651	7.900000e-06	major	0.03534136	160.441	0.325820923
## 4196	0.793868482	3.385044e-01	major	0.07082745	108.306	0.960527539
## 4197	0.788606822	5.326060e-01	major	0.03109318	115.970	0.576411903
## 4198	0.533148170	3.510000e-08	major	0.03238457	159.907	0.531101227
## 4199	0.546296299	8.820000e-10	major	0.20373100	169.994	0.293600738
## 4200	0.549468815	7.918157e-01	major	0.07055753	120.004	0.524293303
## 4201	0.404805213	2.110961e-01	major	0.08518270	157.090	0.127020419
## 4202	0.669090748	1.240000e-05	major	0.03818376	126.561	0.887276232
## 4203	0.868247509	1.874401e-03	major	0.15342869	115.979	0.632046163
## 4204	0.947738230	2.254280e-03	major	0.05546385	139.022	0.157484829
## 4205	0.445331156	1.920000e-05	major	0.03290542	147.509	0.089772165
## 4206	0.732900202	9.180000e-05	minor	0.05913480	139.990	0.434822649
## 4207	0.627171099	3.120000e-06	major	0.03339301	148.046	0.065595858
## 4208	0.679543436	7.550000e-14	major	0.08661566	130.054	0.349843442
## 4209	0.822454274	1.343088e-01	major	0.04378698	167.997	0.287650257
## 4210	0.702337325	2.290000e-09	minor	0.03336275	135.104	0.515743494
## 4211	0.582285047	3.640000e-09	major	0.04876436	143.017	0.153243423
## 4212	0.399034917	1.196532e-02	major	0.03171932	101.209	0.274667323
## 4213	0.523653626	3.090000e-11	major	0.63918614	155.896	0.098013297
## 4214	0.339116901	7.710000e-07	major	0.03805609	110.063	0.352555722
## 4215	0.687885702	4.150000e-07	major	0.04239152	144.967	0.972528815
## 4216	0.149278089	3.220000e-07	major	0.05999665	160.476	0.295054436
## 4217	0.462925911	4.980000e-07	major	0.09276687	119.851	0.432178110
## 4218	0.438111275	1.120000e-06	minor	0.23395298	83.992	0.373295248
## 4219	0.465849221	4.350000e-08	major	0.06427755	129.921	0.438080341
## 4220	0.651647210	8.890000e-05	major	0.03455753	156.040	0.119304709
## 4221	0.686922550	2.973540e-04	major	0.08628875	168.127	0.299312115
## 4222	0.902888358	1.670000e-09	major	0.09776044	97.997	0.789818585
## 4223	0.483156323	1.620000e-08	major	0.08822618	210.048	0.475886196
## 4224	0.777860641	4.140000e-09	major	0.05011704	118.117	0.699115574
## 4225	0.408026844	8.073621e-01	major	0.05424069	122.986	0.207741678
## 4226	0.538884163	9.100000e-05	major	0.11373570	154.033	0.556345165
## 4227	0.613902926	4.330000e-08	major	0.10193626	120.045	0.594860137
## 4228	0.526575685	6.290000e-05	minor	0.08270619	128.026	0.378313303

## 4229	0.039856266	9.065307e-01	minor	0.04614176	93.576	0.037216254
## 4230	0.396807671	9.760000e-09	major	0.02971880	135.963	0.436341524
## 4231	0.632017136	6.100000e-07	major	0.02912150	75.964	0.548896492
## 4232	0.253567785	3.350000e-05	major	0.04247682	82.883	0.270562202
## 4233	0.795060813	3.131972e-02	minor	0.04852671	75.015	0.396347106
## 4234	0.454441190	1.700000e-08	major	0.09501991	94.905	0.519036353
## 4235	0.649378359	6.199370e-04	major	0.07638392	159.986	0.669751883
## 4236	0.700984597	7.110000e-07	minor	0.07525465	175.014	0.147396073
## 4237	0.857721031	1.330000e-12	minor	0.36390036	80.352	0.869216621
## 4238	0.260307103	5.640000e-11	major	0.02843541	97.928	0.343206882
## 4239	0.430128813	1.051291e-02	major	0.40674353	157.925	0.322114587
## 4240	0.731244266	3.270000e-10	major	0.49579638	83.422	0.941048384
## 4241	0.407725126	9.979570e-04	major	0.08387991	97.963	0.150428191
## 4242	0.642982662	1.111690e-04	major	0.03463385	104.912	0.349416941
## 4243	0.692544639	2.590000e-12	major	0.23926638	87.245	0.564638615
## 4244	0.364295304	8.580000e-05	major	0.03484665	111.933	0.246012926
## 4245	0.236623406	6.210000e-09	major	0.03889098	95.871	0.327849597
## 4246	0.729747176	1.911499e-03	major	0.05791998	113.900	0.516282618
## 4247	0.733724535	3.480000e-06	major	0.03807621	138.455	0.046842750
## 4248	0.895725727	5.680000e-06	major	0.06574001	121.185	0.838824332
## 4249	0.623551726	1.690000e-08	minor	0.15603301	100.575	0.703225315
## 4250	0.483139813	5.568293e-01	major	0.03587481	96.029	0.131714553
## 4251	0.359210730	2.283232e-03	major	0.03244000	119.907	0.069884829
## 4252	0.666272700	1.290000e-06	minor	0.29003218	142.063	0.493704289
## 4253	0.332227111	1.445656e-02	major	0.03545494	59.957	0.063552737
## 4254	0.470221251	7.320000e-08	minor	0.06107120	89.945	0.164234489
## 4255	0.777383685	1.650024e-02	major	0.03692803	114.867	0.571840465
## 4256	0.661424220	7.560000e-09	major	0.03748322	107.016	0.505858958
## 4257	0.666004777	2.330000e-07	major	0.20710415	133.062	0.509551823
## 4258	0.805596709	4.990000e-08	major	0.03977449	117.950	0.814573348
## 4259	0.822696865	2.480000e-05	major	0.04213382	112.383	0.740581453
## 4260	0.744287908	2.490000e-12	major	0.14335428	105.029	0.383297652
## 4261	0.831709564	1.268072e-01	minor	0.06888312	122.029	0.667077839
## 4262	0.838678062	4.517255e-03	major	0.06861839	120.054	0.547415555
## 4263	0.396586388	1.080000e-08	major	0.12046542	70.129	0.251095235
## 4264	0.743716955	4.840000e-10	major	0.03511844	108.059	0.751357496
## 4265	0.737314641	7.120000e-10	major	0.07207590	95.984	0.652060032
## 4266	0.982867837	4.320000e-05	minor	0.17387782	161.992	0.393894345
## 4267	0.906539917	4.384988e-03	major	0.07162489	120.047	0.257800609
## 4268	0.535612404	1.410000e-08	minor	0.33432561	118.892	0.386102349
## 4269	0.482517362	1.380000e-08	major	0.15454273	112.635	0.147871450
## 4270	0.905393839	1.460000e-07	minor	0.04711113	124.947	0.944912910
## 4271	0.433882743	1.310000e-07	major	0.05294720	113.052	0.485326171
## 4272	0.651035011	1.020000e-06	major	0.24156335	120.106	0.175721437
## 4273	0.315425545	9.880000e-07	minor	0.03575154	119.651	0.337603718
## 4274	0.690393507	3.510000e-08	minor	0.04769180	131.972	0.433463097
## 4275	0.818728745	5.610000e-05	minor	0.03044003	124.010	0.529026031
## 4276	0.650174856	1.330000e-08	major	0.03654179	150.265	0.960476518
## 4277	0.756769598	6.631630e-04	major	0.08678338	121.072	0.964381933
## 4278	0.649955392	3.270000e-09	minor	0.22688669	159.994	0.520902634
## 4279	0.601882577	2.485090e-04	major	0.14855662	94.056	0.554637372
## 4280	0.723231256	5.800000e-07	major	0.14915612	110.628	0.555189669
## 4281	0.785568893	9.420000e-08	major	0.05120231	100.932	0.513655663
## 4282	0.560282707	9.025090e-01	major	0.03848260	122.020	0.412769347

## 4283	0.714196622	4.750000e-11	major	0.05618452	112.029	0.623837173
## 4284	0.121261269	7.215703e-03	major	0.04050638	140.611	0.348246068
## 4285	0.771491289	1.270000e-10	major	0.31607667	140.042	0.728871703
## 4286	0.483044535	1.010000e-09	major	0.13191974	139.921	0.616801739
## 4287	0.374386847	1.703550e-04	major	0.03845108	144.098	0.546667039
## 4288	0.652153373	1.230000e-08	major	0.07703465	169.920	0.792137206
## 4289	0.136734188	7.711796e-01	major	0.04150066	84.532	0.032406271
## 4290	0.323339731	1.080000e-09	major	0.33019587	140.199	0.466582239
## 4291	0.247699574	9.040000e-09	minor	0.25968850	111.867	0.173189014
## 4292	0.028460763	9.606494e-01	minor	0.06245876	72.970	0.291884065
## 4293	0.204005376	7.208860e-04	major	0.03064231	74.010	0.160916790
## 4294	0.786123395	1.265174e-03	minor	0.03866183	120.174	0.111240841
## 4295	0.338395000	5.030209e-03	major	0.04150955	119.987	0.072295755
## 4296	0.671646476	4.450000e-10	major	0.04574593	97.992	0.341542721
## 4297	0.588847041	1.010000e-09	major	0.03196238	139.700	0.238007799
## 4298	0.391206384	4.130000e-06	minor	0.24249111	134.021	0.437432528
## 4299	0.739133120	4.170000e-06	minor	0.07084433	129.998	0.830044866
## 4300	0.540348709	2.150000e-05	minor	0.04785608	123.025	0.214728326
## 4301	0.915774941	9.680000e-06	major	0.05760205	150.088	0.463724613
## 4302	0.613594890	6.030000e-11	major	0.36280462	88.002	0.400034696
## 4303	0.604216158	2.930000e-06	minor	0.07783471	120.004	0.774509668
## 4304	0.794295192	1.520000e-05	major	0.16117618	203.712	0.799361765
## 4305	0.698212206	5.355257e-03	major	0.03865317	78.856	0.399488747
## 4306	0.865409076	4.486360e-04	major	0.03016275	116.046	0.610085368
## 4307	0.863992929	1.170760e-04	major	0.04357510	156.026	0.522709131
## 4308	0.661377966	8.730000e-05	minor	0.02634968	100.999	0.201868787
## 4309	0.738507926	2.343430e-04	major	0.02738049	84.467	0.874982119
## 4310	0.417691201	8.996264e-01	major	0.04168012	135.005	0.314174682
## 4311	0.769223690	9.750000e-07	major	0.03290472	156.074	0.435140222
## 4312	0.667777181	3.090000e-08	major	0.05937482	122.015	0.228736997
## 4313	0.512501597	1.790582e-03	major	0.06567930	112.466	0.977800786
## 4314	0.379135519	1.520000e-06	major	0.06327543	156.796	0.922141135
## 4315	0.212153539	3.486780e-04	minor	0.06527457	118.543	0.184565142
## 4316	0.546018600	2.990000e-05	minor	0.03150301	114.117	0.452125221
## 4317	0.624036849	2.608187e-02	major	0.07723910	119.076	0.201532319
## 4318	0.328167617	4.010000e-05	major	0.03459459	121.109	0.074308023
## 4319	0.733686209	4.092604e-03	major	0.05238305	107.369	0.223073930
## 4320	0.503395975	1.130000e-07	minor	0.23709568	110.134	0.473302156
## 4321	0.605463147	1.190000e-11	minor	0.05787762	128.162	0.424624205
## 4322	0.832376182	1.240000e-05	major	0.04953909	155.034	0.605050266
## 4323	0.389697373	5.820000e-06	major	0.06196537	141.953	0.380541146
## 4324	0.573685884	7.650000e-08	minor	0.08623371	135.958	0.489338964
## 4325	0.412790388	1.700000e-11	major	0.23600970	99.923	0.510124207
## 4326	0.687638402	6.100000e-09	major	0.12362570	77.934	0.422006190
## 4327	0.538021743	1.260000e-10	major	0.28793943	109.943	0.317611098
## 4328	0.503312886	2.490000e-09	major	0.06674368	99.916	0.356024653
## 4329	0.327428520	1.233271e-01	major	0.05108795	139.728	0.133105695
## 4330	0.667091727	7.381106e-03	minor	0.06615061	84.563	0.536713362
## 4331	0.566422939	5.840000e-10	major	0.40578923	110.048	0.483474791
## 4332	0.343639255	3.420000e-05	major	0.17886990	74.503	0.295563519
## 4333	0.908641160	8.424851e-01	minor	0.03730022	128.189	0.470478922
## 4334	0.885874093	1.851491e-03	major	0.18800153	86.004	0.939297855
## 4335	0.385245562	2.760000e-10	major	0.02877320	89.792	0.235914737
## 4336	0.615955472	9.560000e-08	major	0.29143983	130.000	0.489218563

## 4337	0.653642058	3.350000e-05	major	0.06105655	91.756	0.649508178
## 4338	0.712193489	2.730000e-10	minor	0.24438623	92.973	0.646501720
## 4339	0.466749460	6.320000e-07	major	0.44998789	132.054	0.307224780
## 4340	0.389045864	5.810000e-06	major	0.09240288	81.981	0.576954544
## 4341	0.586560428	4.690000e-09	major	0.28442892	150.019	0.649742067
## 4342	0.576996088	3.300000e-12	major	0.10063068	139.966	0.341477394
## 4343	0.661555767	9.040000e-07	major	0.04770964	82.518	0.635117233
## 4344	0.376678050	3.330000e-09	major	0.08463558	163.849	0.735294044
## 4345	0.968174994	3.573968e-01	major	0.06810281	83.007	0.411881417
## 4346	0.610452116	9.000000e-07	major	0.30526248	90.034	0.296647996
## 4347	0.757579267	3.430000e-07	major	0.02710393	196.021	0.821326077
## 4348	0.941943288	8.420000e-06	major	0.06392500	141.990	0.815973103
## 4349	0.714861155	5.240000e-08	major	0.07104319	101.029	0.440926105
## 4350	0.499868274	5.190000e-08	major	0.29559600	140.067	0.552539647
## 4351	0.307514161	2.830000e-08	major	0.02816205	71.408	0.285274476
## 4352	0.311917901	1.370000e-11	minor	0.28912684	70.209	0.523064911
## 4353	0.682569623	8.660000e-09	major	0.09541349	140.002	0.455731153
## 4354	0.274587691	1.300000e-08	major	0.39678928	120.040	0.390137672
## 4355	0.872200131	3.980000e-06	minor	0.04510029	177.019	0.413195431
## 4356	0.495658904	2.580000e-12	major	0.29701438	141.979	0.151761800
## 4357	0.513129473	9.420000e-09	major	0.08757739	91.004	0.470801383
## 4358	0.469304055	4.910000e-07	major	0.05333087	120.085	0.085112810
## 4359	0.893304944	6.190000e-05	major	0.09417666	159.085	0.316449136
## 4360	0.391048610	4.700000e-09	major	0.17773339	93.963	0.361805707
## 4361	0.436756641	2.180000e-05	major	0.05197945	124.852	0.149713174
## 4362	0.277415425	5.980000e-07	major	0.06349386	77.759	0.260017753
## 4363	0.602742493	5.920000e-06	minor	0.26866147	90.227	0.478710830
## 4364	0.605369806	1.030000e-06	major	0.08958688	133.920	0.344082981
## 4365	0.575470448	4.633460e-04	minor	0.18432420	96.827	0.346554637
## 4366	0.495680988	9.780000e-11	major	0.04448071	117.052	0.459152728
## 4367	0.900581241	5.024663e-01	major	0.04843211	136.676	0.599010348
## 4368	0.716695726	6.238560e-04	major	0.06158338	141.996	0.827388644
## 4369	0.443543553	5.460000e-06	major	0.04169867	139.775	0.318744600
## 4370	0.721861780	2.057551e-02	major	0.05010811	145.003	0.862326503
## 4371	0.779343069	1.880000e-09	minor	0.31148174	140.043	0.476396859
## 4372	0.554248512	3.750000e-11	major	0.09412123	109.107	0.698388159
## 4373	0.439608663	2.490000e-09	major	0.10606268	75.276	0.379564911
## 4374	0.437557131	1.780000e-06	major	0.03250777	80.060	0.514902472
## 4375	0.666533470	1.930000e-07	minor	0.05342419	138.048	0.495529413
## 4376	0.850624681	2.156295e-02	major	0.08008821	158.740	0.463029057
## 4377	0.796751082	2.840000e-08	minor	0.56611908	169.694	0.364061296
## 4378	0.609524488	5.948910e-04	major	0.06219862	99.980	0.403021693
## 4379	0.725333393	2.240000e-07	minor	0.22735660	120.102	0.357894659
## 4380	0.515369296	2.300000e-10	major	0.09839536	75.040	0.646756232
## 4381	0.822960854	7.981987e-01	major	0.03277555	110.438	0.754499614
## 4382	0.513156235	8.198638e-02	major	0.07643096	75.969	0.621588528
## 4383	0.324047834	9.290000e-05	major	0.05010463	140.048	0.480969042
## 4384	0.109303191	5.485544e-01	minor	0.09963211	134.067	0.545681953
## 4385	0.551089168	1.620000e-13	major	0.13947198	141.024	0.266969323
## 4386	0.915025353	3.220000e-07	major	0.03997120	101.937	0.356050909
## 4387	0.376734316	3.050000e-05	major	0.12731907	108.985	0.597558022
## 4388	0.610973954	4.510000e-05	major	0.03750762	99.987	0.377138764
## 4389	0.742096543	2.470000e-05	major	0.03472279	106.971	0.322167963
## 4390	0.667658806	1.180000e-07	major	0.22357114	130.210	0.287633210

## 4391	0.907723308	7.410000e-08	major	0.05608721	107.016	0.446975857
## 4392	0.347380042	3.460000e-06	major	0.21558298	59.902	0.318792939
## 4393	0.756988764	6.900000e-11	major	0.10420129	88.044	0.493494391
## 4394	0.495703548	2.290000e-08	major	0.16165528	147.063	0.646087468
## 4395	0.371862680	9.315819e-01	major	0.03940490	75.017	0.318318576
## 4396	0.598148584	2.470000e-12	major	0.19256501	139.984	0.134785831
## 4397	0.818986356	3.215244e-01	minor	0.05876277	101.992	0.527965128
## 4398	0.665544569	2.400000e-09	minor	0.16344218	159.946	0.684562981
## 4399	0.631875634	2.620000e-06	major	0.38465980	139.892	0.343980223
## 4400	0.497254074	3.368890e-04	minor	0.25313830	145.067	0.316957265
## 4401	0.792355895	4.910000e-08	major	0.14100708	107.985	0.725139558
## 4402	0.326646835	1.220000e-06	major	0.06250530	68.974	0.291145265
## 4403	0.531820059	6.140000e-07	major	0.07441106	140.023	0.592387021
## 4404	0.652706087	4.572451e-03	major	0.40713069	85.486	0.360543251
## 4405	0.559755147	8.685781e-01	major	0.14911696	170.972	0.057213154
## 4406	0.417528510	4.850000e-08	major	0.02577491	156.076	0.272456497
## 4407	0.570330322	2.440000e-05	major	0.02796882	102.583	0.940622151
## 4408	0.553268313	2.328510e-04	major	0.07352469	121.968	0.308004081
## 4409	0.594863594	6.480000e-06	major	0.11186998	183.736	0.333695829
## 4410	0.328760445	4.527620e-04	major	0.04347045	90.005	0.314813107
## 4411	0.722387195	2.010600e-04	major	0.07101516	129.927	0.229494631
## 4412	0.645432293	9.410000e-07	minor	0.06577694	79.023	0.196413711
## 4413	0.546842873	2.510000e-06	major	0.26234570	149.540	0.064109355
## 4414	0.852313340	3.460000e-10	major	0.05739377	184.212	0.838553786
## 4415	0.185223415	9.172583e-01	minor	0.17834249	78.047	0.765057027
## 4416	0.984955490	3.310000e-05	major	0.15265690	150.059	0.393996716
## 4417	0.370922774	3.600000e-09	major	0.02946974	130.573	0.189259246
## 4418	0.893177867	7.534170e-04	minor	0.03961322	96.730	0.892365515
## 4419	0.681066334	4.620855e-02	major	0.03330367	139.993	0.783419073
## 4420	0.594830096	1.270000e-08	minor	0.32816860	89.995	0.241469800
## 4421	0.776614130	4.700118e-03	minor	0.06818792	159.856	0.612218738
## 4422	0.387898296	1.130000e-08	major	0.28242832	75.010	0.294218272
## 4423	0.837466359	4.400430e-04	major	0.04613793	111.715	0.516229808
## 4424	0.898269236	1.290000e-07	major	0.09205522	183.918	0.880578399
## 4425	0.645178199	5.860000e-10	major	0.05300621	83.032	0.300756663
## 4426	0.681486964	2.670000e-05	major	0.07302582	97.716	0.555336237
## 4427	0.468097687	9.780000e-06	minor	0.03426166	150.572	0.039975815
## 4428	0.766725600	1.520000e-08	major	0.04737347	130.458	0.964656949
## 4429	0.518585563	5.991258e-03	major	0.02741492	151.267	0.383386314
## 4430	0.702355385	2.126280e-04	major	0.13886523	110.579	0.103569448
## 4431	0.121815741	8.166649e-01	major	0.15436472	105.932	0.347584248
## 4432	0.849705040	5.290000e-06	major	0.03805482	120.007	0.514312327
## 4433	0.751903474	1.430000e-11	major	0.27476093	130.036	0.384096056
## 4434	0.652504683	9.201380e-04	minor	0.03933856	95.003	0.415508479
## 4435	0.494270176	2.150000e-06	major	0.09947178	132.037	0.231020987
## 4436	0.839825451	5.216593e-02	minor	0.03372521	176.784	0.243659556
## 4437	0.671764612	4.050000e-11	major	0.08509566	147.977	0.244856998
## 4438	0.619114399	2.200000e-09	minor	0.04853672	139.954	0.316159874
## 4439	0.762225688	6.020000e-09	minor	0.24572018	101.905	0.581180751
## 4440	0.432150960	1.230000e-06	major	0.09100939	135.047	0.155234173
## 4441	0.957120359	8.508179e-01	major	0.03069154	140.057	0.871999502
## 4442	0.357115269	7.139797e-02	minor	0.16091937	79.961	0.347025394
## 4443	0.674976826	5.350000e-08	major	0.04509483	139.926	0.119156919
## 4444	0.562451780	1.640000e-05	minor	0.04032226	81.884	0.230250031

## 4445	0.483805358	3.800000e-12	major	0.35556975	139.999	0.542728305
## 4446	0.555544734	3.500000e-10	minor	0.34561351	140.039	0.422420472
## 4447	0.908800721	3.510000e-05	major	0.13366342	94.025	0.297051936
## 4448	0.853706002	1.854681e-02	major	0.05836053	107.977	0.317692041
## 4449	0.460442096	2.410000e-08	major	0.35185850	106.974	0.477488846
## 4450	0.559049308	3.110000e-12	major	0.26685682	94.391	0.730694830
## 4451	0.513649523	4.040000e-07	major	0.28294283	88.784	0.815686226
## 4452	0.314373970	1.120000e-07	major	0.03149904	139.466	0.090374522
## 4453	0.952256441	3.330000e-05	major	0.11818612	140.003	0.327341825
## 4454	0.580516398	5.330000e-07	major	0.03164891	81.039	0.209347770
## 4455	0.947116494	8.489170e-04	major	0.34218168	109.968	0.159551486
## 4456	0.667564631	6.680000e-05	major	0.03523487	74.059	0.503121436
## 4457	0.538734078	2.830000e-08	major	0.09257427	124.921	0.644707918
## 4458	0.682965219	6.650000e-10	major	0.19615740	158.026	0.416788042
## 4459	0.606221318	1.032361e-03	minor	0.06028135	96.006	0.371416122
## 4460	0.305945814	2.690000e-07	major	0.04087296	203.729	0.223550752
## 4461	0.691023707	1.100000e-05	minor	0.19647191	160.024	0.283769101
## 4462	0.647457600	3.274580e-04	major	0.03074371	105.973	0.136432305
## 4463	0.626786649	6.318052e-02	major	0.03062987	89.012	0.535465062
## 4464	0.507107973	1.137020e-04	minor	0.02814465	126.988	0.130908519
## 4465	0.509350300	4.628207e-01	major	0.03913813	113.995	0.648449063
## 4466	0.110574409	1.360000e-09	major	0.15791640	75.348	0.339327306
## 4467	0.939000964	1.890000e-07	major	0.20002560	111.008	0.633774221
## 4468	0.274995893	6.580000e-06	major	0.16081066	76.683	0.257565796
## 4469	0.048727021	8.944019e-01	major	0.04361867	65.147	0.077491723
## 4470	0.456647575	7.343457e-01	minor	0.21814732	82.369	0.036669947
## 4471	0.683932364	1.250000e-08	major	0.03271721	149.925	0.849553585
## 4472	0.519742191	2.240000e-07	major	0.03202676	106.802	0.183346927
## 4473	0.713319123	2.980000e-06	major	0.02903535	90.070	0.685122848
## 4474	0.913560331	4.520000e-05	minor	0.04078504	112.035	0.891802967
## 4475	0.608627498	2.634357e-02	major	0.26039383	139.950	0.502625704
## 4476	0.492032200	3.340000e-07	major	0.04537320	109.898	0.971851408
## 4477	0.788260043	4.736885e-01	major	0.17716525	121.022	0.543118715
## 4478	0.807279229	1.020000e-07	major	0.03220389	121.064	0.147174224
## 4479	0.482983023	1.030000e-07	major	0.12936333	96.005	0.111714937
## 4480	0.389942884	6.910000e-12	major	0.12835726	139.996	0.104829691
## 4481	0.613664031	1.290000e-08	minor	0.04968311	118.074	0.335929364
## 4482	0.463845789	8.410000e-06	major	0.02992576	169.662	0.694787979
## 4483	0.583201647	1.330000e-05	major	0.34110385	147.000	0.114844814
## 4484	0.087358311	9.353734e-01	major	0.07401923	80.966	0.526294589
## 4485	0.657534778	1.844323e-03	major	0.02528358	115.813	0.221913710
## 4486	0.881784260	1.580000e-05	minor	0.23939483	130.034	0.836587191
## 4487	0.445198596	6.590000e-11	major	0.04732366	84.971	0.347155094
## 4488	0.759880424	3.910000e-10	major	0.10596701	142.027	0.787083864
## 4489	0.919141591	8.788047e-01	major	0.07678653	164.977	0.383159995
## 4490	0.799462199	5.650710e-02	major	0.03536290	142.000	0.669967771
## 4491	0.311125726	4.620000e-08	minor	0.35908431	147.083	0.378114611
## 4492	0.842741847	2.751030e-04	major	0.05133839	96.023	0.598824859
## 4493	0.633440912	1.093870e-04	major	0.11368477	139.947	0.143350989
## 4494	0.129124835	3.482939e-01	minor	0.62773234	77.968	0.799152732
## 4495	0.570128202	2.374600e-04	major	0.02971148	109.990	0.439982057
## 4496	0.245964691	1.840000e-11	major	0.03533937	89.977	0.260486215
## 4497	0.798528731	9.161520e-01	major	0.04018624	136.005	0.576718450
## 4498	0.408204794	1.003270e-04	major	0.24899398	160.050	0.124656156

## 4499	0.714526296	4.460000e-09	major	0.03875570	97.981	0.618277431
## 4500	0.487780511	6.467160e-04	minor	0.32726437	151.582	0.548960030
## 4501	0.766086102	3.140000e-06	minor	0.42546266	131.001	0.540471554
## 4502	0.388412803	2.225398e-01	minor	0.03048626	110.022	0.525360107
## 4503	0.916115940	1.861626e-03	minor	0.04858812	154.771	0.396523684
## 4504	0.361883968	1.310000e-07	minor	0.06101416	98.078	0.202839479
## 4505	0.533019125	8.590000e-06	major	0.09970338	139.965	0.771065712
## 4506	0.399444997	3.480000e-09	major	0.06959899	132.998	0.158838689
## 4507	0.617669344	7.380000e-11	major	0.19788264	134.954	0.790145457
## 4508	0.855028689	1.140000e-06	minor	0.21958223	115.981	0.538688302
## 4509	0.607390821	3.260000e-08	major	0.35546362	159.975	0.539098203
## 4510	0.441237658	2.653730e-03	major	0.03106696	209.864	0.709082127
## 4511	0.305145919	2.060000e-05	minor	0.54983312	86.864	0.679287016
## 4512	0.707898736	1.228120e-04	major	0.03563657	118.003	0.362189531
## 4513	0.381737560	7.487726e-03	major	0.04701804	123.214	0.126276538
## 4514	0.619334340	7.460000e-09	minor	0.08392297	96.013	0.561728060
## 4515	0.624181807	2.975690e-04	minor	0.02734864	173.989	0.155051544
## 4516	0.716401994	7.550000e-11	major	0.03418757	90.005	0.525490224
## 4517	0.733848989	2.890000e-12	major	0.17226075	93.384	0.397565454
## 4518	0.551238656	4.880000e-07	minor	0.22859070	162.118	0.557512760
## 4519	0.788462877	3.020000e-06	major	0.04332698	117.933	0.322738856
## 4520	0.569335639	6.800000e-05	minor	0.25863433	120.074	0.356129646
## 4521	0.316538006	9.631386e-01	minor	0.06587319	85.153	0.039551049
## 4522	0.934280753	6.976499e-01	major	0.04339535	123.965	0.897979558
## 4523	0.959285915	5.412730e-04	major	0.10309879	140.047	0.424892426
## 4524	0.705992699	4.150000e-05	major	0.04248297	144.913	0.239937603
## 4525	0.579771578	1.494096e-03	minor	0.03278991	160.104	0.221961543
## 4526	0.809276164	1.990000e-05	major	0.10365005	149.770	0.647778392
## 4527	0.595643818	7.910000e-06	major	0.10856486	143.693	0.307476759
## 4528	0.871107459	8.733533e-01	major	0.03436124	127.964	0.669436157
## 4529	0.489595324	1.520000e-07	major	0.25713894	87.471	0.690501094
## 4530	0.607975960	7.210000e-07	major	0.32893810	142.130	0.632453740
## 4531	0.837269008	1.580000e-10	major	0.43292189	150.992	0.613582790
## 4532	0.770705879	2.380000e-10	major	0.31767097	149.867	0.544736385
## 4533	0.594717205	8.370000e-05	major	0.05546340	120.140	0.496796697
## 4534	0.797702372	8.840000e-05	major	0.07912630	90.753	0.111831635
## 4535	0.423261493	1.060000e-07	major	0.04404045	137.044	0.256690115
## 4536	0.793746948	2.060000e-06	major	0.02746866	124.006	0.612800002
## 4537	0.624500275	1.450000e-12	major	0.70942646	75.291	0.577160239
## 4538	0.797192454	2.220000e-06	minor	0.28823110	159.883	0.545162022
## 4539	0.773585618	1.115799e-01	major	0.08626515	102.982	0.680979788
## 4540	0.781632364	6.670000e-08	major	0.04434643	84.000	0.305883199
## 4541	0.615412891	1.880000e-07	minor	0.06946781	119.971	0.488776922
## 4542	0.661769986	3.110000e-06	major	0.07551027	125.988	0.058599647
## 4543	0.464610636	4.010000e-08	major	0.05153986	170.214	0.839684367
## 4544	0.796012640	8.668924e-02	major	0.05589817	154.763	0.911135912
## 4545	0.755316019	2.290000e-07	major	0.02691302	140.017	0.205061406
## 4546	0.066831648	8.817524e-01	minor	0.03634207	66.808	0.133031055
## 4547	0.287700385	1.297360e-04	major	0.02964031	96.099	0.108856782
## 4548	0.756717503	4.510000e-08	major	0.04471833	95.031	0.348919243
## 4549	0.869119644	6.990000e-11	major	0.06197245	191.932	0.311782300
## 4550	0.647529066	9.085616e-01	minor	0.06649158	149.959	0.483150154
## 4551	0.457120448	4.760000e-07	minor	0.13528960	115.997	0.272816181
## 4552	0.600891769	1.156711e-01	major	0.13400003	82.258	0.552975476

## 4553	0.671699584	3.020000e-08	minor	0.06882349	97.980	0.632389665
## 4554	0.667072833	2.100000e-07	minor	0.05958540	170.013	0.233848572
## 4555	0.418429941	1.730000e-11	minor	0.23677327	96.438	0.300843328
## 4556	0.567202091	1.027508e-01	major	0.03243375	105.926	0.410895526
## 4557	0.619710982	8.250000e-07	major	0.05195217	94.983	0.063693106
## 4558	0.789710343	2.940000e-09	major	0.09119815	104.062	0.260733724
## 4559	0.649003983	2.110000e-10	major	0.08330480	95.004	0.711967111
## 4560	0.667416692	6.450000e-08	minor	0.03152302	148.011	0.143855482
## 4561	0.741198957	3.621866e-03	major	0.04402145	138.041	0.511169016
## 4562	0.539867520	9.540000e-09	major	0.03351145	110.650	0.245726019
## 4563	0.119557299	6.159865e-02	major	0.05765959	91.792	0.282472908
## 4564	0.948737323	4.908240e-04	minor	0.05218869	130.006	0.580520391
## 4565	0.654861450	1.933731e-03	minor	0.05420094	99.982	0.261506766
## 4566	0.538169146	4.014038e-01	minor	0.09175311	160.075	0.355340034
## 4567	0.697523475	2.240000e-11	major	0.36431384	140.068	0.575200856
## 4568	0.742647529	1.720000e-10	major	0.12238895	107.255	0.299143463
## 4569	0.717025518	8.840000e-09	major	0.07263799	110.980	0.841663659
## 4570	0.659680188	5.690000e-09	major	0.03308906	165.352	0.897072971
## 4571	0.850554824	1.060000e-08	major	0.07049978	94.006	0.824803710
## 4572	0.709106028	2.960000e-14	minor	0.34481472	77.637	0.641837716
## 4573	0.517931461	2.050000e-07	major	0.32132766	114.180	0.423396021
## 4574	0.826858401	3.470000e-08	major	0.18911648	136.062	0.595577002
## 4575	0.805802107	1.080000e-10	minor	0.19568843	150.266	0.702414155
## 4576	0.817910433	6.230000e-08	minor	0.06925311	92.030	0.876386344
## 4577	0.802727520	7.720000e-08	major	0.27126872	134.053	0.524744511
## 4578	0.830309689	7.280000e-05	minor	0.04230512	126.121	0.621852756
## 4579	0.721387386	4.690000e-12	major	0.12082931	96.959	0.130384266
## 4580	0.965872228	3.259988e-03	minor	0.04524762	145.165	0.635738492
## 4581	0.794533432	1.390499e-03	major	0.30225015	153.990	0.309933275
## 4582	0.570485651	1.710000e-05	major	0.09775446	139.002	0.089689411
## 4583	0.723799169	1.730000e-06	major	0.07541113	112.992	0.384512722
## 4584	0.649479568	2.531370e-03	major	0.08781923	168.813	0.386130452
## 4585	0.797533572	5.530000e-07	major	0.34896651	109.968	0.553371370
## 4586	0.807813525	7.080000e-05	major	0.06157410	145.133	0.074484766
## 4587	0.586121619	3.750000e-05	major	0.17316583	137.981	0.578909099
## 4588	0.669932365	9.190000e-05	minor	0.07577875	140.069	0.153532282
## 4589	0.677963436	2.070000e-06	major	0.21646842	114.892	0.819637060
## 4590	0.006385876	8.384709e-01	major	0.03828578	68.484	0.174528658
## 4591	0.571241617	3.300000e-06	major	0.03153553	149.950	0.761037767
## 4592	0.608067274	1.750000e-09	major	0.31020579	139.783	0.826572359
## 4593	0.251671314	1.160270e-04	major	0.05286317	79.665	0.208715320
## 4594	0.406743824	6.660000e-09	major	0.34523532	140.024	0.079331309
## 4595	0.674114466	2.272330e-04	major	0.03737329	111.957	0.255727947
## 4596	0.867682099	2.950000e-08	major	0.14991179	114.895	0.709912717
## 4597	0.735469520	5.452204e-02	major	0.04573144	109.733	0.493211418
## 4598	0.489968777	4.690000e-07	minor	0.03915928	72.974	0.193371534
## 4599	0.138972983	2.110000e-06	major	0.03031034	144.571	0.311120450
## 4600	0.784332454	3.110000e-06	major	0.03543900	160.026	0.264063686
## 4601	0.571348250	7.820522e-01	major	0.04972522	136.055	0.032405347
## 4602	0.699308038	1.700000e-06	major	0.05697412	150.039	0.698858559
## 4603	0.703116894	2.210000e-06	major	0.03816452	110.010	0.313979298
## 4604	0.538396537	6.580000e-09	major	0.03965028	153.711	0.177972272
## 4605	0.880631983	4.840000e-08	major	0.04797362	89.945	0.575130165
## 4606	0.567271233	3.252145e-03	major	0.02713195	82.047	0.517274797

## 4607	0.744507611	1.290000e-08	major	0.03799922	142.928	0.142666519
## 4608	0.636114597	4.720000e-12	minor	0.21895373	136.048	0.106940873
## 4609	0.448028535	3.220000e-09	major	0.03111554	73.010	0.425337017
## 4610	0.552404881	8.090000e-07	major	0.45557705	158.002	0.806907952
## 4611	0.257324934	3.683273e-02	major	0.03446475	79.957	0.187301293
## 4612	0.784945905	3.618632e-03	major	0.05993424	127.975	0.158726320
## 4613	0.588449240	1.236970e-04	major	0.06386612	113.036	0.969049811
## 4614	0.764883816	1.500000e-06	major	0.03164551	162.179	0.265695959
## 4615	0.547085047	8.190000e-08	minor	0.06599323	97.882	0.546454132
## 4616	0.584945917	2.300000e-06	major	0.03079843	116.985	0.474462897
## 4617	0.900356770	2.170000e-07	minor	0.04454217	155.052	0.353802860
## 4618	0.804878354	5.830000e-05	major	0.04504226	93.009	0.428536981
## 4619	0.726417542	2.420000e-06	major	0.22002721	161.997	0.849550188
## 4620	0.660872400	6.370000e-05	major	0.05776209	142.021	0.666287661
## 4621	0.143663749	7.778669e-01	major	0.15968594	124.012	0.318648785
## 4622	0.205618963	4.202155e-02	major	0.03284342	105.005	0.607927501
## 4623	0.956729472	5.400000e-11	minor	0.04187825	154.071	0.702120423
## 4624	0.714711249	1.801755e-02	major	0.09441568	119.503	0.178118572
## 4625	0.766087413	1.380000e-08	major	0.03074088	117.035	0.526564837
## 4626	0.466727495	1.150000e-06	minor	0.40081564	150.004	0.189676225
## 4627	0.932689667	7.827239e-01	major	0.05268006	125.005	0.187438086
## 4628	0.244912058	4.480000e-11	major	0.08725773	82.686	0.866166413
## 4629	0.889082730	1.620000e-09	major	0.04292534	96.024	0.649118423
## 4630	0.755831957	5.560000e-09	minor	0.12936166	125.001	0.562227964
## 4631	0.503543496	9.152718e-01	major	0.02207772	100.001	0.279733777
## 4632	0.508608282	1.950000e-05	major	0.23131207	82.040	0.441309512
## 4633	0.843412399	8.560000e-11	major	0.15364806	115.054	0.485828280
## 4634	0.273068786	1.980000e-11	major	0.02926949	82.554	0.437322706
## 4635	0.875504732	3.385220e-02	major	0.17608547	124.956	0.517914593
## 4636	0.029788891	7.507182e-01	major	0.11379038	133.178	0.383214444
## 4637	0.600746751	2.710000e-09	major	0.04665120	125.956	0.351970494
## 4638	0.867087245	1.030000e-06	major	0.04386294	98.030	0.579032302
## 4639	0.859267414	6.790000e-07	major	0.04486154	174.037	0.705441773
## 4640	0.738317430	1.230000e-05	major	0.05476524	100.316	0.475340188
## 4641	0.809694350	2.637340e-02	major	0.19117777	179.706	0.628963470
## 4642	0.316983312	3.200064e-02	major	0.03110813	150.025	0.147774011
## 4643	0.906999409	8.490000e-09	major	0.20890525	130.059	0.840836346
## 4644	0.619961977	2.610000e-10	major	0.10160109	125.021	0.295195997
## 4645	0.831962526	4.590000e-06	major	0.05311852	92.004	0.529290736
## 4646	0.079339460	5.330000e-08	major	0.09306133	110.011	0.262268275
## 4647	0.258109748	1.445450e-02	major	0.03308500	127.080	0.163856775
## 4648	0.839191437	1.960000e-05	major	0.02967332	165.951	0.906918287
## 4649	0.161985829	3.550000e-10	major	0.04075064	141.742	0.446621090
## 4650	0.674224436	2.950000e-09	major	0.03316470	76.882	0.211148724
## 4651	0.426704824	1.810000e-08	major	0.31627503	149.956	0.039315041
## 4652	0.560295820	9.400000e-11	major	0.28175661	120.989	0.796596527
## 4653	0.705303192	1.898508e-02	major	0.03345278	124.066	0.894289613
## 4654	0.633448601	2.573733e-03	minor	0.04129176	117.966	0.460399508
## 4655	0.670508146	3.120000e-09	major	0.12994643	98.531	0.617615879
## 4656	0.752376080	4.677980e-04	major	0.06497722	123.970	0.139638513
## 4657	0.628104448	3.760000e-07	major	0.31312266	80.927	0.473544598
## 4658	0.394412816	1.970000e-09	minor	0.07344203	114.394	0.113617606
## 4659	0.736715496	2.620000e-06	major	0.04808763	101.486	0.716187179
## 4660	0.638931811	1.460000e-06	major	0.04010690	104.016	0.567754567

## 4661	0.583898306	3.220000e-06	minor	0.04432551	109.505	0.973744869
## 4662	0.585553110	1.170000e-08	major	0.14442353	126.990	0.843372822
## 4663	0.525091171	6.000000e-06	major	0.02939505	92.021	0.273465484
## 4664	0.483969063	2.408930e-04	minor	0.04054115	128.021	0.215657651
## 4665	0.770114660	1.310000e-09	major	0.18992867	161.721	0.838864028
## 4666	0.549689174	6.030000e-09	minor	0.28139433	129.643	0.402165622
## 4667	0.754482150	7.900000e-15	major	0.04877098	128.044	0.640921474
## 4668	0.594186664	1.650000e-11	major	0.03422575	111.986	0.538039386
## 4669	0.743877292	1.950000e-08	major	0.03538977	112.389	0.875806093
## 4670	0.395834744	1.169010e-01	major	0.09782124	121.253	0.573416770
## 4671	0.072879940	3.268047e-02	major	0.04475192	69.678	0.192374468
## 4672	0.124464661	9.524463e-01	minor	0.03908520	93.080	0.073868960
## 4673	0.565839469	9.579251e-01	major	0.02832010	102.978	0.121499665
## 4674	0.312420517	9.300000e-07	major	0.03069406	179.605	0.141257644
## 4675	0.577285349	1.026720e-04	major	0.08281007	121.045	0.461166710
## 4676	0.359197646	1.696007e-01	minor	0.18185490	84.009	0.036598716
## 4677	0.327896684	4.860000e-07	major	0.11468798	134.014	0.338908434
## 4678	0.740756691	7.960000e-07	major	0.08153917	135.867	0.193231538
## 4679	0.294131190	1.080000e-05	major	0.22529733	109.922	0.258637756
## 4680	0.536570311	8.500000e-06	major	0.02906495	139.997	0.154393941
## 4681	0.792151213	7.920457e-01	major	0.04639050	135.010	0.179133773
## 4682	0.441125453	2.470000e-09	major	0.25645584	86.093	0.538387358
## 4683	0.801178515	1.071290e-01	major	0.03214067	119.990	0.454026878
## 4684	0.527716279	9.610000e-08	major	0.12386064	99.993	0.261136055
## 4685	0.674604595	2.458780e-04	major	0.04407116	106.171	0.448817253
## 4686	0.319915622	4.100000e-10	major	0.03865768	80.072	0.519391179
## 4687	0.545420051	3.110000e-09	major	0.03830602	170.010	0.731925309
## 4688	0.696786523	2.129733e-01	major	0.04007027	135.852	0.254503906
## 4689	0.701235831	9.545056e-03	major	0.19946806	151.927	0.346501440
## 4690	0.578726888	3.508616e-03	major	0.05694198	100.010	0.125069618
## 4691	0.710647404	4.320000e-05	minor	0.28361651	81.024	0.410995752
## 4692	0.845483124	1.660000e-09	minor	0.10384797	100.080	0.634514213
## 4693	0.986751258	2.030000e-05	minor	0.13045824	159.989	0.166336238
## 4694	0.263752550	2.520000e-09	major	0.03122762	139.855	0.245863974
## 4695	0.439737856	2.262070e-04	minor	0.07166571	187.868	0.313156426
## 4696	0.744213343	1.803690e-01	major	0.02879987	120.003	0.691891074
## 4697	0.733955204	1.300000e-07	major	0.29776022	167.044	0.196438625
## 4698	0.637444973	1.090000e-08	major	0.18515649	149.109	0.117283396
## 4699	0.823636174	8.210000e-10	major	0.03389956	108.050	0.281700343
## 4700	0.234925434	8.097069e-01	minor	0.03907868	114.541	0.349004805
## 4701	0.576902688	9.050000e-06	major	0.03338850	119.997	0.681605995
## 4702	0.477742761	9.530000e-11	major	0.03587538	159.951	0.692166746
## 4703	0.733546972	3.450000e-09	major	0.15699442	139.968	0.291441083
## 4704	0.007353135	9.780173e-01	major	0.04638792	111.236	0.034588262
## 4705	0.068283871	1.218690e-04	major	0.03118048	83.271	0.275213510
## 4706	0.251756549	6.770776e-01	major	0.06956696	68.666	0.574628830
## 4707	0.660548151	2.470000e-10	major	0.31915927	163.056	0.610757709
## 4708	0.719489694	9.480012e-01	major	0.06785595	176.034	0.683493495
## 4709	0.800430059	1.370000e-09	minor	0.26650926	83.460	0.307834327
## 4710	0.901945114	1.150000e-05	major	0.05093505	150.121	0.384888232
## 4711	0.939439535	9.660000e-05	major	0.08783417	176.085	0.671531975
## 4712	0.875722170	1.480000e-07	major	0.05434284	109.051	0.669150829
## 4713	0.364620835	3.420000e-08	minor	0.44152537	147.031	0.156573325
## 4714	0.553841233	3.130000e-05	minor	0.03238201	89.957	0.123449966

## 4715	0.812132120	1.110000e-09	major	0.06344857	105.024	0.417209595
## 4716	0.396125793	6.770000e-10	major	0.05065828	123.804	0.036809828
## 4717	0.655657947	1.060000e-05	major	0.15368763	109.908	0.382422954
## 4718	0.651834249	1.314016e-02	minor	0.03808174	169.964	0.477766275
## 4719	0.587320685	1.000000e-09	major	0.13810331	90.632	0.241441295
## 4720	0.901719749	1.430000e-09	minor	0.05173953	171.997	0.530114293
## 4721	0.711054623	9.119285e-01	major	0.04399151	127.003	0.245883778
## 4722	0.473076493	3.360000e-10	major	0.04840492	119.997	0.465137362
## 4723	0.447802603	1.880000e-08	major	0.10033642	99.991	0.443759769
## 4724	0.768993497	2.180000e-09	major	0.44977659	110.622	0.472283661
## 4725	0.281033784	8.938522e-01	major	0.04082974	63.491	0.039641518
## 4726	0.589001894	1.820000e-08	major	0.02597104	115.060	0.851160526
## 4727	0.836965382	3.940000e-07	minor	0.03561795	160.034	0.460345507
## 4728	0.798939466	8.453634e-01	major	0.07559594	162.785	0.093322985
## 4729	0.650813222	6.280000e-06	minor	0.20582725	85.957	0.733331501
## 4730	0.794620574	3.810000e-05	major	0.05491260	92.014	0.721653342
## 4731	0.798387349	1.304923e-02	major	0.17240411	140.062	0.383773863
## 4732	0.508951664	4.740000e-11	major	0.77730900	91.165	0.600140274
## 4733	0.514505327	5.620000e-06	minor	0.24246345	139.962	0.528841436
## 4734	0.271393687	2.120000e-07	major	0.04117058	116.020	0.037117172
## 4735	0.560596764	4.410000e-12	minor	0.04909243	144.127	0.295212597
## 4736	0.343134582	7.808270e-04	major	0.90640479	80.660	0.547706962
## 4737	0.558598101	1.770000e-09	major	0.11996339	97.994	0.341744453
## 4738	0.413903356	2.490000e-05	major	0.05142235	139.963	0.760700524
## 4739	0.642410994	7.110000e-10	minor	0.34276840	138.078	0.299367011
## 4740	0.018828118	8.811925e-01	major	0.07588909	120.617	0.294410944
## 4741	0.762122273	3.910000e-09	major	0.08940847	157.005	0.951862693
## 4742	0.642039180	5.240000e-10	minor	0.27667963	81.400	0.519148886
## 4743	0.215603426	1.700000e-08	major	0.10136134	80.033	0.358671069
## 4744	0.807519376	2.780000e-09	major	0.30892897	68.776	0.393203020
## 4745	0.410946757	1.580000e-05	major	0.32514054	198.747	0.967007279
## 4746	0.573721647	3.950000e-09	major	0.04424484	148.041	0.513010979
## 4747	0.477214396	3.830000e-07	major	0.03340219	81.976	0.481212556
## 4748	0.933896363	4.870000e-10	minor	0.11577270	140.016	0.208206251
## 4749	0.781973839	1.780000e-11	major	0.04966588	100.954	0.672705114
## 4750	0.703049004	1.170000e-09	major	0.10619336	144.959	0.210601315
## 4751	0.665970147	1.210000e-06	major	0.04835385	166.021	0.775805593
## 4752	0.556659698	4.930000e-07	major	0.20648861	92.023	0.521806240
## 4753	0.835739434	3.480000e-11	major	0.39777750	157.507	0.563432455
## 4754	0.646775961	1.700000e-06	major	0.05032012	158.052	0.146587715
## 4755	0.852401912	5.110000e-09	major	0.05842211	109.950	0.657203853
## 4756	0.696145475	8.270000e-07	major	0.10746852	134.927	0.529338300
## 4757	0.257940084	3.390000e-12	major	0.03493432	119.865	0.744816840
## 4758	0.921944976	9.356435e-03	major	0.05682107	122.986	0.327755481
## 4759	0.972507775	3.263252e-01	minor	0.07458644	132.073	0.239692688
## 4760	0.482647747	2.330000e-06	major	0.02806769	123.566	0.834072471
## 4761	0.908582270	5.102225e-02	major	0.06705884	160.214	0.234307155
## 4762	0.935396194	8.432083e-01	minor	0.03209347	131.975	0.922858059
## 4763	0.578972936	5.820000e-06	major	0.02781729	109.976	0.578280628
## 4764	0.631268501	2.550000e-11	major	0.37276533	154.872	0.334329903
## 4765	0.787467301	1.010000e-10	major	0.05975456	75.034	0.628894627
## 4766	0.709940970	1.020000e-09	major	0.41771787	200.300	0.771830201
## 4767	0.532718122	1.123325e-03	major	0.05610338	128.013	0.282357395
## 4768	0.774711192	1.100000e-11	minor	0.03295540	130.012	0.357961297

## 4769	0.836515129	4.530000e-08	major	0.11807754	145.062	0.659844339
## 4770	0.538076282	9.189387e-01	major	0.05298300	79.299	0.114696242
## 4771	0.522824347	2.350000e-08	major	0.72301876	86.957	0.868696153
## 4772	0.872096896	3.430000e-09	major	0.04039615	75.035	0.787202775
## 4773	0.574984670	8.176743e-01	minor	0.03119269	124.951	0.040462829
## 4774	0.652043462	3.346948e-02	major	0.02881646	82.961	0.177732781
## 4775	0.445930779	1.360000e-07	major	0.04648051	63.760	0.298711002
## 4776	0.551127672	1.572880e-04	major	0.02883692	153.617	0.726150215
## 4777	0.553698719	3.840000e-05	major	0.13653094	159.850	0.243637100
## 4778	0.822210431	1.650000e-09	major	0.08853207	111.964	0.457690030
## 4779	0.605515659	6.940000e-09	major	0.09672667	109.001	0.897444546
## 4780	0.819296062	5.360000e-06	major	0.20276697	93.824	0.777566791
## 4781	0.814215600	3.207903e-01	major	0.09224240	154.959	0.426618993
## 4782	0.515094638	3.281366e-02	major	0.30881146	138.001	0.533352315
## 4783	0.486778259	1.036794e-03	minor	0.02494741	108.966	0.364615589
## 4784	0.697483718	4.090000e-13	minor	0.30887216	139.976	0.450102121
## 4785	0.587547779	4.250000e-06	major	0.07593373	141.944	0.488625616
## 4786	0.701519489	1.560000e-06	minor	0.40787762	88.721	0.349261701
## 4787	0.455000311	5.936698e-02	major	0.03739378	160.171	0.155643329
## 4788	0.840205669	2.432940e-04	major	0.04430624	140.717	0.559445143
## 4789	0.285961866	2.930000e-05	major	0.23781365	75.429	0.364077538
## 4790	0.932157755	9.130000e-05	minor	0.05602128	124.018	0.528017581
## 4791	0.424825817	6.350000e-08	minor	0.04245128	110.620	0.114564680
## 4792	0.622214675	9.900000e-08	major	0.23623295	127.815	0.733917892
## 4793	0.741979182	1.880000e-07	major	0.03580079	127.988	0.941544950
## 4794	0.173904687	8.600000e-06	major	0.04324592	156.329	0.113462396
## 4795	0.514296472	3.358168e-03	major	0.04548643	153.970	0.556361914
## 4796	0.828251481	5.480000e-08	major	0.03395484	131.996	0.665543497
## 4797	0.675865233	2.518314e-03	minor	0.04327706	155.973	0.137629747
## 4798	0.900171399	2.992280e-04	major	0.05424197	120.018	0.526987314
## 4799	0.471021712	1.096000e-02	minor	0.05795991	96.221	0.443253130
## 4800	0.406101674	3.940000e-11	major	0.03101728	139.600	0.153533906
## 4801	0.356160074	1.440000e-07	major	0.13475135	94.992	0.363562793
## 4802	0.725671351	2.438741e-03	major	0.03027299	140.039	0.391194046
## 4803	0.660160124	7.890000e-10	major	0.03514259	173.013	0.134090021
## 4804	0.241055250	9.740000e-07	major	0.03493034	123.150	0.382991672
## 4805	0.333138615	1.500000e-07	major	0.04535333	114.758	0.856943190
## 4806	0.323950887	6.353433e-01	major	0.03800020	111.111	0.337600827
## 4807	0.593707561	1.900000e-06	minor	0.13899071	136.896	0.964681208
## 4808	0.817161322	9.950000e-05	minor	0.03385208	139.979	0.865608811
## 4809	0.626625001	5.190000e-10	minor	0.58490354	149.999	0.188761309
## 4810	0.623692811	2.080000e-09	major	0.04863041	93.934	0.230001897
## 4811	0.047171824	9.169525e-01	minor	0.04198214	124.964	0.036861274
## 4812	0.496633977	1.240000e-11	major	0.07186957	134.174	0.109911270
## 4813	0.641576409	3.912649e-02	major	0.03302975	120.027	0.494108438
## 4814	0.573570430	6.730000e-08	minor	0.15205281	135.010	0.240991563
## 4815	0.758305430	1.460000e-05	major	0.06994816	150.323	0.092357107
## 4816	0.369421691	3.390000e-08	major	0.04565768	125.883	0.152658835
## 4817	0.722755492	9.280000e-06	major	0.04487955	125.071	0.180609539
## 4818	0.333739549	1.041040e-04	major	0.05405365	105.003	0.545049727
## 4819	0.525947928	8.011843e-01	major	0.03429105	176.995	0.350788355
## 4820	0.829674065	9.724900e-01	major	0.02956732	148.467	0.510466754
## 4821	0.696181893	5.070000e-09	major	0.05083690	87.622	0.376205623
## 4822	0.900233090	1.569289e-03	major	0.07388554	123.001	0.456675589

## 4823	0.481102467	4.120000e-11	major	0.17079323	143.991	0.469677210
## 4824	0.976250112	2.391610e-04	major	0.06161397	134.017	0.634830594
## 4825	0.548225641	9.198748e-01	major	0.08178724	125.022	0.251478940
## 4826	0.450408190	2.900000e-07	minor	0.22404414	92.695	0.538133025
## 4827	0.840446174	1.950000e-12	major	0.29100868	88.867	0.122475334
## 4828	0.481614888	2.120000e-06	major	0.34389323	117.207	0.037863426
## 4829	0.060198486	9.250798e-01	minor	0.03704502	85.885	0.166893005
## 4830	0.375116229	9.532180e-01	major	0.03877721	104.995	0.172026768
## 4831	0.209711835	2.530000e-10	major	0.58921486	121.734	0.196029559
## 4832	0.882234573	7.450000e-10	major	0.05366166	120.544	0.771322489
## 4833	0.897160769	8.591236e-01	major	0.03786181	180.028	0.167146325
## 4834	0.747017026	8.745754e-01	major	0.02893936	161.495	0.534820676
## 4835	0.564335704	3.057793e-03	major	0.04206134	97.350	0.348422736
## 4836	0.407764941	2.790000e-10	major	0.07941473	124.956	0.500142574
## 4837	0.640271187	7.960000e-09	major	0.16930369	150.030	0.128412768
## 4838	0.809114099	9.560000e-06	minor	0.20496288	99.758	0.484097600
## 4839	0.600393116	5.710000e-10	minor	0.04356245	138.939	0.219092861
## 4840	0.837105870	1.080000e-07	minor	0.07271739	92.926	0.667452216
## 4841	0.618984461	9.344329e-01	minor	0.04702927	86.427	0.143827990
## 4842	0.299049884	5.160000e-07	major	0.24879679	69.770	0.246006534
## 4843	0.271730423	7.040000e-06	major	0.03011840	113.648	0.118916221
## 4844	0.537823439	1.469030e-04	minor	0.07855215	102.047	0.271746337
## 4845	0.031813793	8.705993e-01	major	0.06943336	84.342	0.344675899
## 4846	0.745642602	2.950000e-07	major	0.05860808	184.144	0.484659672
## 4847	0.717650831	1.390000e-11	minor	0.21239129	171.791	0.556360304
## 4848	0.555870712	9.780000e-12	major	0.44137374	207.523	0.353478521
## 4849	0.370315760	1.521784e-03	major	0.05711256	108.313	0.089312039
## 4850	0.691647232	7.060000e-13	minor	0.32250512	173.780	0.649066210
## 4851	0.621166110	1.280000e-11	minor	0.05000136	161.986	0.265172273
## 4852	0.623188078	7.130000e-11	major	0.44560540	180.062	0.285535365
## 4853	0.483951122	2.480000e-05	major	0.02956611	145.003	0.718269467
## 4854	0.618920922	4.580000e-08	minor	0.04140603	124.055	0.078805402
## 4855	0.451698303	1.020000e-05	major	0.06806888	199.775	0.724114060
## 4856	0.237940639	1.253504e-01	major	0.04339345	78.013	0.270427525
## 4857	0.378605694	3.550000e-05	major	0.03133009	142.321	0.088298798
## 4858	0.704666317	1.570608e-01	major	0.05343811	128.016	0.394081712
## 4859	0.494644314	4.615644e-01	minor	0.04457542	78.395	0.252405077
## 4860	0.754153550	4.120000e-05	major	0.03788050	119.958	0.441307843
## 4861	0.279838592	1.328789e-02	major	0.09289318	142.912	0.755301178
## 4862	0.694716573	1.021377e-02	minor	0.04939482	123.996	0.718312800
## 4863	0.644983113	9.650521e-01	major	0.34783018	172.139	0.653255939
## 4864	0.637041032	2.722040e-04	major	0.32193658	133.326	0.406947702
## 4865	0.593647659	2.740000e-06	major	0.04516679	119.935	0.364616275
## 4866	0.522248745	7.130000e-07	minor	0.33978876	159.974	0.288913727
## 4867	0.628641427	3.480000e-12	major	0.03459790	79.008	0.510164976
## 4868	0.625041902	9.470000e-06	major	0.29381740	140.052	0.203814790
## 4869	0.844702899	1.000000e-05	minor	0.19458292	136.998	0.679874718
## 4870	0.293516725	1.230000e-05	minor	0.03052549	131.927	0.100035265
## 4871	0.053866085	5.197479e-02	major	0.04274958	94.146	0.211836427
## 4872	0.836161315	5.500000e-10	major	0.51606893	81.452	0.621693909
## 4873	0.900000453	1.104190e-04	major	0.05823081	99.981	0.394320846
## 4874	0.491289318	5.660000e-08	major	0.07059109	121.937	0.680881917
## 4875	0.223711163	1.130000e-08	major	0.03485660	129.350	0.273951650
## 4876	0.672427595	1.850000e-07	minor	0.04077871	135.130	0.395039707

## 4877	0.444192499	1.250000e-06	minor	0.38580138	144.138	0.660159826
## 4878	0.771997690	6.270000e-05	major	0.05892605	103.999	0.452242047
## 4879	0.774936080	1.390000e-05	major	0.05967165	136.035	0.273215473
## 4880	0.823262274	2.480000e-09	major	0.13415341	157.974	0.827557623
## 4881	0.814204276	7.020000e-06	major	0.07358809	99.913	0.477629989
## 4882	0.484619349	3.200000e-08	major	0.03140183	94.781	0.484336317
## 4883	0.539187312	4.160000e-05	major	0.03527424	115.964	0.207255721
## 4884	0.810614049	1.920000e-06	major	0.06991541	142.811	0.487673193
## 4885	0.556533158	2.740000e-07	major	0.36697370	130.856	0.292819262
## 4886	0.907974720	3.093044e-03	minor	0.05914869	127.994	0.353236288
## 4887	0.369547457	3.320000e-09	major	0.18387650	143.214	0.546581149
## 4888	0.503565788	3.320000e-10	major	0.27548966	84.999	0.665980101
## 4889	0.723832905	6.080000e-08	major	0.04834504	179.968	0.259244382
## 4890	0.326234579	1.510000e-07	major	0.06311806	81.457	0.323248506
## 4891	0.665484309	4.300000e-10	major	0.03631684	114.985	0.971796334
## 4892	0.093359150	8.202312e-01	minor	0.03518047	152.058	0.518454254
## 4893	0.848769367	5.950000e-09	major	0.14006914	93.994	0.620607316
## 4894	0.764464438	2.400000e-09	major	0.06776299	105.004	0.438086301
## 4895	0.803796709	2.120000e-09	major	0.04581510	125.012	0.361523926
## 4896	0.461455107	8.641788e-03	major	0.04960994	111.565	0.930905104
## 4897	0.689623773	2.650000e-06	minor	0.11220747	153.692	0.654769838
## 4898	0.808916867	6.140000e-05	major	0.05388980	122.996	0.581551552
## 4899	0.621921957	6.810000e-09	major	0.15673383	134.074	0.223045617
## 4900	0.750624895	1.160000e-08	major	0.25394097	104.921	0.427029133
## 4901	0.366615474	1.438200e-04	major	0.12610385	139.957	0.090539612
## 4902	0.675170660	1.765170e-04	major	0.07878419	91.983	0.536399066
## 4903	0.721421540	5.490000e-05	major	0.12912917	77.064	0.639048100
## 4904	0.397850096	1.072004e-03	major	0.03856519	119.988	0.066363566
## 4905	0.754783511	2.506644e-01	major	0.09103311	180.022	0.433937192
## 4906	0.582245231	1.680000e-07	minor	0.29624820	153.046	0.212467566
## 4907	0.566960156	1.530000e-09	minor	0.43009952	76.090	0.268628061
## 4908	0.220753133	2.410000e-06	minor	0.13430339	94.956	0.504231751
## 4909	0.552681506	4.400000e-10	major	0.03400864	146.189	0.645898163
## 4910	0.486838013	8.290000e-06	major	0.03162824	145.186	0.313594788
## 4911	0.741569281	3.490000e-08	major	0.44247678	79.573	0.395210862
## 4912	0.513448477	8.020000e-05	major	0.21474145	139.992	0.363295078
## 4913	0.402970523	1.860000e-07	minor	0.02759459	108.976	0.098378964
## 4914	0.512337089	2.921913e-03	minor	0.05281458	161.988	0.792723656
## 4915	0.675721109	1.847750e-04	major	0.03280673	124.953	0.661301374
## 4916	0.736616969	6.930000e-09	major	0.11858053	131.262	0.037048008
## 4917	0.854466379	1.470000e-08	major	0.38675255	175.316	0.591015160
## 4918	0.742105782	7.400000e-09	major	0.02826303	106.947	0.729145348
## 4919	0.916053236	1.920000e-06	major	0.03878776	105.061	0.603737175
## 4920	0.664083600	5.010000e-05	major	0.08396079	95.026	0.634851038
## 4921	0.669740140	4.420000e-06	major	0.15033366	82.022	0.652475059
## 4922	0.671599209	8.810000e-08	major	0.03632841	78.084	0.424907476
## 4923	0.591754019	1.040000e-12	minor	0.11542670	130.039	0.347526819
## 4924	0.733967364	2.260000e-06	minor	0.33424932	150.060	0.565510929
## 4925	0.536677301	3.870000e-06	major	0.43149099	144.045	0.534765959
## 4926	0.790369332	5.120000e-11	major	0.41522288	88.788	0.334995627
## 4927	0.525098979	5.750000e-06	major	0.10921066	105.746	0.811608315
## 4928	0.684502184	3.920000e-06	major	0.03704172	168.086	0.083881691
## 4929	0.545581341	2.313630e-04	minor	0.03872380	120.220	0.602605939
## 4930	0.556927562	5.236060e-02	minor	0.03734537	109.983	0.210090950

## 4931	0.506531894	2.270000e-06	major	0.03816859	91.984	0.114340127
## 4932	0.906456649	2.110000e-06	minor	0.46376076	130.144	0.251958281
## 4933	0.769788146	2.269526e-02	major	0.03164458	100.001	0.432624012
## 4934	0.464136958	2.570000e-07	minor	0.09293100	139.996	0.707073748
## 4935	0.862741470	3.710000e-12	major	0.08284532	98.039	0.528688848
## 4936	0.680985510	2.370000e-13	major	0.29884541	99.026	0.738944709
## 4937	0.545155704	2.030000e-11	major	0.02531285	130.082	0.596538067
## 4938	0.693781793	3.220000e-11	major	0.12475968	135.053	0.898217201
## 4939	0.150085688	1.640000e-05	major	0.05147830	110.536	0.037005570
## 4940	0.621269763	2.380000e-06	minor	0.04907539	104.995	0.569276392
## 4941	0.749655366	3.621130e-04	minor	0.05015158	120.988	0.770249486
## 4942	0.774357677	1.760000e-07	major	0.04455229	104.948	0.365468055
## 4943	0.011057952	6.929430e-01	minor	0.04298208	170.207	0.038481321
## 4944	0.859018922	8.340000e-14	minor	0.09984107	110.020	0.702042222
## 4945	0.478507996	1.590000e-07	minor	0.04433336	114.982	0.259894639
## 4946	0.945140898	2.030000e-05	minor	0.07462325	140.066	0.358068496
## 4947	0.711459219	1.670000e-07	major	0.29143819	82.009	0.498700023
## 4948	0.641765952	3.185906e-03	major	0.03135940	101.957	0.273366928
## 4949	0.575776577	5.250000e-12	major	0.08676482	159.978	0.691013634
## 4950	0.630040109	1.490000e-07	minor	0.06932414	74.988	0.450426519
## 4951	0.908283830	5.470000e-11	minor	0.43508008	158.046	0.614134967
## 4952	0.530854046	8.740000e-09	minor	0.14529197	160.053	0.262059957
## 4953	0.552099228	2.560000e-08	major	0.03873149	93.982	0.806091905
## 4954	0.511890292	5.980000e-07	minor	0.13944039	111.904	0.073626116
## 4955	0.453191966	2.428416e-03	major	0.05902937	134.799	0.169821814
## 4956	0.742791235	5.210000e-08	major	0.07668106	139.982	0.559972942
## 4957	0.091667190	8.936291e-01	major	0.02936034	86.674	0.037789542
## 4958	0.528878629	3.347650e-04	major	0.30653772	161.989	0.203129515
## 4959	0.630250096	6.530000e-10	major	0.09634424	180.004	0.418750644
## 4960	0.900739372	6.983134e-01	major	0.03264977	142.031	0.427152336
## 4961	0.092561394	9.452776e-01	major	0.04125032	99.948	0.067837313
## 4962	0.828185260	5.133421e-03	major	0.04306355	111.137	0.460101455
## 4963	0.701439083	8.400000e-10	major	0.03283813	120.932	0.504351556
## 4964	0.576564848	8.625000e-04	major	0.07099026	108.001	0.810173750
## 4965	0.555649936	2.480000e-10	major	0.05476928	109.979	0.189089507
## 4966	0.772881746	4.350000e-09	major	0.07754602	135.987	0.882639945
## 4967	0.777687192	2.800000e-07	major	0.05229936	143.846	0.321761757
## 4968	0.687176883	2.100000e-08	minor	0.10265111	130.024	0.832874000
## 4969	0.380005509	5.291502e-03	major	0.03075789	117.013	0.037224818
## 4970	0.496632516	4.080000e-10	major	0.07930978	161.131	0.364228547
## 4971	0.765378594	1.080000e-08	major	0.21525070	90.046	0.621450424
## 4972	0.863394320	2.870000e-10	major	0.07792851	158.100	0.686036885
## 4973	0.636984766	7.370000e-08	minor	0.22090508	155.012	0.633863032
## 4974	0.777597070	3.350880e-04	major	0.04234958	149.962	0.885597944
## 4975	0.704032481	7.677609e-03	major	0.02901114	113.975	0.701745331
## 4976	0.435472399	1.500000e-11	major	0.23330486	84.850	0.762330890
## 4977	0.474615365	7.505339e-01	major	0.02998035	85.433	0.077710263
## 4978	0.630524576	6.420000e-08	major	0.05356034	129.995	0.814101934
## 4979	0.787023187	2.430000e-07	major	0.03492682	120.034	0.456880957
## 4980	0.448206097	2.420000e-08	major	0.83608156	66.631	0.596369743
## 4981	0.669669449	2.150000e-07	major	0.22488069	173.915	0.636282086
## 4982	0.682951212	6.460000e-07	major	0.06187866	115.784	0.113387987
## 4983	0.590147853	1.334143e-02	major	0.02516873	100.032	0.343062162
## 4984	0.758079350	5.070000e-05	major	0.08210708	133.001	0.474051863

## 4985	0.268684030	8.566729e-01	major	0.08035345	84.543	0.243241727
## 4986	0.945650101	3.400000e-06	minor	0.12159982	126.933	0.575627804
## 4987	0.845633328	8.203893e-01	major	0.03380835	127.986	0.504796147
## 4988	0.589123905	1.490000e-10	major	0.02830594	108.038	0.350709915
## 4989	0.933075905	1.414093e-02	major	0.06249516	167.947	0.179252952
## 4990	0.544658244	3.630000e-07	major	0.07620975	140.035	0.276698649
## 4991	0.851320744	3.080000e-06	major	0.03647346	143.948	0.434009433
## 4992	0.616149545	3.740000e-08	major	0.37954000	146.016	0.390759587
## 4993	0.720892131	3.500000e-11	minor	0.32650083	151.966	0.368675739
## 4994	0.031459820	7.937453e-01	major	0.04113524	174.409	0.032045662
## 4995	0.353298426	1.410000e-05	major	0.02704909	109.385	0.213327736
## 4996	0.907211185	3.030000e-08	major	0.04258779	95.959	0.702751040
## 4997	0.776028872	1.520000e-08	major	0.28651074	138.149	0.401771635
## 4998	0.558869243	2.110000e-06	minor	0.04603563	88.038	0.198609933
## 4999	0.886727750	1.215950e-02	minor	0.03978731	130.044	0.295341402
## 5000	0.818520963	2.850000e-10	major	0.16031657	160.003	0.481168658
## 5001	0.522621632	3.900000e-07	major	0.10035598	145.987	0.698219895
## 5002	0.675456345	6.710000e-09	major	0.33014700	177.953	0.799439907
## 5003	0.828963518	2.880000e-10	major	0.32556766	99.560	0.692327142
## 5004	0.730398774	2.340000e-08	major	0.08018479	100.022	0.241630226
## 5005	0.619584262	1.140000e-06	major	0.06066221	95.078	0.536884904
## 5006	0.770720601	3.530000e-09	major	0.05012968	147.913	0.448428273
## 5007	0.709305942	1.990000e-11	major	0.14574760	160.038	0.812118173
## 5008	0.927568197	2.540000e-07	major	0.13349547	125.983	0.493934155
## 5009	0.685847223	1.540000e-07	major	0.24216916	110.130	0.713540435
## 5010	0.555137396	6.750000e-11	minor	0.39184332	160.055	0.432222396
## 5011	0.592487276	2.149207e-01	minor	0.03191802	122.984	0.048284538
## 5012	0.200529233	1.251678e-02	major	0.03839214	134.362	0.118079014
## 5013	0.966192365	1.460924e-01	major	0.13325240	109.472	0.479476005
## 5014	0.394992799	2.050000e-05	major	0.02775355	121.958	0.189137384
## 5015	0.930416107	1.584139e-03	minor	0.04478132	109.005	0.365392566
## 5016	0.568544924	6.580000e-12	minor	0.05205986	95.917	0.645969331
## 5017	0.655958652	1.060000e-09	major	0.29331246	104.699	0.529456139
## 5018	0.056149404	9.205766e-01	major	0.03504031	130.093	0.039468996
## 5019	0.658701718	3.220000e-09	minor	0.26557422	171.895	0.830463707
## 5020	0.699417889	1.830000e-07	major	0.03246441	99.997	0.548352659
## 5021	0.919598103	3.651444e-03	major	0.03390884	99.104	0.918674588
## 5022	0.784884751	5.610000e-06	minor	0.03525386	110.994	0.568791747
## 5023	0.658383250	7.020000e-09	major	0.20533973	137.824	0.349630147
## 5024	0.488941967	5.590038e-03	major	0.09044654	117.191	0.511163294
## 5025	0.335235536	1.150000e-07	major	0.06184237	179.933	0.976166904
## 5026	0.710648239	7.370000e-08	major	0.04959120	130.039	0.357477635
## 5027	0.485843927	9.210000e-07	major	0.25171623	153.100	0.290277302
## 5028	0.432176620	1.380610e-04	major	0.04530008	77.991	0.392446697
## 5029	0.541778982	1.168216e-03	major	0.06072341	107.987	0.407515675
## 5030	0.116251551	9.200070e-04	major	0.03289840	77.349	0.093708903
## 5031	0.704197884	5.540000e-06	minor	0.06094255	104.996	0.669191241
## 5032	0.905390441	2.890000e-07	major	0.04057591	151.962	0.439209551
## 5033	0.833898664	6.310000e-08	major	0.07172941	110.067	0.717812359
## 5034	0.743789136	1.117574e-01	minor	0.04654865	143.937	0.038311835
## 5035	0.344378978	1.388328e-01	major	0.03274991	128.004	0.223000273
## 5036	0.447789401	1.580000e-07	major	0.16380706	149.987	0.139211282
## 5037	0.636796892	2.760212e-03	major	0.06624872	120.953	0.236189783
## 5038	0.985788286	2.980000e-07	minor	0.11957166	166.130	0.138791025

## 5039	0.788763344	7.150000e-07	major	0.10056822	90.054	0.957746029
## 5040	0.514515996	1.220428e-01	major	0.03159494	119.859	0.672330260
## 5041	0.768686056	1.860000e-07	major	0.04125618	110.250	0.285314351
## 5042	0.330944508	7.320000e-08	major	0.05209869	137.968	0.632361650
## 5043	0.702695131	1.270000e-08	major	0.10167682	94.858	0.237732008
## 5044	0.749074161	7.780000e-05	major	0.09550007	154.892	0.190643042
## 5045	0.244715601	8.885227e-01	major	0.04579883	117.441	0.250028014
## 5046	0.564219356	2.249130e-04	major	0.05199450	160.007	0.359686166
## 5047	0.819163203	1.153866e-01	major	0.16573072	100.325	0.488671273
## 5048	0.864586532	6.074295e-02	major	0.03330868	151.999	0.462877005
## 5049	0.563823223	1.320000e-08	major	0.48996887	92.558	0.685519814
## 5050	0.834881842	1.650000e-08	major	0.03290356	148.170	0.598159552
## 5051	0.488062531	8.230000e-09	major	0.07796401	179.874	0.502485752
## 5052	0.097723350	8.852724e-01	major	0.03742169	80.516	0.037206843
## 5053	0.113512084	9.267048e-01	major	0.04743529	124.324	0.588932753
## 5054	0.478239506	7.710588e-03	major	0.05691399	180.902	0.137285858
## 5055	0.601183474	1.960000e-08	major	0.03067979	95.096	0.660482824
## 5056	0.038630154	8.076368e-01	minor	0.04522155	41.586	0.033998422
## 5057	0.846966684	1.950000e-05	major	0.06299135	189.804	0.126392201
## 5058	0.823025942	5.090000e-10	minor	0.14100319	94.041	0.829357982
## 5059	0.601467967	7.834792e-01	major	0.03547521	93.954	0.568021834
## 5060	0.602802694	1.281892e-02	major	0.08301669	200.083	0.362931728
## 5061	0.456199348	6.020000e-08	minor	0.07025977	129.988	0.275114655
## 5062	0.381838560	2.670000e-06	minor	0.21988598	75.080	0.182109356
## 5063	0.547087550	5.008080e-04	minor	0.19199295	80.967	0.674136341
## 5064	0.625051618	3.340000e-05	major	0.21397631	75.067	0.568311691
## 5065	0.736434281	1.360000e-08	major	0.03210236	140.034	0.039527565
## 5066	0.772859693	1.920000e-07	major	0.05332848	113.359	0.942530394
## 5067	0.723471701	6.310000e-07	minor	0.05791733	92.036	0.820830524
## 5068	0.491905272	6.036830e-04	major	0.02723330	116.989	0.417012632
## 5069	0.846665502	1.640000e-05	major	0.03939929	152.029	0.832558036
## 5070	0.956995189	1.110000e-06	major	0.05444379	130.010	0.476039588
## 5071	0.662461340	6.070000e-12	minor	0.28869903	153.055	0.508225918
## 5072	0.429944485	6.150000e-12	minor	0.44115007	142.107	0.667464316
## 5073	0.556816876	1.480000e-06	major	0.02741155	135.051	0.179816067
## 5074	0.740442097	5.900000e-10	major	0.13439851	87.005	0.779783547
## 5075	0.252393425	4.500000e-05	major	0.06258537	89.448	0.172554016
## 5076	0.517699718	4.520000e-09	minor	0.23098516	99.963	0.704668581
## 5077	0.896353006	1.487320e-04	minor	0.07784449	127.858	0.213243946
## 5078	0.974178731	5.080000e-05	major	0.06628551	106.994	0.566855788
## 5079	0.742806792	1.320000e-05	major	0.07645439	120.017	0.500604570
## 5080	0.410701990	8.840000e-09	major	0.06573722	78.004	0.335573792
## 5081	0.447464913	8.850000e-07	major	0.03412910	90.976	0.431073189
## 5082	0.523035228	2.420000e-11	major	0.34643853	104.084	0.484888315
## 5083	0.552047431	4.560000e-10	major	0.03178192	138.363	0.624399900
## 5084	0.357402623	1.318260e-04	minor	0.04288735	118.039	0.346913278
## 5085	0.610786498	1.160000e-07	major	0.16998216	105.052	0.566851914
## 5086	0.572360396	9.121384e-03	major	0.02990645	119.985	0.340449452
## 5087	0.497463882	1.360000e-08	major	0.29292706	132.016	0.138266906
## 5088	0.163648114	6.545067e-03	major	0.04391780	83.054	0.038997557
## 5089	0.572117150	1.049310e-04	minor	0.34180427	155.063	0.324115425
## 5090	0.820557177	3.150804e-03	major	0.04101045	105.986	0.570559144
## 5091	0.894273579	2.230000e-05	minor	0.03397677	150.034	0.326667428
## 5092	0.622532308	5.670000e-08	major	0.07757001	121.983	0.744207799

## 5093	0.314840466	8.225584e-01	minor	0.07750351	124.034	0.097981445
## 5094	0.496457666	3.550000e-06	minor	0.06741323	179.766	0.107063495
## 5095	0.388865858	3.200000e-08	major	0.04442169	135.006	0.326124817
## 5096	0.213681683	9.887700e-04	major	0.02921109	80.989	0.317930758
## 5097	0.695558548	2.104270e-04	major	0.05628404	125.014	0.616317570
## 5098	0.782497108	2.860000e-11	major	0.15024379	141.869	0.199083671
## 5099	0.717777669	1.370000e-12	major	0.08382659	145.028	0.689520776
## 5100	0.770942688	1.890000e-11	minor	0.33172280	115.051	0.539738774
## 5101	0.905567408	1.670000e-07	major	0.22908922	81.994	0.579143822
## 5102	0.671123981	9.970000e-08	major	0.08928603	129.782	0.249824762
## 5103	0.237564534	9.020000e-09	major	0.03011932	80.157	0.336157441
## 5104	0.708473384	3.400000e-11	major	0.03364710	75.024	0.242715985
## 5105	0.659350812	1.563089e-01	major	0.06417102	130.967	0.286480516
## 5106	0.841845870	8.116960e-04	major	0.05483102	105.013	0.622701943
## 5107	0.441736519	4.973460e-04	major	0.36939159	78.111	0.320688248
## 5108	0.383873433	1.510000e-08	major	0.04360523	74.031	0.350563020
## 5109	0.460293055	1.800000e-06	major	0.03964972	148.059	0.585809588
## 5110	0.004561731	8.734668e-01	major	0.05552950	106.556	0.030205999
## 5111	0.851358533	3.490000e-07	major	0.05570916	126.066	0.504232347
## 5112	0.807881594	5.280000e-08	major	0.04903578	90.156	0.314311951
## 5113	0.762168348	2.500000e-07	major	0.05010693	172.009	0.891999125
## 5114	0.125015989	4.214018e-01	major	0.07077295	78.036	0.399898589
## 5115	0.872188747	7.520000e-13	major	0.23247886	157.593	0.292384505
## 5116	0.644013882	1.210000e-05	major	0.03753581	139.985	0.126842409
## 5117	0.695114374	5.870000e-09	major	0.02794768	133.949	0.571305454
## 5118	0.561302423	2.110000e-05	major	0.02880999	90.051	0.477825373
## 5119	0.439948171	4.570000e-06	minor	0.22170627	128.235	0.662588894
## 5120	0.889215946	4.020000e-05	major	0.03672985	122.757	0.935130000
## 5121	0.623072982	1.930000e-05	major	0.06477143	129.968	0.576098561
## 5122	0.648067892	3.213023e-01	minor	0.05113602	92.009	0.378579766
## 5123	0.794466257	8.590000e-06	minor	0.21054131	92.022	0.647423148
## 5124	0.762079954	6.870000e-06	major	0.06354743	100.021	0.398502737
## 5125	0.753676713	7.810000e-07	minor	0.05934612	115.024	0.849238575
## 5126	0.448240727	9.690000e-07	major	0.11723023	146.189	0.624273598
## 5127	0.701693833	2.090000e-05	major	0.36467433	149.908	0.342428386
## 5128	0.269102305	1.132140e-03	minor	0.44575223	79.953	0.143349394
## 5129	0.485453397	9.300000e-09	minor	0.23092009	120.874	0.961542666
## 5130	0.541006327	7.550000e-07	major	0.05048072	124.959	0.448319018
## 5131	0.886641026	2.900000e-07	major	0.04186275	144.987	0.469675928
## 5132	0.702297688	8.040000e-12	major	0.38804436	157.981	0.652517974
## 5133	0.269093663	2.090000e-07	major	0.07917502	100.017	0.127900898
## 5134	0.389892966	2.276430e-04	minor	0.03356720	159.667	0.056487359
## 5135	0.658882737	9.350000e-08	major	0.05144271	150.038	0.247350916
## 5136	0.697936654	1.780000e-11	major	0.16077597	144.884	0.279283226
## 5137	0.471030802	4.350000e-06	major	0.04713908	84.643	0.150825247
## 5138	0.671979070	1.210000e-07	major	0.23029141	143.076	0.719927788
## 5139	0.391000062	1.585645e-02	major	0.04682248	79.528	0.358163953
## 5140	0.697695434	1.309970e-04	major	0.09869240	72.417	0.616455019
## 5141	0.360829741	4.220000e-11	major	0.03481351	140.117	0.655009151
## 5142	0.708239079	4.040000e-08	minor	0.05651168	122.191	0.960303783
## 5143	0.634546340	4.378880e-04	major	0.04998291	156.931	0.363723427
## 5144	0.478718728	5.440000e-07	major	0.05649455	115.868	0.970738649
## 5145	0.697743356	2.820000e-08	major	0.02731306	77.987	0.260053605
## 5146	0.039301179	9.008883e-01	major	0.03110597	75.234	0.065917544

## 5147	0.710219443	1.880000e-10	minor	0.28191298	82.519	0.845683098
## 5148	0.619370461	1.006699e-01	minor	0.04270083	119.956	0.315973461
## 5149	0.832132399	9.600000e-05	major	0.03228968	111.007	0.601636171
## 5150	0.991392493	7.980778e-01	minor	0.19612630	141.956	0.054793421
## 5151	0.314127326	1.600000e-08	minor	0.25524259	142.009	0.608208954
## 5152	0.125295237	3.880000e-06	major	0.04375095	130.234	0.152759254
## 5153	0.846623361	3.120000e-08	major	0.10175710	121.922	0.623260021
## 5154	0.905833185	9.730360e-04	minor	0.06071533	109.976	0.291175187
## 5155	0.575463295	1.480000e-05	major	0.02687079	94.474	0.839122474
## 5156	0.752285957	5.610000e-08	major	0.03068717	141.011	0.613434672
## 5157	0.761414289	1.217376e-01	major	0.05788744	80.047	0.313461691
## 5158	0.734750092	9.780000e-10	major	0.48154607	76.237	0.624517441
## 5159	0.126506537	2.170000e-06	minor	0.03515583	71.731	0.202334449
## 5160	0.833322942	3.920000e-08	major	0.06175264	104.879	0.325605661
## 5161	0.558983862	4.650000e-12	major	0.36553019	129.866	0.298164040
## 5162	0.053127095	6.823867e-01	major	0.04174015	72.708	0.124489620
## 5163	0.723319530	1.435910e-04	minor	0.03857897	145.001	0.440214336
## 5164	0.535681248	2.130000e-06	minor	0.03137889	135.053	0.367609084
## 5165	0.664408684	1.106368e-03	minor	0.04727032	114.003	0.582660794
## 5166	0.644230545	5.030000e-06	major	0.02778734	140.038	0.212358519
## 5167	0.670561612	5.100000e-12	major	0.29201055	139.989	0.582166076
## 5168	0.620292664	1.090000e-07	major	0.05848214	155.048	0.183854356
## 5169	0.766447425	3.065220e-04	minor	0.06943499	145.064	0.126293719
## 5170	0.587987125	8.860199e-01	major	0.07619739	122.057	0.433607936
## 5171	0.529748857	4.880000e-12	major	0.26475316	179.929	0.495607406
## 5172	0.608422697	8.040000e-07	major	0.06292781	119.399	0.887584805
## 5173	0.702103913	2.204460e-03	major	0.03615193	115.010	0.079005167
## 5174	0.590719640	3.720000e-11	major	0.36740056	177.796	0.563938379
## 5175	0.733292103	8.655299e-01	minor	0.02574741	105.921	0.219637334
## 5176	0.471349508	1.020000e-09	major	0.03555101	154.110	0.219951034
## 5177	0.549248695	1.050000e-08	major	0.16689847	121.954	0.209380120
## 5178	0.369244367	2.628025e-02	minor	0.04349507	114.362	0.444303632
## 5179	0.513283968	9.990000e-10	major	0.32828656	122.982	0.612460911
## 5180	0.641889691	1.640000e-09	minor	0.03623844	127.944	0.274828613
## 5181	0.422197968	8.768096e-03	major	0.04818090	120.041	0.187478736
## 5182	0.609647393	6.570000e-13	major	0.14379659	138.097	0.172180563
## 5183	0.633618057	2.370000e-07	major	0.12225792	147.996	0.777821243
## 5184	0.774438441	8.551151e-02	major	0.02699706	164.271	0.654420733
## 5185	0.577134788	2.290000e-06	major	0.02914642	161.992	0.773395777
## 5186	0.952613950	1.240000e-10	major	0.14777723	97.986	0.872059822
## 5187	0.707911253	3.930000e-07	minor	0.38283420	166.110	0.359346390
## 5188	0.541981161	1.095660e-04	major	0.07598389	90.057	0.662306964
## 5189	0.174150154	2.000687e-01	major	0.03062745	135.037	0.150739923
## 5190	0.997536659	9.037523e-03	major	0.06944687	124.022	0.256486446
## 5191	0.291987121	3.320000e-06	major	0.15441600	88.744	0.298851371
## 5192	0.674854338	3.380000e-06	major	0.02842095	104.987	0.372475117
## 5193	0.689415157	1.420000e-07	minor	0.29924759	197.859	0.518349588
## 5194	0.561463714	1.070000e-05	major	0.03240283	97.017	0.042935207
## 5195	0.537100255	9.220000e-10	major	0.04131794	145.866	0.112851821
## 5196	0.262983322	5.556046e-03	major	0.03765576	92.669	0.720958591
## 5197	0.811247349	3.039906e-02	major	0.06310607	164.236	0.462143600
## 5198	0.540623188	4.251981e-02	major	0.04138115	178.003	0.282267213
## 5199	0.447363615	8.978366e-01	major	0.03620739	114.842	0.410353363
## 5200	0.872607470	1.280000e-08	minor	0.24111874	81.282	0.383854181

## 5201	0.428641886	6.069573e-01	major	0.07891265	138.027	0.645971775
## 5202	0.617689610	1.011830e-04	minor	0.04727140	73.247	0.254090637
## 5203	0.450265914	9.443874e-01	minor	0.02996289	180.039	0.533367217
## 5204	0.885342777	3.140000e-08	major	0.24336541	141.987	0.769146204
## 5205	0.704689801	6.110000e-06	major	0.02585916	95.990	0.634603262
## 5206	0.731048822	1.590000e-07	minor	0.23604921	175.981	0.675638795
## 5207	0.241397262	2.370000e-07	major	0.07821344	69.060	0.418562174
## 5208	0.728733122	3.117800e-03	minor	0.11865179	99.984	0.890850544
## 5209	0.933511853	1.631956e-03	minor	0.42408791	119.954	0.404359192
## 5210	0.756852686	9.300000e-11	minor	0.25288692	96.632	0.330964029
## 5211	0.402527511	8.280903e-01	minor	0.18176512	80.028	0.539808154
## 5212	0.211138159	2.900000e-10	major	0.16269147	80.321	0.671520114
## 5213	0.795087218	4.020000e-11	major	0.03818126	106.979	0.512904048
## 5214	0.682770550	3.240000e-10	minor	0.02631013	110.052	0.527671516
## 5215	0.879462421	4.817053e-01	major	0.05219997	94.982	0.284751475
## 5216	0.180561647	8.225573e-01	major	0.32922000	80.056	0.335660100
## 5217	0.427070767	2.390000e-09	major	0.03404639	93.342	0.219644189
## 5218	0.824720323	7.220000e-06	major	0.12564969	88.406	0.567215383
## 5219	0.634724796	1.100000e-08	major	0.03367732	136.026	0.364488125
## 5220	0.295687795	5.720000e-06	major	0.04191566	106.047	0.357594013
## 5221	0.464495689	2.530000e-05	major	0.02989802	103.660	0.803443789
## 5222	0.680263937	3.060000e-09	major	0.04844152	101.079	0.484953433
## 5223	0.760636985	3.679757e-03	major	0.04449575	145.008	0.274533480
## 5224	0.611717343	1.740000e-08	major	0.27801061	159.953	0.442693710
## 5225	0.878273129	9.200000e-09	major	0.03415186	139.944	0.961853027
## 5226	0.795172453	5.280000e-09	major	0.25794154	55.320	0.079912953
## 5227	0.470012426	1.340000e-06	major	0.13424811	139.706	0.078988284
## 5228	0.954568565	6.350000e-12	major	0.04241146	90.989	0.644665420
## 5229	0.738365829	4.154440e-04	major	0.09733333	119.791	0.977320313
## 5230	0.496696025	1.169700e-04	minor	0.11469013	101.050	0.061884854
## 5231	0.706811726	4.317160e-04	major	0.03013206	138.026	0.651462436
## 5232	0.264514357	4.240000e-06	major	0.04289430	71.988	0.478152812
## 5233	0.666174293	3.520000e-05	minor	0.23604613	92.149	0.871239781
## 5234	0.339783967	2.258579e-03	major	0.05622170	110.013	0.369772553
## 5235	0.979921341	5.990000e-07	major	0.24725404	139.007	0.525184870
## 5236	0.440017223	2.650000e-07	major	0.13695715	121.113	0.314371079
## 5237	0.854400039	1.030000e-10	major	0.04319254	115.004	0.278949350
## 5238	0.917359650	1.860000e-06	major	0.05965155	125.011	0.336584091
## 5239	0.599071383	1.080000e-09	major	0.22427808	109.040	0.605024159
## 5240	0.189684853	5.544639e-01	major	0.04071657	85.560	0.034518205
## 5241	0.699826777	1.390000e-08	major	0.14680694	133.945	0.611362457
## 5242	0.876960814	1.160000e-09	major	0.06327161	83.917	0.212805644
## 5243	0.593079627	1.600000e-08	major	0.09143317	140.017	0.242932796
## 5244	0.377622098	7.090000e-07	minor	0.14608954	77.023	0.175560132
## 5245	0.833501458	1.611210e-04	minor	0.04422329	133.954	0.517940700
## 5246	0.729384720	1.475910e-04	major	0.08833788	86.862	0.472431153
## 5247	0.743357599	6.020000e-07	minor	0.09152083	99.158	0.137400776
## 5248	0.588003993	2.460000e-07	minor	0.30599657	153.077	0.582308173
## 5249	0.526850045	7.264392e-02	major	0.03324009	200.008	0.330034822
## 5250	0.583458781	1.580000e-10	major	0.47227484	83.197	0.357153207
## 5251	0.486044407	3.190000e-06	minor	0.05051906	96.989	0.226177335
## 5252	0.803945303	5.720000e-05	major	0.14966676	186.018	0.788521290
## 5253	0.969760358	5.481980e-01	major	0.07884775	142.019	0.869285882
## 5254	0.823927402	6.380000e-09	major	0.07812622	103.114	0.481533706

## 5255	0.650334656	3.750000e-09	major	0.05757421	119.993	0.237274155
## 5256	0.659012914	1.954412e-02	major	0.02694674	93.001	0.839153588
## 5257	0.409462899	1.400000e-10	major	0.04547785	130.028	0.280509442
## 5258	0.448867887	9.140000e-06	major	0.03085004	141.988	0.093220688
## 5259	0.297095388	9.332044e-01	minor	0.07252029	79.441	0.101606317
## 5260	0.840022504	1.792423e-03	major	0.02794187	112.990	0.545285046
## 5261	0.351317644	9.391466e-01	major	0.04594066	141.953	0.035187706
## 5262	0.751922548	4.290000e-09	major	0.06372569	122.937	0.414736599
## 5263	0.962187290	6.220000e-10	major	0.36104402	149.797	0.514167488
## 5264	0.409023434	1.110000e-07	major	0.06054973	137.978	0.129327103
## 5265	0.858529150	4.114500e-04	major	0.22954483	140.021	0.695733905
## 5266	0.169323340	9.356896e-01	major	0.03670993	49.654	0.046617247
## 5267	0.686430454	1.640000e-09	minor	0.45275915	147.703	0.545336723
## 5268	0.683075666	2.171030e-04	major	0.30400604	89.940	0.561312139
## 5269	0.889579058	1.020000e-06	major	0.03488284	162.049	0.581508577
## 5270	0.678345442	1.640000e-09	major	0.05831390	166.105	0.474767089
## 5271	0.241277263	5.692307e-01	major	0.06827123	131.953	0.696350336
## 5272	0.540500760	1.790000e-06	major	0.06294116	133.005	0.588895202
## 5273	0.575157344	6.130000e-06	major	0.03008246	144.057	0.214972913
## 5274	0.831241608	4.100000e-07	major	0.04219267	99.992	0.458009094
## 5275	0.646347046	1.400000e-06	minor	0.09360836	130.003	0.674219489
## 5276	0.653512359	5.460000e-09	major	0.12094940	100.907	0.303958088
## 5277	0.514943779	8.790000e-05	minor	0.08291651	126.995	0.182561755
## 5278	0.816034317	1.480000e-08	major	0.25432622	88.598	0.755469203
## 5279	0.754146576	9.460000e-10	major	0.42370874	159.677	0.561172485
## 5280	0.682360768	5.840000e-06	major	0.26837227	136.943	0.160484925
## 5281	0.825596571	3.930000e-07	major	0.23317860	149.954	0.445305586
## 5282	0.678312123	1.310000e-11	major	0.37721416	99.735	0.260867655
## 5283	0.819600523	1.060000e-05	major	0.12094182	96.979	0.785989285
## 5284	0.763666093	3.120000e-06	minor	0.03656204	156.056	0.588252664
## 5285	0.420335084	6.240000e-05	major	0.85441792	102.624	0.394351065
## 5286	0.753230929	2.820000e-10	major	0.46444055	129.227	0.179856271
## 5287	0.693793356	2.827179e-01	major	0.02720714	110.034	0.084596351
## 5288	0.833547592	4.130000e-06	major	0.04655138	79.959	0.461026400
## 5289	0.907630682	1.890000e-07	major	0.05215104	102.051	0.853371024
## 5290	0.524817288	4.911706e-01	major	0.03078984	91.034	0.574162006
## 5291	0.789681554	4.380000e-07	major	0.03709481	120.040	0.381830812
## 5292	0.579831064	4.040000e-12	major	0.16651599	76.484	0.338484734
## 5293	0.436229616	2.300100e-04	major	0.07801355	140.951	0.420020223
## 5294	0.262438118	1.885710e-04	major	0.06299302	80.010	0.276295215
## 5295	0.610342205	3.220000e-09	major	0.02687516	105.014	0.351789832
## 5296	0.473724604	1.067760e-04	major	0.13131972	150.195	0.363319606
## 5297	0.360682189	1.850000e-08	major	0.25509673	136.039	0.292957276
## 5298	0.462837696	1.990000e-10	minor	0.29262257	100.046	0.045740437
## 5299	0.519589841	1.010000e-09	minor	0.22102533	92.033	0.765474200
## 5300	0.978388309	6.401999e-01	major	0.08645267	149.887	0.232442677
## 5301	0.981529713	3.768851e-01	major	0.18239647	124.055	0.417678535
## 5302	0.723122776	2.020000e-05	major	0.21708602	115.124	0.390417904
## 5303	0.419743419	3.440000e-09	major	0.03065068	120.096	0.162434399
## 5304	0.645335436	4.978480e-04	major	0.03565730	148.318	0.472590625
## 5305	0.550504446	7.310000e-13	major	0.11544575	73.511	0.707791090
## 5306	0.871385157	6.330000e-05	major	0.08145531	115.690	0.645293474
## 5307	0.373680621	1.170000e-07	major	0.04469830	73.577	0.314467341
## 5308	0.806617200	2.107793e-02	major	0.12633181	160.174	0.784477413

## 5309	0.634417832	1.580000e-10	minor	0.11799828	129.981	0.191508397
## 5310	0.417142957	4.850000e-05	major	0.03037232	139.652	0.080705039
## 5311	0.961475134	1.444949e-02	major	0.05424541	108.031	0.703986585
## 5312	0.416263789	1.640000e-06	minor	0.04937016	127.031	0.248346522
## 5313	0.142321482	1.621212e-01	major	0.31416589	99.505	0.228250921
## 5314	0.314926237	1.019316e-03	minor	0.19271591	84.638	0.410462648
## 5315	0.617802501	5.940000e-10	major	0.03616163	125.078	0.631981552
## 5316	0.578519225	5.510000e-13	major	0.30498996	154.977	0.524215460
## 5317	0.965979874	1.879174e-01	minor	0.13517560	149.928	0.308120757
## 5318	0.710046589	1.070000e-06	major	0.05791090	169.944	0.700188398
## 5319	0.231698662	6.360000e-06	major	0.03112641	126.325	0.241217256
## 5320	0.480538726	3.760000e-05	minor	0.04324484	75.652	0.200141236
## 5321	0.825130224	8.877916e-01	major	0.04630324	159.985	0.554360807
## 5322	0.785014212	1.180000e-06	major	0.14388438	119.979	0.737219155
## 5323	0.162116006	7.289426e-02	major	0.03003547	105.752	0.139443368
## 5324	0.515890419	2.180000e-06	major	0.07015893	100.016	0.741437614
## 5325	0.508056581	1.680000e-06	major	0.19698535	121.965	0.325383067
## 5326	0.620922744	4.360000e-07	major	0.04086588	132.927	0.482763022
## 5327	0.693371058	8.990000e-07	major	0.06107872	104.255	0.140579358
## 5328	0.592104554	7.740000e-10	major	0.07516291	153.223	0.799426258
## 5329	0.842615604	6.130000e-13	major	0.22134516	145.979	0.604952693
## 5330	0.806557596	1.520000e-09	minor	0.04450717	120.047	0.420757324
## 5331	0.858469963	1.070000e-08	minor	0.11495078	127.973	0.585414231
## 5332	0.492249191	4.200000e-06	major	0.08182833	119.924	0.447593898
## 5333	0.686577499	4.410000e-07	minor	0.07949206	135.020	0.524270356
## 5334	0.655796468	1.880000e-07	major	0.04321317	159.968	0.491825491
## 5335	0.273139983	8.511984e-01	major	0.10739667	79.999	0.317325026
## 5336	0.766998053	3.672045e-01	major	0.04622312	123.020	0.834325790
## 5337	0.457988501	9.016597e-01	minor	0.03736344	116.052	0.036315713
## 5338	0.578899622	4.530000e-12	major	0.20671509	121.025	0.310730219
## 5339	0.401946127	7.040000e-10	minor	0.08883441	134.086	0.257888585
## 5340	0.802864790	8.410000e-09	major	0.46288475	168.536	0.631065309
## 5341	0.410851419	3.040000e-08	major	0.02913351	69.455	0.170606419
## 5342	0.292231739	7.590000e-10	major	0.05629544	84.339	0.429952264
## 5343	0.707000375	8.180000e-08	major	0.20677113	66.681	0.818240404
## 5344	0.680271149	6.030000e-08	minor	0.12898685	139.698	0.330311239
## 5345	0.736635506	3.550683e-03	major	0.07728789	171.862	0.859761715
## 5346	0.600678980	1.150000e-08	major	0.05071525	121.656	0.316425025
## 5347	0.870572686	6.547702e-03	minor	0.03429922	128.042	0.186624557
## 5348	0.673489571	3.480000e-05	minor	0.08275684	161.975	0.602531850
## 5349	0.651895463	3.350000e-05	minor	0.12672101	147.955	0.321909308
## 5350	0.153442591	9.133509e-01	major	0.04038605	85.599	0.102583416
## 5351	0.631767809	3.350000e-07	minor	0.29350612	94.166	0.529809356
## 5352	0.721366763	4.912189e-03	major	0.03031340	150.090	0.902051508
## 5353	0.561627567	7.990000e-13	minor	0.30541787	127.680	0.673487365
## 5354	0.449340075	3.611894e-02	major	0.06952178	107.055	0.531151235
## 5355	0.583234131	1.430000e-05	minor	0.09270534	93.950	0.799878120
## 5356	0.601182401	3.010000e-05	major	0.11407034	82.000	0.076315045
## 5357	0.698178411	4.800000e-10	major	0.03140976	126.030	0.593263626
## 5358	0.477987647	1.084401e-03	major	0.05278229	83.965	0.486526400
## 5359	0.417253524	3.800000e-08	minor	0.71148032	114.578	0.483335078
## 5360	0.006351252	9.056914e-01	minor	0.05373866	134.841	0.039684322
## 5361	0.577619672	1.660000e-08	major	0.10577346	80.002	0.284847379
## 5362	0.768152952	6.990837e-01	major	0.08029954	79.956	0.729654253

## 5363	0.243845463	1.402955e-02	minor	0.03184547	116.564	0.191208318
## 5364	0.788384616	3.886138e-02	major	0.06191620	100.010	0.351462990
## 5365	0.646682382	8.548172e-03	major	0.11918034	105.011	0.258673191
## 5366	0.941737950	1.670000e-07	major	0.04602795	141.022	0.555588186
## 5367	0.868617535	2.035394e-03	minor	0.05271613	119.044	0.347161323
## 5368	0.770975828	3.110000e-09	major	0.44999394	180.159	0.385237247
## 5369	0.881156802	1.177494e-02	minor	0.12693511	116.097	0.374342561
## 5370	0.467693955	1.630000e-05	major	0.27706754	94.868	0.478575200
## 5371	0.769589067	8.620000e-10	major	0.03630117	94.982	0.348538637
## 5372	0.656309247	1.130000e-07	major	0.02661006	171.971	0.803920448
## 5373	0.619419694	3.758899e-02	minor	0.16105005	103.989	0.699212074
## 5374	0.458555251	9.140000e-08	major	0.06709791	105.975	0.399257660
## 5375	0.852234840	5.250000e-06	minor	0.09608190	79.932	0.115600750
## 5376	0.715759814	1.320000e-11	minor	0.30869707	150.086	0.638876200
## 5377	0.317024440	2.767402e-02	major	0.03087292	140.671	0.279607713
## 5378	0.469578028	8.635303e-01	major	0.05088612	134.030	0.692747474
## 5379	0.756820858	2.790000e-07	major	0.16716613	82.673	0.469001472
## 5380	0.468560904	7.320000e-05	minor	0.10425831	110.573	0.369471937
## 5381	0.473593593	9.040000e-09	major	0.02967693	99.033	0.735622108
## 5382	0.678001344	9.870000e-10	major	0.29583475	145.029	0.609947443
## 5383	0.406159163	1.930000e-07	minor	0.39809933	140.030	0.630793154
## 5384	0.234374687	2.720000e-05	major	0.04326728	129.803	0.641854584
## 5385	0.648139656	3.400000e-05	major	0.05593038	176.115	0.620445311
## 5386	0.832685232	2.040000e-07	major	0.03993474	79.955	0.620929003
## 5387	0.633584738	2.530000e-07	minor	0.21796803	139.621	0.283308923
## 5388	0.520691812	7.850000e-11	major	0.22198507	181.815	0.795553565
## 5389	0.302964449	9.660000e-07	minor	0.06517462	83.974	0.294527501
## 5390	0.428751379	2.893631e-03	major	0.28720778	139.500	0.248583615
## 5391	0.690060318	7.140000e-08	major	0.03950539	104.991	0.248596922
## 5392	0.596917927	4.044904e-02	major	0.03699575	100.051	0.227239519
## 5393	0.842792153	8.257777e-01	major	0.05647013	102.022	0.039670754
## 5394	0.572673082	2.630000e-05	major	0.03234788	73.504	0.693532169
## 5395	0.447631329	7.852263e-01	major	0.03160989	153.848	0.036582727
## 5396	0.874840021	1.457459e-03	minor	0.08487584	120.069	0.294070959
## 5397	0.667452574	1.130000e-14	major	0.41219598	149.890	0.914253235
## 5398	0.634790957	2.430000e-09	major	0.21503779	120.070	0.198586151
## 5399	0.866146982	1.470000e-11	minor	0.14726712	95.955	0.819726706
## 5400	0.092959158	9.499784e-01	major	0.03596883	79.222	0.391162425
## 5401	0.597633362	2.520000e-12	major	0.20455030	128.122	0.534067512
## 5402	0.845928609	7.360000e-07	major	0.05368454	144.852	0.391328543
## 5403	0.493563563	5.600000e-06	minor	0.40917581	80.008	0.645479858
## 5404	0.364225835	8.854870e-01	minor	0.04518147	97.799	0.230713382
## 5405	0.572178960	5.165420e-04	major	0.54510850	179.920	0.395959526
## 5406	0.186696753	5.242777e-02	major	0.03284717	118.934	0.079187550
## 5407	0.693315446	9.580000e-05	minor	0.04117114	139.912	0.221386403
## 5408	0.341349214	2.383654e-01	major	0.09440482	95.011	0.435701549
## 5409	0.448401183	8.030000e-06	major	0.44218221	144.204	0.103669532
## 5410	0.182750911	5.083672e-02	major	0.03377467	156.696	0.223626226
## 5411	0.585672557	6.980000e-07	major	0.52166146	168.330	0.725832224
## 5412	0.564262807	1.410000e-05	minor	0.10124408	135.738	0.555013120
## 5413	0.410241842	4.610000e-08	major	0.34684399	111.993	0.494140536
## 5414	0.844078183	9.020004e-01	major	0.03161235	158.972	0.747630715
## 5415	0.647349417	4.010000e-11	major	0.04761025	86.964	0.528192043
## 5416	0.430640340	8.988150e-01	major	0.04987440	147.033	0.188493192

## 5417	0.471073091	8.844929e-01	major	0.04411838	122.845	0.039192501
## 5418	0.592800081	3.870000e-06	minor	0.03636583	177.779	0.679767430
## 5419	0.635794163	7.730000e-07	major	0.03993286	140.139	0.370020747
## 5420	0.201349720	1.810000e-08	major	0.05020528	134.965	0.218825012
## 5421	0.926999927	2.875155e-02	minor	0.07078612	156.031	0.848436415
## 5422	0.764913976	1.228923e-02	major	0.02942630	122.007	0.696220994
## 5423	0.400572151	6.173737e-02	minor	0.03625925	47.587	0.416961879
## 5424	0.475505799	6.994513e-03	minor	0.04875106	100.017	0.171819344
## 5425	0.553269386	2.210000e-08	minor	0.33265901	142.044	0.264930099
## 5426	0.409638762	5.440000e-09	major	0.03492917	148.991	0.076341793
## 5427	0.377274334	6.480000e-07	major	0.05501791	148.131	0.949821353
## 5428	0.543555498	7.190000e-08	major	0.03691132	109.146	0.715677202
## 5429	0.763500929	1.950000e-10	major	0.13438931	153.059	0.715402722
## 5430	0.789714336	8.770000e-10	minor	0.02755881	93.019	0.604816020
## 5431	0.779078066	1.420000e-08	minor	0.09720518	94.023	0.768058062
## 5432	0.399535596	1.571948e-02	major	0.06132880	127.999	0.145712897
## 5433	0.579478741	8.020000e-09	major	0.20162091	144.994	0.502043545
## 5434	0.851967812	5.180000e-11	major	0.12474602	139.933	0.330335110
## 5435	0.617214859	3.370000e-09	major	0.31194773	138.033	0.338784933
## 5436	0.045675587	9.525869e-01	minor	0.08943377	69.915	0.349175215
## 5437	0.023767039	8.469728e-01	minor	0.03690744	108.740	0.426449060
## 5438	0.301354557	2.730000e-11	major	0.03457145	101.937	0.524732292
## 5439	0.423045009	3.950000e-07	major	0.02958908	160.021	0.640128016
## 5440	0.772486925	1.120000e-07	major	0.04551456	114.965	0.973598540
## 5441	0.283213109	8.390624e-01	major	0.06048534	93.792	0.034621991
## 5442	0.434617311	1.880000e-06	major	0.13638350	98.008	0.588652730
## 5443	0.984613478	2.840000e-06	major	0.15066586	118.893	0.161274657
## 5444	0.560743213	4.480000e-13	major	0.38610274	140.129	0.433947980
## 5445	0.558560431	1.433908e-03	major	0.03967681	125.036	0.225518405
## 5446	0.608818173	7.090000e-11	major	0.66325337	84.529	0.359874189
## 5447	0.735663116	6.900000e-09	major	0.03757145	93.978	0.609617531
## 5448	0.873900771	2.070000e-07	major	0.02603194	93.284	0.789161325
## 5449	0.773559988	6.940000e-13	major	0.17177784	139.417	0.217482388
## 5450	0.663009703	6.700000e-05	major	0.02907170	189.891	0.673257887
## 5451	0.744783401	1.900000e-08	major	0.02883949	131.912	0.483833820
## 5452	0.939841390	2.450269e-01	major	0.12448008	136.355	0.498299330
## 5453	0.750232160	4.410000e-06	major	0.03348400	105.030	0.555679798
## 5454	0.651576400	2.060000e-11	major	0.30727100	105.002	0.437905610
## 5455	0.491897136	4.370000e-09	major	0.27344939	169.940	0.364104778
## 5456	0.445779413	1.140000e-06	major	0.10868157	177.776	0.492661655
## 5457	0.387033015	1.460000e-09	minor	0.38744986	141.214	0.544033229
## 5458	0.779997826	1.130000e-09	minor	0.34681195	155.697	0.588590086
## 5459	0.348972172	1.860000e-07	minor	0.27595067	146.803	0.550662875
## 5460	0.634552300	6.210000e-06	major	0.03404038	155.943	0.513766229
## 5461	0.934933066	1.980000e-06	major	0.06225333	74.954	0.380350083
## 5462	0.505444348	3.380000e-11	major	0.29496735	139.974	0.171145171
## 5463	0.650734365	5.250000e-10	major	0.28386256	96.962	0.646041930
## 5464	0.326036990	8.704885e-01	major	0.03531393	129.994	0.446100056
## 5465	0.465863138	2.910000e-05	major	0.21456933	87.117	0.342871457
## 5466	0.791697323	7.296379e-01	major	0.04971511	74.032	0.454493791
## 5467	0.543281615	3.540000e-09	major	0.30799717	143.107	0.473085791
## 5468	0.459035933	1.080000e-12	major	0.08785242	124.036	0.312721997
## 5469	0.808679581	3.450000e-09	major	0.04744341	92.213	0.549977422
## 5470	0.485061646	4.760000e-10	major	0.32058820	152.032	0.269978464

## 5471	0.338493168	4.380000e-08	major	0.23716655	120.023	0.478674203
## 5472	0.648034215	1.510000e-08	minor	0.05269298	91.837	0.291302502
## 5473	0.410407990	1.736900e-04	major	0.03627456	119.936	0.190350562
## 5474	0.851112783	3.330000e-08	major	0.28504938	136.652	0.793694019
## 5475	0.266773164	2.440000e-08	minor	0.38835344	82.663	0.380376905
## 5476	0.554682195	8.070000e-11	minor	0.72488594	75.125	0.610561669
## 5477	0.975516915	5.910000e-07	major	0.08142891	118.915	0.297650039
## 5478	0.571644068	6.300000e-06	major	0.32082421	125.006	0.552465916
## 5479	0.473562837	9.390000e-06	major	0.29808548	153.028	0.481932729
## 5480	0.231470004	7.988917e-01	minor	0.03681945	131.233	0.169232756
## 5481	0.319566518	3.277610e-04	minor	0.05817461	94.990	0.297715902
## 5482	0.772701681	6.980000e-05	major	0.06892297	138.231	0.221452951
## 5483	0.459961832	1.309019e-03	major	0.04254577	93.129	0.068027608
## 5484	0.780537248	7.596657e-01	major	0.07469872	179.947	0.114237800
## 5485	0.572768331	2.840000e-09	minor	0.30550218	84.914	0.545064270
## 5486	0.980502248	9.388897e-03	major	0.08639365	163.933	0.447985977
## 5487	0.821878731	2.387456e-02	major	0.09957400	141.026	0.543198287
## 5488	0.781438410	1.790000e-08	major	0.04070636	104.010	0.532252908
## 5489	0.836239815	1.650000e-08	major	0.03330081	145.050	0.596663773
## 5490	0.751451135	4.039006e-01	major	0.11288594	146.032	0.504165828
## 5491	0.837779522	2.304490e-04	major	0.04011069	171.283	0.719536185
## 5492	0.207292765	6.670420e-01	major	0.08247542	172.922	0.592881203
## 5493	0.155270487	1.447791e-01	major	0.46921140	151.290	0.325476021
## 5494	0.492100090	7.955390e-01	major	0.04312563	152.026	0.185529307
## 5495	0.743765891	1.820000e-07	minor	0.04159302	135.064	0.970067561
## 5496	0.626207173	2.380000e-08	major	0.04931030	129.990	0.207423285
## 5497	0.205662340	4.394226e-03	major	0.04607682	155.049	0.434406191
## 5498	0.581594348	1.450000e-07	minor	0.04534536	125.047	0.465062946
## 5499	0.593375266	2.466984e-01	major	0.06013383	107.993	0.770661831
## 5500	0.638374984	1.000000e-05	major	0.04300205	140.005	0.646282017
## 5501	0.622154057	5.836459e-01	major	0.06088419	149.794	0.423539847
## 5502	0.705182076	5.780000e-09	major	0.30998367	80.529	0.388547361
## 5503	0.484607399	2.200000e-07	major	0.17102213	92.001	0.322144240
## 5504	0.975810468	3.770724e-02	minor	0.07291284	92.518	0.440810055
## 5505	0.472010732	1.120000e-06	major	0.03686094	69.942	0.305679291
## 5506	0.668008685	5.640000e-15	major	0.29221115	141.894	0.693814158
## 5507	0.788830876	6.560000e-11	minor	0.25019631	118.929	0.331115603
## 5508	0.748722196	3.180000e-11	major	0.31876340	134.074	0.554597259
## 5509	0.725248098	1.020000e-11	major	0.15452979	133.007	0.478969842
## 5510	0.952456594	2.400000e-09	minor	0.36317673	123.787	0.712376058
## 5511	0.360207736	4.130000e-09	major	0.03806454	97.965	0.497703969
## 5512	0.737014592	1.470000e-05	minor	0.03761502	118.996	0.554357767
## 5513	0.881260574	3.230000e-07	minor	0.09410173	125.855	0.310271114
## 5514	0.171387911	5.233380e-03	major	0.03703073	126.599	0.089695454
## 5515	0.528370023	9.140000e-10	major	0.03940142	106.949	0.780971706
## 5516	0.676526606	9.720000e-06	major	0.02985699	132.783	0.626610816
## 5517	0.329772294	7.830000e-12	major	0.22782669	76.525	0.649757445
## 5518	0.873764455	1.632666e-01	major	0.14898077	92.233	0.839768767
## 5519	0.458008528	6.020000e-05	major	0.06747946	174.147	0.866432071
## 5520	0.042469032	3.294941e-03	major	0.03378007	113.797	0.345929801
## 5521	0.105178811	1.162440e-04	major	0.09689225	122.545	0.418860197
## 5522	0.055580933	2.730000e-08	major	0.03447158	80.573	0.402601212
## 5523	0.473743379	2.160000e-09	minor	0.04911863	116.027	0.570145726
## 5524	0.666647315	6.000000e-11	minor	0.03416241	112.749	0.597171366

## 5525	0.409980863	2.040000e-05	minor	0.03034652	129.175	0.696534455
## 5526	0.431617409	3.950000e-09	major	0.09279865	73.251	0.653513908
## 5527	0.562588453	7.010000e-12	minor	0.02982445	77.560	0.900432944
## 5528	0.578951657	1.770000e-09	minor	0.03436687	119.403	0.879107714
## 5529	0.331033826	9.350000e-07	minor	0.03371760	113.312	0.635680676
## 5530	0.579327822	4.980000e-07	major	0.03072220	147.928	0.781575739
## 5531	0.705381870	1.970000e-05	minor	0.02873706	135.754	0.901924014
## 5532	0.748009861	7.161850e-04	major	0.02978235	139.739	0.824884892
## 5533	0.552338064	1.007211e-03	major	0.04877769	82.000	0.732009053
## 5534	0.720074952	2.316630e-04	minor	0.04087682	140.966	0.458410531
## 5535	0.497790039	1.140000e-07	major	0.03639773	85.843	0.773532867
## 5536	0.352563262	7.640000e-12	major	0.35644829	67.924	0.351925820
## 5537	0.350654393	4.190000e-10	minor	0.02776817	81.208	0.713259101
## 5538	0.537145436	4.830000e-07	minor	0.03628705	110.578	0.808955133
## 5539	0.549383342	1.760000e-10	major	0.03893933	111.398	0.696320534
## 5540	0.510914564	7.239063e-03	major	0.04175707	106.491	0.559181333
## 5541	0.479489863	1.950000e-10	major	0.02787629	109.882	0.670176029
## 5542	0.629787266	3.895713e-02	minor	0.03103313	118.628	0.489007115
## 5543	0.690117657	4.340000e-08	minor	0.02494427	107.839	0.417430252
## 5544	0.330777198	1.992577e-03	major	0.21909614	56.048	0.198053792
## 5545	0.669609189	1.740000e-05	minor	0.03118799	115.674	0.964291036
## 5546	0.914640307	5.349944e-01	major	0.07800461	135.801	0.572441578
## 5547	0.916352332	3.018110e-04	major	0.08101613	98.722	0.905104280
## 5548	0.582514465	4.050000e-06	major	0.03541794	116.803	0.231712580
## 5549	0.550332785	7.424366e-01	major	0.03937805	126.128	0.659911156
## 5550	0.293964624	3.361735e-03	minor	0.03922042	75.353	0.272877723
## 5551	0.847186565	2.368757e-01	minor	0.04111437	98.096	0.565673947
## 5552	0.240660474	2.800000e-05	major	0.04764656	140.411	0.660875380
## 5553	0.741383612	1.337874e-02	major	0.08062846	142.348	0.596079707
## 5554	0.433332115	1.597410e-04	major	0.03762654	113.491	0.916787624
## 5555	0.733118594	1.435700e-04	minor	0.04908653	102.662	0.742238164
## 5556	0.390125155	6.021640e-03	major	0.08509516	95.013	0.602663457
## 5557	0.512147605	4.650000e-05	minor	0.02467030	92.225	0.730005205
## 5558	0.582553685	2.960000e-07	major	0.05948792	144.635	0.230025619
## 5559	0.704419732	1.460000e-09	minor	0.03322101	120.963	0.583211958
## 5560	0.474418640	1.145560e-02	minor	0.02792739	121.716	0.164157659
## 5561	0.209931061	3.095477e-02	minor	0.08405183	83.383	0.680573940
## 5562	0.678074539	1.423727e-01	minor	0.02843334	111.005	0.702615440
## 5563	0.216328457	1.590000e-05	minor	0.03749340	122.674	0.094835296
## 5564	0.440085739	1.490000e-05	minor	0.03191799	132.443	0.367533773
## 5565	0.445651621	2.210702e-02	major	0.02502114	71.583	0.216419086
## 5566	0.917808533	3.324540e-01	major	0.07091796	115.646	0.479341447
## 5567	0.495167255	1.250000e-06	major	0.04101496	118.505	0.531942844
## 5568	0.411629856	8.680000e-05	major	0.02870460	152.126	0.858412921
## 5569	0.515886307	1.320000e-06	minor	0.04127279	154.446	0.670941114
## 5570	0.553786814	1.050997e-03	minor	0.03156574	97.096	0.503066361
## 5571	0.873799801	7.120847e-01	major	0.15181914	131.717	0.095966689
## 5572	0.454773605	2.002933e-01	major	0.04012505	81.435	0.549537301
## 5573	0.509309709	7.570000e-06	major	0.25978032	114.388	0.751773894
## 5574	0.832595348	2.980000e-05	minor	0.04478484	101.188	0.518747032
## 5575	0.193541661	1.451602e-03	major	0.03102118	121.700	0.086222932
## 5576	0.445977598	9.280000e-06	major	0.06522459	92.513	0.639544666
## 5577	0.598112464	3.530000e-06	minor	0.03345868	105.929	0.912700832
## 5578	0.577531993	2.187002e-02	major	0.06757705	100.625	0.884228051

## 5579	0.608284354	3.060000e-07	major	0.05380605	111.465	0.876095653
## 5580	0.767942429	1.590000e-05	minor	0.07656928	125.315	0.772054791
## 5581	0.779036999	1.407391e-01	major	0.04454507	115.425	0.374686331
## 5582	0.785553694	7.560200e-04	major	0.09519981	142.875	0.448531896
## 5583	0.941816032	8.940000e-07	minor	0.03663041	148.723	0.495126694
## 5584	0.432679206	9.080000e-05	major	0.02904555	160.900	0.224413812
## 5585	0.830867171	3.040791e-03	major	0.03596506	181.145	0.933963716
## 5586	0.279984504	1.807101e-03	major	0.03094424	70.580	0.230875462
## 5587	0.461867332	1.520000e-06	major	0.03507853	121.012	0.522683203
## 5588	0.467607051	1.616015e-03	minor	0.03806448	102.445	0.263453871
## 5589	0.720421135	4.674451e-02	major	0.06341103	116.229	0.221751377
## 5590	0.446421355	2.990577e-02	minor	0.03474592	88.591	0.867678165
## 5591	0.019563470	8.540082e-01	major	0.03577267	119.504	0.031204602
## 5592	0.545704305	3.740000e-08	major	0.26945576	73.131	0.757436395
## 5593	0.723038614	6.520000e-06	minor	0.04138447	122.027	0.429291427
## 5594	0.900607109	6.505194e-02	major	0.06703308	131.182	0.816793859
## 5595	0.432384431	1.070879e-02	minor	0.08470451	93.294	0.833511293
## 5596	0.462152719	8.870000e-05	major	0.02793971	98.102	0.784797251
## 5597	0.534343064	3.463588e-03	major	0.02804906	107.119	0.961234868
## 5598	0.210838422	4.376350e-04	major	0.02903117	130.071	0.331259489
## 5599	0.656821966	2.043454e-02	major	0.06700997	78.223	0.592721820
## 5600	0.455822587	5.100000e-07	major	0.02536400	143.287	0.882614911
## 5601	0.270542353	3.750000e-07	minor	0.03153937	74.801	0.577175856
## 5602	0.932018816	1.580000e-09	major	0.09916999	144.751	0.887501836
## 5603	0.488914132	2.676707e-03	minor	0.03316017	109.735	0.846575379
## 5604	0.682286024	7.280000e-06	major	0.04673310	168.968	0.962559164
## 5605	0.743110538	1.327923e-02	major	0.04197839	118.552	0.374114990
## 5606	0.766047716	1.380000e-06	minor	0.11655381	127.331	0.778538525
## 5607	0.759261429	1.040000e-09	major	0.03553760	121.454	0.942903519
## 5608	0.793056011	2.129781e-01	minor	0.03428970	100.697	0.794843554
## 5609	0.572067738	3.530000e-06	major	0.02736618	113.928	0.743962169
## 5610	0.641494572	1.470000e-08	major	0.07989908	113.256	0.875353217
## 5611	0.729799807	7.620000e-07	major	0.23596367	97.026	0.397044539
## 5612	0.180532902	4.560000e-06	major	0.03060106	152.966	0.701464653
## 5613	0.838976145	2.014693e-02	major	0.04429479	121.589	0.960080445
## 5614	0.824073017	9.330475e-02	major	0.14411628	94.017	0.851452887
## 5615	0.648329318	3.570000e-08	major	0.10609104	81.007	0.408656597
## 5616	0.987124801	8.465143e-02	minor	0.15971164	103.160	0.101103738
## 5617	0.534564674	9.910000e-05	major	0.03527126	114.031	0.847644448
## 5618	0.767756820	1.410000e-06	major	0.03637423	132.699	0.748436868
## 5619	0.401417911	1.783050e-04	major	0.06616901	141.640	0.661985397
## 5620	0.876556039	6.504390e-04	minor	0.03204259	100.610	0.836657047
## 5621	0.657957137	3.880000e-07	minor	0.07105011	143.327	0.552862525
## 5622	0.286476463	8.269211e-01	minor	0.03502193	94.329	0.095209919
## 5623	0.484091461	4.380000e-05	minor	0.05578583	130.867	0.933967233
## 5624	0.634375155	1.620000e-05	minor	0.03982769	119.891	0.962531984
## 5625	0.319281340	5.140000e-07	major	0.03364890	115.252	0.735749125
## 5626	0.946408927	8.980000e-07	minor	0.13040590	138.180	0.647249877
## 5627	0.513956308	4.130000e-09	major	0.02740731	132.157	0.216332898
## 5628	0.450453430	5.451792e-03	minor	0.03977275	133.661	0.149447098
## 5629	0.511683822	6.840000e-05	minor	0.04661314	98.691	0.499138951
## 5630	0.585048795	1.653409e-01	minor	0.02513445	106.763	0.590591311
## 5631	0.740728557	3.159734e-02	major	0.08298533	108.989	0.557785153
## 5632	0.468468994	5.997280e-04	major	0.03776295	129.937	0.585672081

## 5633	0.853981972	5.500000e-05	major	0.14660585	114.472	0.539958119
## 5634	0.709137022	8.120000e-08	minor	0.06355222	122.394	0.948465526
## 5635	0.930410028	6.960000e-09	major	0.20756382	109.545	0.644835949
## 5636	0.807735264	1.330000e-05	minor	0.03898478	151.008	0.869354248
## 5637	0.871327221	6.930000e-05	major	0.04554869	123.909	0.882273018
## 5638	0.957271636	1.264154e-01	major	0.07129282	175.729	0.335017532
## 5639	0.678491712	8.275948e-03	major	0.07543503	131.165	0.251185000
## 5640	0.971415281	5.647088e-03	minor	0.06904828	174.192	0.734122336
## 5641	0.938233972	5.600000e-05	major	0.08595411	125.277	0.527156770
## 5642	0.654286921	3.620000e-06	minor	0.05532102	129.537	0.616155326
## 5643	0.854240000	1.298289e-03	minor	0.04282477	131.180	0.787991047
## 5644	0.782618701	2.995519e-03	major	0.03630019	100.864	0.587428868
## 5645	0.682789326	1.073690e-04	minor	0.03234920	131.024	0.881535947
## 5646	0.611556828	6.964289e-01	major	0.03011024	153.252	0.665464222
## 5647	0.840188622	2.394020e-04	major	0.04890773	136.136	0.575569749
## 5648	0.175702557	4.710000e-08	major	0.02853651	89.177	0.582309306
## 5649	0.227889404	8.930000e-06	major	0.03149875	112.891	0.163889796
## 5650	0.754722953	1.744110e-04	minor	0.03374133	102.229	0.715912998
## 5651	0.547475755	1.370000e-05	minor	0.04344074	96.172	0.235334545
## 5652	0.451630145	2.943336e-03	major	0.03479793	117.401	0.739619255
## 5653	0.876078069	8.674250e-04	minor	0.07910691	168.705	0.731764078
## 5654	0.383141845	7.487208e-01	major	0.03751500	114.709	0.523617923
## 5655	0.871498406	2.081586e-02	minor	0.02720569	108.501	0.935775042
## 5656	0.579046249	2.269085e-01	minor	0.05154396	132.671	0.702722609
## 5657	0.939500391	2.590000e-06	major	0.19299681	95.390	0.646519005
## 5658	0.637481034	1.310000e-05	major	0.20543063	96.023	0.762408793
## 5659	0.825018942	2.210000e-07	minor	0.04661863	164.611	0.516209066
## 5660	0.406149060	6.410000e-06	major	0.06608481	97.840	0.792269111
## 5661	0.498113960	2.290000e-07	major	0.02768733	116.271	0.110784352
## 5662	0.705423295	5.097450e-04	major	0.09665602	119.715	0.619255483
## 5663	0.329776883	3.094780e-04	major	0.03303980	109.158	0.712022901
## 5664	0.186314836	5.490000e-06	major	0.03101322	136.173	0.303048193
## 5665	0.990316212	1.569838e-02	major	0.05728280	82.286	0.011569040
## 5666	0.586736083	2.654290e-04	major	0.12204801	115.377	0.593109965
## 5667	0.708828390	2.565950e-04	minor	0.05635609	57.020	0.337879002
## 5668	0.871285141	1.700000e-05	minor	0.04452931	114.962	0.655892611
## 5669	0.814049006	1.090000e-07	major	0.05689752	125.472	0.778491795
## 5670	0.698598802	1.918692e-03	major	0.03709958	128.904	0.935456574
## 5671	0.722797573	1.417350e-02	minor	0.03040177	119.032	0.463600308
## 5672	0.644817591	5.514140e-04	major	0.02708202	82.795	0.383870691
## 5673	0.758973718	7.953910e-04	major	0.03233417	118.265	0.927637160
## 5674	0.901410997	4.290000e-07	minor	0.04101069	134.799	0.838578761
## 5675	0.918497205	2.040000e-08	major	0.03189339	111.136	0.901428938
## 5676	0.925327301	3.098175e-02	minor	0.03986398	200.934	0.881213248
## 5677	0.926763475	7.990190e-04	minor	0.05473943	161.798	0.307536989
## 5678	0.824381828	3.074880e-04	major	0.04532986	118.814	0.866821587
## 5679	0.740428329	9.902456e-03	major	0.06222743	130.851	0.537367702
## 5680	0.952559888	4.750000e-07	minor	0.09599915	84.989	0.568067491
## 5681	0.764266193	7.110000e-05	major	0.22392242	92.799	0.647764623
## 5682	0.768445432	8.930000e-06	major	0.05618464	185.884	0.942835391
## 5683	0.973879218	7.990000e-08	major	0.08276585	129.088	0.531417251
## 5684	0.494279146	1.850000e-05	major	0.11981950	100.482	0.600222111
## 5685	0.383558214	1.350000e-09	major	0.12828092	102.650	0.751762807
## 5686	0.618584931	3.350000e-07	minor	0.15170908	111.173	0.943534374

## 5687	0.818071246	8.490315e-01	major	0.08748995	88.729	0.034110278
## 5688	0.949731827	7.710000e-05	major	0.29419014	94.984	0.323886871
## 5689	0.656121433	1.190000e-08	major	0.04044105	99.828	0.947721362
## 5690	0.656619906	9.521960e-04	minor	0.06312774	119.416	0.359880269
## 5691	0.673368096	8.842738e-01	major	0.07927306	84.743	0.024216460
## 5692	0.464619786	4.680000e-07	minor	0.32138166	102.554	0.301348120
## 5693	0.647737086	1.490000e-05	minor	0.02798131	90.435	0.304842502
## 5694	0.728361845	7.680000e-07	major	0.21061371	101.718	0.794871628
## 5695	0.403751075	1.047366e-03	major	0.06408026	124.524	0.509193897
## 5696	0.727324188	8.602361e-01	minor	0.03652318	92.259	0.540470243
## 5697	0.932603121	9.297197e-02	major	0.07103679	109.111	0.687450707
## 5698	0.541825891	7.017270e-04	major	0.20612110	90.419	0.451526672
## 5699	0.520797372	1.450000e-10	major	0.35915911	90.634	0.701337874
## 5700	0.637119830	8.070000e-11	minor	0.31122175	91.101	0.622149944
## 5701	0.794976413	2.670000e-06	major	0.28842574	103.659	0.521673083
## 5702	0.929786503	6.262887e-01	major	0.06571122	94.629	0.406547099
## 5703	0.535413027	4.931250e-04	major	0.04700191	132.257	0.737685561
## 5704	0.523393095	1.140000e-11	major	0.04226448	133.024	0.855480492
## 5705	0.386909336	5.540000e-05	major	0.05296195	90.645	0.850965858
## 5706	0.504019737	2.120000e-09	major	0.03136468	119.923	0.161463678
## 5707	0.930070579	7.780000e-06	major	0.04132452	92.303	0.689900160
## 5708	0.662032425	5.880000e-09	minor	0.18531156	114.259	0.501926899
## 5709	0.717981219	6.880000e-05	major	0.03794571	176.890	0.917030513
## 5710	0.807668567	4.770000e-06	major	0.06500947	73.788	0.312128812
## 5711	0.685830355	2.621053e-03	major	0.28396919	104.004	0.619117796
## 5712	0.543251812	3.510000e-08	major	0.03238910	139.803	0.242715493
## 5713	0.347425699	2.610000e-06	major	0.03148276	113.717	0.596683800
## 5714	0.583254099	9.341150e-02	major	0.21528965	108.716	0.483060718
## 5715	0.882707059	6.651293e-01	major	0.22762041	122.574	0.223171800
## 5716	0.811214507	1.100000e-10	minor	0.03958436	134.942	0.765443206
## 5717	0.724186063	1.250673e-02	major	0.05196995	102.106	0.691158116
## 5718	0.911357462	1.187497e-03	major	0.04277533	134.949	0.370110691
## 5719	0.472366869	2.460000e-08	minor	0.04304301	102.930	0.602939069
## 5720	0.937633991	6.983210e-04	major	0.07089005	126.195	0.345050663
## 5721	0.911897719	6.901270e-04	major	0.09424257	138.871	0.274432182
## 5722	0.746609628	3.510000e-09	minor	0.06985074	147.518	0.776225507
## 5723	0.703964531	1.870000e-06	major	0.30146715	94.650	0.614870965
## 5724	0.842122018	4.399408e-03	minor	0.03743628	117.102	0.560942113
## 5725	0.765824974	3.460000e-08	major	0.22905153	99.009	0.835040689
## 5726	0.861806154	7.663382e-03	major	0.05231152	132.814	0.962253571
## 5727	0.372821212	3.120000e-08	major	0.02708331	110.214	0.171048179
## 5728	0.900843322	1.800000e-07	minor	0.25045994	108.358	0.520258129
## 5729	0.565270007	6.360000e-06	major	0.03016973	118.364	0.907343328
## 5730	0.733074307	3.072840e-04	major	0.04449415	130.391	0.846922100
## 5731	0.952660024	3.761809e-01	major	0.05429720	121.653	0.882126570
## 5732	0.577839255	8.112419e-01	major	0.18117309	92.139	0.498727351
## 5733	0.554709435	6.460000e-07	major	0.24125746	97.119	0.839307308
## 5734	0.912208676	1.728190e-04	major	0.05643345	116.761	0.719700098
## 5735	0.817234635	1.140000e-08	major	0.04057024	177.342	0.376252085
## 5736	0.665181875	1.830000e-10	minor	0.45532715	203.845	0.609118342
## 5737	0.901394844	1.525750e-03	major	0.02636378	97.862	0.918530941
## 5738	0.443383127	1.821550e-02	major	0.03726739	82.984	0.416024446
## 5739	0.640041411	2.130000e-06	major	0.02937466	102.633	0.953962564
## 5740	0.594867647	3.271202e-02	major	0.03601541	107.473	0.836270988

## 5741	0.740026474	2.770000e-06	major	0.27122989	95.224	0.753531396
## 5742	0.703941464	2.211642e-03	minor	0.08039628	118.242	0.702670574
## 5743	0.836491287	2.008690e-04	major	0.25361678	91.181	0.584569633
## 5744	0.892931998	2.937920e-03	minor	0.09581552	126.492	0.365875036
## 5745	0.752319276	2.723641e-02	major	0.02905724	108.093	0.920816302
## 5746	0.319584966	5.590000e-08	major	0.15409182	73.462	0.580395460
## 5747	0.793392658	7.175885e-01	major	0.16347064	88.902	0.655029833
## 5748	0.575846612	2.059905e-03	major	0.04719388	108.810	0.779716372
## 5749	0.003628545	9.216390e-01	major	0.03504008	69.378	0.085162118
## 5750	0.823165417	7.110000e-06	major	0.09170729	95.830	0.683240294
## 5751	0.484977245	2.310000e-06	major	0.31929782	156.001	0.391740501
## 5752	0.582633555	1.280000e-07	minor	0.03449131	137.534	0.452151775
## 5753	0.506998181	8.410000e-06	major	0.02572947	166.469	0.227474540
## 5754	0.605822206	1.969760e-04	major	0.28610307	100.195	0.210625306
## 5755	0.428156257	2.830610e-01	minor	0.12108810	77.201	0.532669127
## 5756	0.928428650	6.653462e-01	major	0.05256317	95.955	0.706730425
## 5757	0.916902781	4.351852e-03	major	0.06409824	166.520	0.348928452
## 5758	0.370171130	1.390422e-01	major	0.02862018	116.044	0.280249536
## 5759	0.660780907	3.950000e-06	minor	0.16415224	99.883	0.669766009
## 5760	0.556427181	6.237520e-03	major	0.03456906	148.155	0.676560283
## 5761	0.364625126	4.803630e-04	major	0.03069701	85.781	0.075989008
## 5762	0.495185077	1.880000e-09	major	0.02995323	128.228	0.302172065
## 5763	0.780802369	2.046219e-01	major	0.03770214	71.841	0.372293204
## 5764	0.950816095	4.840000e-07	minor	0.04759536	161.748	0.844304919
## 5765	0.559694350	1.569990e-04	major	0.04105847	87.274	0.550627053
## 5766	0.808368385	2.410000e-07	major	0.27549413	93.575	0.832711875
## 5767	0.912335098	7.150000e-05	major	0.22054563	106.236	0.290734500
## 5768	0.526315033	2.260000e-07	major	0.09662203	165.812	0.483465999
## 5769	0.247594163	1.060000e-10	major	0.07069112	171.946	0.664991915
## 5770	0.814426064	1.360000e-10	major	0.30952486	91.888	0.787551880
## 5771	0.501274467	1.460000e-10	minor	0.15448369	128.099	0.582036197
## 5772	0.466166228	7.440000e-06	major	0.36001414	100.170	0.403105378
## 5773	0.808710635	2.160000e-08	major	0.05105096	100.839	0.964197278
## 5774	0.672089636	1.040000e-06	major	0.41194582	206.247	0.687913597
## 5775	0.651753664	1.120000e-05	minor	0.03054236	140.124	0.401333958
## 5776	0.816429675	7.150000e-13	major	0.37024775	200.031	0.788502395
## 5777	0.539293706	5.126283e-01	major	0.17915386	94.580	0.600142300
## 5778	0.550887644	1.570000e-06	major	0.02385548	113.535	0.650108278
## 5779	0.902042210	7.608750e-04	minor	0.29097721	90.447	0.723508120
## 5780	0.371194601	3.840000e-08	minor	0.03051580	115.927	0.342997015
## 5781	0.333773255	5.880194e-02	minor	0.22812958	98.315	0.571330369
## 5782	0.716202915	5.892410e-04	major	0.29592618	99.988	0.655822277
## 5783	0.924421012	1.930000e-07	major	0.06946112	91.651	0.813176453
## 5784	0.711644948	8.080000e-05	minor	0.03239175	124.091	0.803981543
## 5785	0.334991664	2.240407e-01	minor	0.05303567	120.139	0.709832132
## 5786	0.620908797	2.394460e-04	major	0.03396694	113.169	0.363721550
## 5787	0.823094428	6.710000e-08	minor	0.25605583	87.322	0.718578517
## 5788	0.581562996	1.860000e-09	minor	0.06132223	123.145	0.259769648
## 5789	0.763899922	2.640000e-07	major	0.24637881	93.071	0.578604281
## 5790	0.750118434	1.102375e-02	major	0.04175305	93.995	0.952769339
## 5791	0.659234643	5.190000e-09	minor	0.35600632	177.711	0.294782817
## 5792	0.428357363	3.627760e-04	major	0.06544107	181.969	0.740008235
## 5793	0.824764192	1.790000e-06	minor	0.02590186	100.107	0.698309839
## 5794	0.409242481	4.085772e-01	major	0.03960404	119.756	0.231677070

## 5795	0.592275739	3.480000e-05	major	0.49013781	88.729	0.220229864
## 5796	0.629017234	1.760000e-06	minor	0.20517328	95.241	0.570144951
## 5797	0.951009154	1.780000e-06	major	0.04422534	139.540	0.771715045
## 5798	0.727339268	6.158813e-03	major	0.02497179	77.746	0.597956896
## 5799	0.943314433	3.160000e-05	major	0.03395446	99.604	0.788249791
## 5800	0.495744318	1.200000e-05	major	0.02333883	85.523	0.265728444
## 5801	0.321686447	2.310000e-05	major	0.05817440	82.200	0.775830448
## 5802	0.264404625	3.510022e-03	minor	0.03037307	120.014	0.486186296
## 5803	0.468332648	2.070000e-07	minor	0.03275641	140.069	0.486346573
## 5804	0.560091376	2.700000e-05	major	0.29855096	88.299	0.634273231
## 5805	0.734912455	8.600000e-06	major	0.25122800	101.368	0.768498421
## 5806	0.836991608	8.948066e-01	minor	0.05417854	136.992	0.494359761
## 5807	0.455782562	6.880000e-05	major	0.32607567	97.109	0.641635180
## 5808	0.504941881	7.400000e-05	major	0.08281676	171.798	0.756774247
## 5809	0.921142578	4.213571e-02	minor	0.05634165	91.899	0.414277405
## 5810	0.874178767	8.950000e-05	major	0.14625529	101.957	0.689265013
## 5811	0.721072435	3.320000e-06	major	0.02880742	128.749	0.934131086
## 5812	0.863714218	3.476514e-03	major	0.03475501	97.168	0.428385019
## 5813	0.798622251	3.680000e-09	major	0.16391510	97.978	0.549087584
## 5814	0.556415200	5.304404e-01	major	0.02535430	78.049	0.440272570
## 5815	0.504597604	2.430000e-08	major	0.13787603	89.954	0.399605006
## 5816	0.817733586	3.090000e-11	major	0.35894319	81.930	0.726039827
## 5817	0.721046031	1.479890e-03	minor	0.26593319	96.139	0.443503410
## 5818	0.737716794	8.770000e-05	minor	0.10109696	114.713	0.484372944
## 5819	0.822625697	2.580000e-06	minor	0.03226643	114.360	0.608052015
## 5820	0.538619041	1.455987e-03	major	0.20467877	81.998	0.499465138
## 5821	0.506132364	7.150000e-08	major	0.23339264	171.997	0.773404956
## 5822	0.269842774	1.410000e-08	major	0.06457321	142.171	0.868335187
## 5823	0.510407388	1.840000e-11	major	0.28805000	81.012	0.387492210
## 5824	0.757165551	1.870000e-09	major	0.35630593	92.996	0.646386981
## 5825	0.390361756	3.990000e-10	minor	0.03262528	125.313	0.119454890
## 5826	0.774272680	1.700000e-09	major	0.20150742	96.742	0.654834569
## 5827	0.543125331	2.000000e-05	major	0.30221733	75.958	0.337044269
## 5828	0.563325167	9.990000e-07	major	0.04349604	144.600	0.910437763
## 5829	0.597625434	1.230000e-05	major	0.17326412	92.708	0.604743540
## 5830	0.646424353	3.800000e-06	major	0.37166831	92.029	0.752086222
## 5831	0.513264120	1.440000e-06	minor	0.18843731	80.047	0.559551060
## 5832	0.714695990	2.050000e-07	major	0.21445431	90.868	0.654197872
## 5833	0.983433843	6.438010e-04	major	0.06334969	93.838	0.800295353
## 5834	0.671267450	3.668880e-04	major	0.26502073	93.982	0.607317805
## 5835	0.616474152	1.560000e-10	major	0.13015176	111.242	0.924224019
## 5836	0.448972821	1.590000e-07	minor	0.03019616	120.213	0.506275773
## 5837	0.843972683	1.260000e-08	major	0.18105942	107.384	0.410292476
## 5838	0.588014543	2.920000e-09	major	0.47325724	201.541	0.672166169
## 5839	0.686317325	4.130000e-07	major	0.26512787	93.786	0.624992490
## 5840	0.777529418	9.151391e-02	minor	0.23424870	182.132	0.613550544
## 5841	0.667210639	4.560459e-03	minor	0.03283448	157.939	0.485574871
## 5842	0.627389967	2.390000e-10	major	0.05379993	109.821	0.891143799
## 5843	0.557646334	2.922010e-04	major	0.12505233	83.796	0.565852523
## 5844	0.546899140	3.370000e-06	major	0.21792556	92.988	0.776586294
## 5845	0.942470849	1.280000e-06	minor	0.16894396	163.370	0.485874504
## 5846	0.547402382	5.970110e-04	major	0.17130588	86.970	0.732064605
## 5847	0.628970087	3.220000e-06	major	0.29255560	91.793	0.569840550
## 5848	0.709942758	9.280000e-08	major	0.14858299	168.086	0.697720468

## 5849	0.617173195	5.010000e-09	major	0.17739616	94.141	0.536429465
## 5850	0.951155126	2.123123e-03	major	0.14869203	126.265	0.353060335
## 5851	0.541144788	1.420000e-09	major	0.07760833	127.683	0.319422930
## 5852	0.514233410	1.594350e-04	major	0.30350792	93.622	0.697763383
## 5853	0.616543472	3.550000e-05	major	0.03460742	76.326	0.890815377
## 5854	0.828127980	4.890000e-08	minor	0.24087729	158.537	0.578486145
## 5855	0.294239879	4.130000e-06	major	0.05399319	173.543	0.186376363
## 5856	0.775430679	3.380000e-05	major	0.16076525	94.051	0.541864812
## 5857	0.573069513	8.810000e-12	minor	0.05473299	127.132	0.617177904
## 5858	0.719443262	5.100000e-07	major	0.24752897	93.281	0.857958734
## 5859	0.635607600	9.690000e-06	major	0.12532738	93.269	0.702642977
## 5860	0.836970627	5.578465e-01	major	0.06157143	143.970	0.911159933
## 5861	0.438362539	8.330000e-08	major	0.37698457	94.549	0.811694920
## 5862	0.528254211	7.500000e-08	major	0.03207559	58.817	0.341341645
## 5863	0.801892936	8.853130e-04	major	0.10231683	127.931	0.529266000
## 5864	0.678960502	1.490000e-06	major	0.04728879	107.020	0.750903308
## 5865	0.410754889	5.560000e-09	major	0.21705848	84.070	0.666859269
## 5866	0.894608200	5.210173e-01	major	0.16545981	177.809	0.745964706
## 5867	0.753040254	2.710000e-06	minor	0.03831545	90.389	0.555151641
## 5868	0.870285034	1.510000e-05	major	0.12494406	104.708	0.947257638
## 5869	0.813217342	2.300000e-05	major	0.04287020	108.753	0.858709037
## 5870	0.609512269	2.026610e-04	major	0.21695237	99.991	0.464619547
## 5871	0.764736891	2.680000e-09	minor	0.41858345	77.038	0.617557883
## 5872	0.458682567	3.790000e-08	major	0.18930289	103.040	0.697091818
## 5873	0.880724967	6.484830e-04	major	0.12634559	99.255	0.842436552
## 5874	0.706943393	2.760000e-10	major	0.06586961	148.092	0.661027312
## 5875	0.448754609	1.350000e-08	major	0.02641810	122.632	0.206549808
## 5876	0.714910865	6.452558e-01	minor	0.06921556	100.034	0.824920535
## 5877	0.645825803	4.160000e-10	minor	0.28770369	88.641	0.669917941
## 5878	0.402512729	3.510000e-05	minor	0.08443902	82.626	0.447851062
## 5879	0.760442317	1.020000e-09	major	0.03859583	124.935	0.967999995
## 5880	0.580012619	4.708278e-03	major	0.21743014	162.116	0.700460494
## 5881	0.513756514	2.100000e-07	minor	0.03109138	122.062	0.118948907
## 5882	0.954830289	2.830572e-01	minor	0.03768518	129.992	0.962639213
## 5883	0.602690816	7.010000e-08	major	0.22575097	95.936	0.545544684
## 5884	0.994371235	5.736710e-04	major	0.13722940	109.267	0.083041921
## 5885	0.527922094	2.260000e-06	major	0.03094916	128.000	0.180001915
## 5886	0.988668382	9.750000e-07	minor	0.15095453	107.974	0.094078444
## 5887	0.597935855	2.600000e-05	minor	0.11174019	130.373	0.353158921
## 5888	0.972826540	3.570000e-06	major	0.09608860	103.044	0.183061391
## 5889	0.812410414	5.223004e-01	minor	0.05770088	102.031	0.688051879
## 5890	0.849723339	3.840000e-09	major	0.50014973	173.497	0.780623972
## 5891	0.638067305	4.650000e-07	major	0.08029875	94.520	0.643924057
## 5892	0.386389107	1.850000e-05	minor	0.08405372	123.913	0.417426348
## 5893	0.813067973	1.302478e-02	major	0.26922396	94.071	0.603174806
## 5894	0.539468467	3.280000e-05	major	0.21937630	99.567	0.720982969
## 5895	0.707287788	1.056374e-03	minor	0.03908861	93.145	0.761129677
## 5896	0.440603614	8.650000e-06	major	0.03029986	109.813	0.121481590
## 5897	0.441327065	1.840000e-07	minor	0.04070994	108.015	0.591163695
## 5898	0.684674203	1.566107e-03	major	0.05668093	88.997	0.683241546
## 5899	0.476198554	1.580000e-07	major	0.39885303	89.601	0.763898432
## 5900	0.458279312	5.650000e-10	major	0.17599133	145.963	0.207335755
## 5901	0.645188272	1.518567e-03	major	0.30658543	94.998	0.746324539
## 5902	0.668046653	1.020000e-08	minor	0.19780926	84.809	0.532027245

## 5903	0.676404297	2.470000e-07	major	0.12305947	94.151	0.782829762
## 5904	0.964545369	8.265129e-01	major	0.07902829	92.615	0.168285102
## 5905	0.647832215	2.249515e-01	major	0.04881764	99.701	0.673825681
## 5906	0.727743983	8.650000e-06	major	0.31851229	174.144	0.448283255
## 5907	0.623329043	4.190000e-06	minor	0.30254501	99.498	0.714664578
## 5908	0.791027725	6.211331e-01	major	0.04136467	130.059	0.210389555
## 5909	0.533963561	1.730000e-05	major	0.15050241	108.171	0.890391946
## 5910	0.630146742	2.530000e-06	major	0.48055208	74.779	0.747068048
## 5911	0.847323775	1.070000e-09	major	0.26448679	83.778	0.546283543
## 5912	0.617801666	5.690000e-05	major	0.25026783	98.930	0.646012545
## 5913	0.942725301	1.479655e-03	major	0.24489653	95.482	0.217967302
## 5914	0.163841501	2.960000e-09	major	0.47391456	89.059	0.727858186
## 5915	0.473551601	7.460000e-06	minor	0.30060205	83.367	0.495992780
## 5916	0.716510832	4.304974e-01	major	0.05704889	97.350	0.722714365
## 5917	0.406290621	4.670000e-06	major	0.44349867	92.047	0.749722898
## 5918	0.615071595	1.700000e-05	major	0.27190861	78.309	0.469467103
## 5919	0.676087677	2.200000e-06	major	0.06023343	120.464	0.655519664
## 5920	0.608432829	1.290000e-05	major	0.02497436	106.710	0.731173694
## 5921	0.609273612	9.355846e-03	minor	0.15244246	91.019	0.431959033
## 5922	0.547985494	3.580000e-10	major	0.03508595	75.756	0.878517568
## 5923	0.646928310	8.774864e-03	major	0.09034672	80.077	0.931426525
## 5924	0.898909986	3.820000e-09	major	0.44438285	177.166	0.782514811
## 5925	0.749211907	1.636841e-03	minor	0.15184851	93.039	0.495703071
## 5926	0.886198640	2.720000e-08	minor	0.04314963	97.012	0.794690967
## 5927	0.837164283	1.060000e-05	minor	0.03200546	122.028	0.721017599
## 5928	0.611351609	5.710000e-07	minor	0.07681917	102.043	0.343003303
## 5929	0.582577705	2.149380e-04	minor	0.04240821	79.984	0.765346169
## 5930	0.562298119	2.320000e-12	major	0.17015471	90.161	0.653153837
## 5931	0.626550257	6.660000e-05	major	0.02712213	145.955	0.490560174
## 5932	0.787187219	4.870000e-12	major	0.32719466	88.678	0.711895347
## 5933	0.938290298	6.972722e-02	major	0.07608883	100.306	0.825278640
## 5934	0.340483278	2.020000e-07	major	0.02697270	108.946	0.383787632
## 5935	0.364608020	1.720000e-05	major	0.34025964	93.017	0.607276797
## 5936	0.888548076	2.154167e-03	major	0.26097435	131.073	0.586057365
## 5937	0.676259935	8.260000e-09	major	0.39897001	92.901	0.388406098
## 5938	0.494744748	1.857320e-04	major	0.46788526	95.965	0.661030173
## 5939	0.713196456	1.180000e-07	major	0.05784423	140.720	0.741171896
## 5940	0.527231216	3.980000e-06	minor	0.28564081	164.029	0.603137910
## 5941	0.717239678	5.420000e-11	major	0.29226205	92.933	0.555014074
## 5942	0.660591066	1.478179e-03	minor	0.03089396	98.350	0.404158801
## 5943	0.897434294	1.200000e-09	major	0.29112050	166.652	0.868336797
## 5944	0.451229513	5.090000e-12	major	0.31761751	89.970	0.302209288
## 5945	0.769468069	7.290000e-09	minor	0.20889126	91.986	0.595098257
## 5946	0.791491807	1.782039e-01	major	0.06823960	123.225	0.347596496
## 5947	0.839258492	1.200000e-06	major	0.16179620	89.028	0.548330903
## 5948	0.975096226	3.911850e-01	major	0.34423485	199.870	0.701820076
## 5949	0.834445357	1.770000e-05	minor	0.04367699	95.053	0.893937945
## 5950	0.771547854	4.120000e-08	minor	0.28142345	91.108	0.790773094
## 5951	0.547691464	4.250000e-07	major	0.03292283	148.444	0.149644196
## 5952	0.690307081	7.387689e-01	major	0.03185396	108.760	0.440963268
## 5953	0.652616024	5.460000e-06	major	0.20422080	99.931	0.532721341
## 5954	0.633659005	9.540000e-09	major	0.44966459	177.515	0.822219312
## 5955	0.742560029	1.070000e-11	major	0.41768414	94.825	0.680354059
## 5956	0.670929015	1.075615e-02	major	0.04235191	103.993	0.911878526

## 5957	0.953887045	1.370000e-08	minor	0.04756661	178.043	0.932704389
## 5958	0.961239815	1.077723e-01	major	0.05507336	94.059	0.200847834
## 5959	0.836556852	1.480000e-08	major	0.21533874	98.965	0.649103761
## 5960	0.900225163	2.736474e-01	major	0.09280588	141.598	0.297118962
## 5961	0.424781412	2.065170e-04	minor	0.06173221	72.080	0.857013047
## 5962	0.380283326	2.920347e-03	major	0.03763156	149.819	0.491152883
## 5963	0.816586494	1.290000e-06	major	0.44775558	171.932	0.768344164
## 5964	0.773567915	5.310000e-12	major	0.47317702	173.561	0.776191831
## 5965	0.681807041	8.622201e-02	minor	0.02870233	110.857	0.938463449
## 5966	0.894675612	1.319527e-02	minor	0.03775497	128.079	0.209300265
## 5967	0.539873779	2.820000e-06	major	0.02765734	75.880	0.234293208
## 5968	0.837657392	4.740000e-08	major	0.16847926	127.901	0.868107080
## 5969	0.848982155	1.633844e-02	minor	0.03523637	130.588	0.206181526
## 5970	0.937420964	5.302255e-01	major	0.08210532	143.215	0.501760602
## 5971	0.758041322	5.206960e-04	major	0.21422465	105.118	0.651616395
## 5972	0.880698979	1.310937e-01	major	0.58008408	166.895	0.121940337
## 5973	0.831022143	3.650000e-09	major	0.31029388	167.486	0.716532648
## 5974	0.870556414	1.210000e-06	major	0.03928772	103.094	0.699521065
## 5975	0.754810691	1.830000e-08	major	0.03579329	148.300	0.577996850
## 5976	0.481531054	1.104947e-01	major	0.07836775	133.053	0.908530354
## 5977	0.679751635	1.120000e-06	major	0.31760079	85.519	0.815022707
## 5978	0.635401726	3.030000e-09	major	0.02507709	107.330	0.929452419
## 5979	0.800169945	1.225510e-04	major	0.16216311	175.815	0.911564589
## 5980	0.446315914	1.530000e-11	minor	0.07592639	119.489	0.290883005
## 5981	0.639497459	5.104269e-03	major	0.03517958	131.960	0.925043046
## 5982	0.669491231	1.610000e-08	minor	0.26301557	85.133	0.545699716
## 5983	0.588549495	5.340000e-10	major	0.18943518	90.438	0.869025648
## 5984	0.346773267	9.535248e-02	major	0.03200505	128.428	0.151246548
## 5985	0.907460690	3.331164e-03	major	0.05222501	104.348	0.460999191
## 5986	0.771852970	2.760000e-05	major	0.04896999	174.520	0.504628479
## 5987	0.600875854	6.745223e-03	minor	0.02695191	99.958	0.540927172
## 5988	0.420022935	3.180000e-06	major	0.16728713	121.660	0.366792858
## 5989	0.839185774	4.680000e-08	minor	0.23080535	87.587	0.639825821
## 5990	0.945183873	2.370000e-07	major	0.04378473	126.179	0.185920745
## 5991	0.597895563	3.050000e-07	major	0.46281180	149.783	0.740671158
## 5992	0.454806596	6.700000e-05	minor	0.02955035	145.985	0.192546695
## 5993	0.852747858	7.285912e-02	major	0.08080049	151.044	0.931969106
## 5994	0.622333407	3.756329e-03	minor	0.03816890	151.401	0.751607001
## 5995	0.657220662	3.620000e-05	major	0.23302175	70.661	0.912994921
## 5996	0.667357147	3.740000e-10	minor	0.69725656	56.385	0.807205021
## 5997	0.499952257	9.424021e-03	major	0.03028004	113.516	0.959682882
## 5998	0.557194412	5.450000e-13	major	0.30626473	94.032	0.629544437
## 5999	0.894454837	3.090000e-07	major	0.25536489	94.089	0.803463697
## 6000	0.823050797	4.440000e-12	minor	0.24808988	154.081	0.931024611
## 6001	0.258362532	9.130000e-10	major	0.03327594	81.920	0.488852084
## 6002	0.816074789	8.050000e-10	minor	0.30559918	101.959	0.755754828
## 6003	0.559115827	8.578065e-03	major	0.14153001	167.263	0.594245434
## 6004	0.792908013	2.750000e-06	major	0.26784527	94.138	0.929277658
## 6005	0.288103014	2.636606e-02	major	0.05650213	63.060	0.197934717
## 6006	0.774383724	1.690000e-10	major	0.32471397	106.082	0.646387696
## 6007	0.614381075	8.499040e-04	major	0.26686057	90.924	0.495677561
## 6008	0.949201524	5.639088e-02	major	0.07917660	122.799	0.494681597
## 6009	0.921738565	5.850000e-12	minor	0.36820486	193.910	0.431514144
## 6010	0.787728250	8.020000e-06	major	0.15140122	83.499	0.538071215

## 6011	0.639544368	8.452875e-02	minor	0.23253791	140.662	0.267533273
## 6012	0.674451828	1.545490e-04	minor	0.03202153	147.607	0.072801612
## 6013	0.637360811	7.160000e-07	major	0.26970518	77.946	0.749593019
## 6014	0.784682095	4.520000e-08	minor	0.32528386	186.244	0.784991205
## 6015	0.582034945	1.035156e-02	minor	0.17191647	171.973	0.600411594
## 6016	0.617416739	8.890206e-01	minor	0.02637045	91.139	0.560389519
## 6017	0.444709957	1.320000e-05	minor	0.03278187	81.859	0.222980738
## 6018	0.590220511	9.800000e-07	minor	0.75240964	175.800	0.906688988
## 6019	0.683898211	9.602933e-01	major	0.04530290	164.991	0.597481549
## 6020	0.343273580	1.542090e-04	major	0.07100019	83.417	0.724276721
## 6021	0.778030574	9.260120e-03	major	0.07820132	126.198	0.868149042
## 6022	0.839910448	5.380000e-06	major	0.15927012	105.000	0.703503370
## 6023	0.192858160	7.085608e-01	major	0.17331888	68.920	0.498709977
## 6024	0.801774979	2.253813e-03	major	0.22399212	105.061	0.568123281
## 6025	0.978292882	2.810000e-06	major	0.18942326	103.823	0.332190126
## 6026	0.938573480	1.150000e-09	major	0.12566438	177.751	0.893163919
## 6027	0.623253465	9.858760e-04	minor	0.05542592	176.320	0.784811974
## 6028	0.566084743	9.650000e-09	minor	0.16174203	74.869	0.726595521
## 6029	0.489890099	9.037519e-01	minor	0.03474463	78.448	0.075668417
## 6030	0.607755184	1.230000e-09	minor	0.08496642	101.992	0.066446155
## 6031	0.602144599	1.630000e-08	minor	0.04970197	86.328	0.780033112
## 6032	0.855014920	5.530000e-09	major	0.03516385	124.578	0.424005747
## 6033	0.381856769	2.673958e-02	major	0.07646079	83.126	0.635552227
## 6034	0.689662457	8.190000e-05	minor	0.04448377	98.002	0.340610385
## 6035	0.752702653	3.560000e-06	minor	0.12630183	95.039	0.673170269
## 6036	0.512836337	2.160000e-07	major	0.30474892	91.477	0.628386438
## 6037	0.571841598	3.180000e-07	major	0.30071011	95.580	0.924150586
## 6038	0.789431691	9.043258e-02	major	0.07037495	104.133	0.513217986
## 6039	0.707563102	4.420000e-08	minor	0.05645111	104.754	0.620716035
## 6040	0.267869085	5.172366e-02	major	0.02825491	102.623	0.164986104
## 6041	0.929503262	1.320000e-07	major	0.03744414	106.220	0.609459937
## 6042	0.706799865	5.914249e-03	minor	0.03450392	102.974	0.385701984
## 6043	0.071779490	7.760000e-10	major	0.35739768	87.778	0.373659194
## 6044	0.937449992	9.160000e-07	major	0.07686116	137.861	0.156491190
## 6045	0.589207232	1.172589e-02	major	0.04111036	140.785	0.529800296
## 6046	0.806035221	6.830000e-09	minor	0.03191008	153.856	0.776762664
## 6047	0.595751464	3.640000e-11	major	0.11265842	95.502	0.788107693
## 6048	0.602276266	1.889620e-02	minor	0.03407816	166.215	0.532424808
## 6049	0.904966533	7.694078e-01	major	0.05066614	142.461	0.530297339
## 6050	0.546888053	2.280000e-05	major	0.24875262	180.949	0.643650830
## 6051	0.684163153	2.904639e-01	major	0.04184239	113.988	0.616451681
## 6052	0.654956579	4.940000e-05	major	0.10672360	204.701	0.968571901
## 6053	0.764024496	4.110000e-08	major	0.21151109	177.685	0.150537014
## 6054	0.699040413	1.300000e-06	minor	0.05293680	174.218	0.302296907
## 6055	0.436824292	2.960915e-02	minor	0.07060454	117.790	0.962907314
## 6056	0.593818843	6.577563e-03	major	0.02615304	146.564	0.218415678
## 6057	0.974196434	8.310000e-05	major	0.13511363	99.733	0.354441971
## 6058	0.978334308	1.224920e-04	major	0.07754221	94.278	0.524624288
## 6059	0.564249039	2.580000e-06	major	0.24637735	92.952	0.915014446
## 6060	0.841439843	6.480000e-07	minor	0.03448357	88.123	0.458142042
## 6061	0.898073316	7.220400e-04	minor	0.04481260	110.056	0.751135051
## 6062	0.551907063	6.470000e-06	minor	0.02916536	89.969	0.157644704
## 6063	0.745243967	1.760000e-08	major	0.05922321	91.994	0.641231358
## 6064	0.381881863	2.130000e-10	major	0.49080434	92.031	0.653613269

## 6065	0.644619942	7.590000e-06	major	0.19842453	125.216	0.700048566
## 6066	0.280735075	2.290000e-05	major	0.02871797	89.914	0.141263664
## 6067	0.597924829	9.560000e-07	minor	0.10778387	76.505	0.876084983
## 6068	0.678424954	3.802510e-03	major	0.03056189	120.932	0.564179599
## 6069	0.711413026	4.780000e-11	major	0.05419583	118.855	0.381032616
## 6070	0.812935233	1.120000e-05	minor	0.07957250	160.215	0.274888366
## 6071	0.338921994	7.644340e-04	major	0.03691897	77.647	0.244235948
## 6072	0.834109247	1.020700e-04	major	0.04474093	110.065	0.422429830
## 6073	0.905143380	9.247140e-03	major	0.05592573	150.496	0.647944152
## 6074	0.574091434	4.371532e-01	major	0.22816636	143.935	0.171082407
## 6075	0.500402987	1.530000e-06	major	0.03002851	124.037	0.649095893
## 6076	0.728195369	2.750000e-08	minor	0.28729269	83.008	0.633051157
## 6077	0.850119710	3.404969e-03	minor	0.03298167	100.251	0.655178428
## 6078	0.947416484	3.132315e-03	major	0.06909762	143.864	0.264715880
## 6079	0.357039362	7.509857e-01	major	0.22733635	170.369	0.224545598
## 6080	0.384306639	2.692839e-01	major	0.26757202	140.531	0.545553148
## 6081	0.700764000	2.990000e-12	major	0.06033307	107.943	0.554992974
## 6082	0.765662134	9.000000e-09	major	0.37064853	90.545	0.826727033
## 6083	0.814051688	9.839120e-02	major	0.06600862	105.011	0.881600857
## 6084	0.640637934	1.250000e-07	major	0.19657582	76.995	0.256462514
## 6085	0.717845201	1.860000e-06	minor	0.41225854	82.535	0.822011232
## 6086	0.441031665	4.820000e-06	major	0.02511176	95.997	0.263165504
## 6087	0.827782571	2.552650e-04	major	0.07617688	96.952	0.476156324
## 6088	0.898669124	5.814170e-04	minor	0.03015245	152.027	0.531108975
## 6089	0.431923747	4.570000e-06	minor	0.06004380	125.852	0.660821080
## 6090	0.303027987	2.161207e-01	minor	0.02924018	123.468	0.280545831
## 6091	0.361352086	5.057099e-03	minor	0.02730660	134.150	0.288349777
## 6092	0.237918481	1.091146e-02	major	0.03008290	175.960	0.348505139
## 6093	0.855852008	9.310000e-07	major	0.22628860	205.439	0.395214230
## 6094	0.518371224	1.480000e-09	major	0.26661533	117.997	0.223653048
## 6095	0.829334617	6.960000e-11	major	0.49025029	118.934	0.610105157
## 6096	0.689589620	1.280000e-08	major	0.03221323	95.639	0.402537793
## 6097	0.563532472	2.090000e-06	major	0.32828003	95.911	0.851088762
## 6098	0.867914796	3.960000e-10	major	0.15630402	81.018	0.884294808
## 6099	0.759461224	1.550000e-08	major	0.02913177	124.001	0.928353608
## 6100	0.656708956	2.650000e-06	major	0.15747575	138.928	0.751811445
## 6101	0.853438437	2.060000e-07	major	0.21725875	171.297	0.101923734
## 6102	0.868055463	1.350000e-10	minor	0.04831447	93.948	0.533901989
## 6103	0.770170093	1.220000e-06	major	0.31792128	191.692	0.360654622
## 6104	0.641303360	2.060000e-11	major	0.20917660	90.089	0.367756248
## 6105	0.950711548	1.140000e-11	minor	0.08271511	120.030	0.435328662
## 6106	0.621173561	3.670000e-13	major	0.03762530	101.013	0.153676897
## 6107	0.541779518	3.090000e-10	major	0.31256834	164.926	0.628370523
## 6108	0.501330435	7.120000e-08	major	0.03661051	158.179	0.391211629
## 6109	0.732769370	9.230000e-05	minor	0.05299438	108.515	0.658825397
## 6110	0.683310986	1.910000e-08	major	0.21311684	103.027	0.505738974
## 6111	0.939517498	3.113695e-02	major	0.07981435	173.543	0.733402550
## 6112	0.804523051	2.130000e-07	minor	0.22447768	84.130	0.686981142
## 6113	0.568775654	2.939600e-04	minor	0.05586943	129.990	0.829677880
## 6114	0.684968114	5.115210e-04	major	0.03224007	102.192	0.220798746
## 6115	0.751635790	4.460000e-11	major	0.07437702	174.048	0.782769740
## 6116	0.634903908	2.390000e-06	minor	0.16713196	100.984	0.840289891
## 6117	0.629363656	4.430000e-09	major	0.04418745	97.963	0.869662285
## 6118	0.578949690	1.860000e-07	major	0.29485756	169.273	0.876007855

## 6119	0.627399981	1.470000e-09	major	0.03041144	75.656	0.442042202
## 6120	0.782116532	7.080000e-06	major	0.03008633	106.005	0.574597716
## 6121	0.631822824	7.140000e-08	major	0.10206416	83.003	0.789373815
## 6122	0.843209147	8.029320e-04	minor	0.04876594	140.055	0.332292557
## 6123	0.794132352	4.120000e-08	major	0.35284156	98.502	0.832810104
## 6124	0.788753152	3.780000e-08	major	0.03021279	124.013	0.945603907
## 6125	0.891643524	6.160000e-10	minor	0.04822552	149.902	0.966990709
## 6126	0.612516403	9.280000e-08	major	0.19569497	75.018	0.164655477
## 6127	0.705712676	6.490000e-05	minor	0.36326379	167.468	0.720696926
## 6128	0.468983829	1.109060e-04	major	0.19344287	86.811	0.694261432
## 6129	0.620881855	2.460000e-06	major	0.23051833	91.267	0.817269802
## 6130	0.677089691	3.310000e-08	major	0.28330514	101.868	0.583991110
## 6131	0.877706826	1.230000e-05	minor	0.07994425	164.161	0.517056763
## 6132	0.739117205	1.140000e-09	major	0.32360092	173.912	0.592037022
## 6133	0.609069288	8.130000e-08	minor	0.12923378	178.771	0.683597565
## 6134	0.708381772	4.380000e-08	major	0.38942900	147.930	0.322657645
## 6135	0.410971284	6.485580e-04	major	0.04125018	84.944	0.412189156
## 6136	0.737417102	1.860000e-09	major	0.02971173	177.900	0.564994812
## 6137	0.279434949	4.130000e-08	major	0.03224155	147.918	0.151462376
## 6138	0.941906333	7.048658e-03	major	0.08941386	164.542	0.820541680
## 6139	0.391094476	2.772210e-04	major	0.87384957	55.484	0.659630239
## 6140	0.366656780	9.800000e-05	minor	0.63400656	77.198	0.433257133
## 6141	0.857034862	2.434290e-04	major	0.20861046	94.031	0.538089514
## 6142	0.668689489	1.288209e-01	major	0.12590666	80.043	0.651861250
## 6143	0.600442767	1.170000e-07	major	0.03379982	139.265	0.213992387
## 6144	0.930722117	3.110000e-05	minor	0.04988554	120.018	0.549093664
## 6145	0.972782612	2.288580e-04	major	0.16336562	105.520	0.386638582
## 6146	0.744704962	7.310125e-01	major	0.04776683	142.004	0.330060840
## 6147	0.989883959	1.565200e-03	major	0.09243683	145.607	0.334326982
## 6148	0.806576848	2.000000e-05	major	0.23333859	85.984	0.617923856
## 6149	0.912274480	5.420000e-05	major	0.05657202	114.693	0.573988318
## 6150	0.554135323	1.160000e-08	major	0.03363976	151.953	0.489230603
## 6151	0.855673075	8.340000e-05	minor	0.12249359	91.995	0.872239888
## 6152	0.927649021	9.081179e-03	major	0.08313093	145.034	0.521479487
## 6153	0.694519043	2.084115e-03	major	0.03671942	132.188	0.614722550
## 6154	0.799344242	1.690000e-06	major	0.04420930	139.718	0.315170348
## 6155	0.912056625	4.370000e-07	major	0.16663541	105.984	0.654562831
## 6156	0.874286294	1.480000e-06	minor	0.03726169	100.636	0.487893492
## 6157	0.588498890	1.270000e-11	major	0.25534898	93.984	0.813949168
## 6158	0.835808873	8.892501e-02	major	0.10546247	97.752	0.748767316
## 6159	0.869046807	1.236150e-04	minor	0.13154916	159.229	0.347337484
## 6160	0.521495879	2.548104e-03	major	0.04774383	125.079	0.038338169
## 6161	0.906653583	7.820000e-05	minor	0.08986434	81.291	0.303775996
## 6162	0.879551589	9.750000e-07	major	0.03728979	158.776	0.970668375
## 6163	0.852914691	1.520000e-07	minor	0.04314136	112.558	0.359927565
## 6164	0.878504694	1.490000e-05	major	0.02958786	109.100	0.692849636
## 6165	0.722145677	2.310000e-07	minor	0.41604173	71.413	0.574011564
## 6166	0.376698196	2.420000e-08	major	0.03439897	85.714	0.244987473
## 6167	0.920609236	3.405110e-04	minor	0.05480096	140.000	0.754854858
## 6168	0.572234929	5.310885e-03	minor	0.07752315	157.974	0.558454692
## 6169	0.773757160	3.464151e-02	major	0.04388632	112.968	0.758735240
## 6170	0.934262931	6.040000e-06	minor	0.02882894	139.998	0.975165844
## 6171	0.993679464	6.850000e-06	minor	0.13788082	134.349	0.601249456
## 6172	0.896344244	1.350000e-07	major	0.08388490	94.263	0.495642215

## 6173	0.911831379	2.259020e-04	major	0.04074198	153.885	0.565620780
## 6174	0.992617488	2.206527e-03	minor	0.17208040	102.576	0.196932614
## 6175	0.989947200	9.897370e-04	minor	0.05992786	101.174	0.407791823
## 6176	0.790359378	1.230000e-07	major	0.30655509	85.339	0.674938083
## 6177	0.632799208	6.010000e-08	minor	0.51217550	92.983	0.872935653
## 6178	0.786361635	2.800000e-06	major	0.06623000	197.342	0.852904558
## 6179	0.846135914	3.180000e-06	major	0.04988970	106.464	0.618398070
## 6180	0.513027072	3.900000e-08	major	0.04283777	112.161	0.225099429
## 6181	0.824397862	1.031200e-04	major	0.08478359	127.021	0.413573653
## 6182	0.144788548	8.160000e-07	major	0.03674487	133.551	0.276455164
## 6183	0.841241062	8.614218e-01	minor	0.05233986	159.747	0.129490197
## 6184	0.802768290	1.520000e-07	major	0.15591031	149.998	0.926684737
## 6185	0.811895907	4.615589e-01	major	0.02675452	74.028	0.902702093
## 6186	0.664599597	1.520000e-06	minor	0.30831191	158.521	0.621685922
## 6187	0.617743015	1.540000e-08	major	0.08091117	152.701	0.745821774
## 6188	0.745599866	1.450000e-06	major	0.11126544	79.880	0.919636190
## 6189	0.261313111	2.590000e-06	major	0.26148862	75.354	0.565073490
## 6190	0.956157506	1.312663e-02	major	0.29286057	159.982	0.376950532
## 6191	0.467061013	9.540000e-12	major	0.13783358	138.007	0.702171266
## 6192	0.935532928	1.300000e-10	major	0.09166371	148.112	0.233570889
## 6193	0.619284987	1.480000e-13	major	0.19914657	120.125	0.325589687
## 6194	0.637633026	1.230000e-10	major	0.79631644	116.268	0.884402752
## 6195	0.474044144	1.010000e-07	minor	0.27433637	150.068	0.824963331
## 6196	0.915447474	7.370000e-05	minor	0.16709818	169.161	0.418534845
## 6197	0.871043384	5.486304e-01	minor	0.07542225	94.876	0.199387386
## 6198	0.938333035	1.050000e-10	minor	0.23815761	168.417	0.561940253
## 6199	0.988440514	7.860000e-05	major	0.06389167	186.113	0.768944144
## 6200	0.965899229	8.136140e-01	minor	0.27433720	87.915	0.094871379
## 6201	0.542662680	9.160360e-04	minor	0.44442704	93.902	0.597733378
## 6202	0.819416463	9.398396e-03	major	0.15588137	176.010	0.453956664
## 6203	0.470597208	5.080000e-09	minor	0.48281926	199.765	0.780779123
## 6204	0.953143239	7.380000e-08	minor	0.05152507	105.236	0.479659140
## 6205	0.561133325	4.230000e-12	minor	0.78219289	82.541	0.578645945
## 6206	0.499415666	2.850000e-05	minor	0.04298574	82.001	0.776650131
## 6207	0.289600879	1.550000e-08	major	0.03205980	134.168	0.332666248
## 6208	0.011199877	9.018638e-01	major	0.05497498	130.960	0.092336170
## 6209	0.604093850	4.057916e-03	minor	0.02508716	84.067	0.679436147
## 6210	0.562987387	2.980000e-05	minor	0.02500514	97.050	0.782690883
## 6211	0.900898278	1.240000e-09	major	0.32016504	100.266	0.780164063
## 6212	0.199463755	3.040000e-11	minor	0.03331804	119.485	0.394401580
## 6213	0.476503193	1.370000e-10	major	0.10816205	119.928	0.684978962
## 6214	0.689098477	2.710000e-09	major	0.18203434	143.979	0.739998460
## 6215	0.950806499	1.140000e-05	minor	0.15076238	95.031	0.510359049
## 6216	0.556303918	1.070000e-05	minor	0.03435062	111.987	0.250655442
## 6217	0.484528154	9.430000e-11	major	0.03279515	126.103	0.229260936
## 6218	0.567797720	4.800000e-05	minor	0.04638532	127.939	0.750976264
## 6219	0.849385023	2.050000e-06	minor	0.08277972	120.014	0.843812346
## 6220	0.811519980	1.681670e-04	major	0.18218397	171.760	0.503845155
## 6221	0.887514055	1.720261e-03	minor	0.03618275	115.993	0.654603660
## 6222	0.863650382	1.330000e-07	major	0.03519647	167.154	0.713176429
## 6223	0.440014929	1.800000e-08	minor	0.05423576	78.505	0.349851400
## 6224	0.836113453	9.485637e-03	minor	0.11992810	112.074	0.380464226
## 6225	0.908333838	1.530000e-05	major	0.04679126	138.882	0.749476194
## 6226	0.124782830	1.203843e-03	major	0.04796906	79.290	0.125430137

## 6227	0.775240004	2.000000e-09	major	0.08571083	172.071	0.576448083
## 6228	0.372528106	3.270000e-07	major	0.03280715	131.975	0.293112010
## 6229	0.794723868	4.260000e-07	minor	0.03816627	124.906	0.674689531
## 6230	0.622135818	2.740000e-09	major	0.21530061	91.989	0.633037090
## 6231	0.877484798	6.610000e-11	minor	0.26425013	92.165	0.779386520
## 6232	0.846880853	5.730000e-05	minor	0.26481703	83.947	0.739836693
## 6233	0.629382968	2.230000e-06	minor	0.22396915	90.681	0.865143478
## 6234	0.798383355	9.630000e-11	minor	0.20888162	82.986	0.447979718
## 6235	0.732902825	4.250000e-07	major	0.35524434	101.533	0.767464221
## 6236	0.894246459	1.063976e-02	minor	0.03694387	124.102	0.310432822
## 6237	0.709085584	7.690000e-11	major	0.29492945	90.033	0.708343565
## 6238	0.634645879	1.015916e-02	minor	0.09946756	126.721	0.314840108
## 6239	0.078038782	4.170000e-05	major	0.04017323	135.660	0.115197502
## 6240	0.942208230	1.430000e-05	major	0.07196623	149.748	0.547951460
## 6241	0.865606129	1.530000e-06	minor	0.10766139	176.041	0.569313109
## 6242	0.978537500	4.704309e-01	major	0.10334376	190.046	0.150392622
## 6243	0.825253487	1.760000e-06	major	0.29873237	86.723	0.547501147
## 6244	0.632910788	2.668920e-04	minor	0.10236991	124.042	0.762861252
## 6245	0.819323957	1.973298e-03	minor	0.23803973	179.999	0.250045180
## 6246	0.981479228	1.590000e-08	minor	0.12825946	101.423	0.715527773
## 6247	0.400583774	2.256665e-02	major	0.03214538	135.765	0.285765111
## 6248	0.789872587	4.422900e-04	major	0.03706404	150.383	0.542373121
## 6249	0.427919030	3.850000e-08	major	0.13936180	74.396	0.323385268
## 6250	0.872374892	8.810000e-06	major	0.09607056	159.907	0.814748883
## 6251	0.641512930	5.910000e-09	minor	0.03703210	123.836	0.869411051
## 6252	0.944197655	3.453116e-03	major	0.08674023	174.031	0.589289188
## 6253	0.485852540	7.440000e-10	major	0.02828297	73.864	0.604496300
## 6254	0.702433169	5.840000e-09	major	0.03344366	178.493	0.406608164
## 6255	0.669187546	5.510000e-05	major	0.10977358	90.003	0.425746173
## 6256	0.652540863	7.430000e-07	major	0.03400429	117.801	0.296127290
## 6257	0.662673593	3.180000e-05	major	0.09929906	202.060	0.883166730
## 6258	0.863034427	1.070000e-09	major	0.27014339	77.620	0.768338084
## 6259	0.756874502	9.450000e-09	major	0.02534066	93.020	0.299122036
## 6260	0.859552085	2.660000e-11	minor	0.15179220	95.997	0.686739564
## 6261	0.898545921	2.050000e-08	minor	0.03761746	109.993	0.455389440
## 6262	0.692423344	6.082560e-03	major	0.41016877	96.946	0.526641488
## 6263	0.882915974	6.330000e-11	minor	0.31083646	170.095	0.513583124
## 6264	0.940838635	6.000000e-09	major	0.20239584	158.483	0.721795559
## 6265	0.924537718	1.580000e-08	major	0.08940471	112.009	0.423567504
## 6266	0.644520164	1.300000e-09	major	0.22334912	96.394	0.655229330
## 6267	0.680036187	1.860000e-09	minor	0.22880033	101.652	0.590560138
## 6268	0.630016565	1.070000e-08	major	0.16185047	78.516	0.295309752
## 6269	0.931704342	2.620000e-10	major	0.11323315	161.973	0.740664542
## 6270	0.481825680	1.360000e-09	minor	0.12920372	100.969	0.211988330
## 6271	0.641831875	3.680000e-05	minor	0.10920218	107.006	0.546617329
## 6272	0.885897577	1.070000e-08	major	0.04555009	81.811	0.753175914
## 6273	0.949486911	7.166468e-03	major	0.08909646	179.965	0.433963895
## 6274	0.086923823	7.137563e-01	major	0.03809036	135.483	0.038993362
## 6275	0.743596673	2.480000e-10	minor	0.11971165	78.953	0.619461238
## 6276	0.877352476	7.928900e-04	major	0.17811383	190.103	0.293778539
## 6277	0.568775117	6.640000e-07	major	0.02593915	147.870	0.356562078
## 6278	0.620229065	4.520000e-08	major	0.41568145	129.370	0.609169364
## 6279	0.237447441	5.979624e-01	major	0.03768391	73.336	0.177122489
## 6280	0.703965008	3.850000e-08	major	0.24678290	93.388	0.481845260

## 6281	0.706388533	5.580000e-07	minor	0.02805269	152.080	0.195895746
## 6282	0.979893804	1.650000e-06	minor	0.07087311	103.106	0.316914737
## 6283	0.706787348	2.550000e-06	major	0.10558250	111.738	0.698538244
## 6284	0.622883260	6.360000e-09	major	0.02504085	79.017	0.270370245
## 6285	0.543515205	8.598630e-03	major	0.02524431	105.941	0.300006002
## 6286	0.482333779	8.790000e-07	major	0.05171021	116.025	0.198919460
## 6287	0.948631406	6.386206e-01	major	0.05651593	113.054	0.581442356
## 6288	0.067120366	9.235064e-01	major	0.03929456	96.787	0.094531961
## 6289	0.226071328	3.534560e-04	major	0.03408362	137.916	0.104385532
## 6290	0.743984222	1.705184e-02	minor	0.06207402	175.922	0.722198367
## 6291	0.538391650	6.020000e-07	major	0.04501059	136.518	0.188722461
## 6292	0.547655106	8.411561e-01	major	0.05607661	133.005	0.977235675
## 6293	0.940098405	9.420000e-05	minor	0.06960213	130.198	0.368641347
## 6294	0.723336935	3.160000e-09	major	0.21140426	80.634	0.365069836
## 6295	0.703648031	1.170000e-05	minor	0.03867599	153.002	0.554883957
## 6296	0.956422627	8.218540e-04	major	0.06195055	161.132	0.924081266
## 6297	0.646573365	2.790000e-05	major	0.08001700	123.858	0.826542735
## 6298	0.570980310	9.020000e-08	minor	0.03488113	133.078	0.937109888
## 6299	0.961879253	1.341326e-02	major	0.04419509	112.995	0.833414495
## 6300	0.980497360	1.130000e-06	major	0.29508004	193.853	0.440583646
## 6301	0.691627622	1.320000e-07	major	0.13949500	140.326	0.949779034
## 6302	0.524487495	2.860000e-07	major	0.11573531	74.989	0.643592119
## 6303	0.643077672	1.420000e-06	major	0.08880771	120.012	0.582148194
## 6304	0.817950785	6.510000e-06	major	0.15478699	100.012	0.648314714
## 6305	0.895273268	1.670000e-07	major	0.15026803	121.511	0.471629083
## 6306	0.565801501	4.500000e-09	major	0.27995586	95.915	0.655611753
## 6307	0.803582251	2.290000e-06	minor	0.13450956	84.952	0.643499494
## 6308	0.547744453	1.480000e-06	major	0.03697258	115.144	0.476842433
## 6309	0.681176245	1.600000e-07	major	0.30883908	117.994	0.842529356
## 6310	0.672739983	3.930000e-11	major	0.09751832	74.979	0.232929230
## 6311	0.810267925	5.870000e-06	major	0.10117373	84.819	0.739206374
## 6312	0.807247579	6.480000e-07	minor	0.04865345	86.652	0.939137399
## 6313	0.750877678	4.400000e-13	minor	0.35687515	126.806	0.590786457
## 6314	0.711923480	8.865030e-04	minor	0.13185178	134.380	0.692229211
## 6315	0.774984121	1.570000e-13	major	0.20376608	86.076	0.280349880
## 6316	0.820681453	5.180000e-08	major	0.03348810	99.995	0.428994477
## 6317	0.611079931	7.425035e-01	major	0.03370873	83.101	0.275987536
## 6318	0.438087702	2.470000e-07	major	0.35012347	85.241	0.446497679
## 6319	0.897602916	1.007663e-03	major	0.31685981	89.034	0.825670063
## 6320	0.938703418	5.500000e-07	minor	0.09161512	95.997	0.393947661
## 6321	0.965493739	1.850000e-08	major	0.34230876	165.803	0.492278129
## 6322	0.771322489	3.210000e-12	minor	0.36940399	152.174	0.660118639
## 6323	0.820146084	6.850000e-07	major	0.23982018	97.732	0.625267744
## 6324	0.380707324	3.210000e-05	major	0.10145300	160.268	0.258206606
## 6325	0.960130394	8.744186e-01	major	0.06611431	174.020	0.533140123
## 6326	0.598176181	3.300000e-07	major	0.02687239	147.972	0.431945264
## 6327	0.621251285	1.025651e-02	major	0.30578005	159.967	0.568016052
## 6328	0.914214134	5.130000e-10	major	0.46578845	75.832	0.517601430
## 6329	0.283962429	5.155498e-03	major	0.04424411	133.205	0.685548723
## 6330	0.809940577	3.490000e-05	minor	0.13228731	95.006	0.759765089
## 6331	0.607968211	4.410000e-06	minor	0.08814886	78.399	0.512175381
## 6332	0.813692570	4.492740e-04	major	0.24411088	156.345	0.490808427
## 6333	0.570290685	1.450000e-11	major	0.19720592	93.478	0.676532865
## 6334	0.312093168	3.960000e-05	major	0.02845710	107.611	0.402351469

## 6335	0.771881938	1.510000e-08	minor	0.19180492	96.046	0.654160976
## 6336	0.134555906	4.870000e-06	minor	0.03133858	80.531	0.234478205
## 6337	0.880255580	1.490000e-07	major	0.21523993	95.001	0.659386456
## 6338	0.298769414	9.050208e-01	minor	0.03575366	95.055	0.036959480
## 6339	0.799650669	2.180000e-07	major	0.17876144	104.001	0.538403273
## 6340	0.629798532	3.330000e-10	major	0.38145497	90.889	0.609899819
## 6341	0.938704371	1.440000e-07	minor	0.06031756	176.022	0.429131150
## 6342	0.940518677	1.590000e-06	minor	0.07939941	99.146	0.658371508
## 6343	0.902127564	4.202960e-04	minor	0.09886421	96.017	0.605572164
## 6344	0.897042751	4.590000e-08	major	0.07764443	137.539	0.352496356
## 6345	0.642090678	9.070000e-07	major	0.03500467	146.790	0.860097110
## 6346	0.765877008	3.700000e-05	minor	0.02673217	88.013	0.451766968
## 6347	0.938351750	6.120000e-05	major	0.17822026	125.772	0.578922212
## 6348	0.493525773	6.030000e-07	major	0.02699506	119.999	0.206475571
## 6349	0.884470046	2.560000e-05	major	0.06231902	96.806	0.678149819
## 6350	0.497692823	3.450000e-06	major	0.02574669	79.704	0.268083274
## 6351	0.800474107	1.680000e-09	major	0.29798517	120.226	0.482846677
## 6352	0.655744195	7.070000e-09	minor	0.18685678	76.505	0.606309593
## 6353	0.594513357	7.630000e-12	minor	0.06471471	193.197	0.714722276
## 6354	0.630269349	2.940000e-09	major	0.36548337	82.252	0.698445618
## 6355	0.818581700	2.420000e-05	minor	0.07514837	139.958	0.486228377
## 6356	0.874568284	6.240000e-08	major	0.04449672	101.693	0.764562488
## 6357	0.814077675	3.570000e-08	major	0.07059517	95.015	0.847391367
## 6358	0.307184905	6.232915e-01	major	0.03474589	116.308	0.065851346
## 6359	0.902291894	3.810000e-12	major	0.16864985	95.321	0.819505095
## 6360	0.940109670	1.110000e-07	minor	0.06351275	149.934	0.504519999
## 6361	0.600544214	7.280000e-12	major	0.04226863	117.013	0.710984051
## 6362	0.761535466	1.137393e-02	major	0.03150827	134.023	0.967835188
## 6363	0.925570667	8.600000e-10	major	0.22650221	108.889	0.656729579
## 6364	0.473356962	1.474440e-01	major	0.06118932	85.003	0.564181745
## 6365	0.640182674	5.200000e-07	minor	0.04577947	133.035	0.960923374
## 6366	0.555065334	8.556176e-01	minor	0.03662439	100.010	0.523321569
## 6367	0.665288091	9.030000e-07	minor	0.24972591	144.963	0.400316000
## 6368	0.343911916	1.408270e-04	major	0.03760291	178.102	0.244009316
## 6369	0.628542006	1.840000e-12	major	0.13013683	129.869	0.428497285
## 6370	0.575282574	2.770000e-11	major	0.09162142	80.017	0.654493034
## 6371	0.854558587	1.498730e-04	major	0.06295291	120.913	0.816694260
## 6372	0.905581951	9.260000e-06	major	0.07349813	172.977	0.730796754
## 6373	0.815323591	2.540000e-10	major	0.29799178	178.119	0.559066057
## 6374	0.590288937	8.204355e-01	major	0.28128034	183.871	0.422754109
## 6375	0.885360420	4.920245e-01	major	0.04731800	109.727	0.554480910
## 6376	0.694871604	9.290000e-09	major	0.45530844	81.470	0.587223172
## 6377	0.782724559	4.920000e-07	major	0.03484738	128.002	0.862990499
## 6378	0.445721388	9.285573e-01	major	0.04339221	111.029	0.226853192
## 6379	0.176120058	3.842753e-02	major	0.03858572	99.639	0.073026903
## 6380	0.912747145	6.830000e-05	major	0.04804245	120.004	0.630348682
## 6381	0.627024472	1.140000e-05	minor	0.04159532	92.163	0.359115720
## 6382	0.916776836	7.760000e-05	major	0.04437643	132.246	0.328775644
## 6383	0.577022672	8.760000e-09	minor	0.06121619	84.003	0.609285235
## 6384	0.805664659	1.450000e-07	major	0.07964697	92.502	0.592610240
## 6385	0.826437473	2.220000e-05	minor	0.25509685	170.047	0.800538838
## 6386	0.765280902	8.190000e-08	major	0.03556987	119.954	0.737152696
## 6387	0.802924335	1.973844e-01	major	0.12209707	104.990	0.363929510
## 6388	0.374478787	1.248533e-03	major	0.02775852	132.046	0.300727606

## 6389	0.785216391	2.770000e-10	minor	0.32142711	74.762	0.458551645
## 6390	0.946991265	9.110760e-01	minor	0.10064366	98.986	0.093107238
## 6391	0.955708325	1.320000e-05	minor	0.07234478	168.990	0.528738618
## 6392	0.617963791	5.900000e-10	major	0.08372454	78.716	0.439507067
## 6393	0.899771869	2.600000e-08	major	0.39174110	145.042	0.391239434
## 6394	0.770031273	1.670000e-09	major	0.31102619	120.427	0.478777736
## 6395	0.606971085	7.440000e-08	major	0.04318580	93.132	0.345511198
## 6396	0.938934147	3.566930e-04	minor	0.05646637	101.953	0.351316154
## 6397	0.689844668	1.350000e-14	major	0.14902234	83.985	0.565733075
## 6398	0.487545282	2.450930e-04	minor	0.15367071	110.069	0.163964629
## 6399	0.626740158	8.560000e-10	minor	0.40292516	133.993	0.845593393
## 6400	0.832337618	9.720000e-10	major	0.17575805	92.016	0.715626061
## 6401	0.557011604	3.850000e-07	major	0.03154291	57.007	0.545342386
## 6402	0.837209404	3.430000e-05	minor	0.08112957	150.993	0.382327855
## 6403	0.614741325	9.160000e-06	minor	0.14599302	144.748	0.668900311
## 6404	0.870560169	5.240000e-11	minor	0.11776664	121.569	0.451597810
## 6405	0.613123834	8.020000e-12	major	0.25221980	83.317	0.582781255
## 6406	0.841140747	1.142546e-03	major	0.15021949	95.321	0.801803291
## 6407	0.843498826	5.930000e-08	major	0.17783596	150.001	0.479029000
## 6408	0.513662159	2.210000e-10	minor	0.36709288	109.981	0.422300726
## 6409	0.518708110	5.353800e-04	major	0.04324817	72.847	0.140302896
## 6410	0.752499223	1.650000e-08	major	0.20437385	78.008	0.528999865
## 6411	0.754898310	2.550000e-05	major	0.07351635	107.951	0.875084102
## 6412	0.279673219	2.100000e-10	major	0.11501245	114.313	0.333142191
## 6413	0.628961325	3.780000e-12	minor	0.19242649	89.823	0.527399242
## 6414	0.031609669	7.686479e-01	major	0.05025939	168.713	0.964644611
## 6415	0.988486409	7.483127e-01	major	0.08545532	104.343	0.354675740
## 6416	0.476526916	1.240000e-06	major	0.03965066	94.932	0.142825007
## 6417	0.940117002	6.440000e-05	minor	0.04724142	121.994	0.783388972
## 6418	0.877887964	5.360000e-12	major	0.04901971	149.027	0.386483908
## 6419	0.547462702	3.980000e-06	major	0.23761697	90.026	0.569235563
## 6420	0.767634451	4.670000e-09	major	0.29044378	95.114	0.101764753
## 6421	0.871414781	6.700000e-05	major	0.04003644	141.997	0.254330397
## 6422	0.580883563	2.680000e-12	major	0.30385730	160.901	0.501848102
## 6423	0.794233680	5.370000e-07	minor	0.03935774	149.862	0.776309550
## 6424	0.353065461	4.103107e-01	minor	0.05310794	71.517	0.308908671
## 6425	0.624224007	1.375480e-04	major	0.03453071	129.978	0.877853513
## 6426	0.897598207	1.200000e-08	major	0.24580124	154.673	0.382764578
## 6427	0.709801376	1.930000e-11	major	0.39613366	90.846	0.382410854
## 6428	0.919358015	2.690000e-06	major	0.16390389	193.722	0.757370412
## 6429	0.739877880	2.060000e-07	major	0.35636887	166.005	0.477358073
## 6430	0.843103230	4.860000e-06	major	0.03535745	135.648	0.139151767
## 6431	0.852875412	2.130000e-12	minor	0.25247401	173.066	0.746481121
## 6432	0.949745476	4.540000e-08	major	0.06131612	92.537	0.639913261
## 6433	0.707860291	4.170000e-07	major	0.31012648	80.228	0.767315447
## 6434	0.806629241	5.990000e-08	minor	0.10583451	72.983	0.834788859
## 6435	0.789088726	1.198820e-04	major	0.25231025	96.741	0.591645181
## 6436	0.409411013	8.671563e-02	major	0.02961613	131.562	0.163135707
## 6437	0.793157101	5.650000e-05	minor	0.04681854	136.960	0.648131430
## 6438	0.882386088	2.250000e-05	major	0.24599858	104.987	0.605200589
## 6439	0.887908876	1.650000e-06	minor	0.06811836	163.014	0.560976803
## 6440	0.822599113	1.720000e-05	major	0.03474892	96.816	0.502261877
## 6441	0.630807817	1.540000e-06	major	0.30836651	80.108	0.732789159
## 6442	0.945428431	1.390000e-08	major	0.11761607	104.997	0.643755734

## 6443	0.572891772	2.060000e-07	major	0.09826670	138.033	0.356397152
## 6444	0.946025968	3.530000e-06	major	0.09479065	162.904	0.844181657
## 6445	0.762093961	1.100000e-11	major	0.03658003	100.028	0.434234887
## 6446	0.970327497	1.050000e-05	major	0.08149080	176.951	0.599799395
## 6447	0.679794788	2.550000e-10	major	0.09209121	140.947	0.576329470
## 6448	0.650623441	5.610000e-08	minor	0.02719960	109.201	0.899006903
## 6449	0.859564245	1.170000e-07	major	0.16656962	91.939	0.562617958
## 6450	0.572214007	2.620000e-06	major	0.14922456	90.939	0.569135308
## 6451	0.975705922	3.480490e-04	minor	0.10846323	174.719	0.748607159
## 6452	0.657564580	5.393060e-04	minor	0.04049850	129.977	0.340918690
## 6453	0.945220888	4.040000e-08	major	0.13828890	161.954	0.454863220
## 6454	0.839588106	4.690000e-06	major	0.05036297	149.988	0.646425545
## 6455	0.806874633	2.798748e-01	major	0.03495457	103.038	0.559386373
## 6456	0.841263771	8.343470e-04	major	0.05525395	150.072	0.746928930
## 6457	0.041504435	3.880693e-03	major	0.03451406	79.111	0.140249848
## 6458	0.660572171	1.260000e-11	minor	0.06874067	130.009	0.768927097
## 6459	0.893545866	2.470000e-07	major	0.05003200	90.207	0.526479185
## 6460	0.865646183	5.460000e-11	major	0.03225092	158.037	0.724395990
## 6461	0.725732327	1.996090e-04	major	0.03650457	108.962	0.364348203
## 6462	0.730940819	1.800000e-05	major	0.05879664	97.864	0.827576756
## 6463	0.649901927	4.080000e-11	minor	0.22662027	143.922	0.685345829
## 6464	0.772126794	1.727670e-01	major	0.03711217	135.737	0.290726751
## 6465	0.664838672	2.510000e-06	major	0.12444242	168.290	0.243042201
## 6466	0.597024202	1.399650e-04	major	0.02303761	96.961	0.628931642
## 6467	0.248952746	2.960000e-08	major	0.03764927	131.195	0.191134229
## 6468	0.925021589	3.250000e-07	minor	0.03563662	160.088	0.399270833
## 6469	0.292946815	3.450000e-10	major	0.47903106	139.609	0.510319650
## 6470	0.632405877	4.550000e-11	major	0.17600398	81.028	0.636857152
## 6471	0.860977232	9.350000e-09	major	0.08287355	87.421	0.661163807
## 6472	0.731849968	2.110000e-08	major	0.06348005	87.142	0.158595711
## 6473	0.833498836	6.330000e-09	minor	0.23874171	150.008	0.287196368
## 6474	0.096182488	9.874592e-01	minor	0.03453004	80.148	0.038924523
## 6475	0.905599475	2.730000e-14	major	0.27880326	165.091	0.717677951
## 6476	0.550275981	1.300000e-09	major	0.20559245	139.023	0.262756824
## 6477	0.431243777	1.780000e-07	minor	0.07073809	174.083	0.198924318
## 6478	0.120472260	1.370000e-07	major	0.04049313	112.901	0.341174841
## 6479	0.612788439	4.010000e-09	major	0.38240096	166.755	0.718411863
## 6480	0.497514844	3.880000e-05	major	0.11354340	178.060	0.884300053
## 6481	0.680352628	1.930000e-11	major	0.11613856	99.734	0.498334408
## 6482	0.887179911	8.830446e-01	major	0.04585356	116.039	0.640029430
## 6483	0.869070947	1.100000e-07	major	0.04601723	166.022	0.272535652
## 6484	0.602812648	5.850000e-13	major	0.47652039	173.798	0.543473303
## 6485	0.988860667	4.452841e-02	major	0.11151606	131.327	0.466274738
## 6486	0.943627656	1.290000e-05	minor	0.04387394	152.648	0.801340222
## 6487	0.942951262	2.110000e-06	major	0.05135177	128.422	0.696276963
## 6488	0.803358078	1.670000e-10	major	0.03561378	138.993	0.922177315
## 6489	0.758912206	3.180000e-06	minor	0.09445426	95.036	0.831762552
## 6490	0.728853285	1.650090e-04	major	0.02663906	149.947	0.485635966
## 6491	0.380573660	5.150000e-05	major	0.04883400	198.228	0.346096307
## 6492	0.554365933	5.880000e-12	minor	0.11623891	83.028	0.304029346
## 6493	0.502458870	1.756885e-01	minor	0.04959227	125.992	0.748336554
## 6494	0.846824825	1.890000e-10	minor	0.47376448	79.882	0.606868446
## 6495	0.859080136	2.390000e-09	minor	0.02935373	153.889	0.939804554
## 6496	0.906746805	1.960000e-13	major	0.15427466	91.988	0.667434812

## 6497	0.692483246	4.280000e-07	minor	0.05821019	133.942	0.692774713
## 6498	0.801564455	2.580000e-09	major	0.32395485	84.267	0.453778774
## 6499	0.769340396	2.006242e-03	major	0.05092369	86.660	0.742189288
## 6500	0.817336500	1.050000e-07	minor	0.38639933	79.155	0.650904715
## 6501	0.565813482	3.850000e-11	major	0.03858246	124.060	0.273742259
## 6502	0.607953548	5.750000e-09	minor	0.02887578	135.723	0.275325775
## 6503	0.662673652	5.330000e-08	major	0.12915048	88.064	0.141380340
## 6504	0.575643659	1.700000e-05	major	0.02840066	83.971	0.720342159
## 6505	0.432514548	6.520000e-08	major	0.03101853	115.955	0.491575390
## 6506	0.988031924	2.580000e-11	major	0.16969092	175.046	0.510797203
## 6507	0.796958029	3.450000e-14	minor	0.15058628	164.232	0.759424448
## 6508	0.551851034	1.810000e-05	major	0.26974589	77.235	0.903149426
## 6509	0.981508613	4.807795e-01	major	0.04580013	126.955	0.760125697
## 6510	0.689852417	3.470000e-12	major	0.06209283	91.991	0.612134635
## 6511	0.955375493	6.476740e-04	minor	0.07312670	139.835	0.140703455
## 6512	0.829601705	1.770000e-10	minor	0.10408051	144.017	0.448009312
## 6513	0.880350709	6.470000e-13	major	0.29486036	151.937	0.441239148
## 6514	0.462140441	5.370000e-10	major	0.50646043	80.853	0.786994159
## 6515	0.515812457	2.030000e-09	minor	0.31123522	94.049	0.455967218
## 6516	0.488392025	2.926414e-02	major	0.03485077	125.497	0.441388220
## 6517	0.828446329	1.970000e-11	major	0.03303897	125.868	0.448736757
## 6518	0.892876029	1.080000e-07	minor	0.03761435	107.033	0.591374397
## 6519	0.723697603	7.640000e-14	major	0.34613499	97.085	0.742084622
## 6520	0.607202768	7.070000e-10	major	0.03415066	95.002	0.157476872
## 6521	0.678993523	1.440000e-12	minor	0.28214496	75.986	0.487905681
## 6522	0.328612596	2.120000e-05	major	0.04987774	99.888	0.318725437
## 6523	0.745875955	3.921330e-04	major	0.31917989	160.076	0.594018221
## 6524	0.825028419	2.050000e-13	major	0.37343952	82.638	0.682893574
## 6525	0.814827204	1.230000e-12	minor	0.28527594	84.962	0.681790709
## 6526	0.747197628	2.910000e-08	major	0.08188202	114.958	0.125479192
## 6527	0.683421075	4.770000e-05	minor	0.03815968	140.300	0.963633001
## 6528	0.698547363	9.120000e-12	major	0.52654004	87.960	0.749791861
## 6529	0.987609267	8.124333e-03	major	0.05851850	169.999	0.758007050
## 6530	0.908343613	1.467551e-03	major	0.06580687	117.948	0.738287449
## 6531	0.673379719	1.880000e-10	major	0.27189907	81.363	0.547590733
## 6532	0.482297301	1.640000e-07	major	0.02763607	73.975	0.184217066
## 6533	0.914913356	1.100000e-06	major	0.05350291	114.992	0.872488379
## 6534	0.739048779	2.170000e-07	minor	0.03389787	120.055	0.524351656
## 6535	0.839902341	7.000000e-11	major	0.25814495	88.001	0.800724864
## 6536	0.827199459	6.150000e-07	major	0.49764553	79.234	0.768673897
## 6537	0.242312729	3.440000e-06	major	0.02945077	98.522	0.121756472
## 6538	0.517868876	5.550000e-12	minor	0.09869596	75.994	0.574858248
## 6539	0.758682489	6.710000e-07	minor	0.04126134	128.999	0.937312126
## 6540	0.540103912	2.130000e-10	major	0.04183663	124.116	0.432031959
## 6541	0.983618081	4.449200e-02	major	0.05585012	104.003	0.695675492
## 6542	0.679470658	1.100000e-11	major	0.23343958	135.009	0.586901665
## 6543	0.730148435	7.780000e-07	major	0.08777715	88.543	0.558880329
## 6544	0.841150224	1.010934e-02	minor	0.34368169	93.533	0.658283889
## 6545	0.683356762	1.060000e-07	major	0.11522558	171.860	0.712658346
## 6546	0.717558324	3.960000e-06	major	0.04126290	79.972	0.498020083
## 6547	0.433584601	1.950000e-06	major	0.02887533	126.084	0.396064967
## 6548	0.789270282	7.351870e-04	major	0.03049581	110.054	0.441439867
## 6549	0.995784760	1.420770e-04	major	0.17144097	100.061	0.205756426
## 6550	0.796156228	1.560000e-06	major	0.03897340	92.008	0.816738248

## 6551	0.579480410	2.029175e-01	major	0.03375967	180.000	0.115420938
## 6552	0.760333180	2.130000e-08	major	0.32818013	128.060	0.321512699
## 6553	0.224682093	5.600000e-09	major	0.03412285	136.778	0.452051342
## 6554	0.971682012	3.720000e-05	minor	0.11844680	132.659	0.185873598
## 6555	0.799121499	1.300000e-08	major	0.14420673	96.439	0.705392718
## 6556	0.684446335	9.700000e-13	major	0.32510716	172.155	0.925823331
## 6557	0.773317754	1.300000e-10	minor	0.17569058	99.935	0.890602350
## 6558	0.587328792	4.399490e-03	minor	0.06218475	67.648	0.456859112
## 6559	0.859444797	2.408464e-03	major	0.04278922	95.101	0.189138517
## 6560	0.813852549	3.650000e-12	major	0.35348728	36.949	0.436727762
## 6561	0.624726415	1.530000e-11	major	0.21432534	81.570	0.570119619
## 6562	0.894691348	4.070000e-12	major	0.30225650	91.450	0.825708210
## 6563	0.619333625	2.840000e-12	major	0.04528312	125.881	0.222032741
## 6564	0.777078390	5.680000e-12	minor	0.18140992	81.998	0.768360853
## 6565	0.861254275	3.870000e-13	major	0.37619406	161.776	0.581331551
## 6566	0.451417983	6.310000e-06	major	0.05674872	92.986	0.558506668
## 6567	0.739067495	4.260000e-05	minor	0.03107395	118.992	0.744880915
## 6568	0.949030876	7.480000e-05	major	0.14921451	160.001	0.430529863
## 6569	0.466446102	2.340000e-09	minor	0.34508461	82.614	0.255576283
## 6570	0.527419150	9.310000e-12	major	0.02941927	124.143	0.187351242
## 6571	0.756410301	4.490000e-12	major	0.37368330	169.975	0.534086585
## 6572	0.552057147	2.310000e-08	major	0.25459912	97.811	0.777676344
## 6573	0.746531844	6.510000e-12	major	0.39122570	117.613	0.736241281
## 6574	0.485656410	1.220000e-12	major	0.32172781	94.917	0.537068427
## 6575	0.837373734	1.870000e-07	major	0.04026963	114.257	0.696040809
## 6576	0.123348065	8.240000e-14	major	0.94364238	87.779	0.514514983
## 6577	0.736817777	1.400000e-12	major	0.03299886	131.504	0.820966542
## 6578	0.640851974	5.470000e-10	minor	0.25048488	149.886	0.603858531
## 6579	0.566347301	8.390000e-05	major	0.02757884	143.975	0.705440640
## 6580	0.528921962	3.921103e-01	minor	0.03290260	119.573	0.123184539
## 6581	0.872610033	7.540000e-06	minor	0.03647671	119.994	0.770951331
## 6582	0.184316248	9.180000e-10	minor	0.03802930	140.006	0.357405812
## 6583	0.829190910	1.060000e-07	major	0.60187936	145.970	0.554070175
## 6584	0.715986252	6.820000e-07	major	0.31479159	82.012	0.467483819
## 6585	0.445438772	2.760000e-05	minor	0.20014311	83.018	0.456659675
## 6586	0.873859227	1.780000e-07	minor	0.29153702	78.962	0.508729637
## 6587	0.710796535	4.430000e-14	major	0.25715798	93.860	0.805827081
## 6588	0.649249792	6.630000e-13	major	0.31728578	81.118	0.333994895
## 6589	0.909459352	4.590000e-05	major	0.07228082	128.009	0.739926219
## 6590	0.898497224	5.400000e-11	minor	0.54286844	89.985	0.145337805
## 6591	0.411679626	2.104680e-04	major	0.02760569	75.752	0.281642586
## 6592	0.974784136	3.139060e-04	minor	0.17712559	161.349	0.159907371
## 6593	0.912419617	7.860000e-11	major	0.48462364	177.496	0.527916253
## 6594	0.747011840	1.290000e-06	minor	0.02769347	105.011	0.375395775
## 6595	0.762711287	1.992380e-04	minor	0.08217947	94.030	0.822708189
## 6596	0.922635138	7.707000e-04	major	0.04736262	87.377	0.844996274
## 6597	0.477820158	8.590000e-12	major	0.40643230	200.531	0.783763647
## 6598	0.093629159	9.402936e-01	minor	0.03592423	120.116	0.030821459
## 6599	0.869841278	1.260000e-13	minor	0.11346276	93.010	0.809526145
## 6600	0.950848877	2.310000e-07	minor	0.14014754	134.077	0.573171496
## 6601	0.966545820	7.880000e-12	major	0.09949898	142.018	0.781511009
## 6602	0.926824629	5.270000e-09	major	0.95584202	70.644	0.142863363
## 6603	0.533973157	9.350000e-13	major	0.06792328	76.492	0.353572369
## 6604	0.921694756	1.520000e-06	major	0.17401740	179.968	0.791012526

## 6605	0.691311061	1.390000e-09	major	0.03029551	90.013	0.322589874
## 6606	0.658761144	2.840000e-06	major	0.03023585	126.435	0.051329214
## 6607	0.799184680	1.490000e-09	minor	0.27710399	104.894	0.627179444
## 6608	0.663512230	1.260000e-09	major	0.79288596	199.123	0.711265624
## 6609	0.791230500	2.040000e-07	minor	0.03231904	130.019	0.525649846
## 6610	0.731378257	1.530000e-12	major	0.23713720	85.984	0.138716325
## 6611	0.950341523	7.701582e-03	major	0.05332269	108.023	0.322629333
## 6612	0.975315213	2.042695e-02	major	0.11528853	86.115	0.316461384
## 6613	0.402581573	9.416298e-01	major	0.03283963	97.932	0.237444147
## 6614	0.453890800	1.475608e-03	major	0.02462131	78.209	0.287714541
## 6615	0.695305943	1.398762e-03	major	0.11138349	116.153	0.513234437
## 6616	0.809954166	6.179319e-02	major	0.23439345	97.223	0.197936982
## 6617	0.680280447	5.330000e-14	minor	0.20526358	150.061	0.353143036
## 6618	0.910615146	7.235327e-01	major	0.18022032	91.211	0.026459849
## 6619	0.880692840	2.150000e-09	major	0.32432562	91.927	0.487972111
## 6620	0.847965539	1.770000e-10	major	0.92205870	140.266	0.384742558
## 6621	0.676415622	1.020000e-08	major	0.32524037	175.965	0.755162060
## 6622	0.765187383	1.100000e-09	minor	0.89176601	97.404	0.623842835
## 6623	0.710398674	3.001740e-03	minor	0.09034496	156.068	0.316694349
## 6624	0.941516042	6.000000e-10	major	0.10572392	155.208	0.481083989
## 6625	0.733411968	1.770130e-04	major	0.03330582	135.036	0.648847699
## 6626	0.990680516	7.301189e-01	major	0.11105842	152.755	0.159103990
## 6627	0.862286925	3.770000e-07	minor	0.41212961	200.817	0.722248793
## 6628	0.574291468	1.240000e-13	major	0.13680397	76.528	0.263068318
## 6629	0.615114212	2.280000e-09	major	0.02901744	83.477	0.599864423
## 6630	0.836128950	5.930000e-08	major	0.03903991	136.167	0.300896347
## 6631	0.894910216	4.612255e-01	major	0.03970232	115.969	0.371571898
## 6632	0.567358434	4.680000e-07	major	0.02799416	77.134	0.197052643
## 6633	0.027181691	7.705469e-01	minor	0.04197793	79.243	0.151106670
## 6634	0.507155240	1.920000e-07	major	0.40201736	103.955	0.784373403
## 6635	0.976195335	3.900740e-04	major	0.13820405	107.521	0.272569209
## 6636	0.370747864	3.924841e-03	major	0.02948216	154.989	0.372021526
## 6637	0.380338460	2.100000e-12	major	0.73794222	123.550	0.639229417
## 6638	0.461779922	2.110000e-10	major	0.13845590	99.857	0.602724135
## 6639	0.283657014	6.951334e-01	major	0.05507548	90.122	0.098929450
## 6640	0.542047679	6.930000e-05	major	0.03134863	146.610	0.134299502
## 6641	0.586834192	2.070000e-12	minor	0.14696503	76.472	0.400002986
## 6642	0.952221513	1.150000e-06	major	0.08863322	154.964	0.594428241
## 6643	0.767912924	3.619510e-04	major	0.10317527	95.019	0.481271833
## 6644	0.729909837	7.780000e-07	minor	0.03842868	150.187	0.267225921
## 6645	0.865368068	1.270000e-06	major	0.04692872	128.017	0.169073761
## 6646	0.820202291	3.153863e-02	major	0.04637513	112.043	0.312727004
## 6647	0.834526241	7.160000e-06	major	0.04886575	101.829	0.723280668
## 6648	0.593589485	9.540000e-08	major	0.26408037	106.000	0.556793511
## 6649	0.668747544	1.070000e-14	major	0.04010369	145.015	0.404534936
## 6650	0.532464743	4.440000e-14	minor	0.30396119	151.965	0.503698528
## 6651	0.833017051	3.000000e-08	major	0.22311048	80.022	0.525615036
## 6652	0.801597238	6.970000e-08	major	0.05820766	124.043	0.723249793
## 6653	0.803888381	3.580000e-09	major	0.03291335	122.973	0.887895584
## 6654	0.946329176	1.370612e-01	major	0.04937041	123.387	0.451650023
## 6655	0.562984884	7.850000e-14	major	0.27497289	129.517	0.818961799
## 6656	0.952463865	1.300000e-07	major	0.08716120	134.888	0.485263348
## 6657	0.810092568	1.890000e-10	major	0.28815308	83.030	0.780113816
## 6658	0.695124924	3.220000e-05	major	0.03518966	107.915	0.553970814

## 6659	0.693069398	2.520000e-11	minor	0.06718195	109.941	0.346748233
## 6660	0.470514596	4.320000e-10	major	0.06946630	86.467	0.384132564
## 6661	0.961346626	8.077843e-01	major	0.04391910	138.094	0.232908666
## 6662	0.671594739	1.290000e-05	major	0.13284415	143.984	0.159662977
## 6663	0.832698047	4.420000e-05	minor	0.03589425	145.997	0.733601928
## 6664	0.949448526	1.151438e-03	major	0.06667755	95.012	0.373677403
## 6665	0.598852813	1.936402e-03	minor	0.08866320	119.937	0.669259965
## 6666	0.823075473	1.130000e-11	major	0.26427454	140.016	0.590762377
## 6667	0.655236423	1.320000e-05	major	0.03862139	128.665	0.554917872
## 6668	0.445182920	4.700000e-08	major	0.09713160	84.991	0.310434371
## 6669	0.712482810	8.160000e-13	major	0.37880647	150.148	0.281309277
## 6670	0.707390010	4.904628e-01	minor	0.03331203	68.301	0.339570522
## 6671	0.532782674	5.835770e-04	minor	0.04316270	129.940	0.399018079
## 6672	0.944039583	3.380000e-09	major	0.94102663	130.285	0.149002478
## 6673	0.723046541	7.110000e-07	major	0.03905928	135.080	0.283407629
## 6674	0.732069552	6.510000e-06	minor	0.04080924	123.569	0.960275233
## 6675	0.837203205	1.730000e-09	minor	0.91971111	58.794	0.608161747
## 6676	0.768384874	2.380000e-07	minor	0.07864024	89.994	0.239625871
## 6677	0.638026416	6.429607e-01	minor	0.06855079	107.061	0.961862922
## 6678	0.625144362	2.680000e-07	minor	0.03990317	149.927	0.316803932
## 6679	0.701856077	1.690000e-07	major	0.28546602	86.994	0.839674652
## 6680	0.356364578	1.319224e-02	minor	0.02819805	115.613	0.180455744
## 6681	0.788242340	1.700000e-13	major	0.18318991	138.074	0.671902597
## 6682	0.533265829	1.320000e-11	major	0.03667387	137.955	0.313350439
## 6683	0.695042908	7.290000e-05	minor	0.08169869	164.022	0.590584755
## 6684	0.987050235	2.040000e-09	minor	0.13899371	114.999	0.146625280
## 6685	0.717952073	2.470000e-05	minor	0.07485624	87.925	0.395808905
## 6686	0.630873859	4.064030e-04	major	0.22701681	126.002	0.737869561
## 6687	0.569973290	2.040000e-06	minor	0.31194276	108.062	0.320848167
## 6688	0.812294900	7.080000e-08	minor	0.03992366	140.486	0.577277541
## 6689	0.512939155	1.130000e-12	minor	0.39630401	130.085	0.338095516
## 6690	0.925489724	1.450000e-08	major	0.10067415	125.344	0.376826108
## 6691	0.497719467	1.230000e-06	major	0.05326813	143.960	0.417885721
## 6692	0.949741364	4.564664e-02	major	0.08303130	175.982	0.495006323
## 6693	0.875582993	2.370000e-12	major	0.13902617	83.949	0.526524365
## 6694	0.834241629	2.060000e-13	minor	0.09689569	100.979	0.234290719
## 6695	0.472723812	2.280000e-06	major	0.94425702	102.410	0.619805217
## 6696	0.711941838	7.450000e-10	major	0.91288173	106.041	0.312510252
## 6697	0.917826593	3.680000e-07	minor	0.10309195	125.033	0.270023346
## 6698	0.652735293	4.212695e-02	minor	0.03243083	105.090	0.624686301
## 6699	0.990571618	2.520000e-12	minor	0.14846617	171.648	0.263986915
## 6700	0.660881877	2.329020e-04	major	0.11610009	143.897	0.585585713
## 6701	0.969028115	1.064740e-01	major	0.04895873	101.055	0.347902119
## 6702	0.563716054	4.490000e-07	major	0.05437167	118.580	0.929093540
## 6703	0.411001325	4.920000e-07	major	0.03141971	158.988	0.114985600
## 6704	0.829194665	8.789887e-01	minor	0.04304397	101.974	0.040576074
## 6705	0.807738721	3.100000e-13	major	0.20065817	130.010	0.718338132
## 6706	0.720312357	1.840000e-10	major	0.03744020	90.017	0.381436110
## 6707	0.960070431	2.830000e-06	minor	0.30197486	164.798	0.169284090
## 6708	0.810972810	9.350000e-07	major	0.08820023	81.037	0.773547411
## 6709	0.278425932	6.461239e-01	major	0.03403081	108.004	0.042092435
## 6710	0.826366901	3.490000e-05	major	0.05252520	160.222	0.747306168
## 6711	0.729962468	5.730610e-04	minor	0.04686550	83.675	0.405636311
## 6712	0.446630657	1.260000e-09	major	0.13503592	75.041	0.205132961

## 6713	0.595495820	5.270000e-11	major	0.03914695	131.497	0.361485213
## 6714	0.700771511	4.790000e-06	major	0.02792197	175.886	0.340698868
## 6715	0.695174575	9.340000e-06	major	0.14604868	110.003	0.790122092
## 6716	0.683688700	6.020000e-07	major	0.02878125	85.997	0.120772198
## 6717	0.669874609	4.320000e-06	minor	0.08147568	78.142	0.490029335
## 6718	0.692151725	1.160820e-04	minor	0.09966872	140.029	0.083850630
## 6719	0.842643619	3.850000e-08	major	0.08905086	84.921	0.335336626
## 6720	0.323242128	1.215884e-01	minor	0.03063835	129.655	0.070783928
## 6721	0.691606641	2.140000e-10	minor	0.04619547	94.999	0.580654621
## 6722	0.559386432	1.360000e-11	major	0.20678253	143.980	0.683029294
## 6723	0.503022671	2.930000e-12	major	0.37724811	176.202	0.303429276
## 6724	0.689638674	2.580000e-09	minor	0.17529969	128.952	0.387485802
## 6725	0.496506333	4.420000e-07	major	0.44994199	108.379	0.118279390
## 6726	0.734750926	5.980000e-06	minor	0.02884100	130.055	0.324330926
## 6727	0.901134312	1.194290e-03	major	0.17611204	133.260	0.623824537
## 6728	0.942067325	8.014604e-02	major	0.05546634	92.004	0.793219924
## 6729	0.849076509	9.295468e-01	minor	0.09537684	101.543	0.950916350
## 6730	0.616015494	4.610000e-12	major	0.13075885	122.018	0.493948251
## 6731	0.393412590	3.240000e-06	major	0.08270801	136.866	0.193470716
## 6732	0.664179742	1.730000e-10	major	0.31682664	155.796	0.685977042
## 6733	0.081795633	9.759046e-01	major	0.04833801	72.639	0.037788093
## 6734	0.032206666	8.162332e-01	minor	0.03594682	88.531	0.060915396
## 6735	0.607315958	1.400000e-08	major	0.08969381	120.044	0.765640676
## 6736	0.752463877	4.770000e-07	major	0.03053725	89.917	0.102609701
## 6737	0.881604731	5.660000e-13	minor	0.03334239	119.991	0.812995732
## 6738	0.848580241	1.210000e-07	major	0.05217210	184.451	0.748514295
## 6739	0.929095745	2.540000e-11	minor	0.86803269	96.588	0.495319188
## 6740	0.722741604	4.620000e-08	major	0.37846831	84.789	0.757196188
## 6741	0.509056568	7.342863e-01	minor	0.04178702	99.974	0.069441684
## 6742	0.601414323	5.580000e-09	major	0.16059884	74.008	0.329459488
## 6743	0.496270120	1.349044e-01	major	0.03547563	102.062	0.097308524
## 6744	0.630140841	2.150000e-09	major	0.93689185	82.698	0.963869691
## 6745	0.634578228	7.878495e-01	major	0.05190172	119.995	0.125579268
## 6746	0.788206935	1.050285e-01	major	0.31022230	85.835	0.847912848
## 6747	0.910422742	9.170000e-07	major	0.06257793	175.039	0.223855793
## 6748	0.506622791	1.260000e-06	minor	0.54058123	86.677	0.858685255
## 6749	0.949815750	3.172410e-04	minor	0.05551553	135.067	0.457448244
## 6750	0.642356277	2.260000e-14	major	0.08775908	107.516	0.191058934
## 6751	0.205023527	1.103690e-04	major	0.03126851	117.663	0.161221966
## 6752	0.699391186	3.540000e-05	minor	0.04644540	140.120	0.817522764
## 6753	0.456769019	5.238970e-04	minor	0.03245908	119.784	0.130374685
## 6754	0.802525938	1.710000e-05	major	0.07383365	142.135	0.220804185
## 6755	0.846243620	1.221861e-02	major	0.08953990	143.004	0.481064737
## 6756	0.773628294	1.170000e-07	major	0.38650811	174.097	0.804484069
## 6757	0.462575942	1.830000e-05	major	0.02631625	166.003	0.327199817
## 6758	0.423313439	9.935676e-01	major	0.03475722	100.058	0.085854441
## 6759	0.968825638	8.614078e-03	major	0.05809490	174.038	0.181888640
## 6760	0.852067888	6.080000e-07	major	0.04484309	129.022	0.680784822
## 6761	0.623934448	8.030000e-08	major	0.04043630	80.962	0.240277633
## 6762	0.703388393	9.170000e-11	major	0.94647634	110.961	0.200726286
## 6763	0.730345190	1.782893e-03	major	0.02872150	116.981	0.695034742
## 6764	0.843134940	7.181900e-04	major	0.35920543	116.152	0.596665800
## 6765	0.736001909	5.000000e-07	minor	0.03248415	105.529	0.908960164
## 6766	0.799198627	2.600000e-06	major	0.93561190	129.042	0.444696546

## 6767	0.870019495	6.470000e-09	major	0.15080708	128.048	0.577771485
## 6768	0.869479775	2.760000e-11	major	0.22264995	152.034	0.900171041
## 6769	0.668601930	4.680000e-13	minor	0.93754297	80.893	0.681746840
## 6770	0.406710237	1.753360e-04	major	0.02660211	140.112	0.176917791
## 6771	0.494233429	1.470000e-10	major	0.11693887	94.010	0.079585679
## 6772	0.864043176	5.270000e-09	major	0.16583049	134.901	0.206638500
## 6773	0.891734958	2.160000e-06	major	0.88228095	106.421	0.504278600
## 6774	0.747609317	1.400830e-04	minor	0.03431900	171.568	0.254666895
## 6775	0.829005539	4.895010e-04	major	0.13629082	162.051	0.692593515
## 6776	0.497198254	8.700000e-08	major	0.02698864	125.029	0.162538439
## 6777	0.957006991	3.680000e-06	major	0.08302349	159.907	0.510659277
## 6778	0.670216203	8.046037e-01	minor	0.09495105	104.964	0.188726947
## 6779	0.893603623	3.202689e-01	major	0.10183199	112.962	0.154144019
## 6780	0.551240385	4.490000e-11	major	0.36199412	105.059	0.545503139
## 6781	0.677726388	1.110000e-06	minor	0.33692309	159.308	0.526571035
## 6782	0.610977829	1.190000e-09	major	0.37961853	84.300	0.621424973
## 6783	0.512090266	5.236265e-02	major	0.05352983	103.259	0.851762891
## 6784	0.120191976	9.095908e-01	minor	0.04995109	88.728	0.036587439
## 6785	0.480232149	9.530000e-12	major	0.03352177	66.709	0.518630743
## 6786	0.770129263	5.820000e-08	major	0.08943778	90.000	0.709042192
## 6787	0.939466417	9.770000e-05	major	0.04460539	98.000	0.421506971
## 6788	0.167461917	7.475229e-01	major	0.03940413	124.266	0.039910607
## 6789	0.617856026	2.390000e-08	major	0.03252490	121.225	0.786418080
## 6790	0.728662074	1.757077e-02	major	0.12079389	82.969	0.596002460
## 6791	0.753536880	8.010000e-10	minor	0.28936201	87.070	0.579885900
## 6792	0.568288743	2.101101e-03	minor	0.07027785	86.986	0.108936384
## 6793	0.957851171	8.489252e-01	major	0.08172549	112.076	0.178256869
## 6794	0.799071848	2.710000e-05	major	0.02780178	126.040	0.901600182
## 6795	0.629854023	2.890000e-08	major	0.02761302	154.879	0.672466159
## 6796	0.738637805	1.690000e-06	major	0.28740782	135.995	0.352570742
## 6797	0.296437025	1.410000e-09	major	0.03035882	106.337	0.212798655
## 6798	0.724418223	5.840000e-06	major	0.03413049	139.981	0.678215504
## 6799	0.687480271	1.310000e-06	major	0.20147039	87.988	0.423792094
## 6800	0.712646008	1.788560e-04	minor	0.03174783	91.953	0.119896285
## 6801	0.973342657	1.530000e-07	minor	0.08065784	133.428	0.178857431
## 6802	0.697462022	3.386980e-04	major	0.03389942	119.005	0.787140965
## 6803	0.667443693	7.850000e-06	major	0.05980676	130.098	0.686121643
## 6804	0.884168267	4.320000e-06	major	0.17843409	120.011	0.628955543
## 6805	0.839930713	1.250000e-07	minor	0.03607251	157.985	0.234899446
## 6806	0.708962262	4.520000e-06	major	0.29748526	81.926	0.366767019
## 6807	0.537045240	2.090630e-04	major	0.03500523	85.025	0.180158988
## 6808	0.607611418	3.980000e-07	minor	0.02586041	134.050	0.169674516
## 6809	0.839895964	5.200000e-08	minor	0.03948621	165.939	0.888364434
## 6810	0.918466449	3.600547e-01	minor	0.12631151	130.015	0.373894572
## 6811	0.848999679	1.302300e-04	minor	0.03759767	111.969	0.535890877
## 6812	0.867666543	2.074340e-04	major	0.46676600	122.468	0.668285966
## 6813	0.862335682	8.118884e-03	major	0.07116401	150.936	0.498366326
## 6814	0.934629917	2.350000e-12	major	0.15716441	195.012	0.636521757
## 6815	0.761667788	3.850000e-07	major	0.03511695	119.003	0.809563994
## 6816	0.449730068	7.777047e-01	major	0.07475408	85.053	0.506806612
## 6817	0.869828463	1.170000e-12	major	0.31813738	161.790	0.438188463
## 6818	0.409478784	3.480000e-08	major	0.04165093	117.957	0.423481703
## 6819	0.806072652	1.775473e-03	minor	0.04487672	121.995	0.946822464
## 6820	0.634314120	4.605500e-04	minor	0.03167033	74.997	0.601937950

## 6821	0.989951611	1.680000e-07	major	0.20753294	175.977	0.412735879
## 6822	0.445477337	8.650000e-06	major	0.06030042	89.010	0.445738584
## 6823	0.795016170	8.660000e-07	major	0.03576312	143.837	0.780112922
## 6824	0.952473581	2.010000e-07	minor	0.09002226	136.005	0.488949090
## 6825	0.827803612	5.590000e-09	minor	0.33488631	167.469	0.299775898
## 6826	0.992632806	8.148184e-01	minor	0.19130221	74.218	0.107581176
## 6827	0.779898465	9.270000e-08	minor	0.27405280	160.067	0.361137450
## 6828	0.456197262	2.400000e-12	major	0.03301049	80.415	0.215581611
## 6829	0.800031424	1.617455e-02	major	0.03820807	161.834	0.836563528
## 6830	0.718246102	5.490000e-11	minor	0.06050687	91.993	0.345026165
## 6831	0.615209997	1.580000e-12	major	0.31410885	98.010	0.620998144
## 6832	0.647324562	5.561869e-02	major	0.20253024	99.505	0.489337355
## 6833	0.857870042	1.000000e-07	major	0.26790258	161.921	0.494803101
## 6834	0.852301061	4.940000e-06	major	0.03083224	90.038	0.479178011
## 6835	0.947058320	2.450000e-05	major	0.07750469	174.978	0.274256259
## 6836	0.993085802	7.010000e-08	minor	0.16491695	160.137	0.353344262
## 6837	0.486051440	1.481800e-04	major	0.13215813	131.913	0.355324745
## 6838	0.947891891	8.910000e-09	major	0.93155849	83.062	0.118135296
## 6839	0.711530030	9.144084e-01	minor	0.03509598	155.966	0.661627293
## 6840	0.899513602	1.680000e-08	major	0.28104228	141.982	0.667459965
## 6841	0.858963609	1.900000e-08	major	0.36843547	118.253	0.260979325
## 6842	0.480443627	8.740358e-01	minor	0.03064373	95.021	0.050736010
## 6843	0.327855736	1.540000e-05	major	0.37441373	98.950	0.220272452
## 6844	0.906702459	2.420000e-10	major	0.52187794	93.164	0.560355604
## 6845	0.651659906	2.490000e-14	major	0.32266980	90.081	0.611754715
## 6846	0.958751976	2.100000e-05	minor	0.20876737	108.006	0.485342592
## 6847	0.652766883	4.760000e-13	major	0.44186181	100.024	0.612100661
## 6848	0.576091051	5.780000e-08	major	0.06409804	80.973	0.568019390
## 6849	0.923386574	1.630000e-05	minor	0.03476119	122.995	0.547711194
## 6850	0.860976994	1.540000e-10	minor	0.17202717	136.115	0.737666845
## 6851	0.861369252	6.960000e-07	major	0.32522145	173.838	0.382282466
## 6852	0.966040671	5.570000e-07	major	0.05321492	132.948	0.256044984
## 6853	0.354773194	4.550000e-05	major	0.03299582	137.232	0.298933655
## 6854	0.924422562	2.070000e-12	major	0.06217312	132.042	0.946067631
## 6855	0.791088343	2.639690e-04	minor	0.22032075	79.650	0.438911885
## 6856	0.950671077	8.276793e-02	minor	0.05377307	94.999	0.398868531
## 6857	0.654218793	5.080000e-13	major	0.23146695	160.086	0.482110083
## 6858	0.891671419	1.030000e-05	major	0.06166512	122.150	0.393624634
## 6859	0.738674760	6.970000e-10	major	0.05744557	132.995	0.769840598
## 6860	0.451755583	3.240000e-08	major	0.05103630	166.553	0.562846541
## 6861	0.975069225	1.420000e-05	major	0.07785277	154.486	0.564493835
## 6862	0.852726936	4.650000e-07	major	0.04188668	101.000	0.610506654
## 6863	0.531915128	1.698670e-04	minor	0.07068472	100.032	0.189405784
## 6864	0.783602893	1.340000e-09	major	0.17473905	78.100	0.320842475
## 6865	0.683558226	2.170000e-08	major	0.02963755	128.097	0.194592133
## 6866	0.633490443	5.880000e-08	major	0.02810289	170.047	0.102847315
## 6867	0.895336628	4.590000e-08	major	0.10663478	94.065	0.802625120
## 6868	0.238635704	7.760000e-05	major	0.08755985	104.675	0.310005128
## 6869	0.958374321	9.890000e-07	minor	0.05001942	132.975	0.426778883
## 6870	0.469198614	4.060000e-07	minor	0.44274283	94.020	0.062917143
## 6871	0.965732574	7.130000e-10	major	0.91261703	87.866	0.257627845
## 6872	0.186065525	1.140000e-06	major	0.03459699	87.919	0.216099471
## 6873	0.618675947	7.240000e-12	minor	0.10885025	140.076	0.351291806
## 6874	0.328303188	2.250000e-07	major	0.04611839	116.068	0.110488981

## 6875	0.468424648	5.090000e-05	major	0.03330299	133.904	0.339549065
## 6876	0.882993281	6.760000e-06	major	0.24014705	85.359	0.642044723
## 6877	0.309011638	2.058932e-03	major	0.03023395	118.498	0.427149773
## 6878	0.895068049	2.516638e-02	major	0.05314597	155.946	0.258337259
## 6879	0.786241293	4.430000e-11	major	0.32666334	100.066	0.285289288
## 6880	0.944844842	6.270000e-10	major	0.91005212	112.364	0.345805079
## 6881	0.767926633	1.360000e-10	minor	0.04877102	139.968	0.217695132
## 6882	0.795097351	4.050000e-08	major	0.03188911	180.003	0.379454911
## 6883	0.926833868	3.542622e-03	minor	0.08934305	159.964	0.343749523
## 6884	0.496989071	4.845826e-02	minor	0.03418691	100.619	0.857029259
## 6885	0.615647435	8.250000e-12	major	0.19312088	141.971	0.280059576
## 6886	0.590843141	2.150000e-09	minor	0.02891843	73.976	0.233495846
## 6887	0.967865586	7.039944e-03	minor	0.13738863	135.456	0.292708784
## 6888	0.712782383	2.330000e-05	minor	0.03945708	154.102	0.704960525
## 6889	0.526259661	6.750000e-07	major	0.14047328	139.748	0.494743258
## 6890	0.484139085	4.860000e-05	major	0.04288419	100.713	0.869731784
## 6891	0.533100724	6.980000e-13	major	0.08219125	148.057	0.585073173
## 6892	0.591451287	3.856860e-01	major	0.04998600	139.998	0.068220846
## 6893	0.763120174	3.070000e-08	major	0.30305731	161.590	0.275070935
## 6894	0.794830263	1.200000e-07	major	0.04176041	79.901	0.507722020
## 6895	0.990958452	6.430000e-06	major	0.08222899	186.026	0.469529510
## 6896	0.573226392	4.040000e-08	major	0.25720558	139.870	0.495996892
## 6897	0.849756658	1.730000e-07	major	0.04153372	128.062	0.662103236
## 6898	0.916338742	1.190000e-06	minor	0.06608035	165.030	0.415069789
## 6899	0.983363628	4.312556e-02	major	0.16114011	140.039	0.405848920
## 6900	0.799279511	6.350000e-05	minor	0.08615714	87.198	0.076811731
## 6901	0.893982768	1.350369e-03	major	0.07793532	139.944	0.248032674
## 6902	0.330574900	5.551533e-03	major	0.02931937	159.992	0.456311494
## 6903	0.910970449	1.551905e-03	minor	0.06305793	145.057	0.562870681
## 6904	0.858503580	8.059099e-01	major	0.06332085	123.518	0.348543853
## 6905	0.945233107	8.607267e-01	minor	0.04650891	119.991	0.409731239
## 6906	0.800545812	2.300000e-09	major	0.05537444	123.094	0.496552050
## 6907	0.590419710	2.030000e-09	major	0.43583325	115.555	0.452243000
## 6908	0.293092966	8.882408e-01	minor	0.09115633	95.066	0.079822212
## 6909	0.996161640	1.803798e-03	minor	0.20536651	93.845	0.132455572
## 6910	0.514272630	7.133238e-03	major	0.13234556	142.980	0.212464392
## 6911	0.416156590	5.859620e-04	major	0.02462327	96.002	0.416576445
## 6912	0.910804868	2.160000e-05	major	0.38236424	80.894	0.708195329
## 6913	0.554652154	1.670000e-07	minor	0.04007024	111.714	0.484207779
## 6914	0.531628013	1.020000e-08	major	0.13712235	130.041	0.156586364
## 6915	0.447410226	1.225328e-01	major	0.32997522	169.938	0.494162917
## 6916	0.345622092	9.494827e-01	major	0.03275889	96.434	0.728216648
## 6917	0.994830549	4.627056e-03	major	0.23401886	159.889	0.145975322
## 6918	0.705031991	1.490000e-09	major	0.06556989	140.118	0.379022062
## 6919	0.880818665	1.220000e-07	major	0.10655199	128.566	0.838184595
## 6920	0.916347504	1.410000e-07	major	0.04277707	79.999	0.438097328
## 6921	0.877495170	2.850000e-07	minor	0.03951529	129.968	0.613929629
## 6922	0.775511146	8.090000e-08	major	0.15949696	96.155	0.650677323
## 6923	0.568616569	3.190200e-04	minor	0.11929451	119.954	0.325443476
## 6924	0.746098578	4.570000e-08	major	0.12697172	114.509	0.426504821
## 6925	0.553545654	6.624560e-02	minor	0.10246708	203.915	0.607963681
## 6926	0.783668160	3.230000e-12	major	0.05524130	101.002	0.649682581
## 6927	0.475286126	7.490000e-08	major	0.06846085	82.024	0.254045010
## 6928	0.441459179	7.105370e-04	minor	0.28596064	91.172	0.397199988

## 6929	0.983715117	2.172864e-02	minor	0.11476190	125.003	0.300552607
## 6930	0.752325296	1.660000e-10	major	0.27888671	128.529	0.692946613
## 6931	0.598682344	2.030000e-08	major	0.25548980	95.902	0.318105131
## 6932	0.768586338	9.900000e-06	major	0.03351371	130.006	0.800974965
## 6933	0.968026161	1.660000e-09	major	0.94482475	69.400	0.227734715
## 6934	0.423822135	5.239390e-04	major	0.02612264	163.573	0.176735863
## 6935	0.370841920	1.243251e-03	major	0.03168304	123.996	0.194780976
## 6936	0.757314444	4.620000e-09	major	0.03216277	102.880	0.421029836
## 6937	0.593076408	6.482497e-03	minor	0.03563483	97.479	0.273586541
## 6938	0.810732841	6.770000e-08	major	0.21188493	82.924	0.244699731
## 6939	0.714143515	1.445120e-04	major	0.02725554	99.991	0.488484442
## 6940	0.688125610	2.610680e-04	major	0.05489791	75.054	0.182741135
## 6941	0.947952330	9.946507e-02	minor	0.07527540	133.004	0.789776802
## 6942	0.569624484	2.100000e-06	major	0.30610243	185.516	0.583766162
## 6943	0.699334741	2.452640e-04	major	0.05620666	93.985	0.233243152
## 6944	0.780650795	1.090000e-09	major	0.02668842	105.945	0.695233345
## 6945	0.426649630	3.509172e-03	minor	0.02980451	117.944	0.227932945
## 6946	0.744863927	2.078869e-03	major	0.05062019	127.996	0.795103669
## 6947	0.901059806	3.990000e-06	major	0.35353053	126.626	0.737531126
## 6948	0.638540626	1.130000e-07	major	0.03070402	142.881	0.331742704
## 6949	0.730628848	6.280000e-07	major	0.03803936	151.028	0.253751427
## 6950	0.693856001	5.860000e-09	major	0.21492107	90.013	0.514248848
## 6951	0.523054957	1.900000e-10	major	0.33157775	87.057	0.793564260
## 6952	0.842994571	2.320000e-10	minor	0.24817030	82.012	0.458932787
## 6953	0.882584989	3.700000e-07	major	0.05916151	122.100	0.350884974
## 6954	0.960042775	1.020000e-09	major	0.92973882	88.824	0.235668689
## 6955	0.187724903	1.213319e-01	major	0.04556354	86.997	0.030237887
## 6956	0.488391876	2.180000e-09	minor	0.42218855	193.397	0.217161700
## 6957	0.797653258	7.330000e-08	major	0.93152028	105.860	0.535191536
## 6958	0.312261105	2.490000e-10	major	0.03514920	94.093	0.093990602
## 6959	0.689209342	2.490000e-08	minor	0.15508094	91.805	0.805979669
## 6960	0.441562802	6.120000e-05	major	0.35561088	201.800	0.389860064
## 6961	0.877453744	1.060000e-10	major	0.31349248	165.217	0.321082532
## 6962	0.562540412	4.750240e-04	major	0.04317392	150.074	0.161664873
## 6963	0.891634226	1.140000e-06	major	0.27958304	88.124	0.597282052
## 6964	0.740455866	6.400000e-11	major	0.15173253	140.041	0.209863499
## 6965	0.979597867	5.776225e-02	major	0.09338521	194.909	0.460726589
## 6966	0.964162230	8.834241e-02	major	0.09382229	199.823	0.401319534
## 6967	0.977797151	1.443771e-02	major	0.05827459	141.990	0.671811223
## 6968	0.890137792	2.240000e-06	major	0.03749187	129.841	0.764056921
## 6969	0.327467918	4.370000e-05	major	0.02872973	64.861	0.161980227
## 6970	0.573370457	9.040000e-08	major	0.03236781	156.054	0.076519474
## 6971	0.771916449	1.680000e-10	major	0.08834030	101.939	0.831309259
## 6972	0.929564476	8.423214e-02	minor	0.06712223	124.988	0.580277205
## 6973	0.554542542	1.720000e-07	major	0.03106538	78.104	0.075909361
## 6974	0.695234478	2.280370e-04	minor	0.11308902	103.094	0.138879329
## 6975	0.428958952	1.560000e-07	major	0.46927708	100.578	0.562640309
## 6976	0.647184789	7.480000e-07	major	0.20820712	95.109	0.280644178
## 6977	0.697867215	1.480000e-09	major	0.09426170	133.954	0.098481700
## 6978	0.942203820	1.262600e-04	major	0.06160462	156.022	0.722258747
## 6979	0.880007088	1.400000e-11	minor	0.07610882	142.733	0.400237113
## 6980	0.866855264	5.791816e-01	major	0.11248797	91.472	0.202680841
## 6981	0.636848092	3.680000e-08	major	0.09017409	74.005	0.186222628
## 6982	0.304957747	9.162682e-01	major	0.03576493	79.999	0.524498761

## 6983	0.939374685	1.010000e-06	minor	0.14162624	177.967	0.346177697
## 6984	0.919974625	3.280000e-08	major	0.05944904	143.434	0.361025065
## 6985	0.865819633	1.130000e-05	major	0.04019321	140.013	0.253866136
## 6986	0.201443866	9.167067e-01	major	0.03335799	71.465	0.068945989
## 6987	0.783590615	3.220000e-08	major	0.02980082	129.995	0.861178756
## 6988	0.719443023	3.697050e-04	major	0.09928250	163.801	0.100485072
## 6989	0.167521462	4.884135e-01	major	0.37365392	77.693	0.444288075
## 6990	0.230426088	6.760000e-05	major	0.02794230	92.928	0.269417435
## 6991	0.432377189	2.177124e-01	major	0.41766301	163.973	0.711429775
## 6992	0.970790744	4.340000e-11	major	0.35309628	86.791	0.685119092
## 6993	0.822377920	1.493688e-03	major	0.03212844	165.730	0.607593596
## 6994	0.744061649	4.840000e-13	major	0.22229803	77.993	0.373892695
## 6995	0.082013704	2.018714e-01	minor	0.04117855	91.428	0.036996543
## 6996	0.457887024	7.040000e-07	major	0.19403662	100.046	0.173689008
## 6997	0.857962251	1.666480e-04	major	0.03417140	129.963	0.517718434
## 6998	0.582707226	5.100000e-07	major	0.26781702	87.990	0.564090014
## 6999	0.844258189	3.120000e-09	major	0.06170088	130.023	0.538806915
## 7000	0.736433387	9.550000e-09	minor	0.09677014	127.989	0.500270307
## 7001	0.948952317	6.500000e-08	major	0.11958941	140.002	0.371756256
## 7002	0.782277346	3.750000e-08	minor	0.07727984	131.969	0.895418286
## 7003	0.571462214	3.570000e-10	minor	0.03708707	77.061	0.185688019
## 7004	0.966257691	8.580000e-08	major	0.04604917	136.035	0.502029002
## 7005	0.871216893	1.276980e-04	minor	0.04579883	125.043	0.140903935
## 7006	0.862130582	2.620000e-10	minor	0.07767577	127.857	0.163750172
## 7007	0.050445825	3.770000e-08	major	0.03888455	108.636	0.078544319
## 7008	0.725551128	3.970000e-10	minor	0.33518150	83.627	0.679963648
## 7009	0.843113601	1.530000e-10	major	0.38991198	199.946	0.919198394
## 7010	0.850689054	1.720000e-11	minor	0.04093109	94.963	0.637447655
## 7011	0.686132669	2.762154e-01	major	0.25530082	100.042	0.643190145
## 7012	0.651699126	9.216052e-01	minor	0.19550784	178.516	0.273794830
## 7013	0.740525246	1.120000e-07	major	0.06992713	80.291	0.368889302
## 7014	0.724843860	1.098356e-02	major	0.09808753	184.461	0.358452886
## 7015	0.952617049	2.200000e-05	minor	0.15366288	115.033	0.241640553
## 7016	0.829269648	1.915098e-01	major	0.06664384	179.928	0.148313358
## 7017	0.841446221	1.360000e-05	major	0.03414787	145.986	0.445792288
## 7018	0.518364847	2.420000e-10	major	0.03354935	132.987	0.639824986
## 7019	0.482954234	8.959455e-01	minor	0.20836116	218.775	0.513945818
## 7020	0.979450583	1.170000e-05	major	0.16181835	195.970	0.373931468
## 7021	0.656141996	2.880000e-09	major	0.06538894	92.975	0.193511039
## 7022	0.791176081	2.770000e-11	major	0.22660124	133.672	0.123141401
## 7023	0.732634544	6.300000e-13	major	0.13880888	140.010	0.497340262
## 7024	0.708031595	4.530000e-07	major	0.13240504	110.602	0.446323037
## 7025	0.845866799	5.800000e-05	minor	0.36442912	104.986	0.736692905
## 7026	0.707292855	4.490000e-10	major	0.44815150	98.121	0.561478257
## 7027	0.531198382	1.970000e-06	major	0.29785228	81.343	0.538565636
## 7028	0.932973623	3.467870e-04	major	0.10843117	184.892	0.583516657
## 7029	0.589727998	1.580000e-07	major	0.04853776	140.002	0.160987362
## 7030	0.755960941	6.530000e-11	major	0.04855849	130.044	0.444751441
## 7031	0.753084719	3.040000e-06	major	0.23218797	138.469	0.502482414
## 7032	0.706613481	4.890000e-12	major	0.05592861	99.944	0.335127383
## 7033	0.826320946	9.350000e-05	major	0.05176039	150.901	0.574877262
## 7034	0.770500898	9.472873e-01	major	0.04260402	139.794	0.798667192
## 7035	0.722282112	3.560000e-12	minor	0.26291713	100.085	0.465747625
## 7036	0.878292620	3.180000e-09	major	0.06949872	124.979	0.804001749

## 7037	0.884765685	9.480000e-06	major	0.08474110	94.980	0.512146771
## 7038	0.943174720	1.670000e-07	major	0.93038309	85.495	0.405256838
## 7039	0.427249789	2.340000e-05	major	0.15886946	136.480	0.193150282
## 7040	0.936007619	8.110000e-09	major	0.04179759	141.939	0.581784070
## 7041	0.642550766	1.040000e-11	major	0.25655344	74.996	0.472063750
## 7042	0.500656545	1.110000e-05	major	0.02865963	106.069	0.389712453
## 7043	0.838704050	4.570000e-05	minor	0.17670521	119.962	0.430379689
## 7044	0.826389790	2.241470e-04	minor	0.02337799	95.995	0.666017652
## 7045	0.979967952	8.070000e-05	minor	0.08410129	160.091	0.568720698
## 7046	0.807765126	1.944820e-04	major	0.08121821	110.856	0.603313208
## 7047	0.969284713	1.030000e-06	major	0.04477746	171.930	0.832583606
## 7048	0.905438423	1.433850e-04	minor	0.03601315	125.004	0.631252766
## 7049	0.554788709	1.760000e-10	major	0.10561389	102.986	0.344267756
## 7050	0.030290511	9.439833e-01	major	0.04049148	171.813	0.037198056
## 7051	0.935642004	4.371681e-01	major	0.10620403	118.077	0.000010000
## 7052	0.888445914	4.710000e-11	major	0.03621762	135.991	0.958443403
## 7053	0.817112863	5.920000e-08	major	0.10599377	104.949	0.426672310
## 7054	0.785058796	2.830000e-11	minor	0.12015806	148.057	0.223902717
## 7055	0.915317893	8.380000e-08	major	0.25241685	106.876	0.552514791
## 7056	0.715677023	6.410000e-13	major	0.15173994	146.141	0.578961909
## 7057	0.669136167	1.870000e-08	major	0.33686373	82.147	0.797203064
## 7058	0.749360085	1.480000e-11	minor	0.09605741	179.872	0.816204846
## 7059	0.774179101	2.360000e-10	major	0.24408892	136.105	0.703261137
## 7060	0.392755777	7.190617e-01	minor	0.03959693	129.233	0.344741374
## 7061	0.937079251	2.420000e-07	major	0.12392361	165.006	0.552359283
## 7062	0.887717962	4.489184e-03	major	0.05340918	105.781	0.593445122
## 7063	0.122744195	7.930000e-07	minor	0.04684650	181.882	0.137352437
## 7064	0.909367263	4.050000e-08	major	0.04318226	130.013	0.792003751
## 7065	0.893064022	5.220000e-11	minor	0.86891824	115.316	0.568370998
## 7066	0.832056820	2.810000e-07	major	0.03360481	128.021	0.643001080
## 7067	0.841409326	4.760000e-10	major	0.94537795	84.261	0.474393994
## 7068	0.730758309	1.520000e-06	major	0.14901781	160.084	0.610140979
## 7069	0.729890347	4.180000e-07	minor	0.19051512	94.409	0.041463405
## 7070	0.561607718	2.590000e-08	minor	0.03332083	129.982	0.182661161
## 7071	0.572179317	1.810000e-08	major	0.04728288	91.909	0.399983376
## 7072	0.569843292	5.660000e-09	major	0.04203910	92.073	0.728417397
## 7073	0.910266340	1.900000e-05	major	0.04844338	104.012	0.856449723
## 7074	0.954215169	1.650000e-06	major	0.03744451	141.982	0.900699735
## 7075	0.782230198	4.825292e-01	minor	0.27873194	79.899	0.650672317
## 7076	0.937860370	1.430000e-07	major	0.04492867	126.911	0.579851925
## 7077	0.911285579	1.880347e-03	minor	0.02780997	108.000	0.685210109
## 7078	0.074291050	9.134983e-01	major	0.10748202	138.413	0.281094283
## 7079	0.487583876	9.030000e-05	major	0.02933806	86.001	0.206494927
## 7080	0.536423743	7.840000e-06	minor	0.12329619	148.046	0.789793313
## 7081	0.896457016	1.257020e-04	minor	0.04560973	124.962	0.613189161
## 7082	0.860215604	1.070000e-08	major	0.08102289	171.720	0.855781078
## 7083	0.386155397	6.100000e-06	major	0.40598807	179.990	0.196742892
## 7084	0.779342055	4.280000e-07	major	0.03615336	169.967	0.618864179
## 7085	0.303570151	9.860000e-08	major	0.03374329	102.739	0.154198468
## 7086	0.530507445	5.130000e-11	minor	0.03062419	141.923	0.197826713
## 7087	0.006073318	8.832091e-01	major	0.05008825	67.978	0.044512827
## 7088	0.650970638	2.620000e-13	major	0.30013713	77.878	0.646115184
## 7089	0.776611328	1.310000e-08	major	0.04320208	87.016	0.328706443
## 7090	0.799915910	4.589881e-01	minor	0.20892526	107.026	0.702667713

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## 7091 0.648633063 7.160000e-12 major 0.06298326 127.028 0.616159022
## 7092 0.727006316 9.450000e-05 major 0.16702215 121.985 0.520560145
## 7093 0.819957256 2.870000e-07 major 0.05748972 104.022 0.655189276
## 7094 0.918118298 7.760000e-11 major 0.92189372 95.296 0.425108343
## 7095 0.452710301 1.060000e-07 major 0.05428653 142.005 0.204929978
## 7096 0.612885118 8.980710e-04 major 0.02660312 129.986 0.467723221
## 7097 0.974334002 1.890000e-07 major 0.09238074 130.015 0.581623971
## 7098 0.892549276 2.220000e-13 major 0.30609492 90.021 0.533606112
## 7099 0.680389881 7.460000e-12 minor 0.34889036 75.684 0.315589666
## 7100 0.567422867 5.850000e-08 major 0.11017614 145.027 0.500408947
## 7101 0.929884970 8.640000e-05 major 0.09018670 170.117 0.415105194
## 7102 0.841718256 1.830000e-11 major 0.27888089 142.597 0.888322353
## 7103 0.673389673 3.770000e-05 major 0.56576317 148.044 0.262353867
## 7104 0.872875273 1.170000e-05 major 0.08204002 90.004 0.898865104
## 7105 0.890457332 8.644739e-01 major 0.11876193 199.643 0.344321877
## 7106 0.595381796 5.580000e-05 major 0.03248062 190.043 0.595626593
## 7107 0.722059727 1.987962e-01 major 0.19758336 95.701 0.370522827
## 7108 0.667388618 1.630000e-08 major 0.24619643 76.627 0.510417938
## 7109 0.351433784 5.904190e-04 minor 0.03182355 122.207 0.144105509
## 7110 0.754237235 2.350000e-09 major 0.31830698 144.115 0.829952896
## 7111 0.790640771 3.340000e-10 major 0.12390664 102.071 0.755756676
## 7112 0.263521165 2.650000e-11 major 0.02911609 70.154 0.275615185
## 7113 0.703730643 2.710000e-05 major 0.03533630 176.043 0.481451929
## 7114 0.894227862 9.280000e-08 major 0.92820531 88.562 0.396021694
## 7115 0.988065660 3.092874e-01 minor 0.07869503 139.941 0.618554235
## 7116 0.763640821 5.429055e-01 minor 0.03672922 92.008 0.886557758
## 7117 0.943240583 4.548595e-01 major 0.27338851 79.394 0.911292732
## 7118 0.729582667 1.620000e-05 major 0.06807530 135.992 0.819817483
## 7119 0.524586797 5.780000e-09 major 0.02571525 133.950 0.211083770
## 7120 0.631235361 1.200000e-07 major 0.08714253 160.043 0.859892964
## 7121 0.906727254 2.320000e-08 minor 0.41460806 170.380 0.224789083
## 7122 0.665169418 6.040000e-15 minor 0.07105574 129.989 0.663091421
## 7123 0.567144454 1.010000e-07 major 0.02565564 102.033 0.492747039
## 7124 0.722676933 1.170000e-11 minor 0.28641269 139.516 0.319915175
## 7125 0.758556545 2.541744e-03 major 0.05404668 175.989 0.627798736
## 7126 0.315259337 7.521695e-01 major 0.05234322 82.955 0.157873273
## 7127 0.915643632 1.010000e-10 minor 0.04752222 149.998 0.661782920
## 7128 0.687406719 8.000000e-07 major 0.27102417 180.126 0.340550214
## 7129 0.833290279 2.760000e-09 major 0.28538582 125.141 0.356346756
## 7130 0.706377745 8.380000e-09 major 0.06666435 103.000 0.550421715
## 7131 0.765619516 6.700970e-03 major 0.03340737 131.143 0.436474353
## 7132 0.064971380 8.330000e-07 major 0.03977525 142.550 0.105721079
## 7133 0.631623507 2.480000e-06 major 0.04246846 146.005 0.219000652
## 7134 0.227994412 6.987821e-01 major 0.04210329 122.450 0.737996757
## 7135 0.505178392 1.517719e-01 major 0.07493430 87.207 0.334765136
## 7136 0.807212055 6.924792e-02 major 0.03729126 115.809 0.060673222
## 7137 0.052462861 7.320847e-01 major 0.03484709 80.801 0.038136963
## 7138 0.487536311 7.388983e-01 minor 0.07266588 114.959 0.598100841
## 7139 0.108311735 4.175965e-01 major 0.04468014 80.666 0.032578692
## 7140 0.770870864 8.190000e-09 minor 0.05557396 127.989 0.255323976
## 7141 0.610933721 7.314975e-01 major 0.03914485 76.021 0.177365810
## 7142 0.987777352 4.664062e-01 major 0.07968987 122.854 0.155786633
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