rank in Mech Eng (World)	authfull	inst_name	cntry	np6017	firstyr
1	Hutchinson, John W.	Harvard University	usa	337	1964
2	Rice, James R.	Harvard University	usa	205	1966
3	Reddy, J.N.	Texas A and M University	usa	691	1973
4	Bhushan, Bharat	Ohio State University	usa	962	1966
5	Bejan, Adrian	Duke University	usa	579	1974
6	Patankar, Suhas V.			255	1965
7	Needleman, A.	Texas A and M University	usa	319	1972
8	Johnson, K.L.	University of Cambridge	gbr	129	1963
9	Suo, Zhigang	Harvard University	usa	380	1989
10	Majumdar, Arun	Stanford University	usa	388	1988
11	Fleck, N.A.	University of Cambridge	gbr	356	1981
12	Tvergaard, Viggo	Technical University of Denmark	dnk	273	1971
13	Gao, Huajian	Brown University	usa	453	1986
14	Gurtin, Morton E.	Carnegie Mellon University	usa	207	1960
15	Launder, B.E.	University of Manchester	gbr	237	1966
16	Hashin, Zvi	Tel Aviv University	isr	64	1961
17	Eringen, A.Cemal	Princeton University	usa	119	1960
18	Kandlikar, Satish G.	Rochester Institute of Technolog	usa	359	1975
19	Ortiz, M.	California Institute of Technology	usa	342	1985
20	Shen, Hui-Shen	Shanghai Jiaotong University	chn	245	1988
21	Rajagopal, K.R.	Texas A and M University	usa	529	1980
22	McMeeking, Robert M.	University of California at Santa E	usa	281	1975
23	Wang, Jian	Shanghai Jiaotong University	chn	1875	1985
24	Chaboche, J.L.			122	1974
25	Hill, Rodney	University of Cambridge	gbr	59	1960
26	Suh, Nam P.	Massachusetts Institute of Techn	usa	293	1966
27	Freund, L.B.	University of Illinois at Urbana-Cl	usa	193	1968
28	Willis, J.R.	University of Cambridge	gbr	182	1964
29	Wood, Robert J.	Harvard University	usa	523	1989
30	Nemat-Nasser, Sia	University of California at San Die	usa	325	1981
31	Faeth, G.M.	University of Michigan	usa	286	1967
32	Berryman, James G.	Lawrence Berkeley National Labc	usa	189	1975
33	Sheikholeslami, M.			194	2011
34	Viskanta, Raymond	Purdue University	usa	525	1962
35	Vafai, Kambiz	University of California at Riversi	usa	308	1978
36	Nield, D.A.	University of Auckland	nzl	231	1966
37	Anand, Lallit	Massachusetts Institute of Techn	usa	134	1975
38	Han, Je-Chin	Texas A and M University	usa	391	1980
39	Choi, Stephen U.S.	University of Illinois at Chicago	usa	56	1990
40	McDowell, David L.	Georgia Institute of Technology	usa	406	1985
41	Dowson, D.	University of Leeds	gbr	537	1963
42	Etsion, I.	Technion-Israel Institute of Techr	isr	366	1966
43	Kim, Young-Jin	Chonnam National University	kor	936	1980
44	Prasher, Ravi	Lawrence Berkeley National Labc	usa	184	1997
45	Thome, John R.	Ecole Polytechnique Federale de	che	326	1979
46	Gao, Wei	Hohai University	chn	1286	1984
47	Rodi, Wolfgang			278	1966
48	Batra, R.C.	Virginia Polytechnic Institute and	usa	471	1971

49	Goldstein, R.J.	University of Minnesota	usa	283	1960
50	Spikes, H.A.	Imperial College London	gbr	375	1966
51	Erdogan, Fazil	Lehigh University	usa	206	1966
52	Kuznetsov, A.V.	North Carolina State University	usa	432	1974
53	Ru, C.Q.	University of Alberta	can	153	1996
54	Hutchings, I.M.	University of Cambridge	gbr	309	1966
55	Dunn, Martin L.			236	1991
56	Mudawar, Issam	Purdue University	usa	252	1984
57	Ganji, D.D.			683	2006
58	Shyy, Wei	Hong Kong University of Science	hkg	507	1966
59	Bert, Charles W.	University of Oklahoma	usa	275	1961
60	Speziale, Charles G.	Boston University	usa	105	1974
61	Durbin, Paul A.	Iowa State University	usa	140	1979
62	Spalding, D.B.			252	1960
63	Boyce, Mary C.	Columbia University	usa	210	1987
64	Sih, G.C.	Lehigh University	usa	276	1964
65	Poulikakos, Dimos	ETH Zurich	che	479	1982
66	Newman Jr., J.C.	Mississippi State University	usa	191	1968
67	Komanduri, R.	Oklahoma State University	usa	241	1966
68	Komvopoulos, K.	University of California at Berkele	usa	305	1985
69	Shih, C.F.	National University of Singapore	sgp	145	1976
70	Wang, C.Y.	Michigan State University	usa	450	1965
71	Vardoulakis, I.	National Technical University of A	grc	160	1976
72	Moffat, Robert J.	Stanford University	usa	134	1968
73	Huang, Yonggang	Northwestern University	usa	578	1986
74	Briscoe, B.J.	Imperial College London	gbr	407	1966
75	Milton, Graeme W.	University of Utah	usa	134	1980
76	Wierzbicki, Tomasz	Massachusetts Institute of Techn	usa	221	1967
77	Hayat, T.	King Abdulaziz University	sau	1621	1995
78	Bergles, Arthur E.	University of Maryland	usa	277	1965
79	Chamkha, Ali J.			433	1991
80	Carpinteri, Alberto	Politecnico di Torino	ita	512	1978
81	Pop, Ioan	Babes-Bolyai University	rou	1078	1969
82	Pan, E.	University of Akron	usa	313	1989
83	Zimmerman, Robert W.	Imperial College London	gbr	167	1982
84	Leissa, Arthur W.	Colorado State University	usa	171	1964
85	Ogden, R.W.	University of Glasgow	gbr	201	1970
86	Gad-El-Hak, Mohamed	Virginia Commonwealth Universi	usa	175	1966
87	Tien, Chang-Lin	University of California at Berkele	usa	290	1962
88	Garimella, Suresh V.	Purdue University	usa	464	1990
89	Peterson, G.P.	Georgia Institute of Technology	usa	316	1982
90	Taylor, David	Trinity College Dublin	irl	219	1996
91	Wang, Xu	Chongqing University	chn	1118	1987
92	Weng, G.J.	Rutgers University	usa	237	1975
93	Voller, V.R.	University of Minnesota	usa	201	1981
94	Dafalias, Yannis F.	University of California at Davis	usa	162	1972
95	Schapery, R.A.	University of Texas at Austin	usa	95	1964
96	Jones, Norman	University of Liverpool	gbr	241	1966
97	Bogy, David B.	University of California at Berkele	usa	499	1966
98	Sparrow, E.M.	University of Minnesota	usa	604	1960
99	Lin, Feng	Chinese Culture University	twn	494	1966

100	Ahmadi, Goodarz	Clarkson University	usa	753	1966
101	Budiansky, Bernard	Harvard University	usa	52	1965
102	Durst, F.			557	1966
103	Murakami, Yukitaka	Kyushu University	jpn	267	1974
104	Zhang, Li-Zhi	South China University of Technc	chn	152	1997
105	Mindlin, R.D.	Columbia University	usa	43	1962
106	Ruina, Andy	Cornell University	usa	76	1981
107	Kyriakides, Stelios	University of Texas at Austin	usa	201	1966
108	Aifantis, E.C.	Aristotle University of Thessaloni	grc	167	1984
109	Wang, Xiaoming	Nanjing University of Science anc	chn	781	1987
110	Grady, Dennis E.			123	1969
111	Civalek, Ömer	Akdeniz University	tur	117	2002
112	Yilbas, B.S.	King Fahd University of Petroleur	sau	799	1985
113	Savage, Stuart B.	McGill University	can	81	1965
114	Maugin, Gérard A.	Universite Paris 6	fra	345	1972
115	Aboudi, Jacob	Tel Aviv University	isr	261	1971
116	Webb, Ralph L.	Pennsylvania State University	usa	123	1971
117	Achenbach, Jan D.	Northwestern University	usa	429	1962
118	Greitzer, E.M.	Massachusetts Institute of Techn	usa	156	1966
119	Kachanov, Mark	Tufts University	usa	152	1975
120	Barlat, Frédéric	Pohang University of Science and	kor	337	1984
121	Williams, J.G.	Imperial College London	gbr	177	1980
122	Bau, Haim H.	University of Pennsylvania	usa	233	1981
123	Benveniste, Y.	Tel Aviv University	isr	84	1972
124	Aifantis, Elias C.	Michigan Technological Universit	usa	116	1975
125	Makinde, O.D.	University of Stellenbosch	zaf	297	1997
126	Smith, D.J.	University of Birmingham	gbr	531	1977
127	Dhir, Vijay K.	University of California at Los An	usa	309	1972
128	Hutter, Kolumban	ETH Zurich	che	277	1971
129	Kim, Min-Soo	Seoul National University	kor	872	1991
130	Ponte Castañeda, P.	University of Pennsylvania	usa	137	1986
131	Eaton, John K.	Stanford University	usa	277	1966
132	Modest, Michael F.	UC MERCED	usa	270	1972
133	Turkyilmazoglu, M.	Hacettepe University	tur	137	1999
134	Thouless, M.D.	University of Michigan	usa	145	1983
135	Kaviany, Massoud	University of Michigan	usa	245	1979
136	Prevost, Jean H.	Princeton University	usa	188	1966
137	Wang, Bing	Shandong University	chn	805	1982
138	Mei, Renwei	University of Florida	usa	126	1985
139	Steinmann, Paul	University of Erlangen-Nurember	deu	380	1991
140	Chen, W.Q.	Zhejiang University	chn	422	1996
141	Knauss, Wolfgang G.	California Institute of Technology	usa	162	1967
142	Greenwood, J.A.	University of Cambridge	gbr	81	1960
143	Espinosa, Horacio D.	Northwestern University	usa	247	1991
144	Incropera, Frank P.	University of Notre Dame	usa	241	1967
145	Prosperetti, Andrea	Johns Hopkins University	usa	83	1972
146	Raithby, G.D.	University of Waterloo	can	130	1966
147	Issa, R.I.	Imperial College London	gbr	76	1972
148	Wang, Chi-Chuan	National Chiao Tung University	twn	309	1985
149	Mróz, Z.			233	1967
150	Tryggvason, Gretar	University of Notre Dame	usa	228	1983

151	Horgan, Cornelius O.	University of Virginia	usa	168	1969
152	Christensen, Richard M.	Stanford University	usa	119	1967
153	Parks, David M.	Massachusetts Institute of Techn	usa	135	1974
154	Faghri, Amir	University of Connecticut	usa	301	1978
155	Ingham, D.B.	University of Sheffield	gbr	599	1966
156	Calladine, C.R.	University of Cambridge	gbr	100	1966
157	Lu, T.J.	Xi'an Jiaotong University	chn	150	1989
158	Denton, J.D.	University of Cambridge	gbr	105	1974
159	Pineau, A.			260	1969
160	Ting, T.C.T.	Stanford University	usa	145	1973
161	Guo, Zeng-Yuan	Tsinghua University	chn	278	1986
162	Vajravelu, K.	University of Central Florida	usa	240	1977
163	Bahadur, S.	Iowa State University	usa	141	1966
164	Lim, C.W.	City University of Hong Kong	hkg	252	1996
165	Detournay, Emmanuel	University of Minnesota	usa	158	1966
166	Wongwises, Somchai	King Mongkut's University of Tec	tha	410	1990
167	Giannakopoulos, A.E.	University of Thessaly	grc	122	1985
168	Tabor, David	University of Cambridge	gbr	144	1961
169	Johnson, Gordon R.			72	1976
170	Das, Sarit K.	Indian Institute of Technology, M	ind	240	1994
171	Barber, J.R.	University of Michigan	usa	283	1966
172	Brennen, Christopher E.	California Institute of Technology	usa	199	1973
173	Ellahi, R.			148	2003
174	Barnea, Dvora	Tel Aviv University	isr	93	1978
175	Hetsroni, G.	Technion-Israel Institute of Techr	isr	167	1970
176	Molinari, A.			192	1972
177	Park, Chul			108	1968
178	Reid, S.R.	University of Aberdeen	gbr	185	1971
179	Rosakis, A.J.	California Institute of Technology	usa	245	1980
180	Oztop, Hakan F.	Firat University	tur	272	2000
181	Geers, M.G.D.	Eindhoven University of Technol	nld	354	1996
182	Ishak, Anuar	Universiti Kebangsaan Malaysia	mys	232	2006
183	Yan, Wei-Mon	National Taipei University of Tecl	twn	260	1986
184	Ostoja-Starzewski, Mart	University of Illinois at Urbana-Cl	usa	223	1982
185	Mohamad, A.A.	University of Calgary	can	163	1988
186	Qu, Jianmin	Tufts University	usa	344	1966
187	Nemat-Nasser, Siavouch	University of California at San Die	usa	145	1966
188	Kleinstreuer, Clement	North Carolina State University	usa	266	1966
189	Bunker, Ronald S.	General Electric	usa	124	1984
190	Conrad, Hans	North Carolina State University	usa	200	1960
191	Kelly, James M.	University of California at Berkele	usa	192	1966
192	Wallin, Kim	VTT	fin	157	1983
193	Blau, Peter J.	Fraunhofer - BY-TH-SN	deu	234	1966
194	Green, Albert E.	University of Oxford	gbr	92	1961
195	Hanjalić, K.	Delft University of Technology	nld	228	1966
196	Bhattacharya, Kaushik	California Institute of Technology	usa	149	1991
197	Ju, J.W.	University of California at Los An	usa	158	1987
198	Chai, Herzl	Tel Aviv University	isr	93	1981
199	Lemaitre, Jean	Ecole Normale Superieure de Cac	fra	48	1974
200	Krajcinovic, Dusan	Arizona State University	usa	132	1969
201	Daniel, Isaac M.	Northwestern University	usa	308	1961

202	Suhir, Ephraim			79	1982
203	Abu-Nada, Eiyad			73	1998
204	Davidson, Lars	Chalmers University of Technolo	swe	181	1987
205	Silling, S.A.	Sandia National Laboratories NM	usa	69	1980
206	Zenkour, Ashraf M.	King Abdulaziz University	sau	222	1989
207	Cotterell, Brian	A-STAR	sgp	137	1963
208	Wen, Dongsheng	Beihang University	chn	149	2001
209	Lagoudas, Dimitris C.	Texas A and M University	usa	426	1986
210	Keer, Leon M.	Northwestern University	usa	502	1964
211	Rudnicki, John W.	Northwestern University	usa	87	1975
212	Wang, Xiaodong	Dalian University of Technology	chn	482	1990
213	Van Der Giessen, E.	University of Groningen	nld	255	1985
214	Fett, T.			307	1973
215	Hodson, H.P.	University of Cambridge	gbr	232	1983
216	Rose, John W.	Queen Mary, University of Londo	gbr	143	1964
217	McLaughlin, J.B.	Clarkson University	usa	85	1974
218	Miller, K.J.	University of Sheffield	gbr	114	1972
219	Bower, Allan F.	Brown University	usa	119	1986
220	Karihaloo, B.L.	Cardiff University	gbr	303	1972
221	Ravi-Chandar, K.	University of Texas at Austin	usa	176	1981
222	Ohno, Nobutada	Nagoya University	jpn	229	1981
223	Meguid, S.A.	University of Toronto	can	309	1976
224	Hui, Chung-Yuen	Cornell University	usa	272	1981
225	Rigney, D.A.	Ohio State University	usa	126	1966
226	Auriault, J.-L.			108	1975
227	Elices, M.	Universidad Politecnica de Madri	esp	275	1976
228	Straughan, B.	University of Durham	gbr	231	1963
229	Leblond, Jean-Baptiste	Universite Paris Sorbonne - Paris	fra	151	1979
230	Xuan, Yimin	Nanjing University of Aeronautics	chn	310	1991
231	Ezugwu, E.O.			87	1987
232	Kato, Koji	Tohoku University	jpn	250	1983
233	Huang, Rui	University of Texas at Austin	usa	161	1998
234	Forrestal, M.J.	Sandia National Laboratories NM	usa	115	1965
235	Aziz, A.			130	1975
236	Maier, G.	Politecnico di Milano	ita	155	1966
237	Bilgen, E.	Ecole Polytechnique de Montreal	can	164	1973
238	Chen, Li-Qun	Shanghai University	chn	357	1989
239	Rashidi, M.M.	University of Birmingham	gbr	261	1997
240	Bar-Cohen, Avram	University of Maryland	usa	346	1974
241	Schijve, J.	Delft University of Technology	nld	98	1966
242	Phoenix, S. Leigh	Cornell University	usa	145	1972
243	Martin, J.M.			338	1966
244	Finnie, Iain	University of California at Berkele	usa	118	1960
245	Socie, Darrell F.	University of Illinois at Urbana-Cl	usa	115	1972
246	Müller, Ingo	Technische Universitat Berlin	deu	75	1967
247	Schajer, Gary S.	University of British Columbia	can	123	1980
248	Roache, Patrick J.			72	1970
249	Zhao, Ya-Pu	Chinese Academy of Sciences	chn	230	1994
250	Tsuji, Yutaka	Osaka University	jpn	147	1976
251	Birman, Victor	University of Missouri at Rolla	usa	222	1966
252	Noda, Naotake			246	1973

253	Drew, Donald A.	Rensselaer Polytechnic Institute	usa	130	1966
254	Yovanovich, M.M.	University of Waterloo	can	306	1969
255	Naphon, Paisarn	Srinakharinwirot University	tha	65	1998
256	Shipway, P.H.	University of Nottingham	gbr	172	1991
257	Jaluria, Yogesh	Rutgers University	usa	366	1974
258	Theocaris, Pericles S.	Academy of Athens	grc	601	1962
259	Ishii, Mamoru	Purdue University	usa	381	1975
260	Ansari, R.	Guilan University	irn	351	2004
261	Lubarda, Vlado A.	University of California at San Die	usa	109	1981
262	Jirásek, Milan	Czech Technical University	cze	83	1993
263	Pellegrino, S.	California Institute of Technology	usa	236	1984
264	Levitas, Valery I.	Iowa State University	usa	209	1979
265	Raju, I.S.	NASA Langley Research Center	usa	123	1966
266	Pugno, Nicola M.	University of Trento	ita	378	1998
267	Landis, Chad M.	University of Texas at Austin	usa	92	1999
268	Liu, Weimin	CAS - Lanzhou Institute of Chemi	chn	929	1996
269	Chyu, Minking K.	University of Pittsburgh	usa	228	1985
270	Atkins, A.G.	University of Reading	gbr	150	1965
271	Fang, Tiegang	North Carolina State University	usa	141	2000
272	Chen, Gang	Massachusetts Institute of Techn	usa	60	1996
273	San Andrés, Luis	Texas A and M University	usa	258	1984
274	Hewitt, G.F.	Imperial College London	gbr	272	1961
275	Biot, M.A.	Royal Observatory of Belgium	bel	52	1960
276	Guo, Wanlin	Nanjing University of Aeronautics	chn	356	1996
277	Ericksen, J.L.	University of Minnesota	usa	78	1960
278	Ligrani, P.M.	University of Alabama in Huntsvil	usa	237	1979
279	Librescu, Liviu	Virginia Polytechnic Institute and	usa	376	1967
280	Beck, James V.	Michigan State University	usa	170	1966
281	Rahman, Sharif	University of Iowa	usa	164	1989
282	Hanratty, Thomas J.	University of Illinois at Urbana-Cl	usa	226	1962
283	Prime, Michael B.	Los Alamos National Laboratory	usa	74	1994
284	Maugis, D.			53	1966
285	Wang, B.L.	Harbin Institute of Technology	chn	256	1998
286	Suquet, Pierre			69	1980
287	Cheng, Ping	University of Hawaii	usa	66	1963
288	Bair, Scott	Georgia Institute of Technology	usa	194	1983
289	Li, D.Y.	University of Alberta	can	263	1996
290	Howell, John R.	University of Texas at Austin	usa	240	1967
291	Promvonge, Pongjet	King Mongkut's Institute of Techr	tha	124	1999
292	Childs, T.H.C.	University of Leeds	gbr	157	1968
293	Chen, John C.	Lehigh University	usa	145	1966
294	Reissner, Eric	University of California at San Die	usa	105	1964
295	Qatu, Mohamad S.	Central Michigan University	usa	108	1991
296	Zhou, Min	Georgia Institute of Technology	usa	146	1996
297	Childs, Dara W.	Texas A and M University	usa	258	1966
298	Dzenis, Yuris A.	University of Nebraska	usa	122	1986
299	Heshmat, Hooshang			183	1981
300	Soldatos, Kostas P.	University of Nottingham	gbr	104	1978
301	Liu, Dong	Peking University	chn	219	1979
302	Forest, S.			173	1997
303	Lubliner, Jacob	University of California at Berkele	usa	52	1964

304	Khonsari, M.M.	Louisiana State University	usa	339	1966
305	Nadeem, S.	Quaid-I-Azam University	pak	349	2001
306	Ieşan, D.	Al. I. Cuza University	rou	143	1969
307	Webb, Ralph L.	Pennsylvania State University	usa	114	1996
308	Pang, John H. L.	Nanyang Technological Universit	sgp	212	1992
309	Coussy, Olivier			68	1979
310	Quintanilla, R.	Universitat Politecnica de Catalu	esp	203	1984
311	De Vahl Davis, G.	University of New South Wales	aus	66	1968
312	Wei, Robert P.	Lehigh University	usa	181	1967
313	Akbar, Noreen Sher	National University of Sciences a	pak	234	2009
314	Knowles, James K.	California Institute of Technology	usa	87	1964
315	Jahanmir, Said			183	1966
316	Atkinson, C.	Imperial College London	gbr	218	1965
317	Elishakoff, Isaac	Florida Atlantic University	usa	247	1996
318	Goriely, Alain	University of Oxford	gbr	177	1989
319	Lancaster, J.K.	University of Reading	gbr	125	1962
320	Hsu, Stephen M.	George Washington University	usa	185	1977
321	Cocks, A.C.F.	University of Oxford	gbr	166	1979
322	Voyiadjis, George Z.	Louisiana State University	usa	363	1981
323	Rajapakse, R.K.N.D.	Simon Fraser University	can	167	1983
324	Sazhin, S.S.	University of Brighton	gbr	205	1977
325	Rittel, D.	Technion-Israel Institute of Techr	isr	177	1986
326	Breuer, M.	Helmut-Schmidt-University	deu	121	1993
327	Mekheimer, Kh.S.	Al-Azhar University	egy	49	1994
328	Young, J.B.	University of Cambridge	gbr	82	1975
329	Jiang, Yanyao	University of Nevada	usa	127	1989
330	Zhang, Yuwen	University of Missouri	usa	355	1992
331	Davidson, David L.	Southwest Research Institute	usa	150	1966
332	Huang, Hong-Zhong	University of Electronic Science a	chn	567	1989
333	Blevins, Robert D.			84	1966
334	Zbib, Hussein M.	Washington State University	usa	211	1986
335	Kumar, Ravi	Indian Institute of Technology Ro	ind	399	1998
336	Naghdi, P.M.	University of California at Berkele	usa	149	1960
337	Wagoner, R.H.	Ohio State University	usa	223	1976
338	Soundalgekar, V.M.			227	1965
339	Kennedy, Francis E.	Dartmouth College	usa	207	1966
340	Mal, Ajit	University of California at Los An	usa	177	1967
341	Markatos, N.C.	National Technical University of A	grc	229	1966
342	Humphrey, J.A.C.	University of Virginia	usa	201	1966
343	Johnson, W.	University of Cambridge	gbr	362	1960
344	Ostrach, Simon	Case Western Reserve University	usa	115	1961
345	Besson, J.			123	1989
346	Stanzl-Tschegg, S.E.	University of Natural Resources a	aut	154	1993
347	Chao, Y.J.	University of South Carolina	usa	192	1987
348	Thompson, J.M.T.	University of Cambridge	gbr	136	1963
349	Taitel, Yehuda	Tel Aviv University	isr	90	1968
350	Ciavarella, M.	Politecnico di Bari	ita	146	1997
351	Crowe, C.T.	Washington State University	usa	209	1966
352	Nicholas, Theodore	Wright-Patterson AFB	usa	168	1967
353	Michel, Bruno	IBM Zurich Research Laboratory	che	189	1984
354	Eiamsa-ard, Smith	Mahanakorn University of Techn	tha	135	2005

355	Qin, Qing-Hua	Australian National University	aus	355	1990
356	Bijwe, J.	Indian Institute of Technology, D	ind	122	1966
357	Raptis, A.	University of Ioannina	grc	103	1980
358	Hashim, I.	Universiti Kebangsaan Malaysia	mys	295	1998
359	Steigmann, David J.	University of California at Berkel	usa	132	1983
360	Bathias, C.	Universite Paris X Nanterre	fra	192	1973
361	Shah, Ramesh K.	Indian Institute of Technology, B	ind	98	1966
362	Panton, Ronald L.	University of Texas at Austin	usa	65	1968
363	Jacobi, Anthony M.	University of Illinois at Urbana-Cl	usa	183	1989
364	Tanaka, Kikuaki	Tokyo Metropolitan University	jpn	115	1973
365	Vanka, S.P.	University of Illinois at Urbana-Cl	usa	143	1979
366	Hashish, M.			140	1977
367	Wang, Aiguo			83	1987
368	Rees, D.A.S.	University of Bath	gbr	165	1985
369	Michaelides, Efstathios I	Texas Christian University	usa	184	1979
370	Prat, M.	Universite de Toulouse PRES	fra	148	1983
371	Amon, Cristina H.	University of Toronto	can	279	1989
372	Saikko, Vesa	Aalto University	fin	58	1992
373	Gosman, A.D.	Imperial College London	gbr	148	1967
374	Caughey, T.K.	California Institute of Technology	usa	103	1961
375	Gao, X.-L.	University of Texas at Dallas	usa	114	1991
376	Sharpe Jr., W.N.	Johns Hopkins University	usa	120	1966
377	Mukhopadhyay, Swati	University of Burdwan	ind	91	2005
378	Liu, L.H.	Harbin Institute of Technology	chn	158	1995
379	Li, Xian-Fang	Central South University	chn	188	1998
380	Mura, Toshio	Northwestern University	usa	210	1960
381	Sherief, Hany H.	Alexandria University	egy	87	1980
382	Chen, Chien-Hsin	National Formosa University	twn	47	1989
383	McCartney, L.N.	National Physical Laboratory	gbr	104	1969
384	Hinze, J.O.	Delft University of Technology	nld	18	1963
385	Cann, P.M.	Imperial College London	gbr	141	1966
386	Kasagi, Nobuhide	University of Tokyo	jpn	256	1975
387	Basak, Tanmay	Indian Institute of Technology, M	ind	211	1996
388	Sirignano, William A.	University of California at Irvine	usa	105	1969
389	Deshpande, V.S.	University of Cambridge	gbr	245	1999
390	Al-Nimr, M.A.	Jordan University of Science and	jor	246	1988
391	Patel, V.C.	University of Iowa	usa	167	1966
392	Sutton, Michael A.	University of South Carolina	usa	238	1985
393	Epstein, A.H.	Pratt and Whitney	usa	115	1974
394	Gudmundson, Peter	Royal Institute of Technology	swe	80	1982
395	Gorla, Rama Subba Red	Purdue University	usa	385	1966
396	Zhao, C.Y.	Shanghai Jiaotong University	chn	123	1995
397	Elishakoff, Isaac	Florida Atlantic University	usa	136	1974
398	Ariel, P. Donald			67	1970
399	Selvadurai, A.P.S.	McGill University	can	421	1966
400	Morini, Gian Luca	University of Bologna	ita	104	1994
401	Knott, J.F.	University of Birmingham	gbr	258	1967
402	Shindo, Yasuhide	Tohoku University	jpn	377	1974
403	Pak, Y. Eugene	Seoul National University	kor	59	1986
404	Cumpsty, N.A.	Imperial College London	gbr	112	1971
405	Chandrasekharaiah, D.S.	Bangalore University	ind	60	1973

406	Hooman, K.	University of Queensland	aus	180	2003
407	Dong, Pingsha	University of Michigan	usa	182	1985
408	Hayhurst, D.R.	University of Manchester	gbr	119	1969
409	Lam, K.Y.	Nanyang Technological Universit	sgp	320	1983
410	Munz, D.	Karlsruhe Institute of Technology	deu	294	1971
411	Yu, Boming	Huazhong University of Science a	chn	166	1986
412	Polizzotto, Castrenze	Universita di Palermo	ita	108	1974
413	Drozdov, A.D.	Aalborg University	dnk	288	1977
414	Fischer, Paul F.	University of Illinois at Urbana-Cl	usa	197	1988
415	Chau, K.T.	Hong Kong Polytechnic Universit	hkg	123	1990
416	Khdeir, A.A.	King Saud University	sau	61	1986
417	Chen, Jianjun	Xidian University	chn	305	1990
418	Chang, Ching S.	University of Massachusetts	usa	138	1979
419	Carpinteri, Andrea	University of Parma	ita	169	1984
420	Grédiac, M.	Universite d'Auvergne	fra	171	1990
421	Fiebig, M.	Ruhr-Universitat Bochum	deu	124	1972
422	Ingraffea, Anthony R.	Cornell University	usa	219	1966
423	Ainsworth, R.A.	University of Manchester	gbr	179	1976
424	Katto, Y.	Nihon University	jpn	74	1967
425	Chen, Rong	Dalian Maritime University	chn	710	1996
426	Stachowiak, G.W.	Curtin University of Technology	aus	147	1996
427	Dvorak, George J.	Rensselaer Polytechnic Institute	usa	146	1971
428	Zhang, Hongwu	Dalian University of Technology	chn	399	1990
429	Aydin, Orhan	Karadeniz Technical University	tur	103	1995
430	Mukherjee, Subrata	TATA Steel	ind	237	1973
431	Lakshminarayana, B.	Pennsylvania State University	usa	293	1963
432	Catton, Ivan	University of California at Los An	usa	354	1966
433	Vives, Charles	Universite d'Avignon et des Pays	fra	47	1981
434	Aravas, N.	Kyushu University	jpn	76	1985
435	Grassie, Stuart L.			56	1982
436	Tzou, Da Yu	University of New Mexico	usa	51	1984
437	Zhang, Sheng	Bohai University	chn	144	2004
438	Rand, Richard H.	Cornell University	usa	213	1969
439	Rémy, L.			131	1973
440	Mischler, S.	Ecole Polytechnique Federale de	che	120	1988
441	Xue, Qunji	Chinese Academy of Sciences	chn	766	1987
442	Schiehlen, Werner	Universitat Stuttgart	deu	149	1969
443	Bankoff, S.G.	Northwestern University	usa	224	1962
444	Steif, Paul S.	Carnegie Mellon University	usa	145	1979
445	Rose, L.R.F.			58	1976
446	Kang, Guozheng	Southwest Jiaotong University	chn	277	1998
447	Khanafer, Khalil			98	1998
448	Sneddon, Ian N.	University of Glasgow	gbr	26	1960
449	Nanbu, Kenichi	Tohoku University	jpn	201	1974
450	Cailletaud, G.			190	1980
451	Liu, Hao	Shanghai Jiaotong University	chn	167	1994
452	Hossain, M.A.	University of Dhaka	bgd	177	1984
453	Coelho, P.J.	Instituto Superior Tecnico Lisboa	prt	108	1989
454	Kalker, J.J.	Delft University of Technology	nld	61	1966
455	Huang, Cheng-Hung	National Cheng Kung University	twn	133	1994
456	Abeyaratne, Rohan	Massachusetts Institute of Techn	usa	78	1980

457	Phelan, Patrick E.	Arizona State University	usa	210	1987
458	Cheng, Ping	Shanghai Jiaotong University	chn	243	1996
459	Kujawski, Daniel	Western Michigan University	usa	81	1977
460	Lee, Usik	Inha University	kor	154	1990
461	Plaut, Raymond H.	Virginia Polytechnic Institute and	usa	240	1970
462	Kardomateas, George A.	Georgia Institute of Technology	usa	161	1983
463	Webb, B.W.	Brigham Young University	usa	164	1985
464	Minami, Ichiro	Lulea University of Technology	swe	141	1981
465	Neville, A.	University of Leeds	gbr	423	1995
466	Fetecau, C.			132	1994
467	Pao, Yih-Hsing	Zhejiang University	chn	80	1963
468	Tauchert, Theodore R.	University of Kentucky	usa	118	1966
469	He, L.	University of Oxford	gbr	146	1996
470	Greif, Ralph	University of California at Berkele	usa	233	1964
471	Wang, L.	Huazhong University of Science a	chn	103	2004
472	Gao, Huajian	Max Planck Institutes - Baden Wu	deu	54	1996
473	Guz, A.N.	Ukraine National Academy of Sci	ukr	539	1966
474	Tanaka, Keisuke	Nagoya University	jpn	134	1972
475	Collins, I.F.	University of Auckland	nzl	66	1968
476	Kröner, Ekkehart	Universitat Stuttgart	deu	41	1960
477	Kapoor, Ajay	Swinburne University of Technol	aus	165	1981
478	Bruck, Hugh A.	University of Maryland	usa	199	1989
479	Stephen, N.G.	University of Southampton	gbr	65	1978
480	Barletta, A.	University of Bologna	ita	191	1986
481	Garimella, Srinivas	Georgia Institute of Technology	usa	212	1984
482	Chen, Tungyang	National Cheng Kung University	twn	99	1989
483	Dodds Jr., Robert H.	University of Illinois at Urbana-Cl	usa	157	1978
484	Magyari, E.	University of Basel	che	125	1998
485	De Boer, Reint	University of Duisburg-Essen	deu	61	1977
486	Klepaczko, J.R.			117	1968
487	Xiang, Y.	University of Western Sydney	aus	121	1991
488	Gupta, A.S.	Indian Institute of Technology, Kl	ind	127	1960
489	Patterson, E.A.	University of Liverpool	gbr	266	1984
490	Owen, J. Michael	University of Bath	gbr	169	1971
491	Palm, Björn	Royal Institute of Technology	swe	132	1990
492	Liu, Sheng	Wuhan University	chn	695	1985
493	Viswanathan, R.	Electric Power Research Institute	usa	157	1971
494	Zhou, Feng	CAS - Lanzhou Institute of Chemi	chn	344	2001
495	Feng, Xi-Qiao	Tsinghua University	chn	345	1995
496	Neale, K.W.	Universite de Sherbrooke	can	198	1972
497	Sieniutycz, Stanislaw	Warsaw University of Technology	pol	170	1977
498	Volino, Ralph J.	United States Naval Academy	usa	95	1992
499	Korsunsky, Alexander M	University of Oxford	gbr	342	1992
500	Lion, A.	Universitat der Bundeswehr Mur	deu	88	1995
501	Ravichandran, G.	California Institute of Technology	usa	239	1983
502	Geubelle, Philippe H.	University of Illinois at Urbana-Cl	usa	183	1993
503	Vadasz, Peter	Northern Arizona University	usa	96	1983
504	Day, Ivor	University of Cambridge	gbr	42	1991
505	Liou, Tong-Miin	National Tsing Hua University	twn	202	1983
506	Liang, Hong	Texas A and M University	usa	361	1993
507	Nakayama, Akira	Wuhan Polytechnic University	chn	189	1977

508	Barnett, D.M.	Stanford University	usa	97	1966
509	Huang, Zhen	Yanshan University	chn	226	1986
510	Wang, Yu	Shanghai Jiaotong University	chn	270	1986
511	Ezzat, Magdy A.	Alexandria University	egy	148	1994
512	McCool, John I.			91	1966
513	Lee, Jaehong	Sejong University	kor	131	1993
514	Igarashi, Tamotsu	National Defense Academy of Jap	jpn	116	1974
515	Gebhart, Benjamin	University of Pennsylvania	usa	130	1961
516	Zuber, Novak	U.S. Nuclear Regulatory Commiss	usa	42	1961
517	Zaoui, André	Ecole Polytechnique	fra	55	1972
518	Chen, Cha'o-Kuang	National Cheng Kung University	twn	399	1983
519	Le Quéré, Patrick			94	1980
520	Wang, Bu-Xuan	Tsinghua University	chn	284	1982
521	Siegel, Robert	NASA Glenn Research Center	usa	80	1960
522	Zhu, W.Q.	Zhejiang University	chn	246	1991
523	Dugdale, D.S.	University of Sheffield	gbr	15	1960
524	Sawyer, W. Gregory	University of Florida	usa	213	1994
525	Wiercigroch, Marian	University of Aberdeen	gbr	226	1993
526	Waterhouse, R.B.	University of Nottingham	gbr	144	1962
527	Sofronis, P.	University of Illinois at Urbana-Cl	usa	95	1989
528	Onck, P.R.	University of Groningen	nld	123	1995
529	Muzychka, Y.S.	Memorial University of Newfoun	can	157	1994
530	Zheng, Quanshui	Tsinghua University	chn	169	1994
531	Chen, S.S.	Argonne National Laboratory	usa	132	1966
532	Hiroyasu, Hiroyuki	Kinki University	jpn	170	1974
533	Mazars, Jacky			85	1978
534	Hahn, H.T.	University of Illinois at Urbana-Cl	usa	50	1973
535	Li, Chunyu	Purdue University	usa	75	1998
536	Sundén, Bengt	Lund University	swe	533	1996
537	Shaw, John A.	University of Michigan	usa	79	1995
538	Abu Al-Rub, Rashid K.			128	2003
539	Pook, L.P.	University of Cassino	ita	119	1968
540	Sun, Mao	Beihang University	chn	98	1991
541	Biswas, Gautam	Indian Institute of Technology, G	ind	499	1981
542	Stack, M.M.	University of Strathclyde	gbr	135	1991
543	Dawes, W.N.	University of Cambridge	gbr	144	1982
544	Wang, Moran	Tsinghua University	chn	137	2002
545	Wayner Jr., Peter C.	Rensselaer Polytechnic Institute	usa	121	1975
546	Barthelat, Francois	McGill University	can	98	1999
547	Kamlah, Marc	Forschungszentrum Karlsruhe	deu	127	1997
548	Rubin, M.B.	Technion-Israel Institute of Techr	isr	158	1981
549	Kalin, M.	University of Ljubljana	svn	149	1996
550	Susmel, L.	University of Sheffield	gbr	121	2002
551	Benzerga, A.A.	Texas A and M University	usa	85	1999
552	Tafti, Danesh K.	Virginia Polytechnic Institute and	usa	204	1991
553	Lai, F.C.	University of Oklahoma	usa	164	1986
554	Takeda, Yasushi	ETH Zurich	che	120	1984
555	Wineman, Alan	University of Michigan	usa	170	1963
556	Myers, T.G.			70	1992
557	Anderson Jr., Charles E.			147	1983
558	Lorente, S.	Universite de Toulouse PRES	fra	205	1996

559	Qiu, Zhiping	Beihang University	chn	229	1994
560	Lewis, R.	University of Sheffield	gbr	387	1996
561	Tao, Wen-Quan	Xi'an Jiaotong University	chn	728	1982
562	Kysar, Jeffrey W.	Columbia University	usa	103	1996
563	Jones, R.	Monash University	aus	287	1979
564	Atanackovic, Teodor M.	University of Novi Sad	srb	170	1974
565	Kapuria, S.	Indian Institute of Technology, D	ind	132	1996
566	Lin, Jaw-Ren	Nanya Institute of Technology Ta	twn	133	1993
567	Fisher, Timothy S.	Purdue University	usa	364	1995
568	Bons, Jeffrey P.	Ohio State University	usa	198	1993
569	Lazzarin, P.	University of Padova	ita	172	1986
570	Kefayati, G.H.R.	Hong Kong Polytechnic Universit	hkg	54	2011
571	Berto, F.	Norwegian University of Science	nor	351	2004
572	Gu, Ming	Tongji University	chn	538	1992
573	Zhang, Z.M.	Georgia Institute of Technology	usa	252	1984
574	Kamaya, Masayuki			152	1999
575	Paulino, Glaucio H.	Georgia Institute of Technology	usa	312	1993
576	Ghayesh, Mergen H.	University of Adelaide	aus	132	2007
577	Ziada, Samir	McMaster University	can	166	1979
578	Hashiguchi, Koichi			96	1980
579	Attia, Hazem Ali			204	1988
580	Kounadis, A.N.	Academy of Athens	grc	153	1966
581	Pierron, F.	University of Southampton	gbr	222	1994
582	Svendsen, Bob	RWTH Aachen University	deu	151	1993
583	Kiani, Keivan	K.N. Toosi University of Technolo	irn	86	2008
584	Elperin, T.	Ben-Gurion University of the Neg	isr	318	1981
585	Shariyat, M.	K.N. Toosi University of Technolo	irn	126	1995
586	Bhattacharyya, Krishner	Banaras Hindu University	ind	68	2010
587	Khan, Masood	Quaid-I-Azam University	pak	176	2001
588	Irschik, Hans	Johannes Kepler University of Lin	aut	185	1981
589	Sevostianov, Igor	New Mexico State University	usa	183	1997
590	Wang, Liqiu	University of Hong Kong	hkg	149	1991
591	Khoei, A.R.	Sharif University of Technology	irn	161	1997
592	de Lemos, Marcelo J.S.	Instituto Tecnologico de Aeronau	bra	182	1985
593	Altenbach, Holm	Otto-von-Guericke University	deu	222	1987
594	Neff, Patrizio	University of Duisburg-Essen	deu	134	2002
595	Yu, Wenbin	Purdue University	usa	220	2000
596	Popov, V.L.	Technische Universitat Berlin	deu	221	1996
597	Armfield, S.W.	University of Sydney	aus	192	1986
598	Tucker, Paul G.	University of Cambridge	gbr	196	1996
599	Viola, Erasmo	University of Bologna	ita	155	1976
600	Ayatollahi, M.R.	Iran University of Science and Te	irn	231	1990
601	Dombrovsky, Leonid A.	RAS - Joint Institute for High Tem	rus	115	1992
602	Massoudi, Mehrdad	National Energy Technology Labc	usa	139	1979
603	Alsaedi, Ahmed	King Abdulaziz University	sau	967	2007
604	Chang, Shuenn-Yih	National Taipei University of Tecl	twn	120	1996
605	Yan, Xiangqiao	Harbin Institute of Technology	chn	114	1991
606	Abbas, Ibrahim A.	King Abdulaziz University	sau	134	2002
607	Akbarov, S.D.	Yildiz Technical University	tur	243	1981

lastyr	rank (ns)	nc9617 (ns)	h17 (ns)	hm17 (ns)	nps (ns)	ncs (ns)	npsf (ns)	ncsf (ns)
2018	329	38543	93	58,8004	23	2775	46	6845
2017	388	25794	70	47,2333	39	5648	71	13294
2018	517	21921	66	47,5667	68	6247	158	10324
2018	525	25162	77	56,119	148	2556	369	9557
2018	684	16942	58	47,5	139	7213	260	10713
2017	782	24578	38	24,847	18	16406	51	20615
2018	1277	20772	64	41,4611	31	3347	69	5216
2014	1288	16664	44	26,4169	26	11831	57	13325
2018	1585	24535	84	43,6411	15	1006	40	4421
2017	1796	30674	88	35,9395	26	1257	59	3194
2018	1845	22623	74	44,9	11	534	62	7712
2018	1947	12827	43	36,8333	101	4783	161	9545
2018	2473	18607	68	37,6592	25	853	60	5994
2016	2793	11430	48	36,1667	53	2430	126	8065
2017	2842	19417	45	29,6233	34	1044	76	12368
2010	3437	11097	34	28,3333	37	4347	51	10275
2010	3518	8469	35	32,3333	62	5916	74	7795
2018	3776	8905	47	34,504	68	2889	139	5643
2018	4233	15917	62	36,0167	13	639	38	3714
2018	5160	6823	42	36,6667	103	2825	189	4689
2018	5700	9372	49	35	44	1119	156	4084
2018	6279	10475	54	32,9119	18	1150	40	2755
2013	6466	29389	62	28,8192	19	185	488	4958
2017	6542	7225	34	24,6667	26	4250	67	5937
2002	6818	7922	24	21,3333	37	6749	52	7826
2017	8065	7756	44	30,8603	34	1748	79	2468
2016	8068	6421	46	31,8357	57	1857	85	2850
2017	8123	7596	37	29,6667	42	2329	56	2648
2018	8381	10713	53	30,9067	28	964	72	1884
2018	8655	7592	45	30,3193	24	784	104	4211
2009	8681	8457	50	31,7111	13	1162	23	1610
2017	8725	5666	38	28,9167	96	2635	136	3789
2018	8804	6237	50	31,7167	16	563	166	5720
2017	8844	9201	45	31,5909	29	1067	84	1869
2018	9291	11302	51	33,9595	12	293	53	2805
2016	9317	6640	36	29,5	61	1256	165	4517
2018	9634	6958	46	30,4167	16	1048	43	2394
2018	9834	8596	48	30,4929	5	670	38	2627
2012	10198	16534	26	12,8357	3	3369	11	4943
2018	10406	7576	49	34,8762	34	942	55	1465
2017	10542	8382	50	30,9333	69	819	180	2357
2018	10573	8806	43	24,735	71	1145	147	2636
2014	10576	19136	55	27,6933	21	188	231	3890
2018	10720	7782	41	22,5198	37	1357	80	3989
2018	10833	7851	43	31,7095	36	970	62	1911
2015	10841	13930	48	23,8378	57	284	406	5297
2017	11048	8977	47	29,9	38	806	61	1443
2018	11372	9033	48	32,7	36	272	181	2797

2018	11403	7743	44	27,8512	15	527	87	3290
2018	11519	6668	45	30,8278	42	1209	68	1520
2017	11938	6556	43	29	16	739	86	2533
2018	12024	6520	36	27	104	1120	185	3124
2018	12350	4946	37	29,5	42	2283	51	2566
2018	12509	6741	47	31,7687	35	851	56	1282
2018	13124	8395	46	26,9758	12	651	45	2054
2018	13187	8601	45	32,7833	9	488	28	1130
2018	13525	10574	52	32,8	2	234	73	1518
2018	13911	11323	49	27,1929	21	200	95	2424
2017	13930	6012	42	25,0833	70	648	161	3246
2005	13983	6413	32	21,3667	43	1600	67	3219
2018	14056	5117	33	23,4833	31	2035	59	2679
2017	14133	12957	25	20,5	76	1399	103	1467
2017	14301	12679	56	32,744	1	97	15	1705
2017	14428	4884	30	22,8667	91	1733	220	3966
2017	14536	12037	52	30,9668	12	197	36	1385
2018	14545	5678	34	22,1167	26	1291	75	3431
2017	14759	6157	45	26,5345	17	388	100	3115
2017	14820	6772	41	27,9679	19	819	53	1696
2017	15136	8188	43	24	8	507	41	2134
2018	15359	4121	28	23,6667	312	2684	357	3106
2013	15525	5151	39	27,3167	26	858	70	2374
2017	15671	5582	22	15,95	17	4272	31	4469
2018	15726	28374	82	32,7656	5	14	57	2280
2017	15999	6888	41	26,4167	26	247	248	4420
2018	16021	4700	35	22,6833	28	1318	56	3026
2018	16059	7281	43	26,85	19	356	54	2027
2018	16143	14875	50	32,675	4	14	720	7424
2017	16201	5801	35	27,0833	50	953	86	1850
2018	16467	4898	35	27,75	51	942	155	2473
2018	16727	4911	35	25,7929	34	678	328	3614
2018	16736	16394	55	37,8126	25	35	121	977
2018	16891	5029	36	25,5167	24	1099	77	2329
2018	17092	4961	37	24,8167	20	850	48	2404
2016	17792	4077	35	25,5	30	1145	81	2351
2018	17931	7494	37	27,0095	29	482	50	1399
2018	17950	3799	31	23,1667	64	1907	91	2581
2017	18192	8014	45	28,175	16	302	57	1037
2018	18219	10024	57	34,0887	6	113	37	834
2018	18649	6960	42	27,104	21	478	60	1174
2018	18887	4439	35	25,8917	47	1043	88	2066
2017	18915	10530	46	23,8728	29	112	439	3972
2018	19078	5169	37	26,95	33	980	40	1018
2018	19184	5753	33	22,1861	42	567	85	3386
2017	19194	4659	31	23,7833	32	991	68	2554
2017	19231	3447	30	22,9833	37	2209	50	2336
2017	20014	4843	36	28,3667	80	675	127	1330
2018	20157	6678	39	25,5838	22	543	63	1089
2018	20634	9186	48	32,1444	12	23	273	4486
2017	20733	11218	56	22,8399	28	130	161	2570

2018	21009	6517	39	24,8048	87	593	179	1181
2017	21011	5062	24	15,6667	7	1460	37	4728
2017	21512	9553	49	26,9373	32	87	198	1898
2018	22713	5262	38	22,9952	15	241	119	3329
2018	22774	2901	34	27,2833	40	968	79	2207
2017	23066	5262	15	13	34	3649	40	5262
2018	23285	6988	30	16,4929	6	1387	7	1583
2018	23407	6938	44	30,9167	7	117	56	1266
2018	23478	4018	33	22,7833	20	1217	21	1230
2018	23642	7717	43	23,261	29	305	217	1699
2017	23673	3404	30	21,15	46	1316	75	2424
2018	23962	3064	35	26,25	32	994	63	1499
2018	24287	4560	30	22,0429	84	659	432	2599
2014	24395	6229	25	16,5333	14	1115	35	2816
2017	24442	4077	32	23,625	91	820	151	1636
2018	24455	3427	28	22	87	1347	142	2180
1995	24552	3793	27	18,1667	34	1434	73	2663
2018	24574	4715	37	23,6	51	506	147	1544
2017	25422	5465	38	16,7388	19	987	36	1364
2018	25577	3605	30	23,0333	23	1135	42	1475
2018	25589	7171	38	19,9798	4	151	40	3352
2017	25742	4361	34	22,1503	22	828	45	1221
2018	25888	6641	44	26,9829	17	248	36	811
2014	25961	3264	20	18,5	34	2468	58	3020
1995	26086	3580	26	19,8333	27	1664	42	1769
2018	26484	3338	28	22,6667	56	889	133	2309
2018	26927	7375	45	24,8481	17	100	100	2102
2017	27084	4566	37	23,8929	23	585	67	957
2017	27088	5170	34	22,7	27	501	84	1101
2016	27418	10288	47	23,5138	9	47	244	2706
2018	27731	3501	28	20,5833	15	973	29	2067
2018	27773	7800	41	25,9012	4	108	17	1013
2018	27927	3152	27	22,95	33	1279	74	1678
2018	28004	2095	26	24,5	119	1821	133	2079
2018	28082	4481	36	22,3595	21	581	44	1640
2018	28493	5440	38	24,9766	32	479	48	600
2018	29003	4131	34	23,3833	27	786	67	1098
2014	29614	12655	42	20,0186	23	68	326	2927
2018	29627	4602	30	17,6667	6	638	34	2263
2018	29773	4275	35	24,5929	13	485	40	997
2018	29786	4767	35	22,8214	17	214	97	2224
2015	29979	4954	36	25,3026	24	296	47	959
2017	30074	3155	28	19,0833	36	1204	55	2012
2018	30098	7772	47	24,1653	9	28	76	2470
2017	30261	5610	42	25,9167	6	267	28	646
1995	30378	3385	29	20,6167	20	874	36	1687
2017	30382	6246	30	19,4167	8	355	38	1428
2016	30466	3995	22	12,7333	9	2193	34	2824
2018	30696	6067	39	22,85	11	82	77	2209
2018	30815	3842	28	19,75	16	820	76	1497
2018	30992	5500	37	22,954	6	136	47	1706

2017	31108	3019	29	21,8333	24	594	120	2345
2018	31521	2954	21	18,8333	76	1349	106	2827
2017	31642	6589	38	20,3833	10	538	20	699
2017	31684	6053	44	29,5333	12	104	47	766
2018	31745	5831	35	21,8512	40	432	122	1079
2018	31941	3231	29	20,1167	32	856	48	1537
2009	32138	4878	38	21,7095	4	265	33	1616
2017	32419	3106	24	16,1833	23	1826	34	2163
2018	32423	5855	40	21,7945	13	319	32	659
2014	32584	2267	27	21,8333	82	1276	110	1806
2015	33203	4885	34	21,3	8	158	42	2080
2018	33266	3865	36	20,75	18	277	96	1956
2017	33659	3451	32	20,6167	13	443	46	1736
2018	33702	4663	35	23,6762	12	202	68	1686
2018	33860	3884	35	20,8286	8	325	37	1585
2018	33879	7817	40	26,5929	7	72	36	655
2017	34445	4731	35	19,8333	10	232	45	2222
2017	34505	3242	27	17,6667	42	1168	51	1292
2018	34671	4381	27	17,4167	13	240	49	3729
2018	34891	9348	35	17,976	5	35	28	3785
2017	34970	3608	28	21,5333	64	767	98	1237
2016	35601	3429	29	20,9	24	834	46	1012
2018	35978	4271	34	20,5	4	301	45	1564
2017	36215	3204	33	19,75	6	477	36	1572
2016	36219	4071	32	18,1833	9	325	76	2141
2017	36288	4647	35	23,4	7	142	39	1793
2003	36411	2611	23	18	38	1245	63	2157
2017	36583	4748	38	21,3667	15	261	53	1270
2017	36848	5830	39	24,3	5	149	35	922
2018	36981	5259	37	22,9333	5	112	45	1853
2018	37047	5914	40	22,8833	3	112	31	936
2017	37678	3576	33	20,9167	8	326	68	1908
2018	37942	4068	37	23,5357	16	189	81	1401
2018	38017	2901	27	18,5833	57	859	105	1355
2018	38586	3258	31	21,4833	15	496	52	1157
2018	38597	5575	40	23,5833	14	264	31	506
1993	39286	3705	30	19,0833	25	352	68	1479
2018	39633	7484	48	29,3762	7	14	77	1453
2017	39650	2918	25	17,4929	24	1054	47	1530
1995	39716	3191	30	19,9	12	446	56	1228
2017	39787	3146	28	19,15	21	673	60	1155
2018	39861	2364	25	18,0444	55	1247	86	1699
2017	39868	3068	32	19,0516	75	689	132	1275
1996	40291	5124	26	16,6667	7	85	84	4993
2018	40351	3342	32	21,1833	12	361	56	1177
2018	40413	3765	31	19,7333	7	307	34	1258
2018	40626	3143	26	17,25	13	672	60	1583
2018	40846	2271	25	20,2595	38	779	73	1921
2013	41078	3687	15	10,1667	12	2150	28	3564
2017	41200	2583	24	17,8333	44	915	81	1709
2018	41710	4760	36	21,95	33	135	119	946

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2018	41818	3166	25	17,4333	17	624	38	1694
2017	42022	3233	33	22,0333	20	423	31	730
2018	42096	3116	25	13,6833	21	857	35	2173
2018	42190	2262	22	18,7595	66	1189	132	1723
2010	42374	4095	25	18,5667	16	250	44	2087
2017	42383	5307	27	16,2252	8	154	32	2872
2018	42510	7914	49	25,2262	9	13	78	1353
2018	42575	6235	38	23,5524	15	90	88	812
2017	43146	2909	25	19,4167	27	419	40	1900
2012	43172	5384	36	19,2388	12	93	164	2171
2018	43217	6101	42	25,35	7	49	32	798
2018	43316	2734	26	17,6826	75	620	223	1963
2016	43320	4770	39	22,1214	11	205	24	744
2017	43478	2331	27	21,1333	28	856	29	961
2016	43732	2918	30	17,95	15	762	20	836
2009	43802	2385	26	19,1667	20	881	34	1141
2018	44396	3326	31	18,7611	6	379	27	1356
2017	44905	4247	34	20,7083	37	134	116	1177
2018	45003	3360	29	18,9595	11	317	36	1347
2017	45026	3260	27	17,7333	10	313	70	1846
2018	45045	4877	38	22,9833	15	55	91	1411
2017	45520	6415	42	22,9679	2	24	60	1898
2017	45534	2646	30	17,7095	12	520	30	1225
2018	45554	2425	28	18,5833	25	552	64	1516
2018	45619	5173	40	22,9167	5	79	38	924
2018	45947	2720	28	21	49	590	60	779
2018	46010	3550	28	17	10	291	57	1831
2018	46153	6405	26	16,7833	4	36	48	4766
2017	46159	3517	23	12,5333	7	470	48	3012
2017	46175	3974	31	21,25	23	400	39	643
2018	46378	4832	35	18,9273	4	204	24	922
2017	46627	4832	36	16,7833	4	76	63	2345
2016	46742	2765	24	17,8333	24	589	78	1395
2017	46911	2697	31	21,2	19	396	63	1045
2017	47085	2776	30	22,0095	13	400	36	825
2018	47114	3391	28	21,2833	16	241	88	1237
2018	47233	3926	38	19,85	5	67	94	2036
2017	47268	3327	29	19,6792	24	247	85	1476
2017	47913	1720	24	20,2833	49	1094	64	1270
2018	48018	3068	33	22,7333	16	267	40	760
2018	48214	5173	35	18,9238	6	185	54	1146
2017	48393	2524	23	14,0667	5	1117	26	1459
2016	48790	3240	26	16,8167	11	593	34	872
2016	49335	2030	22	18	35	1052	47	1327
2018	49408	2339	23	17,75	29	952	64	1492
2016	50094	2954	14	12,5	38	2142	47	2199
2017	50271	5076	39	23,5833	11	92	28	447
2017	50298	4731	27	11,35	8	150	48	3299
2018	50504	2404	23	17,2651	70	638	141	1665
2017	50766	3187	28	19,7833	13	314	67	813

2017	50774	2533	22	14,9833	35	977	49	1644
2016	51021	4015	33	20,5833	19	278	46	475
2018	51104	1710	25	20,1667	17	600	53	1606
2018	51308	4661	40	23,9278	4	59	29	1098
2017	51548	2973	28	20,8611	58	398	91	660
2001	51732	2470	20	16	179	585	497	2079
2018	51762	7275	42	23,8497	3	5	46	2559
2018	51902	3392	28	18,5833	1	90	223	2679
2018	52164	2654	22	15,8345	53	544	91	1632
2018	52273	2633	28	14,8317	6	474	32	1365
2018	52409	3251	26	18,45	10	368	17	784
2018	52756	2169	26	17,7833	39	442	134	1623
2018	52791	3596	24	15,1667	4	283	49	1581
2018	52826	4603	30	17,3854	33	297	79	886
2018	53037	2780	27	16,2	19	612	31	1001
2018	53125	17711	63	33,9262	0	0	29	545
2017	53276	3541	32	16,7014	7	234	60	1089
2017	53395	2094	25	17,8409	42	665	72	1157
2017	53478	2508	26	17,1667	24	307	78	1776
2018	53480	3414	21	10,2024	8	1413	11	1420
2018	53843	2220	24	19,65	39	428	153	1329
2018	53963	3392	33	19,2262	35	264	66	601
1987	54077	2745	11	10,6667	43	2670	52	2745
2017	54217	5609	39	22,5814	4	58	37	613
2008	54301	1629	17	17	78	1629	78	1629
2018	54444	3943	32	18,9262	6	68	85	1743
2011	54714	3908	31	23,8333	22	43	127	1607
2018	55185	2278	26	17,95	21	551	50	1026
2017	55575	2142	26	20	33	344	92	1200
2017	55597	5957	45	27,75	14	71	27	120
2018	55799	3709	22	11,6976	12	625	33	1229
2017	56015	2505	15	11,6667	16	1506	30	2230
2018	56222	2858	28	19	14	104	137	2096
2018	56440	3702	27	16,7857	10	428	12	441
1994	56599	2356	24	15	11	542	31	1391
2018	56877	1984	25	19,7333	55	454	125	1308
2018	57130	3348	30	20,0929	11	314	27	435
2018	57138	2720	27	17,5333	22	360	38	855
2018	57287	2423	31	19,2833	7	241	31	857
2018	57295	2686	25	17,5917	32	382	91	1138
2017	57436	2666	20	13,2024	10	930	24	1255
1999	57565	1861	15	14,3333	78	1744	94	1813
2017	57591	1958	20	15	26	930	53	1579
2017	57598	3103	26	17,0611	10	396	16	798
2017	57695	2134	24	17,75	45	472	133	1247
2016	57702	2575	23	13,2917	16	993	34	1107
2017	57787	2191	26	17,65	24	437	93	1106
2018	57881	1667	23	19	44	636	67	1240
2014	58278	7522	45	17,9054	6	10	80	2197
2018	58438	3749	29	17,4571	6	276	24	1047
2003	59251	3058	19	12,1667	23	629	35	1861

2018	59258	3629	30	22	14	132	49	535
2018	59348	3994	32	21,95	3	30	157	2071
2018	59442	1462	20	18,5	96	920	137	1397
2011	59821	2898	31	20,8333	17	192	36	594
2017	59900	3597	34	18,8147	11	86	63	1280
2011	59932	2291	27	14,9167	13	559	33	1008
2018	59966	1772	23	19,1667	68	603	97	974
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2017	60198	2982	27	19,3667	15	207	51	748
2017	60227	2442	25	17,5667	36	259	139	1408
2011	60467	2509	23	16,3333	29	350	49	1200
2017	60655	2937	31	20,6262	27	186	63	778
2017	60823	1840	22	17,5833	56	455	151	1537
2018	60852	2278	23	16,4167	28	438	125	1200
2018	61237	4244	30	19,23	7	134	44	947
2017	61266	1512	20	17,5	70	1026	85	1197
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2018	61752	2526	28	17,3667	8	256	41	1075
2018	62019	4322	34	23,5611	12	11	213	2262
2014	62031	2891	29	20,9833	15	169	47	666
2018	62086	2179	25	14,3286	43	476	125	1423
2018	62092	2413	26	17,6167	15	334	60	1047
2018	62176	2787	27	13,9833	4	484	38	1219
2018	62188	1865	22	15	7	578	39	1593
2016	62535	2257	23	15,5833	19	530	31	1081
2018	62616	2833	30	17,5333	5	98	36	1595
2018	62667	3419	29	18,9833	11	95	54	1139
2017	62727	1967	26	17,0333	38	461	91	1041
2018	63227	3617	29	17,4333	8	128	85	1150
2017	63471	1916	16	12,5	52	1450	70	1689
2018	63517	3492	31	20,0833	8	71	32	1186
2018	63676	13812	53	24,504	1	0	68	2990
2017	63813	3877	25	17,8333	14	186	43	530
2018	64171	4780	34	19,4702	10	92	25	397
2017	64184	1949	24	16,95	37	388	148	1161
2017	64457	3783	30	14,9833	15	269	74	660
2018	64666	3457	26	18,2583	11	284	62	712
2017	64854	3202	29	16,7917	19	175	60	722
2017	65050	3097	32	18,1909	9	200	54	641
2017	65095	3080	28	17,7667	78	140	169	892
2008	65300	1937	22	13,8333	17	944	36	1073
2016	65402	3097	31	17,6667	4	200	22	809
2017	65537	3191	32	17,6774	11	188	39	661
2018	65629	2862	26	14,7031	6	308	47	1123
2017	66005	1962	28	18,7333	36	249	81	988
2016	66062	2483	27	15,75	7	263	35	944
2018	66165	2041	25	17,9917	20	289	82	1225
2017	66333	3251	19	11,1167	30	389	56	1844
2008	66927	2233	25	16,3012	9	523	40	748
2017	67252	10185	48	18,6441	3	18	12	547
2018	67305	2701	31	19,1667	2	50	63	1693

2018	67685	2548	24	17,86	42	374	77	791
2018	67758	2633	27	17,8167	1	151	38	1180
2017	68325	1585	22	15	21	574	83	1451
2018	68793	3246	31	19,65	5	108	26	542
2018	68880	1691	23	18,2833	42	443	60	939
2017	68889	2426	23	13,8262	27	527	61	873
2017	68948	2219	23	15,1667	34	437	56	829
2017	69115	1883	15	11,75	24	1358	38	1614
2018	69179	4279	33	20,7167	3	42	14	570
2003	69185	2402	22	10,3429	4	620	42	1501
2018	69333	2388	26	16,4167	16	411	35	554
2016	69367	1442	20	16,0667	77	989	99	1090
2014	69456	2666	27	13,0302	2	149	37	1938
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2017	70061	2536	22	16	42	439	73	571
2018	70266	2103	25	16,8	13	510	17	595
2018	70506	4095	35	18,9774	7	51	34	556
2017	70530	1346	24	17,9167	24	454	47	1182
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2017	71286	2312	24	13,8833	26	213	70	1569
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2018	71643	1870	22	17,5	6	215	78	1506
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2018	71954	1629	21	15,6429	53	737	68	984
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2018	72123	2094	27	17,7762	12	266	54	886
2017	72148	4219	35	19,8298	5	29	35	789
2018	72359	2588	27	17,5	13	109	77	1279
1995	72370	2715	22	14,1667	10	498	13	498
2018	72587	7705	47	23,3031	0	0	37	3383
2018	72599	2824	26	19,7262	16	113	99	910
2008	72705	3411	26	14,9167	12	114	38	926
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2016	73158	2886	26	12,8177	8	344	21	953
2016	73354	1801	21	14,3333	15	663	24	901
2018	73491	2165	22	17	77	322	184	868
2018	73636	3217	25	12,4	2	158	25	1484
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2018	73961	1825	19	15,7933	171	532	297	1049
2018	74148	1622	20	13,1167	9	817	33	1195
2018	74377	4018	32	19,7833	55	144	63	202
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2017	74569	2248	17	9,2468	11	1275	21	1446
2016	74780	3069	27	17,825	19	178	33	559
2003	74818	1455	15	13,8333	39	1175	59	1454

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2018	75182	2133	23	15,0595	14	364	43	899
2015	75224	8023	47	28,6095	2	0	63	1357
2017	75321	3480	29	17,7667	21	95	41	725
2017	75625	3286	32	17,8	6	61	32	1070
2018	75696	1439	19	15,25	65	778	84	1028
2018	75718	1466	20	14,6944	125	568	267	1393
2017	75878	2436	29	16,925	5	226	26	618
2017	76097	2587	26	16,9095	18	125	55	1125
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2017	76715	2089	27	18,2833	17	103	74	1276
2018	76773	1777	25	15,7	14	192	110	1502
2018	77047	2283	24	14,6219	13	376	48	895
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2018	77177	4605	33	17,9596	8	56	27	400
2018	77182	1867	22	14,7917	30	493	68	907
2017	77220	1582	19	15,5833	30	498	66	1183
2018	77222	11054	45	19,9451	2	0	213	2888
2017	77416	3246	26	17,8429	8	99	20	713
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2017	77922	3613	31	16,2608	4	29	143	1900
2018	77970	2085	27	17,9167	6	157	47	1053
2018	78131	3424	29	19,6667	9	87	52	440
2017	78205	1953	24	18,6667	23	272	71	603
2018	78254	2057	23	14,7083	14	484	38	613
2013	78559	1387	17	13,9	21	980	36	1211
2017	78659	1835	23	14,9167	6	420	20	773
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2014	79231	1917	13	11,0833	27	1325	36	1375
2018	79332	1530	18	14,9167	19	536	97	1378
2018	79411	2798	28	17,5595	11	140	42	505
2017	79440	1732	20	15,4278	8	453	29	965
2018	79828	2652	30	15,7595	2	172	22	693
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2016	80120	1694	22	14,5833	35	539	64	777
2017	80274	3629	24	16,0833	17	181	54	320
2016	80294	1623	21	16,8667	24	380	73	905
2003	80643	1581	19	14,8333	24	747	28	807
2018	81016	1987	22	14,5333	12	260	81	1355
2018	81111	3547	29	14,625	2	20	49	2695
1992	81394	2478	9	7	7	2343	17	2417
2017	81455	1562	19	14,5833	38	623	93	908
2018	81500	3388	31	17,0385	3	107	23	399
2017	81629	2862	26	13,6345	5	118	31	1054
2018	81711	2087	24	15,7	4	132	76	1413
2017	81902	1531	20	15,4	28	507	57	1036
2017	82180	1290	16	13,8667	43	1082	49	1183
2018	82201	1708	22	17	9	139	118	1599
2018	82355	2146	23	16	9	102	50	1468

2018	82661	5909	34	15,7671	6	71	35	322
2017	82705	7319	44	26,4929	3	1	30	741
2016	82730	1470	22	15,4167	14	530	51	817
2017	83619	1578	21	14,75	16	348	82	1118
2017	84611	1965	23	16,7	43	183	127	908
2018	85152	1552	23	16,6167	49	371	85	717
2018	85222	4619	35	21,4357	1	10	20	640
2018	85636	2342	24	11,994	11	326	60	1007
2017	86758	4336	36	21,7639	5	9	53	978
2017	86924	2298	28	16,6667	2	61	45	1201
2016	86978	1822	23	14,3333	8	266	28	781
2012	87176	1550	21	15,2	24	443	48	721
2016	87563	1761	23	15,1262	20	323	33	753
2017	87566	4265	37	19,0806	9	96	17	147
2018	87732	1703	21	14,35	10	502	29	787
2005	87933	4263	23	10,0435	3	149	8	663
2016	87979	1405	18	14,8333	181	496	419	1133
1995	87998	1887	20	11,7	5	340	53	1450
2010	88048	1514	21	15,5	17	240	37	1221
2001	88432	1402	13	11,5	25	1307	31	1353
2018	88550	2112	25	13,9667	3	241	24	670
2018	88876	3301	22	11,7635	3	81	37	1796
2012	89126	1250	16	13,8611	33	870	54	1078
2018	89137	1401	19	14,8333	25	348	141	1258
2018	89482	3040	24	14,2595	15	155	66	611
2016	90502	1628	20	13,5	24	299	63	1138
2018	90543	3058	32	19,2333	3	48	27	369
2017	91216	1749	19	14,8667	33	222	92	1271
2005	91244	1352	20	14,4167	16	393	45	1020
2009	91281	1711	22	15,9	33	294	55	666
2016	91319	3121	32	18,0167	5	52	28	484
2013	91334	2853	25	16,75	21	179	31	240
2018	91437	2432	25	16,6083	16	106	42	618
2017	91468	2100	26	16,0833	15	146	40	584
2017	91483	2037	24	15,7679	7	330	12	423
2018	91599	4372	35	16,99	5	21	49	531
2013	91939	1921	21	13,7857	28	134	95	1464
2017	92038	8910	51	22,3095	0	0	23	1176
2018	92126	6802	38	20,704	7	5	51	741
2017	92244	3430	33	18,8857	9	57	32	255
2017	92313	1152	18	15	119	508	159	1124
2018	92366	1258	21	15,6528	28	430	58	900
2018	92786	2329	22	13,6195	24	144	92	1004
2017	92822	1423	17	12,75	11	719	31	970
2018	93183	6103	43	22,5151	1	3	13	554
2018	93216	5059	30	16,9512	2	34	18	630
2018	93241	1132	17	14,8333	52	714	80	923
2017	93391	1789	18	11,0083	7	645	13	909
2018	93662	2366	27	17,5333	4	22	139	1894
2013	93994	4469	35	15,7465	3	22	65	728
2017	94579	2226	25	15,7667	11	63	108	1073

2018	94582	3723	25	13,7333	10	89	31	832
2017	94815	2630	25	16,5833	2	45	53	1141
2012	94878	2612	25	13,1171	13	99	94	1230
2018	95084	1304	20	15,9167	17	260	124	1052
2017	95147	1286	17	13,1667	55	816	65	873
2017	95305	1690	24	16,2417	4	188	24	637
2011	95350	1100	17	15	40	755	84	870
2017	95480	2008	23	17,8333	9	105	27	640
2010	95588	2279	17	11,0588	8	482	14	614
2015	95624	2520	21	11,3012	3	375	5	394
2018	95896	5369	38	26,85	2	0	104	1430
2017	96008	1701	22	13,0798	6	359	15	692
2017	96033	3922	26	14,7278	3	20	55	1098
1999	96107	1015	18	16	48	600	62	852
2018	96686	1859	22	15,6667	6	146	60	836
2004	96932	3348	5	4,5	12	3343	15	3348
2018	97470	4202	32	16,0135	2	34	18	475
2018	97565	2220	28	15,95	8	124	32	554
2017	97827	1419	20	12,6167	28	559	63	752
2018	98064	3009	29	13,873	1	60	13	694
2018	98415	2911	27	14,9004	5	87	20	700
2018	98421	1788	22	14,6167	11	180	48	785
2017	98708	4251	32	14,8606	5	10	37	1412
2001	99107	1282	19	15,1667	42	444	88	804
2011	99202	2030	22	12,5333	4	151	31	969
2018	99249	1813	18	9,6762	5	411	29	1249
1993	99588	1700	17	12,8333	10	286	27	1068
2018	99916	5816	30	17,85	0	0	64	4683
2018	100012	3854	29	22,1167	15	58	34	124
2018	100297	2123	19	10,6976	2	202	18	1430
2018	100458	2044	27	13,4167	11	96	50	976
2018	100769	983	18	14,3333	74	712	97	834
2018	100904	1952	23	15	3	73	24	1082
2017	101035	5298	37	21,7306	5	2	66	950
2017	101069	2082	25	17,319	8	56	64	943
2018	101212	1715	19	13,5214	37	460	54	529
2016	101310	3532	30	16,5762	1	9	62	1764
2018	101914	1713	24	13,8024	15	355	20	393
2018	102746	1968	20	11,7333	6	237	26	997
2018	103043	1862	21	12,75	1	260	16	777
2018	103875	1259	20	14,9833	43	375	74	679
2018	105039	1864	25	14,7952	2	68	68	1146
2018	105317	1290	21	14,0667	17	248	60	941
2018	105390	1619	22	10,9417	6	202	30	1136
2018	105836	1952	25	17,2417	9	137	23	374
2018	106810	1469	21	14,8333	11	136	46	976
2016	106953	1297	17	11,9929	16	682	35	758
2018	107105	1657	22	15	26	203	59	522
2018	107198	1154	17	12,5833	11	501	39	967
2018	107436	1727	22	13,3167	7	130	69	1040
2018	107592	3327	28	17	7	43	36	399

2018	107788	1758	22	14,5	2	87	64	1117
2018	108475	2341	27	14,9468	19	82	79	705
2017	109454	7519	42	23,8833	0	0	20	471
2018	109501	10444	22	12,9361	12	89	18	297
2018	114379	2525	26	14,1667	7	41	115	813
2018	114609	1317	22	13,1167	29	146	114	996
2018	114663	1647	21	15,9167	3	52	87	1279
2017	115121	1011	16	14,6167	35	476	95	798
2018	115236	5294	35	18,3314	3	13	21	196
2018	116146	1610	17	11,9333	7	199	39	1044
2015	116751	3734	33	21,25	2	1	48	1546
2018	117530	819	16	15,5	35	581	43	730
2018	117609	2170	27	15,6667	13	31	103	955
2017	117850	2597	25	14,854	5	31	90	746
2018	118159	3034	28	17,8083	8	17	53	442
2018	118226	986	17	13,4167	68	366	124	948
2018	118603	5885	41	26,9833	2	0	36	471
2018	119560	1192	19	13,75	11	183	87	981
2018	120815	1297	21	14,0833	10	161	50	709
2017	120857	974	16	13	37	495	63	823
2017	123988	849	15	13,7	148	571	189	776
2018	125039	1037	17	13,4833	61	383	101	656
2018	126305	2129	25	15,8838	11	36	48	606
2018	127706	1415	21	14,0171	15	211	31	469
2018	129445	720	15	14,6667	70	589	82	706
2018	130361	2256	23	15,6762	2	22	138	936
2018	132766	939	16	13,75	21	383	66	623
2018	133019	922	18	13,25	16	269	46	809
2018	133052	1996	23	14	5	47	93	818
2018	134220	1167	17	11,8922	16	292	73	646
2018	134225	1489	19	13,8167	12	67	82	957
2018	135016	1532	22	13,8929	20	103	50	492
2018	139787	1335	19	13,7833	8	72	115	870
2018	140954	1214	20	13,8333	49	177	103	337
2018	144435	1256	18	12,7833	21	134	106	762
2018	150442	1175	18	12,3167	12	192	54	513
2018	150502	1314	19	12,8333	12	62	54	849
2018	152549	1112	16	11,1595	30	297	85	542
2018	153729	1518	21	14,7	5	82	24	357
2018	154647	1017	15	12,95	20	293	50	504
2018	155425	2421	28	14,8524	5	9	50	515
2018	163183	2644	27	19,8	1	0	114	1649
2018	170020	795	15	11,569	34	206	88	735
2018	170077	1136	17	11,8333	22	109	68	589
2018	185342	4847	27	16,1409	5	3	39	154
2018	245983	442	11	10,1667	74	336	113	423
2017	289339	386	10	9,8333	53	288	86	335
2018	318113	488	11	8,3667	35	142	83	311
2018	488881	398	7	6,5	34	53	201	339

npsfl (ns)	ncsfl (ns)	c (ns)	npciting (ns	cprat (ns)	self%	rank	nc9617	h17
244	29361	4,8605	24477	1,575	5,85%	384	40938	97
181	24467	4,8298	18684	1,381	3,31%	467	26677	73
591	20758	4,7809	12195	1,798	9,76%	504	24291	72
817	22136	4,7788	17538	1,435	20,22%	358	31541	88
524	16205	4,7306	9166	1,848	15,62%	558	20079	64
198	23899	4,7040	21681	1,134	1,01%	914	24829	40
231	17027	4,6150	13035	1,594	7,62%	1349	22486	68
110	15876	4,6135	14291	1,166	1,62%	1555	16938	46
244	17092	4,5740	15432	1,590	10,90%	1563	27535	90
248	16554	4,5484	21056	1,457	7,18%	2046	33045	91
240	17136	4,5436	13993	1,617	7,86%	2056	24554	78
254	12547	4,5338	7619	1,684	10,36%	1575	14310	51
367	15506	4,4851	13166	1,413	14,58%	2293	21784	72
186	10721	4,4560	7447	1,535	3,96%	3214	11901	50
182	17960	4,4526	14456	1,343	2,68%	3344	19952	48
60	10798	4,4097	8738	1,270	0,34%	4402	11135	34
118	8469	4,4035	5135	1,649	0,61%	4500	8521	35
339	8564	4,3880	5716	1,558	15,04%	3424	10481	52
273	12387	4,3627	10692	1,489	12,53%	4071	18198	67
232	6578	4,3193	3308	2,063	16,35%	3995	8157	48
428	8418	4,2939	5541	1,691	24,16%	3972	12358	57
186	7725	4,2697	7739	1,354	8,43%	7073	11439	57
898	9472	4,2625	27020	1,088	17,11%	5352	35456	73
103	6785	4,2593	5130	1,408	3,94%	7520	7521	37
58	7910	4,2490	6632	1,195	0,76%	8593	7983	24
275	6565	4,2071	5569	1,393	6,40%	9786	8286	45
168	5380	4,2070	5020	1,279	6,54%	9412	6870	48
168	7322	4,2049	5739	1,324	7,34%	8655	8198	40
323	6817	4,1976	7451	1,438	20,63%	6629	13497	61
306	7062	4,1889	5694	1,333	8,43%	9348	8291	48
265	7899	4,1882	5341	1,583	11,76%	9075	9584	54
173	4859	4,1870	4232	1,339	10,91%	8918	6360	40
173	5900	4,1845	1870	3,335	41,25%	3391	10616	67
447	8186	4,1833	6850	1,343	5,13%	10157	9699	46
251	8961	4,1704	7280	1,552	10,71%	9442	12657	55
223	6437	4,1698	3678	1,805	13,63%	8435	7688	40
127	6815	4,1607	4969	1,400	5,31%	10813	7348	47
272	6730	4,1550	3498	2,457	21,04%	8129	10886	55
44	10429	4,1445	8205	2,015	1,93%	12756	16859	26
275	5486	4,1395	5120	1,480	25,80%	7867	10210	58
313	4410	4,1359	5568	1,505	10,41%	10892	9356	54
305	6472	4,1354	4213	2,090	10,71%	10960	9862	45
400	5651	4,1353	17893	1,069	15,03%	9684	22521	61
122	5425	4,1316	5421	1,436	9,16%	11787	8567	43
266	5840	4,1285	3854	2,037	20,25%	9394	9844	51
655	6689	4,1283	12192	1,143	15,29%	9164	16444	55
238	7306	4,1227	7235	1,241	4,57%	12904	9407	49
429	7734	4,1145	6062	1,490	18,55%	8060	11090	55

225	7018	4,1138	5769	1,342	6,02%	12816	8239	46
300	5433	4,1110	3920	1,701	16,74%	11310	8009	48
194	6200	4,1009	4029	1,627	3,33%	14473	6782	43
354	5706	4,0990	3069	2,124	15,20%	10535	7689	40
101	3068	4,0920	2564	1,929	10,83%	12283	5547	42
254	5863	4,0886	4952	1,361	9,19%	14181	7423	48
132	5241	4,0756	6244	1,344	11,94%	13727	9533	49
208	7903	4,0743	5275	1,631	20,74%	9898	10852	55
406	6696	4,0664	4917	2,151	39,96%	6087	17611	69
374	7645	4,0588	8745	1,295	18,57%	12147	13906	54
257	5464	4,0584	3908	1,538	3,42%	16461	6225	42
96	5508	4,0573	5035	1,274	5,12%	15700	6759	33
126	4693	4,0558	3816	1,341	8,89%	15307	5616	36
231	12814	4,0544	11557	1,121	0,48%	16967	13019	26
134	8651	4,0514	8650	1,466	7,95%	15827	13774	59
270	4702	4,0488	3502	1,395	15,27%	11846	5764	34
318	7076	4,0471	9345	1,288	14,19%	14410	14027	59
152	5137	4,0470	4191	1,355	10,22%	14702	6324	37
220	5760	4,0423	4626	1,331	10,01%	16419	6842	45
239	4821	4,0412	5272	1,285	15,95%	13339	8057	47
118	6394	4,0356	5295	1,546	4,25%	17708	8551	45
425	3934	4,0314	2966	1,389	11,51%	15964	4657	29
129	4332	4,0283	3356	1,535	11,99%	16116	5853	42
104	5267	4,0256	5147	1,085	1,57%	18551	5671	24
199	6216	4,0244	16447	1,725	19,04%	12716	35047	90
312	5417	4,0196	5383	1,280	9,06%	17089	7574	43
115	4321	4,0190	3306	1,422	11,92%	16718	5336	36
192	6616	4,0182	4102	1,775	8,55%	17739	7962	45
970	9602	4,0165	6177	2,408	47,68%	4646	28429	73
242	4945	4,0155	4152	1,397	6,90%	17568	6231	37
318	3911	4,0107	3307	1,481	22,03%	13569	6282	42
450	4211	4,0058	3274	1,500	38,60%	7550	7998	45
943	13631	4,0057	7949	2,062	24,43%	13509	21694	66
207	3671	4,0031	3243	1,551	21,70%	12429	6423	41
145	4533	3,9997	3774	1,315	8,40%	18541	5416	39
150	3832	3,9887	2752	1,481	6,15%	20040	4344	37
175	6425	3,9865	4619	1,622	14,16%	16638	8730	42
164	3572	3,9862	3207	1,185	9,18%	18380	4183	34
270	7253	3,9819	6322	1,268	2,85%	22220	8249	45
354	7187	3,9814	6863	1,461	15,59%	17503	11876	61
247	5419	3,9746	4886	1,424	10,23%	19515	7753	44
173	3433	3,9708	2781	1,596	23,15%	14435	5776	42
604	4931	3,9703	9434	1,116	17,37%	16721	12743	51
216	4952	3,9675	3523	1,467	15,18%	16749	6094	43
161	4744	3,9660	4039	1,424	10,04%	18731	6395	36
137	4221	3,9658	2633	1,769	11,26%	19313	5250	35
85	3189	3,9654	2184	1,578	6,81%	22167	3699	30
229	4654	3,9538	2521	1,921	12,94%	19113	5563	40
419	5544	3,9521	4727	1,413	13,60%	21088	7729	42
468	7604	3,9447	7056	1,302	4,17%	24645	9586	49
246	3248	3,9432	10113	1,109	11,93%	20961	12738	58

547	4442	3,9394	5012	1,300	23,80%	18994	8553	42
49	5016	3,9394	4488	1,128	1,04%	24894	5115	25
420	6007	3,9325	7779	1,228	11,62%	21600	10809	53
206	4649	3,9165	3486	1,509	13,08%	23621	6054	41
126	2525	3,9158	1526	1,901	18,81%	19245	3573	39
41	5262	3,9120	3536	1,488	0,06%	28542	5265	15
56	4441	3,9095	4948	1,412	5,49%	26526	7394	32
169	6068	3,9077	3866	1,795	13,72%	21330	8041	49
164	3953	3,9068	2701	1,488	19,66%	20755	5001	38
383	3222	3,9049	6815	1,132	17,19%	22535	9319	47
103	3117	3,9045	2447	1,391	7,02%	25709	3661	31
111	2958	3,9003	1539	1,991	19,24%	19821	3794	39
639	3608	3,8962	3269	1,395	37,81%	11995	7332	37
65	4289	3,8950	4181	1,490	2,84%	28577	6411	26
316	3673	3,8944	2645	1,541	24,76%	19178	5419	36
215	3131	3,8942	2515	1,363	20,45%	21943	4308	30
116	3732	3,8931	2982	1,272	0,52%	29842	3813	27
377	3959	3,8928	3639	1,296	8,57%	27561	5157	37
87	3856	3,8824	2941	1,858	4,69%	30218	5734	39
138	3433	3,8807	2508	1,437	21,89%	23234	4615	35
161	5057	3,8805	3735	1,920	24,46%	21020	9493	44
152	3904	3,8787	3190	1,367	10,93%	26217	4896	38
192	4526	3,8769	4865	1,365	13,34%	25785	7663	50
82	3249	3,8760	2666	1,224	3,80%	28189	3393	22
116	3580	3,8745	2249	1,592	2,32%	31268	3665	27
260	3183	3,8693	1937	1,723	26,07%	18545	4515	34
295	3935	3,8641	5775	1,277	23,76%	22915	9673	50
245	3830	3,8621	3296	1,385	7,61%	31213	4942	38
232	4707	3,8621	3341	1,547	19,04%	24250	6386	39
437	4580	3,8583	9191	1,119	13,81%	26278	11936	50
124	3302	3,8546	2031	1,724	27,43%	19891	4824	35
230	7033	3,8541	5580	1,398	7,96%	31052	8475	43
206	2744	3,8523	2086	1,511	26,66%	22467	4298	33
136	2095	3,8515	1175	1,783	14,38%	27655	2447	27
82	2498	3,8507	3385	1,324	11,50%	29610	5063	39
166	4436	3,8465	4586	1,186	10,88%	31928	6104	41
140	2680	3,8408	3480	1,187	10,20%	32168	4600	35
455	3407	3,8337	11949	1,059	11,86%	27735	14358	45
78	3469	3,8336	3531	1,303	5,97%	33939	4894	31
279	3469	3,8320	3007	1,422	29,88%	19612	6097	44
287	3829	3,8319	3171	1,503	24,54%	22590	6317	41
147	4389	3,8297	3708	1,336	8,61%	32014	5421	40
71	2671	3,8286	2455	1,285	5,00%	34940	3321	29
219	7139	3,8282	5848	1,329	16,29%	26248	9284	51
163	4173	3,8267	3445	1,628	6,76%	35175	6017	43
68	3040	3,8255	2564	1,320	2,14%	35925	3459	30
89	5329	3,8255	5188	1,204	1,44%	36995	6337	30
62	3535	3,8246	3544	1,127	2,08%	37029	4080	22
263	5627	3,8223	4200	1,445	10,91%	30030	6810	42
212	3672	3,8209	3120	1,231	12,50%	32205	4391	29
194	5162	3,8193	3975	1,384	15,51%	31085	6510	40

155	2857	3,8180	1825	1,654	18,23%	28973	3692	31
114	2891	3,8139	2537	1,164	3,62%	34521	3065	23
83	3106	3,8126	5481	1,202	6,41%	37061	7040	38
235	4620	3,8122	3899	1,552	15,79%	30512	7188	49
271	2803	3,8115	4526	1,288	19,25%	30176	7221	41
98	3133	3,8096	2516	1,284	2,86%	37025	3326	30
100	2953	3,8077	3695	1,320	12,66%	32991	5585	39
77	2604	3,8050	2499	1,243	5,76%	37181	3296	25
213	4330	3,8050	4624	1,266	13,01%	32048	6731	44
141	2219	3,8036	1583	1,432	10,96%	32684	2546	28
243	4528	3,7971	2747	1,778	15,78%	33380	5800	37
180	3211	3,7966	2888	1,338	17,87%	32624	4706	38
124	3145	3,7926	2181	1,582	6,68%	39497	3698	32
150	3111	3,7922	3347	1,393	17,13%	29255	5627	40
120	3304	3,7908	2518	1,542	16,29%	32931	4640	37
379	7554	3,7907	5376	1,454	19,30%	30710	9686	46
84	2890	3,7854	3363	1,407	9,05%	38809	5202	36
141	3241	3,7848	2847	1,139	1,55%	42382	3293	27
68	4204	3,7833	3688	1,188	5,34%	36440	4628	29
175	7038	3,7812	6418	1,457	7,16%	36301	10069	38
223	2520	3,7805	2424	1,488	13,93%	32475	4192	33
145	2759	3,7744	2690	1,275	10,31%	37567	3823	30
90	2888	3,7711	1588	2,690	19,69%	32525	5318	39
74	2712	3,7688	1979	1,619	6,45%	41139	3425	35
141	3045	3,7688	3045	1,337	9,05%	40135	4476	33
139	3237	3,7684	3660	1,270	17,06%	33403	5603	39
94	2440	3,7671	1802	1,449	7,18%	40091	2813	25
122	2461	3,7655	3065	1,549	9,46%	39852	5244	40
165	3261	3,7630	3561	1,637	18,97%	31517	7195	45
127	3039	3,7618	3275	1,606	19,33%	30826	6519	42
317	4539	3,7612	4119	1,436	17,83%	32628	7197	45
136	2187	3,7557	2017	1,773	28,28%	28571	4986	40
182	2580	3,7533	2541	1,601	18,46%	35821	4989	42
201	2818	3,7525	2290	1,267	20,69%	29922	3658	31
125	2512	3,7475	2472	1,318	12,30%	40254	3715	33
220	2956	3,7474	4200	1,327	15,00%	39865	6559	45
130	3275	3,7413	3021	1,226	1,49%	47768	3761	30
180	4910	3,7382	4936	1,516	11,15%	40243	8423	53
98	2320	3,7380	1986	1,469	7,57%	44364	3157	27
191	3092	3,7374	2263	1,410	1,63%	48781	3244	30
159	2785	3,7368	2256	1,395	6,12%	45044	3351	29
116	1957	3,7362	1549	1,526	13,34%	39856	2728	27
169	1901	3,7361	2596	1,182	7,90%	44423	3331	33
88	5036	3,7325	3382	1,515	0,04%	49856	5126	26
166	2668	3,7320	2513	1,330	22,15%	34214	4293	37
124	3318	3,7313	2932	1,284	14,92%	40359	4425	33
124	2835	3,7297	2173	1,446	21,60%	31586	4009	33
78	1972	3,7280	1698	1,337	21,06%	34404	2877	31
43	3646	3,7260	2933	1,257	2,31%	49769	3774	15
120	2403	3,7251	1867	1,384	5,76%	45407	2741	26
251	3945	3,7207	3944	1,207	12,35%	43479	5431	37

78	1873	3,7205	1096	1,709	0,00%	51436	1873	21
53	2671	3,7199	2033	1,557	10,18%	44474	3525	26
137	2735	3,7184	2615	1,236	14,31%	43311	3773	35
55	2698	3,7178	975	3,196	11,45%	46001	3519	27
199	2006	3,7170	1380	1,639	39,23%	22385	3722	30
104	3453	3,7154	3349	1,223	5,21%	48281	4320	27
120	3748	3,7153	3916	1,355	12,83%	36501	6088	32
300	5641	3,7144	5226	1,514	20,13%	39281	9908	55
323	3661	3,7139	4853	1,285	13,85%	45603	7237	41
73	2616	3,7095	2194	1,326	9,94%	44117	3230	28
244	2671	3,7092	4821	1,117	17,23%	42783	6505	38
189	4400	3,7089	3869	1,577	17,73%	42324	7416	45
245	2059	3,7081	1917	1,426	19,42%	40269	3393	28
123	2332	3,7081	2718	1,755	14,64%	43803	5588	41
131	2082	3,7070	1270	1,835	10,89%	46062	2616	30
61	2528	3,7051	2103	1,388	8,47%	50127	3188	30
101	2234	3,7046	1842	1,295	5,13%	51008	2514	26
63	2192	3,7003	2608	1,275	11,52%	46407	3759	35
256	3481	3,6964	2989	1,421	15,85%	41714	5047	38
133	2785	3,6957	2464	1,364	11,04%	46639	3777	33
178	2903	3,6955	2025	1,610	19,80%	40010	4065	33
258	3709	3,6954	4004	1,218	12,35%	45494	5564	41
170	3700	3,6920	4401	1,458	14,13%	46849	7471	44
111	2458	3,6919	1740	1,521	6,47%	50536	2829	32
92	2090	3,6917	1723	1,407	16,23%	44462	2895	29
167	3205	3,6913	3268	1,583	23,99%	38400	6806	47
205	2429	3,6885	1753	1,552	20,65%	39976	3428	32
105	2723	3,6880	2208	1,608	13,60%	43924	4109	31
187	5688	3,6868	4616	1,388	5,77%	49058	6797	28
71	3235	3,6868	2494	1,410	2,76%	53138	3617	23
159	2310	3,6867	2919	1,361	13,72%	46268	4606	35
88	2643	3,6853	3796	1,273	13,37%	47261	5578	38
93	3448	3,6834	2312	2,090	7,59%	52350	5229	37
117	2589	3,6825	1929	1,433	11,49%	46648	3124	27
129	1960	3,6811	1767	1,526	16,71%	46667	3238	34
133	2307	3,6800	2098	1,323	10,77%	50864	3111	33
275	2655	3,6797	1781	1,904	28,48%	34167	4741	35
180	3064	3,6787	2230	1,761	29,29%	36178	5552	45
243	2451	3,6785	2688	1,238	16,70%	45722	3994	33
82	1577	3,6738	1495	1,151	6,62%	55308	1842	25
109	2363	3,6730	1622	1,891	10,94%	51316	3445	35
147	1864	3,6715	3354	1,542	19,89%	41998	6457	40
107	2386	3,6702	1971	1,281	2,55%	58725	2590	23
89	2865	3,6672	2307	1,404	6,01%	57948	3447	26
70	1908	3,6633	1616	1,256	9,46%	54747	2242	22
98	1531	3,6627	1683	1,390	9,62%	50994	2588	25
63	2307	3,6581	2456	1,203	4,92%	56628	3107	16
182	3788	3,6569	3904	1,300	11,83%	50022	5757	40
115	4400	3,6567	3572	1,324	3,31%	58101	4893	28
183	1959	3,6553	2082	1,155	14,08%	49173	2798	27
206	2876	3,6534	2279	1,398	14,60%	49019	3732	31

80	1863	3,6533	2007	1,262	9,47%	54451	2798	25
211	2775	3,6515	2906	1,382	13,77%	50391	4656	35
62	1626	3,6509	1381	1,238	3,72%	58803	1776	26
89	2174	3,6495	3513	1,327	8,43%	54836	5090	43
304	2448	3,6478	2149	1,383	24,89%	43222	3958	33
591	2434	3,6465	1858	1,329	10,15%	56020	2749	20
242	5427	3,6463	4415	1,648	27,00%	43822	9966	46
284	3044	3,6453	1948	1,741	34,84%	36388	5206	36
97	2520	3,6435	2401	1,105	11,24%	51674	2990	25
71	2420	3,6427	1957	1,345	10,72%	57291	2949	29
180	3024	3,6418	2045	1,590	12,14%	56246	3700	27
167	1906	3,6395	1271	1,707	45,50%	23171	3980	35
96	3291	3,6393	3050	1,179	3,28%	60689	3718	25
230	1953	3,6390	3822	1,204	31,02%	25773	6673	38
69	1988	3,6377	1936	1,436	12,55%	55064	3179	28
576	10148	3,6370	12958	1,367	17,13%	52702	21371	68
157	2403	3,6358	2875	1,232	15,08%	53304	4170	33
127	1874	3,6350	1703	1,230	11,68%	54350	2371	28
121	2245	3,6345	1647	1,523	12,83%	53880	2877	27
36	2470	3,6345	2821	1,210	4,56%	60457	3577	22
227	2003	3,6323	1171	1,896	23,97%	45086	2920	28
193	2530	3,6315	2500	1,357	12,58%	55720	3880	35
52	2745	3,6308	2592	1,059	0,00%	65907	2745	11
233	3196	3,6297	4533	1,237	17,11%	42004	6767	43
78	1629	3,6291	1313	1,241	4,74%	56449	1710	19
160	3131	3,6281	2319	1,700	18,42%	48562	4833	38
278	3212	3,6267	2476	1,578	28,84%	40267	5492	38
135	1861	3,6235	1637	1,392	15,25%	56956	2688	28
148	2018	3,6210	1427	1,501	22,62%	47747	2768	29
205	4969	3,6209	3612	1,649	11,70%	56160	6746	49
48	3292	3,6196	3017	1,229	9,54%	58750	4100	24
43	2413	3,6182	2104	1,191	2,60%	65035	2572	16
224	2675	3,6167	1954	1,463	14,89%	55750	3358	30
61	3453	3,6153	2550	1,452	9,53%	62550	4092	28
59	2226	3,6143	1711	1,377	1,09%	68736	2382	24
149	1530	3,6125	1081	1,835	37,22%	33556	3160	34
190	2562	3,6109	2461	1,360	20,81%	50422	4228	33
195	2429	3,6108	1978	1,375	15,66%	57673	3225	30
103	2359	3,6099	1179	2,055	26,26%	43754	3286	38
127	2009	3,6098	2232	1,203	10,85%	60480	3013	26
117	2394	3,6090	2417	1,103	4,38%	66575	2788	21
103	1845	3,6082	1420	1,311	0,85%	69793	1877	15
86	1858	3,6081	1236	1,584	13,02%	58931	2251	21
129	2335	3,6080	2447	1,268	13,97%	57613	3607	29
225	1916	3,6074	1216	1,755	13,32%	57261	2462	28
89	1881	3,6073	2333	1,104	13,33%	57975	2971	25
155	1933	3,6068	1006	2,178	19,63%	51388	2726	29
99	1655	3,6063	1132	1,473	18,36%	51609	2042	27
110	3484	3,6037	6548	1,149	13,17%	60141	8663	50
77	1494	3,6026	2743	1,367	20,56%	51132	4719	34
48	2475	3,5974	2791	1,096	4,79%	69721	3212	19

285	3133	3,5974	2496	1,454	24,06%	50568	4779	34
259	2788	3,5969	1957	2,041	35,01%	37485	6146	41
143	1462	3,5962	893	1,637	8,91%	61387	1605	22
99	2459	3,5939	2201	1,317	9,27%	66015	3194	34
113	2166	3,5933	2821	1,275	15,56%	60760	4260	36
56	1872	3,5931	1740	1,317	9,70%	63392	2537	29
199	1750	3,5929	827	2,143	38,39%	32586	2876	31
48	2584	3,5921	2470	1,136	2,43%	68911	2875	17
170	2761	3,5916	1945	1,533	10,88%	64969	3346	28
197	2120	3,5914	1146	2,131	36,96%	34319	3874	32
87	2509	3,5898	1788	1,403	5,18%	65763	2646	26
119	1843	3,5887	2252	1,304	12,14%	65893	3343	33
210	1812	3,5877	1621	1,135	9,54%	63932	2034	24
220	2110	3,5875	1563	1,457	19,96%	54652	2846	25
127	1805	3,5852	3341	1,270	18,18%	55463	5187	34
119	1484	3,5850	1198	1,262	0,46%	74529	1519	20
153	2033	3,5839	2042	1,260	11,97%	63441	2923	30
120	1963	3,5821	1878	1,345	17,02%	62162	3044	30
316	3744	3,5807	2995	1,443	31,43%	33868	6303	41
131	2418	3,5806	2239	1,291	10,96%	62741	3247	32
161	1823	3,5803	1509	1,444	37,02%	40392	3460	33
132	1784	3,5802	1763	1,369	22,41%	51793	3110	31
71	1476	3,5797	2408	1,157	13,47%	58693	3221	30
43	1815	3,5797	895	2,084	11,06%	65153	2097	23
75	1962	3,5774	1643	1,374	6,39%	69016	2411	24
101	2457	3,5769	1797	1,577	19,75%	54699	3530	33
238	2614	3,5766	2491	1,373	23,19%	53601	4451	33
127	1635	3,5763	1545	1,273	9,10%	68341	2164	26
263	2161	3,5735	2728	1,326	21,01%	53432	4579	34
76	1830	3,5720	1802	1,063	0,62%	76895	1928	16
148	2340	3,5717	2460	1,420	22,71%	54751	4518	37
138	3502	3,5709	11811	1,169	4,53%	76180	14467	53
143	3774	3,5702	2521	1,538	1,02%	73442	3917	26
168	3386	3,5681	3437	1,391	16,17%	61225	5702	37
217	1915	3,5680	1320	1,477	4,51%	74308	2041	24
123	2115	3,5664	2850	1,327	20,00%	64285	4729	33
145	1674	3,5652	2622	1,318	12,21%	61981	3938	29
187	2774	3,5641	2700	1,186	12,13%	60004	3644	30
131	1849	3,5629	2514	1,232	10,23%	70989	3450	33
319	2690	3,5626	2096	1,469	2,90%	75772	3172	29
91	1550	3,5614	1557	1,244	5,14%	73976	2042	24
52	1643	3,5608	2352	1,317	19,91%	60683	3867	37
89	1923	3,5601	2442	1,307	18,53%	62737	3917	36
96	1858	3,5595	2407	1,189	16,19%	62510	3415	29
126	1732	3,5574	1478	1,327	17,28%	65258	2372	30
80	2252	3,5570	1795	1,383	3,69%	74729	2578	28
119	1610	3,5564	1519	1,344	16,69%	61451	2450	30
159	2872	3,5554	2497	1,302	2,05%	78073	3319	19
122	1608	3,5520	1679	1,330	18,77%	63006	2749	27
71	2505	3,5502	7244	1,406	11,74%	69272	11540	56
123	2568	3,5498	1204	2,243	21,00%	59689	3419	37

237	1556	3,5477	2034	1,253	38,87%	34645	4168	35
79	1957	3,5473	1677	1,570	14,84%	64401	3092	32
96	1535	3,5441	1166	1,359	2,22%	81088	1621	22
203	2659	3,5414	2308	1,406	22,60%	58613	4194	36
113	1565	3,5410	1057	1,600	19,17%	62546	2092	27
155	1972	3,5409	1569	1,546	13,11%	72556	2792	24
91	2175	3,5406	1947	1,140	4,31%	78840	2319	24
55	1875	3,5396	1793	1,050	3,68%	81913	1955	15
144	3706	3,5392	3153	1,357	11,79%	71541	4851	35
83	2115	3,5392	1760	1,365	13,97%	69035	2792	25
103	1996	3,5384	1987	1,202	11,75%	73849	2706	27
123	1248	3,5382	838	1,721	8,85%	70268	1582	22
54	2275	3,5377	1842	1,447	7,72%	78266	2889	28
137	2178	3,5344	1627	1,468	21,58%	57379	3045	29
151	2478	3,5343	2058	1,232	14,44%	64769	2964	25
89	1631	3,5332	1219	1,725	22,71%	61671	2721	28
217	3278	3,5319	3067	1,335	19,29%	56507	5074	41
52	1299	3,5318	890	1,512	16,45%	69257	1611	26
92	2296	3,5317	3147	1,109	5,98%	78555	3711	28
85	2843	3,5314	3808	1,222	7,50%	78292	5030	31
82	1667	3,5307	2169	1,426	15,12%	61689	3643	30
113	2204	3,5276	1718	1,346	9,79%	75795	2563	25
72	1097	3,5269	1070	1,358	20,03%	66978	1817	26
112	1272	3,5269	1232	1,484	15,88%	65511	2173	29
157	1840	3,5268	1722	1,318	19,93%	61172	2835	28
184	2833	3,5261	2338	1,319	4,55%	83626	3230	29
84	1867	3,5256	960	1,948	23,08%	58129	2431	27
44	1173	3,5250	967	1,231	4,26%	81449	1243	19
85	1345	3,5241	1311	1,243	11,61%	73544	1843	22
16	3188	3,5233	3174	1,005	0,03%	87002	3191	7
94	1388	3,5232	1316	1,591	18,04%	67293	2555	31
189	3158	3,5231	3423	1,233	16,17%	67065	5033	39
165	1965	3,5219	1558	1,661	29,46%	47378	3669	32
102	2715	3,5219	1880	1,444	1,13%	84578	2746	22
109	4395	3,5208	4462	1,727	15,32%	73784	9099	52
184	1952	3,5207	1916	1,474	16,79%	66822	3394	29
136	3125	3,5202	2949	1,157	6,57%	81300	3651	27
90	3078	3,5186	3501	1,431	16,60%	69112	6006	39
62	1647	3,5179	2225	1,297	9,70%	81302	3196	27
70	1684	3,5168	1448	1,244	5,06%	85651	1897	21
355	1799	3,5162	1619	1,337	22,60%	64866	2797	26
84	2383	3,5155	2375	1,355	10,56%	76750	3597	27
120	1764	3,5151	1427	1,350	3,36%	86039	1993	22
62	1091	3,5142	897	1,310	14,55%	78573	1375	20
400	1679	3,5138	1391	1,312	44,44%	35590	3285	26
76	1491	3,5130	1275	1,272	11,85%	80338	1840	21
236	2807	3,5118	3004	1,338	10,69%	73698	4499	33
277	2162	3,5111	1727	1,519	28,75%	57129	3683	32
36	1806	3,5107	1673	1,344	5,90%	88110	2389	17
92	1929	3,5097	2267	1,354	2,60%	89969	3151	27
60	1455	3,5094	983	1,480	5,83%	78696	1545	17

137	1476	3,5090	1181	1,564	28,44%	56626	2581	29
135	1497	3,5087	1257	1,383	33,75%	52285	2625	27
95	1720	3,5077	1395	1,529	17,29%	71572	2579	25
232	5401	3,5074	5495	1,460	18,66%	75648	9863	52
186	2067	3,5068	2746	1,267	13,02%	79760	4001	32
77	1820	3,5054	1806	1,819	20,95%	64371	4157	35
107	1439	3,5050	1005	1,432	15,60%	75439	1705	20
281	1404	3,5049	1117	1,312	28,35%	56430	2046	23
101	1562	3,5041	1976	1,233	26,23%	61110	3302	34
88	1834	3,5030	2017	1,283	12,90%	74319	2970	28
57	1520	3,5010	1238	1,341	8,49%	78418	1814	25
119	2875	3,5005	5692	1,086	11,63%	75542	6997	39
114	1770	3,5000	1501	1,392	24,31%	68408	2760	31
122	1603	3,4996	1049	1,694	23,47%	66136	2322	29
112	1372	3,4982	1644	1,389	33,85%	55417	3451	31
93	1514	3,4982	1049	1,889	6,55%	86589	2121	26
141	3200	3,4975	3817	1,206	7,06%	85346	4955	36
145	1452	3,4975	1369	1,364	21,59%	69461	2381	25
72	1549	3,4973	1087	1,455	0,69%	93052	1593	19
364	4441	3,4973	9449	1,170	12,44%	80039	12624	48
120	2377	3,4962	2762	1,175	13,28%	77531	3743	29
113	1640	3,4948	2031	1,315	10,64%	79553	2988	31
211	2257	3,4935	3190	1,133	19,12%	74104	4467	34
77	1367	3,4933	1599	1,304	8,71%	83954	2284	28
184	2482	3,4925	2644	1,295	15,67%	70262	4060	33
245	1680	3,4921	1432	1,364	9,46%	84433	2157	26
293	1720	3,4919	1469	1,400	18,34%	77144	2519	25
44	1331	3,4903	905	1,533	2,87%	92909	1428	17
58	1657	3,4899	1617	1,135	6,38%	89896	1960	24
52	1546	3,4884	1218	1,426	5,39%	84114	1836	22
48	1832	3,4870	1296	1,479	2,54%	88998	1967	14
108	1397	3,4865	1050	1,457	25,15%	60200	2044	23
162	2155	3,4862	2250	1,244	12,51%	84815	3198	30
96	1540	3,4861	1313	1,319	17,88%	79859	2109	23
69	1474	3,4843	1452	1,826	15,46%	78854	3137	34
582	9249	3,4835	9939	1,240	14,14%	79510	14354	55
129	1477	3,4828	1426	1,188	15,13%	82522	1996	24
195	3357	3,4820	2877	1,261	4,32%	93342	3793	25
124	1440	3,4819	1184	1,371	20,98%	75115	2054	25
50	1386	3,4801	1363	1,160	9,76%	86100	1752	21
117	1445	3,4783	1010	1,967	36,03%	55017	3106	28
69	2875	3,4778	3045	1,165	6,68%	89693	3801	31
26	2478	3,4764	2454	1,010	0,08%	97950	2480	9
153	1487	3,4761	1178	1,326	17,40%	78510	1891	21
116	2272	3,4759	2473	1,370	18,75%	77014	4170	34
110	2282	3,4753	2131	1,343	19,29%	72861	3546	29
128	1730	3,4750	1509	1,383	20,74%	74448	2633	27
79	1255	3,4741	1155	1,326	15,27%	77382	1807	23
59	1222	3,4726	1040	1,240	2,42%	93439	1322	16
129	1693	3,4725	1222	1,398	21,79%	72116	2184	26
73	2114	3,4719	1538	1,395	6,78%	89497	2302	25

93	2302	3,4704	4005	1,475	11,50%	84128	6677	36
163	4818	3,4702	5935	1,233	10,85%	88965	8210	48
73	1230	3,4702	1147	1,282	8,01%	88374	1598	23
147	1498	3,4659	1227	1,286	17,03%	75293	1902	23
213	1650	3,4616	1459	1,347	12,00%	86852	2233	25
137	1267	3,4592	1177	1,319	15,10%	77722	1828	25
116	3768	3,4588	3273	1,411	10,10%	93892	5138	37
84	1354	3,4571	1666	1,406	10,61%	86036	2620	26
216	2406	3,4520	2932	1,479	20,66%	77926	5465	41
100	1876	3,4512	1024	2,244	24,83%	70704	3057	33
74	1811	3,4510	1397	1,304	7,14%	94567	1962	25
95	1426	3,4500	1085	1,429	10,51%	91310	1732	22
96	1356	3,4483	1177	1,496	21,98%	78011	2257	26
149	2043	3,4483	3365	1,267	7,42%	99777	4607	38
75	1173	3,4475	1030	1,653	14,76%	88238	1998	23
42	3745	3,4465	3968	1,074	5,20%	98324	4497	23
475	1252	3,4464	778	1,806	49,79%	42970	2798	24
83	1525	3,4463	1593	1,185	4,84%	103269	1983	20
57	1451	3,4460	1103	1,373	10,63%	93786	1694	23
41	1402	3,4443	1240	1,131	0,64%	101491	1411	13
110	1652	3,4437	1553	1,360	19,63%	81611	2628	27
93	2332	3,4423	2892	1,141	15,55%	84220	3909	25
59	1185	3,4412	1096	1,141	8,49%	98134	1366	17
173	1354	3,4411	899	1,558	27,07%	72297	1921	21
184	1966	3,4396	2428	1,252	18,28%	78528	3720	26
93	1581	3,4350	1334	1,220	11,95%	91386	1849	22
125	2558	3,4348	2049	1,492	16,45%	92852	3660	35
112	1513	3,4317	1285	1,361	14,68%	88602	2050	22
57	1312	3,4316	1050	1,288	10,76%	93173	1515	22
97	1380	3,4314	1339	1,278	18,60%	86275	2102	24
82	1987	3,4312	1994	1,565	15,24%	93404	3682	35
106	2580	3,4312	2034	1,403	4,74%	101697	2995	26
195	2008	3,4308	1629	1,493	24,50%	78301	3221	29
131	1763	3,4307	934	2,248	24,38%	81209	2777	29
79	1373	3,4306	1705	1,195	10,66%	93776	2280	27
518	2987	3,4300	3406	1,284	28,74%	74047	6135	41
137	1863	3,4285	1573	1,221	6,79%	106119	2061	21
152	3397	3,4281	6735	1,323	15,02%	93858	10485	55
197	2599	3,4277	5602	1,214	16,75%	77506	8171	43
151	2497	3,4271	2688	1,276	16,81%	87405	4123	39
169	1150	3,4269	631	1,826	38,82%	52659	1883	23
76	1013	3,4266	906	1,389	23,06%	82114	1635	23
284	1871	3,4246	1961	1,188	36,07%	62926	3643	28
69	1243	3,4244	905	1,572	16,83%	86999	1711	20
170	3409	3,4228	4913	1,242	11,38%	91461	6887	46
113	1756	3,4227	4240	1,193	15,82%	85499	6010	34
90	1112	3,4225	649	1,744	27,25%	66634	1556	22
28	1451	3,4219	1026	1,744	4,48%	104965	1873	19
164	2091	3,4208	1660	1,425	19,52%	92328	2940	31
212	2159	3,4193	3865	1,156	19,07%	86265	5522	38
173	2030	3,4167	1637	1,360	12,33%	102388	2539	28

59	1580	3,4167	3169	1,175	3,10%	107766	3842	26
175	1983	3,4158	1564	1,682	24,03%	78275	3462	30
132	1486	3,4155	2515	1,039	9,71%	106225	2893	26
147	1282	3,4146	751	1,736	54,02%	30597	2836	35
80	1099	3,4143	1117	1,151	5,02%	108857	1354	17
106	1460	3,4136	1225	1,380	17,60%	95096	2051	27
101	1001	3,4135	759	1,449	8,94%	107283	1208	17
119	1908	3,4129	1494	1,344	0,69%	114665	2022	23
38	2279	3,4125	2093	1,089	3,14%	111146	2353	17
55	2520	3,4123	2010	1,254	6,67%	102737	2700	24
324	4443	3,4111	4245	1,265	14,48%	97989	6278	42
70	1367	3,4106	1361	1,250	13,13%	96883	1958	25
233	3574	3,4105	3144	1,247	12,06%	99907	4460	29
80	1015	3,4102	728	1,394	9,13%	100135	1117	19
212	1604	3,4078	1110	1,675	43,90%	51863	3314	30
15	3348	3,4067	3346	1,001	0,00%	115610	3348	5
124	2244	3,4045	3306	1,271	20,75%	79376	5302	37
146	1315	3,4041	1311	1,693	31,06%	78095	3220	33
130	1169	3,4031	1074	1,321	3,86%	115282	1476	20
52	2052	3,4020	1803	1,669	13,95%	100995	3497	30
72	1396	3,4005	2205	1,320	14,08%	94876	3388	31
120	1558	3,4004	1297	1,379	21,61%	90127	2281	25
118	2701	3,3992	3382	1,257	14,33%	98239	4962	34
120	1016	3,3975	882	1,454	5,39%	115085	1355	19
133	1856	3,3971	1645	1,234	8,35%	110556	2215	23
66	1653	3,3970	1485	1,221	13,34%	98523	2092	20
48	1683	3,3957	1307	1,301	0,47%	119269	1708	17
67	4694	3,3943	4583	1,269	5,71%	110288	6168	32
356	2708	3,3939	3038	1,269	23,35%	80897	5028	34
53	1699	3,3928	1370	1,550	14,53%	98517	2484	22
78	1489	3,3922	1492	1,370	28,51%	86678	2859	30
111	935	3,3910	701	1,402	20,40%	98605	1235	18
95	1944	3,3904	1049	1,861	22,08%	90151	2505	26
262	3108	3,3899	4247	1,247	20,87%	95428	6695	42
110	1595	3,3898	1403	1,484	21,64%	80966	2657	31
106	1348	3,3892	1403	1,222	16,18%	90855	2046	22
96	2212	3,3888	2622	1,347	21,25%	81576	4485	36
88	1321	3,3863	1084	1,580	23,39%	88251	2236	27
82	1431	3,3830	1283	1,534	20,84%	90999	2486	22
77	1286	3,3819	1210	1,539	18,73%	96754	2291	24
138	1070	3,3785	1006	1,251	29,94%	78403	1797	23
114	1459	3,3737	1339	1,392	23,04%	91546	2422	28
96	1121	3,3727	801	1,610	37,62%	63797	2068	27
72	1513	3,3725	1076	1,505	24,98%	89712	2158	24
162	1412	3,3707	1484	1,315	30,90%	74658	2825	30
158	1433	3,3670	991	1,482	18,16%	97123	1795	25
77	1063	3,3664	913	1,421	21,73%	98374	1657	21
137	1388	3,3658	1237	1,340	24,37%	90740	2191	27
60	1121	3,3655	868	1,329	19,75%	95490	1438	20
102	1376	3,3646	1198	1,442	21,50%	98878	2200	25
86	1885	3,3640	1554	2,141	29,65%	80623	4729	33

165	1509	3,3633	1099	1,600	26,17%	92794	2381	25
193	1118	3,3606	1711	1,368	29,47%	89876	3319	32
583	5512	3,3569	5333	1,410	21,32%	97588	9557	48
59	1215	3,3567	9690	1,078	4,18%	98442	10900	25
212	1697	3,3383	2005	1,259	27,98%	79946	3506	31
164	1245	3,3375	970	1,358	24,79%	93591	1751	24
118	1510	3,3373	1153	1,428	18,38%	95806	2018	25
111	900	3,3356	562	1,799	23,29%	94579	1318	20
220	2846	3,3353	4206	1,259	21,29%	91917	6726	41
159	1450	3,3318	1013	1,589	30,09%	92613	2303	23
105	2650	3,3295	1469	2,542	46,22%	60064	6943	50
49	767	3,3266	408	2,007	39,11%	67462	1345	24
228	1378	3,3264	836	2,596	58,14%	43332	5184	42
335	1973	3,3255	1863	1,394	28,46%	97789	3630	30
206	2552	3,3244	1934	1,569	33,77%	73903	4581	38
139	955	3,3241	730	1,351	36,14%	74805	1544	23
199	3615	3,3229	3925	1,499	23,21%	90972	7664	49
107	1089	3,3194	622	1,916	51,23%	44558	2444	34
145	1143	3,3149	846	1,533	29,74%	91351	1846	25
79	900	3,3148	677	1,439	42,13%	66711	1683	23
198	832	3,3036	584	1,454	34,69%	86278	1300	19
143	930	3,2999	684	1,516	26,03%	95934	1402	19
143	1507	3,2954	1281	1,662	40,05%	79272	3551	37
111	919	3,2908	1143	1,238	27,95%	99493	1964	25
84	706	3,2851	449	1,604	46,71%	64461	1351	23
250	1566	3,2820	1757	1,284	35,34%	98599	3489	27
113	856	3,2740	703	1,336	50,68%	57637	1904	25
52	809	3,2731	624	1,478	32,95%	99126	1375	23
121	1134	3,2731	1100	1,815	37,39%	96235	3188	29
145	1039	3,2693	833	1,401	35,31%	98589	1804	23
151	1338	3,2693	1137	1,310	41,72%	75821	2555	25
125	1157	3,2667	1222	1,254	28,34%	97856	2138	25
151	1239	3,2515	1001	1,334	43,41%	74743	2359	27
182	1214	3,2479	706	1,720	52,82%	68206	2573	28
184	912	3,2372	888	1,414	34,10%	97926	1906	24
93	887	3,2190	682	1,723	50,19%	70260	2359	25
180	1203	3,2189	841	1,562	40,30%	98113	2201	22
178	858	3,2127	854	1,302	41,84%	96783	1912	22
114	980	3,2093	1169	1,299	36,25%	99193	2381	28
139	760	3,2067	777	1,309	39,75%	99600	1688	21
133	1831	3,2044	1604	1,509	44,02%	93654	4325	40
174	2215	3,1826	1381	1,915	39,74%	96651	4388	40
95	738	3,1637	558	1,425	47,80%	84980	1523	23
115	901	3,1635	944	1,203	36,85%	88623	1799	25
535	2672	3,1238	2710	1,789	56,00%	83488	11017	44
116	439	2,9887	291	1,519	58,42%	97597	1063	18
104	370	2,9081	309	1,249	57,91%	94199	917	21
121	440	2,8604	322	1,516	69,86%	78381	1619	23
236	397	2,6364	196	2,031	76,70%	81341	1708	22

hm17	nps	ncs	npsf	ncsf	npsfl	ncsfl	c	npciting
59,7282	23	2793	46	6982	244	30963	4,8583	25096
47,9333	39	5685	71	13455	181	25219	4,8237	18899
50,85	68	6552	158	10887	591	22841	4,8120	12951
63,3857	148	2965	369	11715	817	27714	4,8713	18422
52,75	139	7887	260	12256	524	19106	4,7938	9596
25,6804	18	16446	51	20676	198	24125	4,7006	21780
44,4611	31	3420	69	5396	231	18240	4,6345	13419
26,8931	26	11861	57	13393	110	16048	4,6067	14428
46,6629	15	1079	40	4660	244	19088	4,6060	16241
37,1161	26	1292	59	3303	248	17776	4,5550	21946
45,85	11	562	62	8056	240	18303	4,5543	14571
42,0833	101	5303	161	10417	254	13883	4,6040	7869
41,7001	25	886	60	6741	367	17959	4,5321	14206
37	53	2530	126	8294	186	11144	4,4586	7568
30,04	34	1057	76	12471	182	18324	4,4510	14565
28,3333	37	4369	51	10301	60	10832	4,3900	8752
32,3333	62	5947	74	7832	118	8521	4,3844	5156
37,254	68	3199	139	6362	339	10032	4,4458	6026
39,8	13	665	38	4036	273	14187	4,4078	11343
41,5	103	3491	189	5738	232	7871	4,4123	3555
39,6667	44	1427	156	5318	428	11048	4,4135	6208
33,9119	18	1167	40	2828	186	8178	4,2795	8172
32,9838	19	190	488	6052	898	11231	4,3465	31448
24,8333	26	4299	67	6090	103	7051	4,2652	5265
21,3333	37	6760	52	7865	58	7967	4,2312	6651
30,0269	34	1767	79	2522	275	7022	4,1982	5823
32,069	57	1882	85	2923	168	5674	4,2085	5243
31,3333	42	2424	56	2787	168	7870	4,2295	5915
34,8901	28	1077	72	2380	323	8697	4,2949	8165
31,5193	24	804	104	4523	306	7710	4,2102	5934
33,8778	13	1176	23	1646	265	8901	4,2175	5514
30,4167	96	2872	136	4218	173	5456	4,2216	4433
40,3333	16	1026	166	9725	173	9966	4,4484	2187
32,9242	29	1096	84	1944	447	8601	4,1886	7064
35,9595	12	319	53	3055	251	10082	4,2077	7584
32,5	61	1438	165	5248	223	7423	4,2360	3898
31,9167	16	1101	43	2531	127	7192	4,1714	5090
34,9095	5	755	38	3012	272	8379	4,2455	3832
12,5857	3	3392	11	5001	44	10592	4,1260	8310
39,3952	34	1109	55	1823	275	7240	4,2535	5721
32,8	69	861	180	2540	313	4910	4,1693	5787
26,985	71	1179	147	2831	305	7223	4,1678	4442
30,9369	21	207	231	4505	400	6507	4,2010	20200
22,646	37	1463	80	4240	122	5890	4,1472	5719
34,8762	36	1032	62	2139	266	7220	4,2089	4152
27,7521	57	332	406	6074	655	7872	4,2151	13725
30,4833	38	812	61	1470	238	7603	4,1225	7450
39,2	36	404	181	3756	429	9586	4,2482	6514

28,8512	15	528	87	3525	225	7472	4,1245	5932
33,1444	42	1289	68	1660	300	6459	4,1590	4261
29,5	16	752	86	2585	194	6392	4,0922	4077
31	104	1306	185	3603	354	6694	4,1779	3434
30,9167	42	2425	51	2805	101	3452	4,1361	2720
32,7187	35	864	56	1340	254	6425	4,0979	5220
28,8317	12	682	45	2175	132	5738	4,1066	6719
38,1167	9	588	28	1463	208	9817	4,1951	5502
44,8333	2	342	73	2358	406	11376	4,3159	5783
30,7429	21	230	95	2846	374	9344	4,1393	9573
25,9167	70	673	161	3352	257	5649	4,0563	3974
22,7	43	1645	67	3365	96	5796	4,0702	5150
23,9833	31	2095	59	2806	126	5147	4,0776	3962
21	76	1403	103	1471	231	12870	4,0477	11572
33,6619	1	103	15	1803	134	9377	4,0680	8954
27,0667	91	2122	220	4726	270	5581	4,1460	3613
33,6608	12	197	36	1419	318	8254	4,0932	10181
23,8429	26	1411	75	3707	152	5611	4,0880	4378
27,5202	17	412	100	3323	220	6416	4,0572	4860
31,1679	19	904	53	1924	239	5660	4,1142	5718
24,5	8	509	41	2157	118	6644	4,0356	5426
24,75	312	2992	357	3462	425	4417	4,0654	3239
28,5167	26	913	70	2606	129	4817	4,0626	3556
15,7	17	4281	31	4491	104	5338	4,0223	5180
37,7939	5	21	57	2714	199	7374	4,1270	18128
28,0833	26	259	248	4772	312	5905	4,0457	5640
24,4667	28	1399	56	3292	115	4845	4,0519	3478
27,6196	19	372	54	2157	192	7219	4,0351	4277
46,175	4	36	720	14909	970	18580	4,3779	8030
28,7833	50	994	86	1963	242	5290	4,0379	4279
30,4167	51	1061	155	3019	318	4996	4,1098	3766
34,0829	34	1240	328	6054	450	6957	4,2645	3872
43,8543	25	37	121	1135	943	18105	4,1110	9208
31,2167	24	1447	77	2983	207	4722	4,1331	3651
26,187	20	891	48	2525	145	4927	4,0225	3975
26,4167	30	1161	81	2435	150	4042	4,0000	2812
30,3762	29	519	50	1552	175	7492	4,0534	4963
25,7	64	1973	91	2668	164	3874	4,0250	3312
28,675	16	302	57	1054	270	7424	3,9704	6462
37,1554	6	127	37	953	354	8517	4,0389	7358
28,6968	21	522	60	1314	247	5987	4,0083	5172
29,6512	47	1270	88	2629	173	4507	4,0927	3061
26,3037	29	135	439	4839	604	5958	4,0518	10740
29,6167	33	1176	40	1221	216	5807	4,0513	3732
24,8528	42	659	85	3612	161	5190	4,0195	4305
25,2833	32	1050	68	2753	137	4729	4,0110	2778
23,9833	37	2288	50	2420	85	3362	3,9710	2250
30,6167	80	764	127	1531	229	5354	4,0136	2659
27,5421	22	543	63	1103	419	6398	3,9853	5078
32,9778	12	23	273	4568	468	7827	3,9398	7191
24,9545	28	146	161	2896	246	3657	3,9871	11168

27,85	87	631	179	1337	547	5752	4,0157	5624
16,1667	7	1460	37	4761	49	5069	3,9368	4509
29,7746	32	89	198	2112	420	6871	3,9787	8421
24,3619	15	249	119	3628	206	5189	3,9526	3744
30,8667	40	1160	79	2687	126	3087	4,0119	1661
13	34	3649	40	5265	41	5265	3,8946	3537
16,8262	6	1395	7	1615	56	4690	3,9175	5107
33,25	7	155	56	1476	169	7037	3,9822	4071
24,7	20	1406	21	1422	164	4927	3,9897	3000
24,8306	29	341	217	1980	383	3834	3,9663	7907
22,65	46	1399	75	2552	103	3343	3,9266	2534
28,5833	32	1369	63	1983	111	3657	4,0033	1646
28,6762	84	1119	432	4555	639	6092	4,1426	3941
16,7333	14	1131	35	2899	65	4426	3,8943	4240
27,6667	91	1028	151	2057	316	4832	4,0128	3036
23,8333	87	1592	142	2748	215	3889	3,9740	2691
18,6667	34	1434	73	2672	116	3751	3,8811	2986
24,6833	51	539	147	1614	377	4324	3,9060	3860
16,8317	19	996	36	1382	87	3970	3,8773	3018
24,9679	23	1185	42	1641	138	4342	3,9577	2796
22,7965	4	174	40	4081	161	6514	3,9864	4257
23,967	22	859	45	1285	152	4327	3,9208	3375
28,6547	17	254	36	871	192	5365	3,9258	5194
19,8333	34	2509	58	3104	82	3363	3,8985	2716
19,8333	27	1664	42	1769	116	3665	3,8663	2286
27,1667	56	1231	133	3039	260	4305	4,0225	2297
27,5974	17	117	100	2673	295	5118	3,9616	6894
24,2262	23	596	67	991	245	4118	3,8670	3437
25,7833	27	543	84	1258	232	5701	3,9443	3704
25,8121	9	58	244	3093	437	5239	3,9201	10318
24,8333	15	1219	29	2551	124	4492	4,0024	2227
26,8845	4	113	17	1034	230	7598	3,8685	5850
25,6167	33	1450	74	2007	206	3684	3,9670	2292
26,5	119	2074	133	2420	136	2445	3,9048	1277
23,8429	21	605	44	1719	82	2730	3,8836	3595
25,0933	32	484	48	605	166	4869	3,8599	4912
23,7167	27	839	67	1171	140	2955	3,8573	3682
22,928	23	81	326	3382	455	3978	3,9038	13232
18,1667	6	645	34	2361	78	3660	3,8403	3657
30,9429	13	660	40	1283	279	4957	4,0068	3517
26,8548	17	288	97	2889	287	4971	3,9657	3672
25,636	24	316	47	1043	147	4808	3,8590	3853
19,0833	36	1236	55	2103	71	2822	3,8309	2515
26,5749	9	43	76	2926	219	8505	3,9204	6299
26,8333	6	268	28	648	163	4422	3,8291	3524
21,2833	20	874	36	1689	68	3095	3,8226	2604
19,75	8	356	38	1445	89	5380	3,8129	5225
12,7333	9	2202	34	2885	62	3614	3,8126	3595
24,7167	11	100	77	2556	263	6288	3,8793	4429
21,8333	16	827	76	1610	212	4166	3,8569	3377
24,904	6	140	47	1878	194	6098	3,8682	4206

24,1667	24	646	120	2910	155	3500	3,8902	1952
19,8333	76	1400	106	2937	114	3001	3,8348	2601
21	10	541	20	725	83	3269	3,8124	5718
31,2833	12	112	47	927	235	5521	3,8739	4146
23,944	40	441	122	1186	271	3216	3,8777	5231
20,95	32	866	48	1570	98	3222	3,8126	2564
23,8762	4	288	33	1786	100	3348	3,8493	4020
16,6833	23	1860	34	2216	77	2687	3,8114	2582
23,5028	13	349	32	735	213	5045	3,8587	4883
23,8333	82	1483	110	2055	141	2496	3,8522	1660
22,2167	8	171	42	2333	243	5353	3,8455	3003
22,5333	18	301	96	2224	180	3860	3,8529	3262
20,6167	13	451	46	1867	124	3359	3,7923	2232
26,0929	12	267	68	2062	150	3725	3,8873	3739
23,8286	8	350	37	1726	120	3857	3,8499	2734
30,8702	7	73	36	743	379	9207	3,8719	5801
20,0833	10	241	45	2401	84	3141	3,7981	3533
17,6667	42	1168	51	1292	141	3292	3,7689	2874
18,75	13	277	49	3924	68	4447	3,8178	3740
19,5927	5	40	28	3922	175	7501	3,8192	6721
24,4	64	818	98	1348	223	2931	3,8541	2635
23,15	24	860	46	1071	145	3084	3,8080	2783
22,2833	4	345	45	1864	90	3503	3,8537	1869
20,0833	6	493	36	1616	74	2869	3,7791	2024
18,7167	9	328	76	2371	141	3383	3,7871	3170
25,95	7	170	39	2032	139	3878	3,8454	4040
18,3333	38	1288	63	2289	94	2623	3,7875	1879
22,1167	15	266	53	1393	122	2757	3,7893	3213
26,5833	5	193	35	1114	165	4235	3,8639	3893
26,85	5	153	45	2136	127	3762	3,8707	3580
24,8833	3	153	31	1101	317	5594	3,8529	4537
23,8333	8	380	68	2685	136	3058	3,8944	2387
24,9357	16	226	81	1607	182	2984	3,8237	2803
23,5833	57	1037	105	1724	201	3497	3,8804	2486
22,85	15	529	52	1278	125	2809	3,7861	2701
24	14	275	31	560	220	3399	3,7892	4546
19,4167	25	352	68	1488	130	3310	3,7286	3058
31,5762	7	16	77	1602	180	5377	3,7862	5134
17,6929	24	1088	47	1594	98	2472	3,7536	2077
19,9	12	446	56	1230	191	3133	3,7212	2285
19,7333	21	687	60	1235	159	2974	3,7485	2325
19,5444	55	1403	86	1901	116	2213	3,7893	1672
19,9683	75	725	132	1344	169	2024	3,7532	2723
16,6667	7	85	84	4995	88	5038	3,7139	3383
25,1	12	391	56	1436	166	3400	3,8378	2825
21,65	7	335	34	1428	124	3815	3,7852	3240
21,25	13	714	60	2066	124	3590	3,8633	2309
23,6179	38	854	73	2287	78	2360	3,8360	1868
10,1667	12	2151	28	3632	43	3717	3,7144	2974
18,8333	44	920	81	1780	120	2538	3,7456	1914
22,5333	33	158	119	1144	251	4401	3,7604	4164

20,5	62	1500	75	1620	78	1873	3,7026	1096
18,1833	17	700	38	1867	53	2977	3,7528	2177
22,95	20	461	31	834	137	3179	3,7617	2834
13,2667	21	926	35	2387	55	3020	3,7412	1027
25,8762	66	1688	132	2638	199	3339	3,9681	1704
18,8167	16	254	44	2138	104	3625	3,7250	3448
19,9752	8	194	32	3097	120	4282	3,8173	4208
27,8262	9	13	78	1769	300	7055	3,7942	5729
24,6607	15	92	88	849	323	4093	3,7441	5163
20,9167	27	462	40	2006	73	2871	3,7555	2288
20,981	12	104	164	2480	244	3107	3,7659	5584
27,6833	7	50	32	979	189	5289	3,7693	4249
19,9921	75	689	223	2361	245	2496	3,7860	2161
23,6214	11	237	24	821	123	2744	3,7579	2995
21,7167	28	902	29	1010	131	2343	3,7407	1323
18,3429	15	793	20	868	61	2753	3,7118	2211
19,75	20	900	34	1182	101	2354	3,7059	1890
20,0111	6	379	27	1422	63	2403	3,7382	2824
22,875	37	163	116	1367	256	4102	3,7742	3230
19,9375	11	329	36	1428	133	3092	3,7366	2639
19,65	10	345	70	2156	178	3484	3,7881	2230
25,1833	15	59	91	1559	258	4279	3,7450	4367
25,5052	2	24	60	2106	170	4276	3,7351	4746
18,1262	12	544	30	1295	111	2620	3,7090	1785
20,15	25	649	64	1791	92	2496	3,7529	1853
26,0488	5	96	38	1111	167	4100	3,8015	3644
23,6667	49	705	60	951	205	3075	3,7884	1906
20	10	317	57	1972	105	3104	3,7571	2341
17,9417	4	43	48	4861	187	5939	3,7194	4793
13,5095	7	473	48	3080	71	3314	3,6909	2542
22,975	23	411	39	709	159	2646	3,7393	3149
19,7075	4	227	24	1054	88	3015	3,7320	4102
17,45	4	78	63	2483	93	3685	3,6961	2416
19,6167	24	611	78	1553	117	2914	3,7366	2087
22,7833	19	417	63	1175	129	2310	3,7364	1912
22,6762	13	406	36	854	133	2577	3,7069	2283
25,0333	16	299	88	1759	275	3773	3,8382	2141
21,8333	5	94	94	2768	180	4329	3,8202	2671
21,3458	24	264	85	1642	243	2912	3,7433	2964
20,2833	49	1126	64	1316	82	1639	3,6772	1544
23,8167	16	282	40	828	109	2609	3,7035	1711
21,067	6	242	54	1379	147	2295	3,7719	3835
14,0667	5	1117	26	1463	107	2417	3,6560	1999
16,65	11	604	34	892	89	3044	3,6605	2370
19,3333	35	1076	47	1382	70	2080	3,6806	1710
18,75	29	1028	64	1681	98	1735	3,7060	1774
12,1935	38	2175	47	2239	63	2377	3,6690	2520
26,0526	11	114	28	513	182	4305	3,7126	4218
11,6833	8	153	48	3367	115	4528	3,6595	3659
18,8317	70	695	141	1812	183	2164	3,7184	2229
22,45	13	340	67	905	206	3339	3,7197	2463

15,7333	35	990	49	1687	80	1931	3,6826	2103
22,75	19	303	46	573	211	3186	3,7100	3136
20,6667	17	611	53	1660	62	1692	3,6555	1416
24,7611	4	65	29	1177	89	2423	3,6801	3721
23,9444	58	484	91	780	304	3189	3,7625	2397
17	179	628	497	2305	591	2697	3,6729	1944
28,8997	3	6	46	2940	242	7377	3,7578	4720
22,7833	1	90	223	4038	284	4697	3,8184	2309
16,6679	53	631	91	1871	97	2796	3,7011	2546
15,3317	6	487	32	1491	71	2669	3,6647	2113
19,95	10	383	17	804	180	3385	3,6714	2265
26,225	39	824	134	3015	167	3504	3,9585	1554
15,5	4	295	49	1639	96	3385	3,6445	3107
26,9449	33	587	79	1494	230	3226	3,9259	4704
16,9	19	705	31	1132	69	2264	3,6786	2101
37,269	0	0	29	649	576	12235	3,6938	14186
17,9347	7	274	60	1269	157	2816	3,6898	3180
18,7576	42	736	72	1267	127	2102	3,6832	1826
18,5	24	362	78	2026	121	2587	3,6862	1793
10,7024	8	1444	11	1453	36	2564	3,6458	2915
22,85	39	497	153	1656	227	2627	3,7482	1370
21,1279	35	273	66	660	193	2877	3,6748	2717
10,6667	43	2670	52	2745	52	2745	3,6147	2592
25,9147	4	120	37	819	233	3854	3,7718	4983
19	78	1710	78	1710	78	1710	3,6702	1336
20,9762	6	84	85	2041	160	3721	3,7228	2546
28,7	22	56	127	2245	278	4405	3,7860	2826
19,0333	21	576	50	1135	135	2118	3,6670	1764
21,6429	33	493	92	1521	148	2549	3,7287	1605
30,1667	14	76	27	139	205	5651	3,6720	3710
12,0405	12	679	33	1399	48	3565	3,6559	3142
11,6667	16	1519	30	2275	43	2477	3,6195	2128
19,8333	14	128	137	2411	224	3132	3,6746	2170
16,994	10	455	12	475	61	3801	3,6334	2648
15	11	542	31	1394	59	2247	3,5985	1726
24,5417	55	728	125	2020	149	2361	3,8441	1313
22,7357	11	372	27	564	190	3273	3,7098	2705
18,8667	22	375	38	910	195	2855	3,6622	2122
21,7833	7	317	31	1262	103	3197	3,7583	1334
18,7917	32	408	91	1269	127	2254	3,6457	2436
13,2024	10	933	24	1298	117	2505	3,6109	2491
14,3333	78	1747	94	1818	103	1857	3,5931	1427
16,1667	26	1040	53	1761	86	2107	3,6548	1311
18,7611	10	408	16	855	129	2744	3,6626	2630
19,3333	45	477	133	1355	225	2192	3,6649	1309
14,8504	16	1036	34	1191	89	2174	3,6603	2498
19,8167	24	532	93	1380	155	2408	3,7030	1118
21,5	44	741	67	1447	99	2029	3,7015	1210
18,9279	6	10	80	2529	110	3927	3,6476	7259
19,9404	6	323	24	1243	77	1872	3,7049	3084
12,1667	23	635	35	1942	48	2624	3,5935	2877

26,3667	14	152	49	649	285	4005	3,7088	2799
27,8167	3	42	157	3251	259	4373	3,8088	2442
20	96	980	137	1538	143	1605	3,6402	961
21,0833	17	192	36	623	99	2712	3,6141	2323
20,1492	11	95	63	1484	113	2471	3,6441	3091
15,9167	13	584	33	1091	56	2081	3,6287	1845
26,1667	68	982	97	1578	199	2837	3,8531	1033
9,1131	10	1654	23	2145	48	2624	3,5977	2511
20,4167	15	220	51	801	170	3089	3,6199	2018
23,4833	36	457	139	2164	197	3378	3,8367	1494
16,8333	29	371	49	1227	87	2646	3,6154	1834
21,7762	27	187	63	810	119	2030	3,6147	2371
18,8333	56	475	151	1661	210	1993	3,6256	1720
19,4167	28	504	125	1434	220	2613	3,6813	1833
21,2633	7	145	44	1220	127	2368	3,6762	3751
17,5	70	1026	85	1197	119	1491	3,5684	1204
20,4857	21	274	55	937	153	2278	3,6283	2200
18,7	8	287	41	1168	120	2288	3,6357	2062
29,6444	12	38	213	3464	316	5545	3,8409	3403
23,0429	15	185	47	730	131	2692	3,6324	2428
18,5869	43	567	125	2070	161	2827	3,7849	1711
20,0333	15	399	60	1376	132	2323	3,7002	1944
15,85	4	558	38	1410	71	1751	3,6563	2573
15,8333	7	637	39	1802	43	2041	3,6189	947
16,5833	19	552	31	1123	75	2087	3,5971	1676
19,9833	5	135	36	1939	101	3041	3,6809	1948
21,5667	11	118	54	1425	238	3425	3,6879	2865
18,5333	38	479	91	1128	127	1789	3,6008	1607
19,9167	8	175	85	1402	263	2630	3,6890	3098
12,5	52	1452	70	1694	76	1835	3,5566	1813
22,2667	8	92	32	1379	148	2963	3,6806	2773
24,504	1	0	68	3094	138	3648	3,5601	12180
18,8333	14	186	43	546	143	3814	3,5741	2535
21,498	10	115	25	454	168	3932	3,6411	3672
17,5333	37	399	148	1203	217	1994	3,5696	1377
16,5833	15	276	74	739	123	2333	3,6236	3186
20,625	11	300	62	826	145	2074	3,6368	2768
19,7679	19	243	60	860	187	3149	3,6484	2885
19,3576	9	200	54	702	131	2030	3,5868	2673
17,7667	78	148	169	915	319	2773	3,5623	2136
14,0833	17	947	36	1081	91	1602	3,5712	1589
19,5333	4	203	22	980	52	1957	3,6445	2577
19,594	11	193	39	792	89	2294	3,6324	2712
16,9364	6	324	47	1308	96	2159	3,6336	2663
20,2333	36	282	81	1118	126	2070	3,6183	1631
16,6667	7	266	35	980	80	2342	3,5674	1838
18,825	20	347	82	1459	119	1923	3,6399	1692
11,5667	30	392	56	1864	159	2916	3,5507	2531
19,7595	9	556	40	825	122	1892	3,6308	1805
19,8607	3	18	12	573	71	2840	3,5957	7680
20,0833	2	63	63	2136	123	3268	3,6503	1351

24,7766	42	638	77	1278	237	2654	3,8337	2497
19,5667	1	167	38	1331	79	2285	3,6230	1821
15,25	21	580	83	1469	96	1570	3,5359	1193
22,6	5	133	26	698	203	3351	3,6568	2675
19,9833	42	537	60	1102	113	1911	3,6334	1182
14,6595	27	571	61	961	155	2214	3,5786	1697
15,75	34	441	56	839	91	2261	3,5468	2026
11,75	24	1378	38	1643	55	1947	3,5321	1834
22,6333	3	46	14	621	144	4191	3,5838	3388
11,569	4	627	42	1627	83	2386	3,5969	1853
17,9167	16	425	35	588	103	2222	3,5719	2115
18,3167	77	1058	99	1170	123	1357	3,5906	894
13,0302	2	159	37	2072	54	2433	3,5497	1921
19,9	18	255	75	1406	137	2778	3,6641	1851
18,5	42	505	73	685	151	2881	3,6210	2167
19,2833	13	620	17	734	89	2075	3,6386	1371
22,844	7	84	34	659	217	4035	3,6698	3465
18,6742	24	545	47	1405	52	1545	3,5958	944
16,7345	10	119	54	1174	92	2438	3,5483	3275
15,9333	6	172	18	441	85	3089	3,5495	3946
18,8	21	324	53	1006	82	2019	3,6385	2351
14,55	26	240	70	1744	113	2432	3,5622	1804
19,75	23	649	60	1260	72	1304	3,6084	1165
20,8524	21	365	87	1251	112	1520	3,6169	1379
20,4	15	256	101	1393	157	2314	3,6415	1955
17,9167	11	141	37	554	184	2945	3,5243	2407
20	6	275	78	2008	84	2427	3,6593	1044
18,0833	27	1053	38	1173	44	1226	3,5342	995
17,0357	53	840	68	1115	85	1510	3,5735	1402
7	11	3143	14	3149	16	3189	3,5085	3175
19,7762	12	300	54	1052	94	1647	3,6065	1514
21,5798	5	41	35	895	189	3728	3,6079	3740
21,5	13	219	77	1957	165	2907	3,7312	1778
15,1667	10	498	13	498	102	2746	3,5200	1893
25,6126	0	0	37	3761	109	5056	3,5722	4858
20,8095	16	147	99	1185	184	2406	3,6093	2107
15,6167	12	119	38	947	136	3348	3,5349	3067
16,95	3	28	34	1786	90	3602	3,5965	3871
13,3014	8	349	21	997	62	1793	3,5349	2339
14,6667	15	671	24	920	70	1759	3,5149	1499
18,9	77	353	184	1112	355	2332	3,6205	1941
13,2333	2	168	25	1658	84	2662	3,5573	2495
14,5	23	399	87	1311	120	1813	3,5131	1472
18,0833	46	948	53	1217	62	1266	3,5482	980
20,8766	171	1096	297	2106	400	3058	3,8256	1687
13,1167	9	873	33	1327	76	1687	3,5396	1366
21,8667	55	172	63	252	236	3207	3,5726	3191
18,7762	27	149	196	1862	277	2857	3,6658	2001
9,2468	11	1291	21	1471	36	1844	3,5037	1771
17,825	19	178	33	561	92	1970	3,4957	2312
14,8333	39	1231	59	1543	60	1545	3,5475	996

21,6619	17	390	59	1268	137	2023	3,6690	1418
18,7417	19	591	85	1747	135	2190	3,6966	1479
17,8095	14	389	43	1003	95	2050	3,5837	1485
30,8095	2	0	63	1468	232	6813	3,5629	6162
18,7667	21	96	41	758	186	2305	3,5422	3013
19,9667	6	90	32	1426	77	2350	3,6232	2004
16,25	65	896	84	1221	107	1704	3,5640	1060
18,2854	125	816	267	1944	281	1966	3,6703	1333
18,9345	5	314	26	863	101	2090	3,6419	2308
18,6595	18	157	55	1269	88	2089	3,5695	2185
18,5	21	326	46	1238	57	1670	3,5489	1290
17,359	2	15	91	2039	119	3159	3,5634	6259
20,95	17	109	74	1592	114	2260	3,6004	1685
17,5333	14	236	110	1955	122	2075	3,6134	1182
17,9885	13	410	48	1325	112	2081	3,6765	1951
14,3333	6	437	25	889	93	1607	3,5105	1090
18,7888	8	56	27	405	141	3434	3,5164	4002
16,625	30	567	68	1101	145	1860	3,5948	1555
15,5833	30	501	66	1187	72	1560	3,4822	1091
21,8732	2	0	213	3248	364	5169	3,5409	10383
19,7595	8	106	20	757	120	2772	3,5533	2929
19,5	16	107	64	1088	113	1877	3,5432	2129
18,5441	4	30	143	2294	211	2752	3,5705	3747
18,5833	6	174	47	1175	77	1508	3,5227	1683
21,8333	9	122	52	537	184	2918	3,5907	2825
19,4167	23	280	71	652	245	1831	3,5207	1509
16,7917	14	498	38	632	293	2133	3,5553	1590
13,9	21	1005	36	1244	44	1370	3,4829	914
14,9167	6	428	20	811	58	1758	3,4960	1692
15,7833	27	453	48	1248	52	1643	3,5220	1253
11,5833	27	1348	36	1406	48	1875	3,4998	1308
18,3667	19	683	97	1834	108	1873	3,6472	1184
17,869	11	145	42	573	162	2452	3,5190	2433
16,4278	8	458	29	1013	96	1835	3,5417	1396
16,2595	2	192	22	818	69	1762	3,5466	1563
30,9143	0	0	21	454	582	10739	3,5434	10820
14,9167	35	584	64	883	129	1728	3,5294	1570
16,0833	17	184	54	326	195	3489	3,4809	2946
17,9333	24	407	73	1087	124	1777	3,5655	1309
15,6667	24	761	28	837	50	1528	3,5128	1455
17,55	12	380	81	2045	117	2185	3,6789	1260
14,9583	2	21	49	2879	69	3073	3,4967	3170
7	7	2343	17	2417	26	2480	3,4615	2455
16,1742	38	702	93	1049	153	1743	3,5485	1317
18,598	3	127	23	483	116	2785	3,5560	2762
15,1679	5	167	31	1261	110	2802	3,5771	2371
17,8667	4	152	76	1706	128	2145	3,5688	1671
16,9833	28	594	57	1195	79	1480	3,5540	1268
15,3667	43	1085	49	1191	59	1235	3,4805	1067
18,6667	9	170	118	2039	129	2157	3,5809	1345
16,9167	9	103	50	1566	73	2254	3,4975	1605

17,5504	6	76	35	382	93	2542	3,5219	4274
27,7762	3	1	30	783	163	5479	3,4999	6347
16,75	14	564	51	885	73	1324	3,5025	1211
17,95	16	410	82	1344	147	1812	3,5648	1363
17,5333	43	203	127	1027	213	1888	3,5092	1585
19,2833	49	468	85	888	137	1511	3,5523	1262
22,5468	1	10	20	661	116	4123	3,4786	3483
13,3881	11	352	60	1157	84	1523	3,5131	1769
23,4139	5	12	53	1252	216	3012	3,5514	3324
19,9167	2	79	45	1562	100	2473	3,5884	1175
14,8333	8	267	28	862	74	1944	3,4759	1434
17,0333	24	458	48	781	95	1555	3,4898	1130
16,8595	20	418	33	915	96	1688	3,5510	1315
19,8901	9	96	17	148	149	2154	3,4539	3549
15,1833	10	556	29	888	75	1380	3,5031	1128
10,7102	3	159	8	695	42	3946	3,4600	4147
20,5	181	893	419	2189	475	2513	3,7643	1007
11,7	5	340	53	1501	83	1588	3,4399	1632
15,5	17	261	37	1355	57	1621	3,4790	1180
12,5	25	1314	31	1360	41	1411	3,4469	1245
15,8111	3	286	24	826	110	2072	3,5334	1731
14,2878	3	87	37	1943	93	2595	3,5216	3138
14,1944	33	896	54	1147	59	1271	3,4608	1148
17,6667	25	472	141	1699	173	1858	3,5799	1039
17,0929	15	180	66	825	184	2547	3,5484	2626
14,3333	24	344	63	1287	93	1786	3,4895	1415
20,8167	3	48	27	398	125	3023	3,4831	2238
16,2	33	237	92	1475	112	1766	3,5015	1429
15,75	16	415	45	1136	57	1471	3,4817	1105
17,2167	33	370	55	797	97	1658	3,5120	1463
18,9333	5	55	28	556	82	2298	3,4807	2283
18	21	181	31	248	106	2695	3,4460	2107
19,675	16	128	42	744	195	2604	3,5495	1880
17,95	15	174	40	758	131	2281	3,5353	1038
17,5595	7	341	12	441	79	1508	3,4791	1806
19,9734	5	22	49	843	518	4198	3,5708	3955
13,7857	28	136	95	1543	137	2000	3,4286	1651
24,1679	0	0	23	1393	152	3993	3,4788	7243
23,5733	7	10	51	867	197	3187	3,5534	6192
20,3857	9	61	32	316	151	2960	3,5067	2936
20,5	119	994	159	1824	169	1868	3,6941	751
16,9028	28	568	58	1174	76	1336	3,5312	1014
16,6484	24	217	92	1483	284	2931	3,6312	2508
14	11	799	31	1148	69	1495	3,5085	983
24,0484	1	5	13	594	170	3867	3,4891	5330
20,244	2	38	18	715	113	2211	3,5157	4669
19,5833	52	936	80	1292	90	1522	3,6105	726
11,3417	7	663	13	942	28	1510	3,4333	1052
18,65	4	22	139	2231	164	2482	3,4854	1836
18,8009	3	27	65	815	212	2656	3,5120	4329
15,4333	11	63	108	1166	173	2314	3,4434	1788

13,9833	10	93	31	862	59	1643	3,4222	3233
18,75	2	62	53	1495	175	2611	3,5496	1835
13,6171	13	100	94	1277	132	1547	3,4282	2762
26,8333	17	648	124	2266	147	2799	3,8731	920
13,5	55	851	65	912	80	1148	3,4180	1150
17,275	4	203	24	704	106	1717	3,4735	1395
15	40	802	84	945	101	1097	3,4242	796
17,8333	9	105	27	642	119	1920	3,3965	1502
11,3997	8	485	14	627	38	2350	3,4094	2151
11,8845	3	377	5	400	55	2700	3,4420	2074
28,85	2	0	104	1662	324	5144	3,4613	4648
14,3298	6	377	15	734	70	1560	3,4661	1484
15,8611	3	21	55	1140	233	3987	3,4534	3403
17,5	48	657	62	936	80	1117	3,4524	748
20,8333	6	246	60	1646	212	2885	3,6997	1341
4,5	12	3343	15	3348	15	3348	3,3930	3346
19,6754	2	50	18	581	124	2941	3,5441	3683
18,9	8	162	32	697	146	1857	3,5506	1588
12,6167	28	564	63	767	130	1199	3,3942	1092
15,073	1	66	13	795	52	2331	3,4490	1934
16,8838	5	97	20	765	72	1631	3,4745	2422
16,5333	11	200	48	966	120	1944	3,4951	1466
16,9701	5	11	37	1590	118	3121	3,4603	3720
15,1667	42	457	88	840	120	1062	3,3950	906
12,95	4	152	31	999	133	2016	3,4115	1734
11,0429	5	438	29	1343	66	1888	3,4592	1608
12,8333	10	286	27	1068	48	1691	3,3799	1311
18,8833	0	0	64	4959	67	4970	3,4125	4717
25,15	15	85	34	187	356	3411	3,5368	3492
11,6976	2	216	18	1592	53	1967	3,4592	1480
15,2833	11	118	50	1287	78	1958	3,5101	1686
15,8333	74	814	97	996	111	1184	3,4589	751
17,6667	3	80	24	1349	95	2497	3,4949	1141
24,8472	5	2	66	1120	262	3889	3,4721	4825
19,9857	8	76	64	1336	110	2093	3,5365	1553
16,5548	37	524	54	643	106	1544	3,4919	1574
19,0762	1	16	62	2178	96	2814	3,5336	2934
16,8524	15	422	20	473	88	1701	3,5030	1208
13,8	6	292	26	1237	82	1846	3,4912	1419
14,8333	1	282	16	860	77	1550	3,4666	1371
18,9333	43	528	74	960	138	1508	3,5489	1175
17,2119	2	83	68	1493	114	1895	3,4888	1505
19,0667	17	421	60	1532	96	1831	3,6264	962
13,4417	6	246	30	1465	72	2005	3,4966	1208
19,5429	9	276	23	575	162	2073	3,5678	1701
17	11	155	46	1136	158	1753	3,4650	1096
12,9524	16	758	35	882	77	1285	3,4598	1019
16,8333	26	252	59	668	137	1824	3,4924	1450
14,9167	11	564	39	1154	60	1384	3,4719	939
15,5167	7	137	69	1244	102	1705	3,4578	1328
20,0333	7	65	36	637	86	2625	3,5381	1840

15,8333	2	117	64	1478	165	2017	3,4834	1300
17,323	19	91	79	981	193	1570	3,4961	2129
27,7333	0	0	20	681	583	7116	3,4632	5966
14,4028	12	127	18	404	59	1495	3,4596	9913
17,5167	7	72	115	1324	212	2501	3,5414	2253
15,7	29	223	114	1338	164	1667	3,4798	1093
17,9167	3	88	87	1591	118	1855	3,4706	1261
16,7	35	620	95	1060	111	1187	3,4758	665
20,8243	3	27	21	243	220	3634	3,4872	4768
13,3333	7	256	39	1282	159	1990	3,4842	1229
27,9167	2	3	48	2755	105	4795	3,6480	1733
21,45	35	914	43	1176	49	1235	3,6056	466
23,4167	13	77	103	2229	228	3393	3,7615	1173
16,8095	5	38	90	1001	335	2783	3,4623	2337
23,2833	8	36	53	623	206	3793	3,5716	2259
17,9167	68	569	124	1467	139	1502	3,5671	881
30,1333	2	1	36	695	199	4647	3,4914	4415
21,8333	11	443	87	1994	107	2244	3,7521	751
17,5833	10	240	50	941	145	1641	3,4896	973
17,6667	37	876	63	1438	79	1578	3,6100	763
17	148	863	189	1181	198	1270	3,5119	745
16,95	61	607	101	947	143	1284	3,4700	760
19,4671	11	60	48	888	143	2432	3,5446	1585
16,0171	15	318	31	688	111	1322	3,4552	1375
20,6667	70	1091	82	1333	84	1334	3,6226	542
19,8762	2	22	138	1543	250	2555	3,4589	2083
21,6667	21	757	66	1283	113	1735	3,6624	832
14,9167	16	391	46	1224	52	1224	3,4568	709
18,0833	5	53	93	1263	121	1746	3,4689	1468
14,1422	16	345	73	954	145	1606	3,4590	1004
19,9833	12	129	82	1631	151	2252	3,5621	1373
17,7595	20	176	50	772	125	1666	3,4620	1386
19,3167	8	141	115	1624	151	2194	3,5674	1162
18,6667	49	344	103	789	182	2573	3,6017	868
16,1167	21	209	106	1157	184	1433	3,4617	1101
18,7167	12	394	54	1187	93	1793	3,5907	897
15,75	12	132	54	1429	180	2022	3,4609	1100
15,3595	30	402	85	836	178	1464	3,4665	1149
18,6167	5	139	24	596	114	1619	3,4565	1392
16,3167	20	447	50	820	139	1250	3,4547	974
18,669	5	12	50	1113	133	3305	3,4796	1879
24,8	1	1	114	2743	174	3754	3,4669	1657
16,569	34	440	88	1390	95	1403	3,5182	713
17,9167	22	292	68	976	115	1463	3,5014	1063
27,9	5	5	39	271	535	6333	3,5249	3885
17,1667	74	884	113	1032	116	1050	3,4632	407
21	53	775	86	843	104	887	3,4775	392
19,95	35	454	83	1074	121	1529	3,5491	550
18,8333	34	299	201	1491	236	1699	3,5348	376

cprat	sm-1	name1	frac1	sm-2	name2	frac2	sm22	name22
1,631	28	Mechanica	0,6364	15	Materials	0,2197	4	Engineerin
1,412	28	Mechanica	0,6226	160	Geochemis	0,1132	4	Engineerin
1,876	28	Mechanica	0,3649	164	Applied Ma	0,2641	4	Engineerin
1,712	28	Mechanica	0,2634	169	Applied Ph	0,2374	22	Physics & A
2,092	28	Mechanica	0,6493	14	Energy	0,1232	4	Engineerin
1,140	28	Mechanica	0,8267	9	Building &	0,0333	4	Engineerin
1,676	28	Mechanica	0,569	15	Materials	0,2974	4	Engineerin
1,174	28	Mechanica	0,6265	169	Applied Ph	0,1205	4	Engineerin
1,695	28	Mechanica	0,3045	169	Applied Ph	0,301	22	Physics & A
1,506	28	Mechanica	0,251	169	Applied Ph	0,247	22	Physics & A
1,685	28	Mechanica	0,6575	15	Materials	0,2329	4	Engineerin
1,819	28	Mechanica	0,8139	15	Materials	0,1082	4	Engineerin
1,533	28	Mechanica	0,3982	15	Materials	0,1475	4	Engineerin
1,573	28	Mechanica	0,3529	173	General Ph	0,3176	22	Physics & A
1,370	28	Mechanica	0,6237	172	Fluids & Pl	0,1828	4	Engineerin
1,272	28	Mechanica	0,6818	15	Materials	0,1591	4	Engineerin
1,653	28	Mechanica	0,686	169	Applied Ph	0,1047	4	Engineerin
1,739	28	Mechanica	0,7189	14	Energy	0,173	4	Engineerin
1,604	28	Mechanica	0,3646	164	Applied Ma	0,3394	4	Engineerin
2,295	28	Mechanica	0,326	15	Materials	0,326	4	Engineerin
1,991	28	Mechanica	0,5203	164	Applied Ma	0,1622	4	Engineerin
1,400	28	Mechanica	0,5556	15	Materials	0,2029	4	Engineerin
1,127	28	Mechanica	0,0726	175	Nuclear &	0,0654	4	Engineerin
1,428	28	Mechanica	0,641	15	Materials	0,1795	4	Engineerin
1,200	28	Mechanica	0,875	164	Applied Ma	0,0625	4	Engineerin
1,423	28	Mechanica	0,3516	27	Industrial E	0,2813	4	Engineerin
1,310	28	Mechanica	0,6452	169	Applied Ph	0,1935	4	Engineerin
1,386	28	Mechanica	0,6443	164	Applied Ma	0,2081	4	Engineerin
1,653	28	Mechanica	0,3768	15	Materials	0,0978	4	Engineerin
1,397	28	Mechanica	0,582	15	Materials	0,2275	4	Engineerin
1,738	28	Mechanica	0,3951	14	Energy	0,3395	4	Engineerin
1,435	28	Mechanica	0,1888	160	Geochemis	0,1678	22	Physics & A
4,854	28	Mechanica	0,227	171	Chemical P	0,2086	4	Engineerin
1,373	28	Mechanica	0,7009	14	Energy	0,0872	4	Engineerin
1,669	28	Mechanica	0,8104	21	Biomedica	0,0446	4	Engineerin
1,972	28	Mechanica	0,5631	25	Environme	0,3592	4	Engineerin
1,444	28	Mechanica	0,71	15	Materials	0,12	4	Engineerin
2,841	28	Mechanica	0,9716	19	Aerospace	0,0095	4	Engineerin
2,029	28	Mechanica	0,475	169	Applied Ph	0,175	4	Engineerin
1,785	28	Mechanica	0,5833	15	Materials	0,31	4	Engineerin
1,617	28	Mechanica	0,642	21	Biomedica	0,1023	4	Engineerin
2,220	28	Mechanica	0,8618	169	Applied Ph	0,0724	4	Engineerin
1,115	28	Mechanica	0,0915	14	Energy	0,0746	15	Clinical Me
1,498	28	Mechanica	0,5192	169	Applied Ph	0,2212	4	Engineerin
2,371	28	Mechanica	0,7699	9	Building &	0,0879	4	Engineerin
1,198	28	Mechanica	0,0708	154	Inorganic &	0,0566	4	Engineerin
1,263	28	Mechanica	0,3107	172	Fluids & Pl	0,2621	4	Engineerin
1,702	28	Mechanica	0,5166	15	Materials	0,1816	4	Engineerin

1,389	28	Mechanica	0,8704	14	Energy	0,037	4	Engineerin
1,880	28	Mechanica	0,9435	171	Chemical P	0,0304	4	Engineerin
1,663	28	Mechanica	0,8855	14	Energy	0,0382	4	Engineerin
2,239	28	Mechanica	0,5477	25	Environme	0,1499	4	Engineerin
2,039	28	Mechanica	0,6183	169	Applied Ph	0,1527	4	Engineerin
1,422	28	Mechanica	0,4251	15	Materials	0,1691	4	Engineerin
1,419	28	Mechanica	0,2882	15	Materials	0,2588	3	Enabling &
1,972	28	Mechanica	0,9276	24	Electrical &	0,0362	4	Engineerin
3,045	28	Mechanica	0,189	22	Chemical E	0,1443	4	Engineerin
1,453	28	Mechanica	0,3804	19	Aerospace	0,1957	4	Engineerin
1,566	28	Mechanica	0,4359	168	Acoustics	0,1923	4	Engineerin
1,312	28	Mechanica	0,4559	172	Fluids & Pl	0,2059	4	Engineerin
1,417	28	Mechanica	0,4318	172	Fluids & Pl	0,3977	4	Engineerin
1,125	28	Mechanica	0,5862	14	Energy	0,1897	4	Engineerin
1,538	28	Mechanica	0,2941	158	Polymers	0,2294	4	Engineerin
1,595	28	Mechanica	0,9476	27	Industrial E	0,0209	4	Engineerin
1,378	28	Mechanica	0,3923	16	Nanoscien	0,1188	4	Engineerin
1,445	28	Mechanica	0,9007	19	Aerospace	0,0355	4	Engineerin
1,408	28	Mechanica	0,3143	27	Industrial E	0,2929	4	Engineerin
1,409	28	Mechanica	0,3673	169	Applied Ph	0,3053	4	Engineerin
1,576	28	Mechanica	0,8557	15	Materials	0,0722	4	Engineerin
1,438	28	Mechanica	0,4348	164	Applied Ma	0,1125	4	Engineerin
1,646	28	Mechanica	0,4253	26	Geological	0,2759	4	Engineerin
1,095	28	Mechanica	0,8333	98	Anesthesic	0,0185	4	Engineerin
1,933	28	Mechanica	0,4247	15	Materials	0,1849	4	Engineerin
1,343	28	Mechanica	0,3017	158	Polymers	0,2026	4	Engineerin
1,534	28	Mechanica	0,2165	172	Fluids & Pl	0,1753	22	Physics & A
1,862	28	Mechanica	0,6516	23	Civil Engine	0,1484	4	Engineerin
3,540	28	Mechanica	0,2597	164	Applied Ma	0,0906	4	Engineerin
1,456	28	Mechanica	0,7917	9	Building &	0,0972	4	Engineerin
1,668	28	Mechanica	0,7522	22	Chemical E	0,0951	4	Engineerin
2,066	28	Mechanica	0,5094	23	Civil Engine	0,1195	4	Engineerin
2,356	28	Mechanica	0,6362	25	Environme	0,0689	4	Engineerin
1,759	28	Mechanica	0,4412	164	Applied Ma	0,1324	4	Engineerin
1,363	28	Mechanica	0,2826	25	Environme	0,163	4	Engineerin
1,545	28	Mechanica	0,4103	168	Acoustics	0,3761	4	Engineerin
1,759	28	Mechanica	0,5602	164	Applied Ma	0,241	4	Engineerin
1,263	28	Mechanica	0,2959	19	Aerospace	0,2449	4	Engineerin
1,277	28	Mechanica	0,7619	162	Meteorolo	0,0952	4	Engineerin
1,614	28	Mechanica	0,6477	14	Energy	0,0638	4	Engineerin
1,499	28	Mechanica	0,7742	169	Applied Ph	0,0645	4	Engineerin
1,887	28	Mechanica	0,4107	21	Biomedica	0,1964	4	Engineerin
1,187	28	Mechanica	0,1494	27	Industrial E	0,0608	4	Engineerin
1,633	28	Mechanica	0,5692	15	Materials	0,2359	4	Engineerin
1,485	28	Mechanica	0,4392	25	Environme	0,0878	4	Engineerin
1,890	28	Mechanica	0,3434	26	Geological	0,3131	4	Engineerin
1,644	28	Mechanica	0,6333	65	Logistics &	0,1	4	Engineerin
2,092	28	Mechanica	0,7902	23	Civil Engine	0,0559	4	Engineerin
1,522	28	Mechanica	0,4054	169	Applied Ph	0,3784	22	Physics & A
1,333	28	Mechanica	0,8805	14	Energy	0,0204	4	Engineerin
1,141	28	Mechanica	0,056	83	General Sc	0,0532	15	Clinical Me

1,521	28	Mechanica	0,2836	22	Chemical E	0,1387	4	Engineerin
1,134	28	Mechanica	0,8438	164	Applied Ma	0,0938	4	Engineerin
1,284	28	Mechanica	0,3129	172	Fluids & Pl	0,1871	4	Engineerin
1,617	28	Mechanica	0,5177	15	Materials	0,2212	4	Engineerin
2,151	28	Mechanica	0,4412	14	Energy	0,1912	4	Engineerin
1,489	28	Mechanica	0,8649	164	Applied Ma	0,0811	4	Engineerin
1,448	28	Mechanica	0,2941	27	Industrial E	0,098	4	Engineerin
1,975	28	Mechanica	0,8529	23	Civil Engine	0,0882	4	Engineerin
1,667	28	Mechanica	0,4077	15	Materials	0,3308	4	Engineerin
1,179	28	Mechanica	0,103	37	Networkin	0,0811	4	Engineerin
1,445	28	Mechanica	0,5571	169	Applied Ph	0,4	4	Engineerin
2,305	28	Mechanica	0,2632	15	Materials	0,2526	4	Engineerin
1,860	28	Mechanica	0,2591	17	Optoelectr	0,2148	3	Enabling &
1,512	28	Mechanica	0,3478	162	Meteorolo	0,1522	4	Engineerin
1,785	28	Mechanica	0,5118	164	Applied Ma	0,1417	4	Engineerin
1,601	28	Mechanica	0,5753	15	Materials	0,21	4	Engineerin
1,277	28	Mechanica	0,7069	9	Building &	0,2586	4	Engineerin
1,336	28	Mechanica	0,3985	168	Acoustics	0,3284	4	Engineerin
1,900	28	Mechanica	0,6	19	Aerospace	0,2364	4	Engineerin
1,651	28	Mechanica	0,7402	15	Materials	0,126	4	Engineerin
2,230	28	Mechanica	0,4913	15	Materials	0,3783	4	Engineerin
1,451	28	Mechanica	0,374	15	Materials	0,3359	4	Engineerin
1,475	28	Mechanica	0,264	152	Analytical (	0,1966	4	Engineerin
1,249	28	Mechanica	0,8116	168	Acoustics	0,0725	4	Engineerin
1,603	28	Mechanica	0,8182	171	Chemical P	0,0519	4	Engineerin
1,966	28	Mechanica	0,3009	166	Numerical	0,1435	4	Engineerin
1,403	28	Mechanica	0,5084	15	Materials	0,1181	4	Engineerin
1,438	28	Mechanica	0,741	14	Energy	0,1265	4	Engineerin
1,724	28	Mechanica	0,3867	162	Meteorolo	0,1547	4	Engineerin
1,157	28	Mechanica	0,1394	90	Microbiolo	0,0956	4	Engineerin
2,166	28	Mechanica	0,8081	172	Fluids & Pl	0,0606	4	Engineerin
1,449	28	Mechanica	0,511	172	Fluids & Pl	0,2912	4	Engineerin
1,875	28	Mechanica	0,58	162	Meteorolo	0,2333	4	Engineerin
1,916	28	Mechanica	0,4959	164	Applied Ma	0,1736	4	Engineerin
1,408	28	Mechanica	0,3535	15	Materials	0,2626	4	Engineerin
1,243	28	Mechanica	0,6323	169	Applied Ph	0,1032	4	Engineerin
1,249	28	Mechanica	0,2222	26	Geological	0,1944	4	Engineerin
1,085	28	Mechanica	0,0949	83	General Sc	0,0588	4	Engineerin
1,338	28	Mechanica	0,4828	172	Fluids & Pl	0,1494	4	Engineerin
1,734	28	Mechanica	0,4251	164	Applied Ma	0,3693	4	Engineerin
1,720	28	Mechanica	0,5284	15	Materials	0,1433	4	Engineerin
1,407	28	Mechanica	0,8087	15	Materials	0,0696	4	Engineerin
1,320	28	Mechanica	0,7059	169	Applied Ph	0,1765	4	Engineerin
1,474	28	Mechanica	0,3276	16	Nanoscien	0,2989	3	Enabling &
1,707	28	Mechanica	0,7574	27	Industrial E	0,071	4	Engineerin
1,328	28	Mechanica	0,32	172	Fluids & Pl	0,3	22	Physics & A
1,213	28	Mechanica	0,6508	164	Applied Ma	0,1905	4	Engineerin
1,135	28	Mechanica	0,5366	164	Applied Ma	0,2683	4	Engineerin
1,538	28	Mechanica	0,572	14	Energy	0,204	4	Engineerin
1,300	28	Mechanica	0,5127	164	Applied Ma	0,1329	4	Engineerin
1,548	28	Mechanica	0,4189	172	Fluids & Pl	0,2635	4	Engineerin

1,891	28	Mechanica	0,6786	164	Applied Ma	0,1571	4	Engineerin
1,178	28	Mechanica	0,7738	15	Materials	0,131	4	Engineerin
1,231	28	Mechanica	0,64	15	Materials	0,13	4	Engineerin
1,734	28	Mechanica	0,7733	14	Energy	0,1984	4	Engineerin
1,380	28	Mechanica	0,2535	164	Applied Ma	0,2349	4	Engineerin
1,297	28	Mechanica	0,4583	86	Biochemist	0,1944	4	Engineerin
1,389	28	Mechanica	0,5039	15	Materials	0,2441	4	Engineerin
1,277	28	Mechanica	0,8929	14	Energy	0,0714	4	Engineerin
1,378	28	Mechanica	0,4604	15	Materials	0,2878	4	Engineerin
1,534	28	Mechanica	0,6726	164	Applied Ma	0,2655	4	Engineerin
1,931	28	Mechanica	0,4672	83	General Sc	0,1397	4	Engineerin
1,443	28	Mechanica	0,466	166	Numerical	0,1408	4	Engineerin
1,657	28	Mechanica	0,9368	158	Polymers	0,0316	4	Engineerin
1,505	28	Mechanica	0,4069	168	Acoustics	0,1961	4	Engineerin
1,697	28	Mechanica	0,3452	26	Geological	0,2262	4	Engineerin
1,670	28	Mechanica	0,7062	14	Energy	0,1484	4	Engineerin
1,472	28	Mechanica	0,5556	15	Materials	0,25	4	Engineerin
1,146	28	Mechanica	0,4091	171	Chemical P	0,1212	4	Engineerin
1,237	28	Mechanica	0,5	164	Applied Ma	0,2391	4	Engineerin
1,498	28	Mechanica	0,4619	16	Nanoscien	0,1015	4	Engineerin
1,591	28	Mechanica	0,838	164	Applied Ma	0,0615	4	Engineerin
1,374	28	Mechanica	0,7064	172	Fluids & Pl	0,1835	4	Engineerin
2,845	28	Mechanica	0,2818	166	Numerical	0,1	22	Physics & A
1,692	28	Mechanica	0,6494	22	Chemical E	0,2857	4	Engineerin
1,412	28	Mechanica	0,7015	172	Fluids & Pl	0,1045	4	Engineerin
1,387	28	Mechanica	0,5921	15	Materials	0,1513	4	Engineerin
1,497	28	Mechanica	0,449	19	Aerospace	0,3265	4	Engineerin
1,632	28	Mechanica	0,7556	15	Materials	0,0963	4	Engineerin
1,848	28	Mechanica	0,7341	160	Geochemis	0,052	4	Engineerin
1,821	28	Mechanica	0,612	14	Energy	0,14	4	Engineerin
1,586	28	Mechanica	0,4708	15	Materials	0,2208	4	Engineerin
2,089	28	Mechanica	0,3701	164	Applied Ma	0,1299	4	Engineerin
1,780	28	Mechanica	0,6213	14	Energy	0,3064	4	Engineerin
1,471	28	Mechanica	0,5652	164	Applied Ma	0,0994	4	Engineerin
1,375	28	Mechanica	0,587	14	Energy	0,2246	4	Engineerin
1,443	28	Mechanica	0,3062	168	Acoustics	0,2536	22	Physics & A
1,230	28	Mechanica	0,6849	164	Applied Ma	0,1507	4	Engineerin
1,641	28	Mechanica	0,3317	21	Biomedica	0,3218	4	Engineerin
1,520	28	Mechanica	0,9216	14	Energy	0,0392	4	Engineerin
1,420	28	Mechanica	0,449	15	Materials	0,3469	4	Engineerin
1,441	28	Mechanica	0,3675	23	Civil Engine	0,2906	4	Engineerin
1,632	28	Mechanica	0,8165	14	Energy	0,1009	4	Engineerin
1,223	28	Mechanica	0,7	15	Materials	0,1467	4	Engineerin
1,515	28	Mechanica	0,5	173	General Ph	0,2308	4	Engineerin
1,520	28	Mechanica	0,4326	172	Fluids & Pl	0,3191	4	Engineerin
1,366	28	Mechanica	0,4037	15	Materials	0,2018	4	Engineerin
1,736	28	Mechanica	0,6984	23	Civil Engine	0,1111	4	Engineerin
1,540	28	Mechanica	0,4935	15	Materials	0,2208	4	Engineerin
1,269	28	Mechanica	0,5556	15	Materials	0,1852	4	Engineerin
1,432	28	Mechanica	0,8289	15	Materials	0,0526	4	Engineerin
1,304	28	Mechanica	0,4477	15	Materials	0,436	4	Engineerin

1,709	28	Mechanica	0,6727	17	Optoelectr	0,1455	4	Engineerin
1,619	28	Mechanica	0,5625	14	Energy	0,25	4	Engineerin
1,331	28	Mechanica	0,4194	172	Fluids & Pl	0,2043	4	Engineerin
3,426	28	Mechanica	0,6122	164	Applied Ma	0,2449	4	Engineerin
2,184	28	Mechanica	0,4024	15	Materials	0,2663	4	Engineerin
1,253	28	Mechanica	0,4688	15	Materials	0,3438	4	Engineerin
1,447	28	Mechanica	0,2205	14	Energy	0,2047	4	Engineerin
1,729	28	Mechanica	0,3934	15	Materials	0,3886	4	Engineerin
1,402	28	Mechanica	0,7152	164	Applied Ma	0,0636	4	Engineerin
1,412	28	Mechanica	0,5102	160	Geochemis	0,1633	4	Engineerin
1,165	28	Mechanica	0,1169	173	General Ph	0,0935	22	Physics & A
1,745	28	Mechanica	0,4421	15	Materials	0,3684	4	Engineerin
1,570	28	Mechanica	0,4783	15	Materials	0,4674	4	Engineerin
1,866	28	Mechanica	0,7478	19	Aerospace	0,1652	4	Engineerin
1,977	28	Mechanica	0,9355	22	Chemical E	0,0538	4	Engineerin
1,442	28	Mechanica	0,2951	172	Fluids & Pl	0,2131	22	Physics & A
1,330	28	Mechanica	0,8947	15	Materials	0,0877	4	Engineerin
1,331	28	Mechanica	0,3684	15	Materials	0,2842	3	Enabling &
1,563	28	Mechanica	0,398	9	Building &	0,2139	4	Engineerin
1,431	28	Mechanica	0,6454	173	General Ph	0,0851	4	Engineerin
1,823	28	Mechanica	0,5051	15	Materials	0,3622	4	Engineerin
1,274	28	Mechanica	0,557	15	Materials	0,1053	4	Engineerin
1,574	28	Mechanica	0,2743	158	Polymers	0,1858	22	Physics & A
1,585	28	Mechanica	0,7612	15	Materials	0,0896	4	Engineerin
1,562	28	Mechanica	0,4	25	Environme	0,375	4	Engineerin
1,868	28	Mechanica	0,3438	15	Materials	0,2031	4	Engineerin
1,799	28	Mechanica	0,3265	164	Applied Ma	0,2177	21	Mathemat
1,755	28	Mechanica	0,7931	164	Applied Ma	0,0603	4	Engineerin
1,418	28	Mechanica	0,4396	14	Energy	0,1502	4	Engineerin
1,423	28	Mechanica	0,3968	15	Materials	0,3333	4	Engineerin
1,463	28	Mechanica	0,6359	169	Applied Ph	0,159	4	Engineerin
1,360	28	Mechanica	0,3505	169	Applied Ph	0,3196	22	Physics & A
2,164	28	Mechanica	0,9706	15	Materials	0,0147	4	Engineerin
1,497	28	Mechanica	0,5618	14	Energy	0,191	4	Engineerin
1,694	28	Mechanica	0,4952	164	Applied Ma	0,2667	4	Engineerin
1,363	28	Mechanica	0,6033	14	Energy	0,2562	4	Engineerin
2,214	28	Mechanica	0,3902	168	Acoustics	0,2	22	Physics & A
2,079	28	Mechanica	0,264	14	Energy	0,1292	4	Engineerin
1,348	28	Mechanica	0,6159	24	Electrical &	0,1884	4	Engineerin
1,193	28	Mechanica	0,9688	14	Energy	0,0156	4	Engineerin
2,013	28	Mechanica	0,4054	15	Materials	0,3378	4	Engineerin
1,684	28	Mechanica	0,5567	169	Applied Ph	0,2069	4	Engineerin
1,296	28	Mechanica	0,6119	15	Materials	0,3433	4	Engineerin
1,454	28	Mechanica	0,7857	15	Materials	0,1571	4	Engineerin
1,311	28	Mechanica	0,4545	173	General Ph	0,2576	4	Engineerin
1,459	28	Mechanica	0,3824	15	Materials	0,2794	4	Engineerin
1,233	28	Mechanica	0,3611	164	Applied Ma	0,3333	21	Mathemat
1,365	28	Mechanica	0,2113	171	Chemical P	0,1186	22	Physics & A
1,337	28	Mechanica	0,6196	22	Chemical E	0,2174	4	Engineerin
1,255	28	Mechanica	0,3949	15	Materials	0,2484	4	Engineerin
1,515	28	Mechanica	0,8622	15	Materials	0,0561	4	Engineerin

1,330	28	Mechanica	0,4026	164	Applied Ma	0,1558	4	Engineerin
1,485	28	Mechanica	0,8563	24	Electrical &	0,0659	4	Engineerin
1,254	28	Mechanica	0,8448	14	Energy	0,1379	4	Engineerin
1,368	28	Mechanica	0,4752	15	Materials	0,3475	4	Engineerin
1,651	28	Mechanica	0,7308	158	Polymers	0,0427	4	Engineerin
1,414	28	Mechanica	0,6763	158	Polymers	0,1087	4	Engineerin
2,111	28	Mechanica	0,4741	14	Energy	0,4303	4	Engineerin
2,255	28	Mechanica	0,2638	169	Applied Ph	0,2248	22	Physics & A
1,174	28	Mechanica	0,7423	21	Biomedica	0,0619	4	Engineerin
1,396	28	Mechanica	0,3846	164	Applied Ma	0,2308	4	Engineerin
1,634	28	Mechanica	0,2692	19	Aerospace	0,2596	4	Engineerin
2,561	28	Mechanica	0,2781	15	Materials	0,2318	22	Physics & A
1,197	28	Mechanica	0,3929	164	Applied Ma	0,2679	4	Engineerin
1,419	28	Mechanica	0,2456	15	Materials	0,1708	3	Enabling &
1,513	28	Mechanica	0,629	15	Materials	0,1935	4	Engineerin
1,506	28	Mechanica	0,4042	15	Materials	0,1833	4	Engineerin
1,311	28	Mechanica	0,5455	14	Energy	0,0909	4	Engineerin
1,298	28	Mechanica	0,5905	15	Materials	0,2571	4	Engineerin
1,605	28	Mechanica	0,3303	14	Energy	0,2752	4	Engineerin
1,227	28	Mechanica	0,3429	169	Applied Ph	0,3143	22	Physics & A
2,131	28	Mechanica	0,5593	14	Energy	0,4068	4	Engineerin
1,428	28	Mechanica	0,5732	22	Chemical E	0,2102	4	Engineerin
1,059	28	Mechanica	0,375	161	Geology	0,1875	4	Engineerin
1,358	28	Mechanica	0,2491	16	Nanoscien	0,2321	3	Enabling &
1,280	28	Mechanica	0,5735	173	General Ph	0,3235	4	Engineerin
1,898	28	Mechanica	0,8228	172	Fluids & Pl	0,0759	4	Engineerin
1,943	28	Mechanica	0,4395	19	Aerospace	0,296	4	Engineerin
1,524	28	Mechanica	0,75	14	Energy	0,0517	4	Engineerin
1,725	28	Mechanica	0,595	164	Applied Ma	0,1901	4	Engineerin
1,818	28	Mechanica	0,4797	172	Fluids & Pl	0,2635	4	Engineerin
1,305	28	Mechanica	0,4444	15	Materials	0,4444	3	Enabling &
1,209	28	Mechanica	0,5	169	Applied Ph	0,15	4	Engineerin
1,547	28	Mechanica	0,5799	15	Materials	0,2329	4	Engineerin
1,545	28	Mechanica	0,6458	164	Applied Ma	0,1667	4	Engineerin
1,380	28	Mechanica	0,8889	25	Environme	0,0222	4	Engineerin
2,407	28	Mechanica	0,8548	22	Chemical E	0,0565	4	Engineerin
1,563	28	Mechanica	0,3519	15	Materials	0,3519	4	Engineerin
1,520	28	Mechanica	0,6594	162	Meteorolo	0,0942	4	Engineerin
2,463	28	Mechanica	0,6341	14	Energy	0,2073	4	Engineerin
1,237	28	Mechanica	0,5281	27	Industrial E	0,2697	4	Engineerin
1,119	28	Mechanica	0,4028	22	Chemical E	0,3472	4	Engineerin
1,315	28	Mechanica	0,5	164	Applied Ma	0,4714	4	Engineerin
1,717	28	Mechanica	0,2857	168	Acoustics	0,2653	4	Engineerin
1,371	28	Mechanica	0,4512	15	Materials	0,1951	4	Engineerin
1,881	28	Mechanica	0,5062	14	Energy	0,4074	4	Engineerin
1,189	28	Mechanica	0,1935	15	Materials	0,1935	4	Engineerin
2,438	28	Mechanica	0,8101	14	Energy	0,0759	4	Engineerin
1,688	28	Mechanica	0,5488	164	Applied Ma	0,1951	4	Engineerin
1,193	28	Mechanica	0,1437	150	Plant Biolo	0,1317	15	Clinical Me
1,530	28	Mechanica	0,4065	15	Materials	0,3577	4	Engineerin
1,116	28	Mechanica	0,6809	147	Evolutiona	0,0851	4	Engineerin

1,707	28	Mechanica	0,8707	15	Materials	0,0603	4	Engineerin
2,517	28	Mechanica	0,2454	173	General Ph	0,1524	4	Engineerin
1,670	28	Mechanica	0,888	164	Applied Ma	0,072	4	Engineerin
1,375	28	Mechanica	0,8026	9	Building &	0,0921	4	Engineerin
1,378	28	Mechanica	0,3265	169	Applied Ph	0,2755	4	Engineerin
1,375	28	Mechanica	0,3043	23	Civil Engine	0,2391	4	Engineerin
2,784	28	Mechanica	0,4595	164	Applied Ma	0,3135	21	Mathemat
1,145	28	Mechanica	0,7692	164	Applied Ma	0,1154	4	Engineerin
1,658	28	Mechanica	0,4318	15	Materials	0,375	4	Engineerin
2,593	28	Mechanica	0,2174	16	Nanoscien	0,1848	4	Engineerin
1,443	28	Mechanica	0,5385	164	Applied Ma	0,1538	4	Engineerin
1,410	28	Mechanica	0,5319	15	Materials	0,2979	4	Engineerin
1,183	28	Mechanica	0,5696	164	Applied Ma	0,2152	4	Engineerin
1,553	28	Mechanica	0,4563	168	Acoustics	0,1456	4	Engineerin
1,383	28	Mechanica	0,2105	172	Fluids & Pl	0,1504	22	Physics & A
1,262	28	Mechanica	0,766	169	Applied Ph	0,1489	4	Engineerin
1,329	28	Mechanica	0,6341	15	Materials	0,1341	4	Engineerin
1,476	28	Mechanica	0,434	15	Materials	0,434	4	Engineerin
1,852	28	Mechanica	0,5238	15	Materials	0,1465	4	Engineerin
1,337	28	Mechanica	0,313	15	Materials	0,2783	4	Engineerin
2,022	28	Mechanica	0,2628	170	Astronomy	0,2436	22	Physics & A
1,600	28	Mechanica	0,669	15	Materials	0,131	4	Engineerin
1,252	28	Mechanica	0,3176	172	Fluids & Pl	0,2471	4	Engineerin
2,214	28	Mechanica	0,2813	173	General Ph	0,1875	4	Engineerin
1,439	28	Mechanica	0,5814	14	Energy	0,2093	4	Engineerin
1,812	28	Mechanica	0,6306	15	Materials	0,2973	4	Engineerin
1,554	28	Mechanica	0,6719	14	Energy	0,0938	4	Engineerin
1,347	28	Mechanica	0,5	15	Materials	0,4394	4	Engineerin
1,478	28	Mechanica	0,2242	31	Artificial In	0,1352	4	Engineerin
1,063	28	Mechanica	0,4483	168	Acoustics	0,2414	4	Engineerin
1,629	28	Mechanica	0,4453	15	Materials	0,3796	4	Engineerin
1,188	28	Mechanica	0,2539	169	Applied Ph	0,1347	4	Engineerin
1,545	28	Mechanica	0,5306	164	Applied Ma	0,1939	4	Engineerin
1,553	28	Mechanica	0,4701	15	Materials	0,4552	4	Engineerin
1,482	28	Mechanica	0,5374	14	Energy	0,1633	4	Engineerin
1,484	28	Mechanica	0,4466	114	Nuclear M	0,1456	4	Engineerin
1,423	28	Mechanica	0,4024	168	Acoustics	0,1463	4	Engineerin
1,263	28	Mechanica	0,2587	14	Energy	0,1888	4	Engineerin
1,291	28	Mechanica	0,5888	16	Nanoscien	0,0748	4	Engineerin
1,485	28	Mechanica	0,9019	15	Materials	0,0561	4	Engineerin
1,285	28	Mechanica	0,5172	19	Aerospace	0,1379	4	Engineerin
1,501	28	Mechanica	0,4301	15	Materials	0,3871	3	Enabling &
1,444	28	Mechanica	0,3193	15	Materials	0,2521	4	Engineerin
1,282	28	Mechanica	0,6	15	Materials	0,18	4	Engineerin
1,454	28	Mechanica	0,3366	83	General Sc	0,198	4	Engineerin
1,403	28	Mechanica	0,6176	22	Chemical E	0,3382	4	Engineerin
1,448	28	Mechanica	0,8468	168	Acoustics	0,0323	4	Engineerin
1,311	28	Mechanica	0,7143	22	Chemical E	0,0909	4	Engineerin
1,523	28	Mechanica	0,7153	15	Materials	0,2083	4	Engineerin
1,503	28	Mechanica	0,2479	169	Applied Ph	0,1966	22	Physics & A
2,531	28	Mechanica	0,7327	22	Chemical E	0,1287	4	Engineerin

1,669	28	Mechanica	0,3262	164	Applied Ma	0,2043	4	Engineerin
1,698	28	Mechanica	0,6667	15	Materials	0,213	4	Engineerin
1,359	28	Mechanica	0,5	170	Astronomy	0,2143	4	Engineerin
1,568	28	Mechanica	0,2921	164	Applied Ma	0,1683	4	Engineerin
1,770	28	Mechanica	0,6667	164	Applied Ma	0,2095	4	Engineerin
1,645	28	Mechanica	0,6796	15	Materials	0,2136	4	Engineerin
1,145	28	Mechanica	0,8235	14	Energy	0,1176	4	Engineerin
1,066	28	Mechanica	0,4839	19	Aerospace	0,129	4	Engineerin
1,432	28	Mechanica	0,6569	9	Building &	0,1168	4	Engineerin
1,507	28	Mechanica	0,5059	15	Materials	0,3647	4	Engineerin
1,279	28	Mechanica	0,4583	164	Applied Ma	0,1389	4	Engineerin
1,770	28	Mechanica	0,5435	15	Materials	0,2609	4	Engineerin
1,504	28	Mechanica	0,6364	118	Orthopedic	0,2	4	Engineerin
1,645	28	Mechanica	0,5811	25	Environme	0,1892	4	Engineerin
1,368	28	Mechanica	0,4878	22	Chemical E	0,1463	4	Engineerin
1,985	28	Mechanica	0,25	22	Chemical E	0,1724	4	Engineerin
1,464	28	Mechanica	0,4706	21	Biomedica	0,0882	4	Engineerin
1,707	28	Mechanica	0,4359	21	Biomedica	0,3333	4	Engineerin
1,133	28	Mechanica	0,3778	164	Applied Ma	0,2222	4	Engineerin
1,275	28	Mechanica	0,5797	23	Civil Engine	0,1159	4	Engineerin
1,550	28	Mechanica	0,6374	15	Materials	0,1538	4	Engineerin
1,421	28	Mechanica	0,6429	16	Nanoscien	0,1429	4	Engineerin
1,560	28	Mechanica	0,4865	173	General Ph	0,1892	4	Engineerin
1,576	28	Mechanica	0,3333	162	Meteorolo	0,2449	4	Engineerin
1,450	28	Mechanica	0,5029	15	Materials	0,1272	4	Engineerin
1,342	28	Mechanica	0,7083	169	Applied Ph	0,1167	4	Engineerin
2,329	28	Mechanica	0,6883	164	Applied Ma	0,0909	4	Engineerin
1,249	28	Mechanica	0,8611	15	Materials	0,0556	4	Engineerin
1,315	28	Mechanica	0,4776	15	Materials	0,3582	4	Engineerin
1,005	28	Mechanica	1				4	Engineerin
1,688	28	Mechanica	0,8404	21	Biomedica	0,0532	4	Engineerin
1,346	28	Mechanica	0,6282	172	Fluids & Pl	0,141	4	Engineerin
2,064	28	Mechanica	0,5279	22	Chemical E	0,2538	4	Engineerin
1,451	28	Mechanica	0,4103	14	Energy	0,359	4	Engineerin
1,873	28	Mechanica	0,6287	15	Materials	0,2475	4	Engineerin
1,611	28	Mechanica	0,5566	14	Energy	0,2028	4	Engineerin
1,190	28	Mechanica	0,3014	19	Aerospace	0,2329	4	Engineerin
1,552	28	Mechanica	0,6306	15	Materials	0,1083	4	Engineerin
1,366	28	Mechanica	0,3953	19	Aerospace	0,2093	4	Engineerin
1,266	28	Mechanica	0,5517	15	Materials	0,2759	4	Engineerin
1,441	28	Mechanica	0,7312	19	Aerospace	0,0466	4	Engineerin
1,442	28	Mechanica	0,4851	14	Energy	0,3168	4	Engineerin
1,354	28	Mechanica	0,382	164	Applied Ma	0,2135	4	Engineerin
1,403	28	Mechanica	0,3091	166	Numerical	0,2364	21	Mathemat
1,947	28	Mechanica	0,413	26	Geological	0,1739	4	Engineerin
1,347	28	Mechanica	0,7018	14	Energy	0,1053	4	Engineerin
1,410	28	Mechanica	0,5859	15	Materials	0,3333	4	Engineerin
1,841	28	Mechanica	0,5377	15	Materials	0,2808	4	Engineerin
1,349	28	Mechanica	0,525	169	Applied Ph	0,175	4	Engineerin
1,363	28	Mechanica	0,7692	168	Acoustics	0,1282	4	Engineerin
1,551	28	Mechanica	0,8478	164	Applied Ma	0,0652	4	Engineerin

1,820	28	Mechanica	0,619	14	Energy	0,1973	4	Engineerin
1,775	28	Mechanica	0,6794	29	Mining & M	0,1069	4	Engineerin
1,737	28	Mechanica	0,725	15	Materials	0,0875	4	Engineerin
1,601	28	Mechanica	0,2054	168	Acoustics	0,1919	4	Engineerin
1,328	28	Mechanica	0,4327	15	Materials	0,4231	3	Enabling &
2,074	28	Mechanica	0,277	173	General Ph	0,2095	22	Physics & A
1,608	28	Mechanica	0,7727	164	Applied Ma	0,125	4	Engineerin
1,535	28	Mechanica	0,4534	158	Polymers	0,2429	4	Engineerin
1,431	28	Mechanica	0,2389	164	Applied Ma	0,2212	4	Engineerin
1,359	28	Mechanica	0,3511	15	Materials	0,1383	4	Engineerin
1,406	28	Mechanica	0,4746	15	Materials	0,2373	4	Engineerin
1,118	28	Mechanica	0,2308	15	Materials	0,0808	4	Engineerin
1,638	28	Mechanica	0,4556	23	Civil Engine	0,2222	4	Engineerin
1,964	28	Mechanica	0,7719	15	Materials	0,1579	4	Engineerin
1,769	28	Mechanica	0,354	15	Materials	0,2832	4	Engineerin
1,946	28	Mechanica	0,6818	22	Chemical E	0,1667	4	Engineerin
1,238	28	Mechanica	0,4862	164	Applied Ma	0,1101	4	Engineerin
1,531	28	Mechanica	0,9116	15	Materials	0,0408	4	Engineerin
1,460	28	Mechanica	1				4	Engineerin
1,216	28	Mechanica	0,066	152	Analytical (	0,056	19	Chemistry
1,278	28	Mechanica	0,7091	118	Orthopedic	0,0818	4	Engineerin
1,403	28	Mechanica	0,6239	15	Materials	0,2477	4	Engineerin
1,192	28	Mechanica	0,1728	15	Materials	0,1275	4	Engineerin
1,357	28	Mechanica	0,593	14	Energy	0,2442	4	Engineerin
1,437	28	Mechanica	0,399	164	Applied Ma	0,3523	4	Engineerin
1,429	28	Mechanica	0,5714	19	Aerospace	0,3626	4	Engineerin
1,584	28	Mechanica	0,7748	14	Energy	0,0927	4	Engineerin
1,562	28	Mechanica	0,375	169	Applied Ph	0,375	22	Physics & A
1,158	28	Mechanica	0,6034	164	Applied Ma	0,1379	4	Engineerin
1,465	28	Mechanica	0,4783	20	Automobil	0,3478	4	Engineerin
1,504	28	Mechanica	0,8936	15	Materials	0,0638	4	Engineerin
1,726	28	Mechanica	0,1694	166	Numerical	0,1532	22	Physics & A
1,314	28	Mechanica	0,3165	168	Acoustics	0,2086	22	Physics & A
1,511	28	Mechanica	0,4348	15	Materials	0,3478	4	Engineerin
2,007	28	Mechanica	0,5208	14	Energy	0,1354	4	Engineerin
1,327	28	Mechanica	0,3994	169	Applied Ph	0,1484	4	Engineerin
1,271	28	Mechanica	0,2632	20	Automobil	0,1711	4	Engineerin
1,288	28	Mechanica	0,4364	172	Fluids & Pl	0,2	4	Engineerin
1,569	28	Mechanica	0,5658	71	Education	0,1579	4	Engineerin
1,204	28	Mechanica	0,6667	15	Materials	0,2	4	Engineerin
2,465	28	Mechanica	0,417	15	Materials	0,3198	4	Engineerin
1,199	28	Mechanica	0,679	100	Cardiovasc	0,0864	4	Engineerin
1,010	28	Mechanica	0,8261	164	Applied Ma	0,1304	4	Engineerin
1,436	28	Mechanica	0,2441	169	Applied Ph	0,2362	22	Physics & A
1,510	28	Mechanica	0,3881	15	Materials	0,3358	4	Engineerin
1,496	28	Mechanica	0,2885	21	Biomedica	0,1731	4	Engineerin
1,576	28	Mechanica	0,6933	166	Numerical	0,06	4	Engineerin
1,425	28	Mechanica	0,3636	14	Energy	0,2955	4	Engineerin
1,239	28	Mechanica	0,6129	164	Applied Ma	0,2903	4	Engineerin
1,624	28	Mechanica	0,6016	164	Applied Ma	0,1328	4	Engineerin
1,434	28	Mechanica	0,6515	164	Applied Ma	0,1061	4	Engineerin

1,562	28	Mechanica	0,4593	14	Energy	0,1704	4	Engineerin
1,294	28	Mechanica	0,6961	14	Energy	0,0833	4	Engineerin
1,320	28	Mechanica	0,7931	15	Materials	0,1379	4	Engineerin
1,395	28	Mechanica	0,3113	15	Materials	0,1887	4	Engineerin
1,409	28	Mechanica	0,3333	168	Acoustics	0,2807	4	Engineerin
1,448	28	Mechanica	0,6541	19	Aerospace	0,1805	4	Engineerin
1,475	28	Mechanica	0,6134	162	Meteorolo	0,1345	4	Engineerin
1,481	28	Mechanica	0,6224	156	Organic Ch	0,2347	4	Engineerin
1,644	28	Mechanica	0,4978	14	Energy	0,1422	4	Engineerin
2,602	28	Mechanica	0,3482	164	Applied Ma	0,2321	21	Mathemat
1,368	28	Mechanica	0,439	168	Acoustics	0,1951	4	Engineerin
1,533	28	Mechanica	0,759	19	Aerospace	0,0482	4	Engineerin
1,716	28	Mechanica	0,5846	19	Aerospace	0,2769	4	Engineerin
1,298	28	Mechanica	0,6149	169	Applied Ph	0,1739	4	Engineerin
1,771	28	Mechanica	0,3626	168	Acoustics	0,1758	4	Engineerin
1,084	28	Mechanica	0,5135	15	Materials	0,3243	4	Engineerin
2,779	28	Mechanica	0,7177	15	Materials	0,1675	4	Engineerin
1,215	28	Mechanica	0,6	15	Materials	0,4	4	Engineerin
1,436	28	Mechanica	0,4898	26	Geological	0,2857	4	Engineerin
1,133	28	Mechanica	0,6061	158	Polymers	0,2727	4	Engineerin
1,518	28	Mechanica	0,6395	24	Electrical &	0,0814	4	Engineerin
1,246	28	Mechanica	0,2626	15	Materials	0,2424	4	Engineerin
1,190	28	Mechanica	0,5581	168	Acoustics	0,3488	4	Engineerin
1,849	28	Mechanica	0,6647	25	Environme	0,1118	4	Engineerin
1,417	28	Mechanica	0,6286	14	Energy	0,1571	4	Engineerin
1,307	28	Mechanica	0,6375	169	Applied Ph	0,1875	4	Engineerin
1,635	28	Mechanica	0,8	23	Civil Engine	0,072	4	Engineerin
1,435	28	Mechanica	0,4771	25	Environme	0,2294	4	Engineerin
1,371	28	Mechanica	0,3191	25	Environme	0,2128	4	Engineerin
1,437	28	Mechanica	0,5309	169	Applied Ph	0,2099	4	Engineerin
1,613	28	Mechanica	0,3298	168	Acoustics	0,1809	4	Engineerin
1,421	28	Mechanica	0,6078	164	Applied Ma	0,0882	4	Engineerin
1,713	28	Mechanica	0,6486	15	Materials	0,0811	4	Engineerin
2,675	28	Mechanica	0,6747	14	Energy	0,1566	4	Engineerin
1,262	28	Mechanica	0,6506	14	Energy	0,2169	4	Engineerin
1,551	28	Mechanica	0,1906	169	Applied Ph	0,1906	22	Physics & A
1,248	28	Mechanica	0,5362	15	Materials	0,3188	4	Engineerin
1,448	28	Mechanica	0,1949	16	Nanoscien	0,1471	19	Chemistry
1,320	28	Mechanica	0,3582	15	Materials	0,1702	4	Engineerin
1,404	28	Mechanica	0,4375	23	Civil Engine	0,2656	4	Engineerin
2,507	28	Mechanica	0,3488	172	Fluids & Pl	0,186	4	Engineerin
1,612	28	Mechanica	0,7391	172	Fluids & Pl	0,1304	4	Engineerin
1,453	28	Mechanica	0,4455	15	Materials	0,2426	4	Engineerin
1,741	28	Mechanica	0,5211	164	Applied Ma	0,1408	4	Engineerin
1,292	28	Mechanica	0,5706	15	Materials	0,2373	4	Engineerin
1,287	28	Mechanica	0,3971	164	Applied Ma	0,25	4	Engineerin
2,143	28	Mechanica	0,5588	25	Environme	0,2059	4	Engineerin
1,780	28	Mechanica	0,7619	172	Fluids & Pl	0,0952	4	Engineerin
1,601	28	Mechanica	0,7237	19	Aerospace	0,0987	4	Engineerin
1,276	28	Mechanica	0,1956	169	Applied Ph	0,0933	22	Physics & A
1,420	28	Mechanica	0,8112	22	Chemical E	0,1119	4	Engineerin

1,188	28	Mechanica	0,3654	15	Materials	0,2308	4	Engineerin
1,887	28	Mechanica	0,44	10	Design Pra	0,288	4	Engineerin
1,047	28	Mechanica	0,2311	27	Industrial E	0,0708	4	Engineerin
3,083	28	Mechanica	0,5985	173	General Ph	0,0949	4	Engineerin
1,177	28	Mechanica	0,4884	102	Dentistry	0,1395	4	Engineerin
1,470	28	Mechanica	0,2832	15	Materials	0,2655	4	Engineerin
1,518	28	Mechanica	0,931	23	Civil Engine	0,069	4	Engineerin
1,346	28	Mechanica	0,8861	172	Fluids & Pl	0,0506	4	Engineerin
1,094	28	Mechanica	0,6667	14	Energy	0,2778	4	Engineerin
1,302	28	Mechanica	0,6176	15	Materials	0,2647	4	Engineerin
1,351	28	Mechanica	0,4581	14	Energy	0,0808	4	Engineerin
1,319	28	Mechanica	0,3947	172	Fluids & Pl	0,3421	4	Engineerin
1,311	28	Mechanica	0,7054	22	Chemical E	0,0954	4	Engineerin
1,493	28	Mechanica	0,9672	14	Energy	0,0164	4	Engineerin
2,471	28	Mechanica	0,4155	168	Acoustics	0,2603	4	Engineerin
1,001	28	Mechanica	0,8571	168	Acoustics	0,0714	4	Engineerin
1,440	28	Mechanica	0,7152	21	Biomedica	0,0464	4	Engineerin
2,028	28	Mechanica	0,3401	168	Acoustics	0,1973	22	Physics & A
1,352	28	Mechanica	0,7101	15	Materials	0,1884	4	Engineerin
1,808	28	Mechanica	0,5	15	Materials	0,3889	4	Engineerin
1,399	28	Mechanica	0,2907	15	Materials	0,2326	3	Enabling &
1,556	28	Mechanica	0,8625	23	Civil Engine	0,0375	4	Engineerin
1,334	28	Mechanica	0,373	16	Nanoscien	0,1667	4	Engineerin
1,496	28	Mechanica	0,507	168	Acoustics	0,2535	4	Engineerin
1,277	28	Mechanica	0,8193	14	Energy	0,1566	4	Engineerin
1,301	28	Mechanica	0,225	23	Civil Engine	0,2	4	Engineerin
1,303	28	Mechanica	0,4444	15	Materials	0,2778	4	Engineerin
1,308	28	Mechanica	0,2931	15	Materials	0,2759	3	Enabling &
1,440	28	Mechanica	0,6812	14	Energy	0,255	4	Engineerin
1,678	28	Mechanica	0,66	15	Materials	0,16	4	Engineerin
1,696	28	Mechanica	0,4667	15	Materials	0,1556	4	Engineerin
1,644	28	Mechanica	0,9767	172	Fluids & Pl	0,0233	4	Engineerin
2,195	28	Mechanica	0,3294	19	Aerospace	0,2	4	Engineerin
1,388	28	Mechanica	0,292	31	Artificial In	0,228	4	Engineerin
1,711	28	Mechanica	0,5804	169	Applied Ph	0,1429	4	Engineerin
1,300	28	Mechanica	0,5217	19	Aerospace	0,1522	4	Engineerin
1,529	28	Mechanica	0,2264	171	Chemical P	0,1509	22	Physics & A
1,851	28	Mechanica	0,4533	171	Chemical P	0,2267	4	Engineerin
1,752	28	Mechanica	0,3333	21	Biomedica	0,2778	4	Engineerin
1,671	28	Mechanica	0,3158	15	Materials	0,2632	3	Enabling &
1,529	28	Mechanica	0,6343	164	Applied Ma	0,1418	4	Engineerin
1,609	28	Mechanica	0,619	15	Materials	0,1667	4	Engineerin
2,150	28	Mechanica	0,8118	15	Materials	0,1765	4	Engineerin
1,786	28	Mechanica	0,5345	15	Materials	0,3793	4	Engineerin
1,661	28	Mechanica	0,6364	22	Chemical E	0,0826	4	Engineerin
1,638	28	Mechanica	0,7835	4	Food Scien	0,0722	4	Engineerin
1,626	28	Mechanica	0,4198	172	Fluids & Pl	0,3086	4	Engineerin
1,511	28	Mechanica	0,7483	158	Polymers	0,0839	4	Engineerin
1,531	28	Mechanica	0,4167	16	Nanoscien	0,1333	4	Engineerin
1,657	28	Mechanica	0,76	15	Materials	0,14	4	Engineerin
2,570	28	Mechanica	0,4335	169	Applied Ph	0,2486	4	Engineerin

1,832	28	Mechanica	0,4859	19	Aerospace	0,1525	4	Engineerin
1,559	28	Mechanica	0,4393	169	Applied Ph	0,2428	4	Engineerin
1,602	28	Mechanica	0,5514	14	Energy	0,1299	4	Engineerin
1,100	28	Mechanica	0,44	15	Materials	0,1467	4	Engineerin
1,556	28	Mechanica	0,5605	15	Materials	0,2735	4	Engineerin
1,602	28	Mechanica	0,5324	164	Applied Ma	0,1367	4	Engineerin
1,600	28	Mechanica	0,3772	15	Materials	0,2719	4	Engineerin
1,982	28	Mechanica	0,7019	14	Energy	0,0673	4	Engineerin
1,411	28	Mechanica	0,2748	169	Applied Ph	0,2387	4	Engineerin
1,874	28	Mechanica	0,661	19	Aerospace	0,2034	4	Engineerin
4,006	28	Mechanica	0,8175	15	Materials	0,1241	4	Engineerin
2,886	28	Mechanica	0,4118	22	Chemical E	0,2549	4	Engineerin
4,419	28	Mechanica	0,7336	15	Materials	0,2196	4	Engineerin
1,553	28	Mechanica	0,2611	83	General Sc	0,2526	4	Engineerin
2,028	28	Mechanica	0,4444	169	Applied Ph	0,1696	4	Engineerin
1,753	28	Mechanica	0,6738	14	Energy	0,1702	4	Engineerin
1,736	28	Mechanica	0,3421	164	Applied Ma	0,25	4	Engineerin
3,254	28	Mechanica	0,438	168	Acoustics	0,2066	4	Engineerin
1,897	28	Mechanica	0,5197	172	Fluids & Pl	0,3465	4	Engineerin
2,206	28	Mechanica	0,5135	26	Geological	0,2162	4	Engineerin
1,745	28	Mechanica	0,4916	31	Artificial In	0,0838	4	Engineerin
1,845	28	Mechanica	0,4706	168	Acoustics	0,1261	4	Engineerin
2,240	28	Mechanica	0,5	15	Materials	0,3125	4	Engineerin
1,428	28	Mechanica	0,4904	15	Materials	0,25	4	Engineerin
2,493	28	Mechanica	0,3333	169	Applied Ph	0,2262	22	Physics & A
1,675	28	Mechanica	0,3185	172	Fluids & Pl	0,2778	4	Engineerin
2,288	28	Mechanica	0,4021	15	Materials	0,3608	4	Engineerin
1,939	28	Mechanica	0,4091	173	General Ph	0,2273	4	Engineerin
2,172	28	Mechanica	0,3435	164	Applied Ma	0,1145	4	Engineerin
1,797	28	Mechanica	0,419	168	Acoustics	0,1429	4	Engineerin
1,861	28	Mechanica	0,7625	15	Materials	0,1375	4	Engineerin
1,543	28	Mechanica	0,4112	16	Nanoscien	0,1776	4	Engineerin
2,030	28	Mechanica	0,2778	15	Materials	0,246	4	Engineerin
2,964	28	Mechanica	0,8889	15	Materials	0,037	4	Engineerin
1,731	28	Mechanica	0,5	15	Materials	0,2698	4	Engineerin
2,630	28	Mechanica	0,4455	164	Applied Ma	0,3762	21	Mathemat
2,001	28	Mechanica	0,4327	15	Materials	0,2885	4	Engineerin
1,664	28	Mechanica	0,4202	169	Applied Ph	0,2353	4	Engineerin
1,710	28	Mechanica	0,3471	172	Fluids & Pl	0,2231	4	Engineerin
1,733	28	Mechanica	0,46	164	Applied Ma	0,23	4	Engineerin
2,302	28	Mechanica	0,3934	15	Materials	0,3197	4	Engineerin
2,648	28	Mechanica	0,4831	15	Materials	0,2303	4	Engineerin
2,136	28	Mechanica	0,3667	172	Fluids & Pl	0,2222	4	Engineerin
1,692	28	Mechanica	0,5676	166	Numerical	0,1892	4	Engineerin
2,836	28	Mechanica	0,1779	164	Applied Ma	0,1255	4	Engineerin
2,612	28	Mechanica	0,3404	18	Strategic, D	0,2766	4	Engineerin
2,339	28	Mechanica	0,6364	15	Materials	0,1364	4	Engineerin
2,944	28	Mechanica	0,3103	16	Nanoscien	0,2759	4	Engineerin
4,543	28	Mechanica	0,3865	15	Materials	0,3374	4	Engineerin

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