

Piechnik, D. E., Martinez, N. D. and Lawler, S. P. 2008. Food-web assembly during a classic biogeographic study: species' "trophic breadth" corresponds to colonization order. – Oikos 117: 665–674.

Appendix 1. Species list published in Simberloff and Wilson (1969, 1970) with super-generalist taxa denoted by*.

Taxon ID no.	Order	Family	Genus	Species
1	Acarina	Acaridae	<i>Rhizoglyphus</i>	<i>callae</i>
2	Acarina	Acaridae	<i>Tyrophagus</i>	<i>putrescentiae</i>
4	Acarina	Ascidae	<i>Asca</i>	sp.
5	Acarina	Ascidae	<i>Arctoseius</i>	sp.
6	Acarina	Ascidae	<i>Lasioseius</i>	sp.
7	Acarina	Ascidae	<i>Melichares</i>	sp.
8	Acarina	Ascidae	<i>Proctolaelaps</i>	<i>hypudaei</i>
9	Acarina	Ascidae	<i>Proctolaelaps</i>	<i>pygmaeus</i>
10	Acarina	Bdellidae	<i>Bdella</i>	sp.
11	Acarina	Bdellidae	Gen.	sp.
12	Acarina	Carpoglyphidae	<i>Carpoglyphus</i>	<i>lactis</i>
13	Acarina	Cheyletidae	<i>Cheyletia</i>	<i>wellsi</i>
18	Acarina	Erythraeidae	<i>Sphaerolophus</i>	sp.
19	Acarina	Eupodidae	<i>Eupodes</i>	sp. nr. <i>fusifer</i>
271	Acarina	Eupodidae	<i>Eupodes</i>	sp.
20	Acarina	Galumnidae	<i>Galumna</i>	sp.
21	Acarina	Orbatulidae	<i>Scheloribates</i>	sp.
22	Acarina	Phytoseiidae	<i>Amblyseius</i>	sp.
24	Acarina	Tetranychidae	<i>Tetranychus</i>	sp.
26	Acarina	Tydeidae	<i>Triphytdeus</i>	sp.
27	Acarina	VeigaIIDAE	<i>Veigaia</i>	sp.
29	Araneae	Araneidae	<i>Argirope</i>	<i>argentata</i>
30	Araneae	Araneidae	<i>Eriophora</i>	sp.
31	Araneae	Araneidae	<i>Eustala</i>	sp.
32	Araneae	Araneidae	<i>Eustala</i>	sp. 1
33	Araneae	Araneidae	<i>Eustala</i>	sp. 2
34	Araneae	Araneidae	<i>Gasteracantha</i>	<i>ellipsoides</i>
35	Araneae	Araneidae	Gen.	sp.
36	Araneae	Araneidae	<i>Mangora</i>	sp.
37	Araneae	Araneidae	<i>Metepeira</i>	<i>labyrinthica</i>
38	Araneae	Araneidae	<i>Nephila</i>	<i>clavipes</i>
39	Araneae	Anyphaenidae	<i>Anyphaena</i>	sp.
40	Araneae	Clubionidae	<i>Aysha</i>	<i>velox</i>
41	Araneae	Clubionidae	<i>Aysha</i>	sp.
42	Araneae	Clubionidae	Gen.	sp. 1
43	Araneae	Dictynidae	<i>Dictyna</i>	sp.
44*	Araneae	Gnaphosidae	<i>Gnaphosa</i>	sp.
45*	Araneae	Gnaphosidae	<i>Sergiolus</i>	sp.
46*	Araneae	Linyphiidae	<i>Meioneta</i>	sp.
47	Araneae	Piratidae	<i>Pirata</i>	sp.
48	Araneae	Pisauridae	<i>Dolomedes</i>	sp.
49*	Araneae	Salticidae	<i>Ballus</i>	sp.
275*	Araneae	Salticidae	<i>Hentzia</i>	<i>grenada</i>
50*	Araneae	Salticidae	<i>Hentzia</i>	<i>palmarum</i>
51*	Araneae	Salticidae	<i>Maevia</i>	<i>vittata</i>
52*	Araneae	Salticidae	<i>Platycryptus</i>	<i>undata</i>
53*	Araneae	Salticidae	<i>Paraphidippus</i>	<i>flavus</i>
54*	Araneae	Salticidae	<i>Stoidis</i>	<i>aurata</i>

55*	Araneae	Salticidae	Gen.	sp. 11
274*	Araneae	Salticidae	Gen.	sp.
56	Araneae	Segestriidae	<i>Ariadna</i>	<i>arthuri</i>
57*	Araneae	Scytodidae	<i>Scytodes</i>	sp.
58	Araneae	Tetragnathidae	<i>Leucauge</i>	<i>venusta</i>
59	Araneae	Tetragnathidae	<i>Tetragnatha</i>	<i>antillana</i>
60	Araneae	Tetragnathidae	<i>Tetragnatha</i>	sp.
61	Araneae	Tetragnathidae	<i>Tetragnatha</i>	sp. 2
62	Araneae	Theridiidae	<i>Argyrodes</i>	<i>nephilae</i>
63	Araneae	Theridiidae	<i>Theridion</i>	<i>adamsoni</i>
64	Araneae	Theridiidae	<i>Theridion</i>	<i>atropunctatum</i>
65	Araneae	Theridiidae	<i>Theridion</i>	sp.
66	Araneae	Theridiidae	Gen.	sp.
67	Araneae	Thomisidae	<i>Misumenops</i>	sp.
68	Araneae	Uloboridae	<i>Uloborus</i>	sp.
70	Chelonethida	Cheliferidae	<i>Tyrannocheilifer</i>	n. sp.
71	Chilopoda	Oryidae	<i>Orphnaeus</i>	<i>brasilianus</i>
72	Coleoptera	Anobiidae	<i>Cryptorama</i>	<i>minutum</i>
73	Coleoptera	Anobiidae	<i>Tricorynus</i>	sp.
74	Coleoptera	Anthicidae	<i>Sapintus</i>	<i>fulvipes</i>
75	Coleoptera	Anthicidae	<i>Vacusus</i>	<i>vicus</i>
76	Coleoptera	Anthicidae	Gen.	sp.
77	Coleoptera	Buprestidae	<i>Actenodes</i>	<i>auronotata</i>
78	Coleoptera	Buprestidae	<i>Chrysobothris</i>	<i>sexfasciatus</i>
79	Coleoptera	Buprestidae	<i>Chrysobothris</i>	<i>trannebarica</i>
276	Coleoptera	Buprestidae	<i>Chrysobothris</i>	sp.
80	Coleoptera	Buprestidae	Gen.	sp.
81*	Coleoptera	Cantharidae	<i>Chauliognathus</i>	<i>marginatus</i>
82	Coleoptera	Cerambycidae	<i>Ataxia</i>	sp.
83	Coleoptera	Cerambycidae	<i>Leptostylus</i>	sp.
84	Coleoptera	Cerambycidae	<i>Styloleptus</i>	<i>biustus</i>
277	Coleoptera	Cerambycidae	<i>Styloleptus</i>	sp.
85	Coleoptera	Chrysomelidae	Gen.	sp.
86	Coleoptera	Cucujidae	Gen.	sp.
87	Coleoptera	Curculionidae	<i>Cryptorhynchus</i>	<i>minutissimus</i>
88	Coleoptera	Curculionidae	<i>Cryptorhynchus</i>	sp.
89	Coleoptera	Curculionidae	<i>Pseudoacalles</i>	sp.
90	Coleoptera	Curculionidae	Gen	sp.
91*	Coleoptera	Lampyridae	<i>Micronaspis</i>	<i>floridana</i>
92	Coleoptera	Lathridiidae	<i>Holoparamecus</i>	sp.
93	Coleoptera	Lathridiidae	<i>Melanophthalma</i>	<i>floridana</i>
94	Coleoptera	Oedemeridae	<i>Copidita</i>	<i>suturalis</i>
95	Coleoptera	Oedemeridae	<i>Oxacis</i>	sp.
96	Coleoptera	Oedemeridae	<i>Oxycopis</i>	sp.
97	Coleoptera	Oedemeridae	Gen.	sp.
98	Coleoptera	Scolytidae	<i>Poecilips</i>	<i>rhizophorae</i>
99	Coleoptera	Scolytidae	<i>Trischidias</i>	<i>atoma</i>
278	Coleoptera	Scolytidae	<i>Trischidias</i>	<i>minutissima</i>
100	Coleoptera	Scydmaenidae	Gen.	sp.
102	Collembola	Poduridae	Gen.	sp.
103	Psocoptera	Archipsocidae	<i>Archipsocus</i>	<i>panama</i>
104	Psocoptera	Caeciliidae	<i>Caecilius</i>	sp. n-b
105	Psocoptera	Caeciliidae	<i>Caecilius</i>	sp. np
279	Psocoptera	Caeciliidae	<i>Caecilius</i>	<i>subflavus</i>
280	Psocoptera	Caeciliidae	<i>Caecilius</i>	<i>flavidus</i>
106	Psocoptera	Lachesillidae	<i>Lachesilla</i>	n. sp.
107	Psocoptera	Lepidopsocidae	<i>Echmepteryx</i>	<i>hageni b</i>
108	Psocoptera	Liposcelidae	<i>Belaphotroctes</i>	<i>bodonelli</i>
109	Psocoptera	Liposcelidae	<i>Embidopsocus</i>	<i>laticeps</i>
110	Psocoptera	Liposcelidae	<i>Liposcelis</i>	<i>bostrychophilus</i>
111	Psocoptera	Liposcelidae	<i>Liposcelis</i>	not <i>bostrychophilus</i>
112	Psocoptera	Liposcelidae	Gen.	sp.
113	Psocoptera	Myopsocidae	<i>Lichenomima</i>	sp. b.
114	Psocoptera	Myopsocidae	Gen.	sp.

115	Psocoptera	Peripsocidae	<i>Ectopsocuspis</i>	<i>cryptomeriae</i>
116	Psocoptera	Peripsocidae	<i>Ectopsocus</i>	<i>maindroni</i>
117	Psocoptera	Peripsocidae	<i>Ectopsocus</i>	sp.
118	Psocoptera	Peripsocidae	<i>Ectopsocus</i>	sp. b
119	Psocoptera	Peripsocidae	<i>Ectopsocus</i>	sp. c
120	Psocoptera	Peripsocidae	<i>Peripsocus</i>	<i>pauliani</i>
121	Psocoptera	Peripsocidae	<i>Peripsocus</i>	<i>stagnivagus</i>
122	Psocoptera	Peripsocidae	<i>Peripsocus</i>	sp.
123	Psocoptera	Peripsocidae	<i>Peripsocus</i>	sp. b
124	Psocoptera	Peripsocidae	<i>Peripsocus</i>	sp. c
125	Psocoptera	Psocidae	<i>Indopsocus</i>	<i>texanus</i>
126	Psocoptera	Psocidae	<i>Psocidus</i>	sp. nr. <i>bisignatus</i>
127	Psocoptera	Psocidae	<i>Psocidus</i>	sp.1
128	Psocoptera	Psocidae	<i>Psocidus</i>	sp.2
129	Psocoptera	Trogiomorpha	Gen.	sp.
130	Dermoptera	Labiduridae	<i>Labidura</i>	<i>riparia</i>
131	Diplopoda	Polyxenidae	<i>Lophoproctinus</i>	<i>bartschi</i>
281	Diplopoda	Polyxenidae	<i>Lophoproctinus</i>	sp.
132	Diptera	Cecidomyiidae	Gen.	sp.
136	Diptera	Syrphidae	Gen.	sp.
141	Embioptera	Teratombiidae	<i>Diradius</i>	<i>caribbeana</i>
142	Embioptera	Teratombiidae	Gen.	sp.
143	Hemiptera	Acanaloniiidae	<i>Acanalonia</i>	<i>latifrons</i>
144	Homoptera	Aleyrodidae	<i>Aleyrothrixus</i>	sp.
145	Homoptera	Aleyrodidae	<i>Paraleyrodes</i>	sp. 1
146	Homoptera	Aleyrodidae	<i>Paraleyrodes</i>	sp. 2
283	Homoptera	Aleyrodidae	<i>Paraleyrodes</i>	sp.
147	Homoptera	Aleyrodidae	<i>Tetraleurodes</i>	sp.
148*	Hemiptera	Anthocoridae	<i>Dufouriellus</i>	afer
149	Hemiptera	Anthocoridae	<i>Orius</i>	sp.
284	Hemiptera	Anthocoridae	Gen.	sp.
150	Homoptera	Cicadellidae	<i>Scaphytopius</i>	sp.
151	Hemiptera	Cixiidae	<i>Oliarus</i>	sp.
152	Hemiptera	Cixiidae	Gen.	sp.
153	Homoptera	Coccidae	<i>Ceroplastes</i>	sp.
154	Hemiptera	Flatidae	<i>Flatoidinus</i>	<i>punctatus</i>
155	Hemiptera	Lygaeidae	<i>Blissus</i>	<i>insularis</i>
156	Hemiptera	Lygaeidae	Gen.	sp. 2
157	Hemiptera	Membracidae	Gen.	sp.
158	Hemiptera	Miridae	<i>Psallus</i>	<i>conspurcatus</i>
285	Hemiptera	Miridae	Gen.	sp.
159	Hemiptera	Nabidae	<i>Carthasis</i>	<i>decoratus</i>
160	Hemiptera	Nabidae	<i>Metatropiphorus</i>	<i>belfragei</i>
161	Hemiptera	Pentatomidae	<i>Oebalus</i>	<i>pugnax</i>
162	Homoptera	Pseudococcidae	<i>Pseudococcus</i>	sp.
163	Hemiptera	Tropiduchidae	<i>Neurotmeta</i>	<i>breviceps</i>
165	Hymenoptera	Apocrita	Gen.	sp.
166	Hymenoptera	Bethylidae	<i>Cephalonomia</i>	<i>waterstoni</i>
167	Hymenoptera	Bethylidae	<i>Nesepyrus</i>	<i>floridanus</i>
168	Hymenoptera	Bethylidae	<i>Scleroderma</i>	<i>macrogaster</i>
169	Hymenoptera	Bethylidae	Gen.	sp.
170*	Hymenoptera	Braconidae	<i>Apanteles</i>	<i>hemileucae</i>
171*	Hymenoptera	Braconidae	<i>Apanteles</i>	<i>marginiventris</i>
172*	Hymenoptera	Braconidae	<i>Callihormius</i>	<i>bifasciatus</i>
173	Hymenoptera	Braconidae	<i>Ecphyllus</i>	n. sp. nr. <i>chramesi</i>
174*	Hymenoptera	Braconidae	<i>Heterospilus</i>	sp.
175*	Hymenoptera	Braconidae	<i>Iphiaulax</i>	<i>epicus</i>
176*	Hymenoptera	Braconidae	<i>Macrocentrus</i>	sp.
177*	Hymenoptera	Braconidae	Gen.	sp.
178	Hymenoptera	Chalcedectidae	<i>Euchryisia</i>	sp.
179	Hymenoptera	Chalcidae	<i>Brachymeria</i>	<i>psyche</i>
180	Hymenoptera	Chalcidae	Gen.	sp.
181	Hymenoptera	Chalcidae	Gen.	sp. 1
182	Hymenoptera	Chalcidae	Gen.	sp. 2

183	Hymenoptera	Chalcidae	Gen.	sp. 3
184	Hymenoptera	Chalcidae	Gen.	sp. 4
185*	Hymenoptera	Encyrtidae	<i>Ooencyrtus</i>	<i>submetallicus</i>
186*	Hymenoptera	Encyrtidae	Gen.	sp.
187*	Hymenoptera	Eulophidae	<i>Entedontini</i>	sp.
188*	Hymenoptera	Eulophidae	<i>Euderus</i>	sp.
189	Hymenoptera	Eulophidae	<i>Melittobia</i>	<i>chalybii</i>
190	Hymenoptera	Eumenidae	<i>Pachodynerus</i>	<i>nasidens</i>
191	Hymenoptera	Eupelmidae	<i>Metapelma</i>	<i>schwarzi</i>
192	Hymenoptera	Eupelmidae	<i>Neanastatus</i>	sp.
193	Hymenoptera	Eupelmidae	Gen.	sp.
194	Hymenoptera	Eupelmidae	Gen.	sp. 1
195	Hymenoptera	Eupelmidae	Gen.	sp. 2
196*	Hymenoptera	Formicidae	<i>Brachymyrmex</i>	sp.
197*	Hymenoptera	Formicidae	<i>Camponotus</i>	<i>floridanus</i>
198*	Hymenoptera	Formicidae	<i>Camponotus</i>	<i>planatus</i>
199*	Hymenoptera	Formicidae	<i>Camponotus</i>	<i>tortuganus</i>
200*	Hymenoptera	Formicidae	<i>Camponotus</i>	sp.
201*	Hymenoptera	Formicidae	<i>Colobopsis</i>	sp.
202*	Hymenoptera	Formicidae	<i>Crematogaster</i>	<i>ashmeadi</i>
203*	Hymenoptera	Formicidae	<i>Crematogaster</i>	<i>atkinsoni</i>
204*	Hymenoptera	Formicidae	<i>Hypoponera</i>	<i>opacior</i>
205*	Hymenoptera	Formicidae	<i>Monomorium</i>	<i>floricola</i>
206*	Hymenoptera	Formicidae	<i>Zacryptocerus</i>	<i>varians</i>
207*	Hymenoptera	Formicidae	<i>Paratrechina</i>	<i>bourbonica</i>
208*	Hymenoptera	Formicidae	<i>Pseudomyrmex</i>	<i>elongates</i>
209*	Hymenoptera	Formicidae	<i>Pseudomyrmex</i>	" <i>flavidula</i> "
210*	Hymenoptera	Formicidae	<i>Tapinoma</i>	<i>littorale</i>
211*	Hymenoptera	Formicidae	<i>Xenomyrmex</i>	<i>floridanus</i>
212*	Hymenoptera	Formicidae	Gen.	sp.
213*	Hymenoptera	Ichneumonidae	<i>Calliephialtes</i>	<i>ferrugineus</i>
286	Hymeoptera	Ichneumonidae	<i>Calliephialtes</i>	sp.
214*	Hymenoptera	Ichneumonidae	<i>Casinaria</i>	<i>grandis</i>
287	Hymeoptera	Ichneumonidae	Gen.	sp.
216*	Hymenoptera	Scelionidae	<i>Probaryconus</i>	sp.
217*	Hymenoptera	Scelionidae	<i>Telonemus</i>	sp.
218	Hymenoptera	Sphecidae	<i>Trypoxylon</i>	<i>collinum</i>
219	Hymenoptera	Vespidae	<i>Polistes</i>	sp.
220	Hymenoptera	Vespidae	Gen.	sp.
221	Isopoda	Oniscidae	<i>Rhyscotus</i>	sp.
222	Isoptera	Kalotermitidae	<i>Kalotermes</i>	<i>jouteli</i>
223	Isoptera	Kalotermitidae	<i>Neotermes</i>	<i>castaneus</i>
224	Lepidoptera	Eucleidae	<i>Alarodia</i>	<i>slossoniae</i>
225	Lepidoptera	Geometridae	<i>Oxydia</i>	sp.
226	Lepidoptera	Geometridae	Gen.	sp.
227	Lepidoptera	Hesperiidae	<i>Phocides</i>	<i>pigmalion</i>
228	Lepidoptera	Lymantriidae	<i>Orgygia</i>	<i>detrita</i>
229	Lepidoptera	Noctuidae	<i>Melipotis</i>	sp.
230	Lepidoptera	Tortricidae	<i>Ecdytolopha</i>	sp.
231	Lepidoptera	Pyralidae	<i>Bema</i>	<i>ydda</i>
232	Lepidoptera	Psychidae	<i>Oiketicus</i>	<i>abbotti</i>
233	Lepidoptera	Tineidae	<i>Nemapogon</i>	sp.
234	Lepidoptera	Pyralidae	<i>Tholeria</i>	<i>reversalis</i>
235	Lepidoptera	Pyralidae	Gen.	sp.
236	Lepidoptera	Pyralidae	Gen.	sp1.
237	Lepidoptera	Saturniidae	<i>Automeris</i>	<i>io</i>
239	Neuroptera	Chrysopidae	<i>Chrysopa</i>	<i>collaris</i>
240	Neuroptera	Chrysopidae	<i>Chrysopa</i>	<i>externa</i>
241	Neuroptera	Chrysopidae	<i>Chrysopa</i>	<i>rufilabris</i>
243	Orthoptera	Blattidae	<i>Aglaopteryx</i>	sp.
244	Orthoptera	Blattidae	<i>Latiblattella</i>	n. sp.
245	Orthoptera	Blattidae	<i>Latiblatella</i>	<i>rehni</i>
246	Orthoptera	Gryllidae	<i>Cycloptilum</i>	<i>spectabile</i>
247	Orthoptera	Gryllidae	<i>Cycloptilum</i>	sp.

248	Orthoptera	Gryllidae	<i>Cyrtoxiphia</i>	<i>confusa</i>
249	Orthoptera	Gryllidae	<i>Cyrtoxiphia</i>	Sp.
250	Orthoptera	Gryllidae	<i>Orocharis</i>	<i>gryllodes</i>
251	Orthoptera	Gryllidae	<i>Orocharis</i>	sp.
252	Orthoptera	Gryllidae	<i>Tafalisca</i>	<i>lurida</i>
253	Orthoptera	Tettigoniidae	<i>Trupilia</i>	<i>rostrata</i>
255	Pauropoda	No Family Name	Gen.	sp.
257	Thysanoptera	Phlaeothripidae	<i>Liothrips</i>	n. sp.
258	Thysanoptera	Phlaeothripidae	<i>Neurothrips</i>	<i>magnafemoralis</i>
262	Thysanura	Lepismidae	<i>Lepisma</i>	sp.
263	Mytales	Rhizophoraceae	<i>Rhizophora</i>	<i>mangle</i>
264	Detritus			
265	Algae			
266	Fungus			
269	Lichens			

Appendix 2. Predator-prey matrix for arthropod species using data published in Simberloff and Wilson (1969, 1970).

1 263
 2 153,263,70
 4 1,2,4–13,18–22,24,26,27,271,221,255,70,102, 222, 223,98, 103–129,144–147,185–189,257–259,92,93,283,279,280,153
 5 1,2,4–13,18–22,24,26,27,271,221,255,70,102, 222, 223,98, 103–129,144–147,185–189,257–259,92,93,283,279,280,153
 6 1,2,4–13,18–22,24,26,27,271,221,255,70,102, 222, 223,98, 103–129,144–147,185–189,257–259,92,93,283,279,280,153
 7 1,2,4–13,18–22,24,26,27,271,221,255,70,102, 222, 223,98, 103–129,144–147,185–189,257–259,92,93,283,279,280,153
 8 1,2,4–13,18–22,24,26,27,271,221,255,70,102, 222, 223,98, 103–129,144–147,185–189,257–259,92,93,283,279,280,153
 9 1,2,4–13,18–22,24,26,27,271,221,255,70,102, 222, 223,98, 103–129,144–147,185–189,257–259,92,93,283,279,280,153
 10 1,2,4–13,18–22,24,26,27,271,221,255,70,102, 222, 223,98, 103–129,144–147,185–189,257–259,92,93,283,279,280,153
 11 1,2,4–13,18–22,24,26,27,271,221,255,70,102, 222, 223,98, 103–129,144–147,185–189,257–259,92,93,283,279,280,153
 12 263
 13 1,2,4–13,18–22,24,26,27,271,221,255,70,102, 222, 223,98, 103–129,144–147,185–189,257–259,92,93,283,279,280,153
 18 153,246–253,70,72–100,229,274–275,29–68,221,255,1,2,4–13,18–22,24,26,27,271
 19 1,2,4–13,18–22,24,26,27,271,221,255,70,102, 222, 223,98, 103–129,144–147,185–189,257–259,92,93,283,279,280,153
 271 1,2,4–13,18–22,24,26,27,271,221,255,70,102, 222, 223,98, 103–129,144–147,185–189,257–259,92,93,283,279,280,153
 20 70,144–148,153,162
 21 263,266
 22 1,2,4–13,18–22,24,26,27,271,255, 257–259,262,131,281
 24 263
 26 263,1,2,4–13,18–22,24,26,27,271
 27 1,2,4–13,18–22,24,26,27,271,221,255,70,102, 222, 223,98, 103–129,144–147,185–189,257–259,92,93,279,280,153,144–
 147,283,262
 29 243–253,224–237,239–241,219–220,213,214,286,190,156,154,136,130,82–84,76,77–80,276–278,49–55,72–93,97–
 100,166–195,213–220,243–245,224–237,72–100,132,148–149,284,155–161,285
 30 237,243,225–229,231,232,233,253,237
 31 243–253,239–241,224–237,218–220,213,214,286,190,154,136,130,91,82–84,76,77–80,276,49–55,165,190,234–237
 32 243–253,239–241,224–237,218–220,213,214,286,190,154,136,130,91,82–84,76,77–80,276,49–55,165,190,234–237
 33 243–253,239–241,224–237,218–220,213,214,286,190,154,136,130,91,82–84,76,77–80,276,49–55,165,190,234–237
 34 72–76,86–93,97–100,278,103–129,279–280,132,141–142,144–153,157–158,162,283–285,165–189,191–195,213,214,
 216,217,286–287,257–259
 35 72–80,86–93,97–100,276–278,103–129,279–280,132,141–142,144–153,157–158,162,283–285,165–189,191–195,213,
 214,216,217,286–287,257–259,246–249
 36 72–80,86–93,97–100,276–278,103–129,279–280,132,141–142,144–153,157–158,162,283–285,165–189,191–195,213,
 214,216,217,286–287,257–259,246–249
 37 72–80,86–93,97–100,276–278,103–129,279–280,132,141–142,144–153,157–158,162,283–285,165–189,191–195,213,
 214,216–217,286–287,257–259,246–249
 38 72–76,86–93,97–100,278,103–129,279–280,132,141–142,144–153,157–158,162,283–285,165–189,191–193,213,214,
 216–217,286–287,257–259,246–249
 39 72–81,86–91,94–97,276–278,70,71,136,141–142,143,150–152,154,157–161,163,285,178–184,190,213,214,220,286–
 287,222–223,225–226,230–233,235–236,239–241,243–251,262,29
 40 72–81,86–91,94–97,276–278,70,71,136,141–142,143,150–152,154,157–161,163,285,178–184,190,213–214,220,286–
 287,222–223,225–226,230–233,235–236,239–241,243–251,262,29
 41 72–81,86–91,94–97,276–278,70,71,136,141–142,143,150–152,154,157–161,163,285,178–184,190,213–214,220,286–
 287,222–223,225–226,230–233,235–236,239–241,243–251,262,29
 42 72–81,86–91,94–97,276–278,70,71,136,141–142,143,150–152,154,157–161,163,285,178–184,190,213–214,220,286–
 287,222–223,225–226,230–233,235–236,239–241,243–251,262,29
 43 72–76,86–93,97–100,278,103–129,279–280,132,141–142,144–153,157–158,162,283–285,165–189,191–195,213–
 214,216–217,286–287,257–259,239–241
 44 31–33,36–37,39,43,44,46–50,54–68,70–84,86–100,274–280,102–129,132,141–154,157–160,162,283–285,165–189,
 191–195,213,214,216–217,286–287,255,190,220–223,225–226,230–236,239–241,163,243–251,262
 45 31–33,36–37,39,43,44,46–50,54–55,57–68,70–84,86–90,92–93,97–100,102–129,274–280,132,141–153,157–160,162,
 283–285,165–189,191–195,213,214,216–217,286–287,255,190,222–223,225–226,230–236,239–
 241,163,220,243–251,262
 46 1,2,4–13,18–22,24,26,27,271,43,49,63–66,68,70–80,92–93,98–129,131,81,132,144–153,165–195,203,205,207,210,211,
 214,216–217,221,255,257–259,278–281,283,284,286–287
 47 72–80,86–93,97–100,276,278,103–129,279–280,132,141–142,144–153,157–158,162,283–285,165–189,191–195,213,
 214,216–217,286–287,257–259,246–249
 48 29–30,38,48,77–80,82–84,91,276,130,156,165,190,218–220,224–232,234–237,239–241,250–253,81,86,94–96,277,136,
 70,71,85,97,278,141–143,150–152,154,157–160,163,285,178–184,204,206,209,211–214,220,286–287,222–223,243–
 249
 49 70–76,86,92–93,98–100,102–129,144–153,155–156,165–189,191–195,213,214,216,217,257–259,262,278–281,283–
 286,72–91,94–99,276,277,131–132,136,141–142,178–184,190,221–223,225–226,230–236,239–241,243

	252,254,81,170–171,205,29,59–61
275	243–252,254,131,221,243–245,262,257–259,70,239–241,81,170–171,205,29,59–61,86–90,92–93,97–100,276–278,279–280,132,141–142,165–189,191–195,86–93,97–100,276,278,144–153,157–158,162,283–285,213,214,216–217,286–287,246–249,91,136,190,222–223,225–226,230–236,70–76,86,102–129,165–189,72–91,94–99,178–184
50	243–252,254,131,221,243–245,262,257–259,70,239–241,81,170–171,205,29,59–61,86–90,92–93,97–100,276–278,279–280,132,141–142,165–189,191–195,86–93,97–100,276,278,144–153,157–158,162,283–285,213,214,216–217,286–287,246–249,91,136,190,222–223,225–226,230–236,70–76,86,102–129,165–189,72–91,94–99,178–184
51	225–236,70–100,102–129,165–189,190–195,213,214,216–217,257–259,262,276–280,239–241,29–37,39–42,44–45,48,50–56,59–61,67,274–278,132,136,163,243–251,162,283–287,246–249,190–195,254,131,220–223,205
52	243–252,254,70,239–241,81,170–171,205,59–61,72–84,97–100,103–129,276–280,165–189,190–195,257–259,262,283–287,86–97,276,162,29–37,39–42,44–45,48,50–56,67,274–278,136,141–154,157–160,163,213,214,216–217,220,221–226,243–251,130,225–236
53	243–252,254,70,239–241,81,170–171,205,59–61,72–84,97–100,103–129,276–280,165–189,190–195,257–259,262,283–287,86–97,276,162,29–37,39–42,44–45,48,50–56,67,274–278,136,141–154,157–160,163,213,214,216–217,220,221–226,243–251,130,225–236
54	243–252,254,70,239–241,81,170–171,205,59–61,72–84,97–100,103–129,276–280,165–189,190–195,257–259,262,283–287,86–97,276,162,29–37,39–42,44–45,48,50–56,67,274–278,136,141–154,157–160,163,213,214,216–217,220,221–226,243–251,130,225–236
55	243–252,254,131,281,221,262,257–259,70,239–241,81,170–171,205,29,59–61,72–84,97–100,276–278,103–129,278–280,132,141–142,165–189,191–195,86–97,276,162,29–37,39–42,44–45,48,50–56,67,274–278,136,141–154,157–160,163,213,214,216–217,286–287,246–249,136,190,222–223,225–226,230–236
274	72–84,86–100,276–278,103–129,278–280,131–132,141–142,165–189,191–195,257–259,276,278,144–153,157–158,162,283–287,213,214,216–217,190,222–223,225–226,230–236,239–241,243–252,254,281,221,262,70,239–241,81,170–171,205,29,59–61
56	77–80,82–84,91,276,130,156,71,131,281,141–142,221,246,249,262,70
57	243–252,254,221–223,70,81,170–171,205,29,59–61,72–100,103–129,279–280,131–132,141–143,165–195,257–259,262,72–80,276–278,144–153,283–287,213,214,216–217,246–249,239–241,29–37,39–42,44–45,48,50–56,59–61,67,274–278,157–163,239–241,243–251,130,225–236,281,196–212
58	131,221,239–241,243,244,245,262,70,144–154,162,283–285,132,257–259,262,132,103–129,279–280,72–76,85–93,98–100,141–142,155–158,162,283–285,246–249
59	131,221,239–241,243,244,245,262,70,144–154,162,283–285,257–259,132,103–129,279–280,72–76,85–93,98–100,141–142,155–158,162,283–285,246–249
60	131,221,239–241,243,244,245,262,70,144–154,162,283–285,132,257–259,103–129,278–280,72–76,85–93,98–100,141–142,155–158,162,283–285,246–249
61	131,221,239–241,243,244,245,262,70,144–154,162,283–285,132,257–259,103–129,278–280,72–76,85–93,98–100,141–142,155–158,162,283–285,246–249
62	72–80,86–93,97–100,276,278,102,132,279–280,141–142,144–153,157–158,162,283–285,165–189,191–195,213,214,216,217,286–287,246–249,262,257–259
63	92,93,100,103–129,279,280,132,144–149,283,284,150,257–259
64	92,93,100,103–129,279,280,132,144–149,283,284,150,257–259
65	92,93,100,103–129,279,280,132,144–149,283,284,150,257–259
66	92,93,100,103–129,279,280,132,144–149,283,284,150,257–259,70
67	263,132,165,224–237,250–253,262,94–97,81–84,277–278,74–76
68	103–129,279–280,132,144–147,283,157–158,257–259,262,70
70	255,1,2,4–13,18–22,24,26,27,271,72–80,85–93,97–100,276,278–280,102,103–129,279–280,132,144–153,283,257–259,243–245,131,281,132,141–142,155–158,162,283–285,221
71	243–252,221,131,281,196–212,102,255,29–37,39–42,44–45,48,50–56,59–61,67,274–275,31–33,36–37,39,43,44,46–47,49–50,54–55,57–58,62–68,274–275,70,132
72	263,264
73	263,264
74	263,264
75	263,264
76	263,264
77	263
78	263
79	263
276	263
80	263
81	263,243–253,224–237,72–100,279,280,104–129,130,283,132,141–142,283–285,143–163,286–287,165–214,216–220,222–223,224–237,239–241,243–253,257–259
82	263
83	263
84	263
277	263

85	263
86	1,2,4–13,18–22,24,26,27,271,72–76,87–90,97–100,102,103–129,278–280,132,141–142
87	263
88	263
89	263
90	263
91	70,71,27–90,92–93,97–100,276–277,278–280,141–142,165–189,221,257–259,72–80,85–90,278,103–129,279–280,131,281,132,141–142,144–153,155–158,162,283–285,165–189,191–214,216–217,286–287,246–249
92	263,266
93	263,266
94	263–264
95	263–264
96	263–264
97	263–264
98	266,263
99	266,263
278	263
100	266,263
102	263–264,266,269
103	264–265,269
104	264–265,269
105	264–265,269
279	264–265,269
280	264–265,269
106	264–265,269
107	264–265,269
108	264–265,269
109	264–265,269
110	264–265,269
111	264–265,269
112	264–265,269
113	264–265,269
114	264–265,269
115	264–265,269
116	264–265,269
117	264–265,269
118	264–265,269
119	264–265,269
120	264–265,269
121	264–265,269
122	264–265,269
123	264–265,269
124	264–265,269
125	264–265,269
126	264–265,269
127	264–265,269
128	264–265,269
129	264–265,269
130	87–90,130,263,72–77,82–84,277,86,92–97,131,281,221,243–253,262
131	264,263
281	264,263
132	263,266,72–80,85–93,97–100,276,103–129,278–280,132,144–153,155–158,162,283–285,102,246–249,255,257–259
136	263,264,153,257–259,144,145,146,147,153
141	263–264,269
142	263–264,269
143	263
144	263
145	263
146	263
283	263
147	263
148	1,2,4–13,18–22,24,26,27,271,257–259,153,162,72–80,85–93,97–100,276,278,102,103–129,279–280,132,141–142,144–153,155–158,162,283–285,165–189,191–214,216,217,286–287,221,246–249,255
149	1,2,4–13,18–22,24,26,27,271,257–259,225–226,230–236

- 284 1,2,4–13,18–22,24,26,27,271,257–259
 150 263
 151 263
 152 263
 153 263
 154 263
 155 263
 156 263
 157 263
 158 263
 285 263
 159 263
 160 263
 161 263
 162 263
 163 263
 165 263
 166 72–100,224–237,276–278
 167 72–100,224–237,276–278
 168 72–100,224–237,276–278
 169 72–100,224–237,276–278
 170 224–237,132,239–241,72–100,165–214,216–220,102,103–129,278–279,130,131,281,141–142,143–163,222–223,243–253,257–259,262,276–278
 171 224–237,224–237,132,239–241,72–100,165–214,216–220,102,103–129,278–279,130,131,281,141–142,143–163,222–223,243–253,257–259,262,276–278
 172 224–237,72–100,224–237,132,239–241,72–100,165–214,216–220,102,103–129,278–279,130,131,281,141–142,143–163,222–223,243–253,257–259,262,276–278
 173 224–237,72–100,224–237,132,239–241,72–100,165–214,216–220,102,103–129,278–279,130,131,281,141–142,143–163,222–223,243–253,257–259,262,276–278
 174 224–237,72–100,224–237,132,239–241,72–100,165–214,216–220,102,103–129,278–279,130,131,281,141–142,143–163,222–223,243–253,257–259,262,276–278
 175 224–237,72–100,224–237,132,239–241,72–100,165–214,216–220,102,103–129,278–279,130,131,281,141–142,143–163,222–223,243–253,257–259,262,276–278
 176 224–237,224–237,132,239–241,72–100,165–214,216–220,102,103–129,278–279,130,131,281,141–142,143–163,222–223,243–253,257–259,262,276–278
 177 224–237,132,239–241,72–100,165–214,216–220,102,103–129,278–279,130,131,281,141–142,143–163,222–223,243–253,257–259,262,276–278
 178 263,131,281,243–245,70,259
 179 224–237,72–100,132,243–245,276–278
 180 224–237,72–100,132,243–245,276–278
 181 224–237,72–100,132,243–245,276–278
 182 224–237,72–100,132,243–245,276–278
 183 224–237,72–100,132,243–245,276–278
 184 224–237,72–100,132,243–245,276–278
 185 153,72–100,132,224–237,166–214,216–220,239–241,243–253,29–68,274,148–149,284,155–161,285,276–278
 186 153,72–100,276,277,278,132,224–237,166–214,216–220,239–241,243–253,29–68,274,148–149,284,155–161,285,
 187 72–100,224–237,153,162,132,165–214,216–220,286,287,239–241,246–253,148,149,284,155–161,29–68,276–278
 188 72–100,224–237,153,162,132,165–214,216–220,286,287,239–241,246–253,148,149,284,155–161,29–68,276–278
 189 165,196–212,230
 190 224–237,72–100,276–278
 191 77–80,82–84,277,87–90,132,224–237,29–68,274,275,276
 192 77–80,82–84,277,87–90,132,224–237,29–68,274,275,276
 193 77–80,82–84,277,87–90,132,224–237,29–68,274,275,276
 194 77–80,82–84,277,87–90,132,224–237,29–68,274,275,276
 195 77–80,82–84,277,87–90,132,224–237,29–68,274,275,276
 196 263,274–275,49–55,71,70,72–100,102,103–129,279–280,131,281,132,141–142,144–163,283–285,165–214,216–220,286–287,221,222–223,224–237,239–241,243–253,257–259,276–278,262
 197 263–264,207,243–253,222–223,70–100,131,281,243,244,245,259,276–278,130,141–142,130,151–154,157–158,285,162,163,166–214,216–220,224–237,239–241,243–253,257–259,262,29,39,40–47,49,50–56,274,275
 198 263,131,281,259,263–264,243–253,222–223,70–100,276–278,130,141–142,130,143–147,283,150–154,157–158,285,162,163,166–214,216–220,224–237,239–241,243–253,262,257–259
 199 263,131,281,259,263–264,243–253,222–223,70–100,276–278,130,141–142,130,143–147,283,150–154,157–158,285,162,163,166–214,216–220,224–237,239–241,243–253,262,257–259
 200 263,131,281,259,263–264,243–253,222–223,70–100,276–278,130,141–142,130,143–147,283,150–154,157–

- 158,285,162,163,166–214,216–220,224–237,239–241,243–253,262,257–259
 201 263,131,281,259,263–264,243–253,222–223,70–100,276–278,130,141–142,130,143–147,151–154,157–
 158,285,162,163,166–214,216–220,224–237,239–241,243–253,262,257–259
 202 263,131,281,259,263–264,243–253,222–223,70–100,276–278,130,141–142,130,143–147,283,150–154,157–
 158,285,162,163,166–214,216–220,224–237,239–241,243–253,262,257–259
 203 263,131,281,259,218,190,153,162,264,207,243–253,222–223,70–100,276–278,130,141–142,151–154,157–
 158,285,163,166–214,216–220,224–237,239–241,243–253,262,257–259
 204 1,2,4–13,18–22,24,26,27,271,274–275,71,70,72–100,102,103–129,279–280,131,281,132,141–142,144–163,283–
 285,165–214,216–220,286–287,221,222–223,224–237,239–241,243–253,257–259,276–278,262
 205 263,131,281,259,218,190,153,162,263–264,207,243–253,222–223,70–100,276–278,130,141–142,130,151–154,157–
 158,285,162,163,166–214,216–220,224–237,239–241,243–253,262,257–259
 206 263,131,281,259,218,190,153,162,263–264,207,243–253,222–223,70–100,276–278,130,141–142,130,151–154,157–
 158,285,162,163,166–214,216–220,224–237,239–241,243–253,257–259,262
 207 263,131,281,259,190,153,162,263–264,207,243–253,222–223,70–100,276–278,130,141–142,130,151–154,157–
 158,285,162,163,166–214,216–220,224–237,239–241,262,257–259
 208 131,281,259,218,190,153,162,263–264,207,243–253,222–223,70–100,276–278,130,141–142,130,151–154,157–
 158,285,162,163,166–214,216–220,224–237,239–241,262,264,257–259
 209 131,281,259,190,153,162,263–264,207,243–253,222–223,70–100,276–278,130,141–142,130,151–154,157–
 158,285,162,163,166–214,216–220,224–237,239–241,262,264,257–259
 210 263,131,281,259,190,153,162,263–264,207,243–253,222–223,70–100,276–278,130,141–142,130,151–154,157–
 158,285,162,163,166–214,216–220,224–237,239–241,262,264,257–259
 211 263,131,281,243–245,259,190,153,162,263–264,207,243–253,222–223,70–100,276–278,130,141–142,130,151–
 154,157–158,285,162,163,166–214,216–220,224–237,239–241,262,264,257–259
 212 131,281,259,190,153,162,263–264,207,222–223,70–100,276–278,130,141–142,130,151–154,157–
 158,285,162,163,166–214,216–220,224–237,239–241,243–253,262,264,257–259
 213 224–237,132,239–241,72–100,165–214,216–220,29–68,274–275,70,276–278,136
 286 224–237,132,239–241,72–100,165–214,216–220,29–68,274–275,70,276–278,136
 214 224–237,132,239–241,72–100,165–214,216–220,29–68,274–275,70,276–278,136
 287 224–237,132,239–241,72–100,165–214,216–220,29–68,274–275,70,276–278,136
 216 72–100,279,280,104–129,130,283,132,141–142,284,285,143–163,286,287,165–214,216–220,222–223,224–237,239–
 241,243–253,257–259,262,29–68,276–278
 217 72–100,279,280,104–129,130,283,132,141–142,284,285,143–163,286,287,165–214,216–220,222–223,224–237,239–
 241,243–253,257–259,262,29–68,276–278
 218 63–65,29–38,130,141,142,143–163,222–223,243–253,257–259,262,224–237,29–68
 219 29–30,38,48,77–80,82–84,277,87–90,94–97,263,165–214,216–220,224–237,132,276
 220 77–80,82–84,277,87–90,94–97,263,165–214,216–220,224–237,132,276
 221 221,263–264,266,
 222 263
 223 263
 224 263
 225 263
 226 263
 227 263
 228 263
 229 263
 230 263
 231 263
 232 263
 233 263–264,266
 234 263
 235 263
 236 263
 237 263
 239 1,2,12,21,24,26,257–259,153,162,239,72–90,92–93,97–100,276–278,132,165–189,191–195,197–201,150,136
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