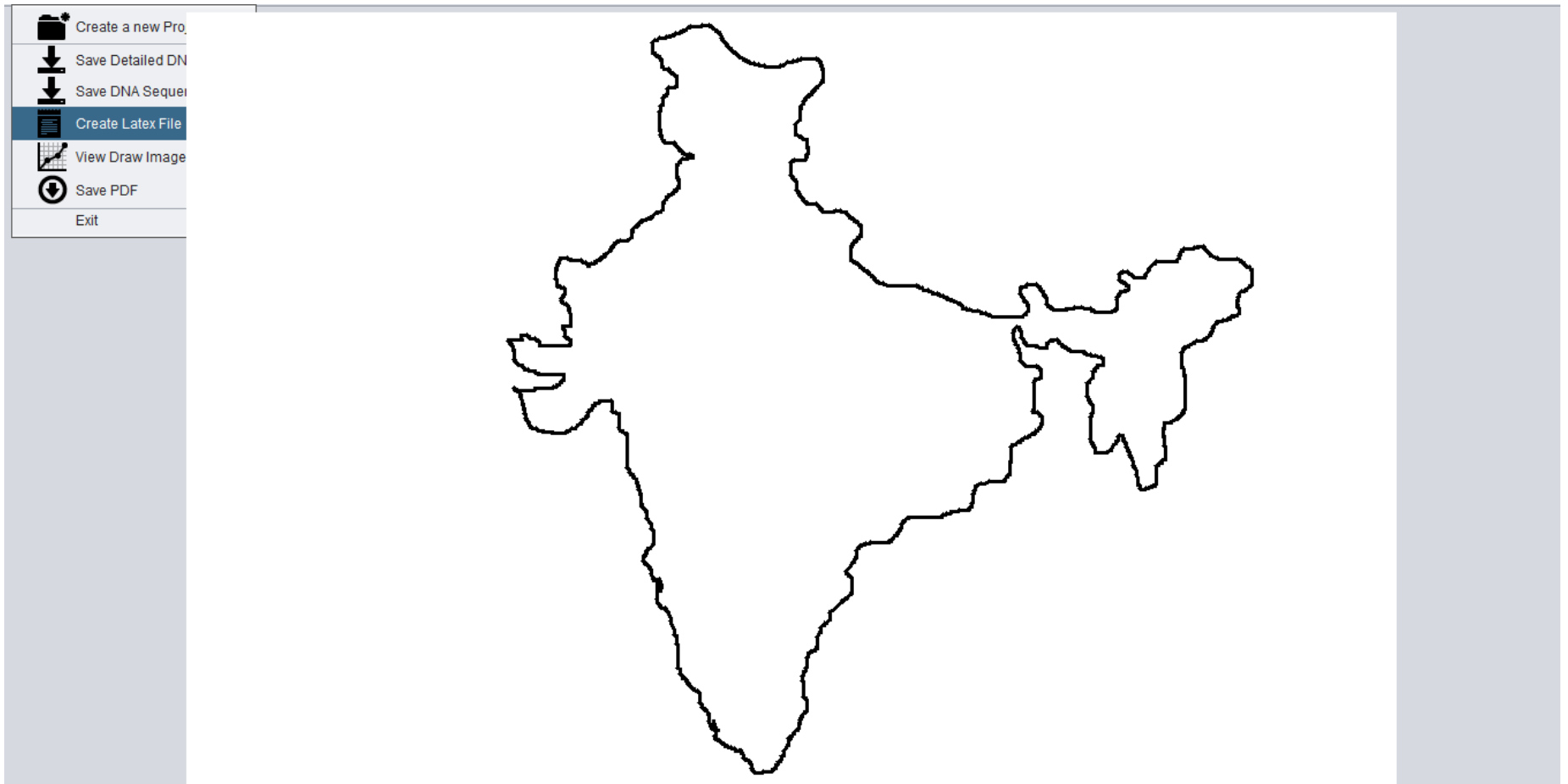




DNA Pen Data Sheet-Free Grid

Description	Value
Project Name	<i>MapOfIndia</i>
Total number of Tiles	1146
Number of Half-Tiles	231
Number of Full-Tiles	915
Dimension of Molecular Canvas (Brick-Wall)	$699 \times 1050\text{nms}^2$



Seq ID	X-Coordinate	Y-Coordinate	DNA Sequence Generated
1	58	58	GTCACAGTGGGGACGCTACGTCGGCCGTCCTGACATAGGCTC
2	60	60	GTTAGACTCCGTATACTCGGTCTCGGACGAGGAAAGGCTAAG
3	63	63	TCCGGAGCTCTTAGAACCAATCTCGCGGCTCGAAGCCTAGAT
4	64	64	CGTCGTGAGAGGAGTGCGCTTGATGGTGCAGAGTGTAAGTCT
5	70	70	ATGCATCAGTAATTCTATCTTTGGCCTATTGGAGCAACGAGC
6	72	72	CTGATCGCACGAGTAGTTGGTGGCGACTGCTAAGAGTCAGTC
7	73	73	CGAAGCTTCTAATAGGATAATTAGCCAGCGAACCGCTATGTG
8	75	75	TATGACTAGCCAGCAGAATTTTCACCAACCAGAGTACATATC
9	76	76	CACATCGCTTGGTGACGGCCTTGATTACTATAGCTAGTATAG
10	77	77	CATCTATCGTCGATAGATGTTGCCGATTACAATGAGATCTGT
11	77	77	CTCGTCGTAACTGGACTACATGAGTTACTCGGACGTGAGTGT
12	76	76	GAAGCTCTCTAGAGCTGCAGTGTAGTCTGGAGAGCACACATC
13	77	77	AGATTCTATTATCTCACCAGTTCTAGCTCCAGATATTGATCT
14	76	76	GAGCTGATGGTGTACTGGTGTAGATGTGCCTGAAGAAGTGAG
15	75	75	AGTGTGATCATTGTAGCATGTGCATGCTGATGATTATGCGTA
16	77	77	CCATCCGAGGAGTATTAGACTCACTATATTCAGTATAAGGTG
17	79	79	CTCCGACTGGCACTATCCATTTATCCATGATACCGCTCAGCT
18	80	80	CGTTCTATGGACAGCACACGTCGTGATACGCAGTATCAGTGA
19	81	81	CAGGAGCATCTCGACTCGCCTCACATGGAGAACTCTAATTAG
20	83	83	TGTAGACTGAATAAGCTTATTACCAAGCAGAGAGCTGCCTAG
21	83	83	GCATACACGTTTCAGCATCCTACTCCGAGGTGATTAGCTCAC
22	84	84	TCGTGCTGAACTCAGAAGCTGTGTTTCATCAGAATGGATGAC
23	85	85	AGGTAGCGTATTTCGAGCTATTTCGGCAGGTCAGAGCATGTCAC
24	86	86	TGCGTATATAACATCTACGCTTGGCTGCTACGAGCGGCTCCT
25	88	88	CCGTGCATACGGATGGTATTTCCCAGCTCCTAAGACATCTGG
26	89	89	CTCTGTCTCGATCCTACCGTTAGTCGACGACATTATACTGTA
27	90	90	CCTATCGAGATCTGACTCATTATTCTCTATAAGAGATTCTCT

Continued on next page, generate by DNA-Cloud, <http://www.guptalab.org/dnapien>

28	92	92	AGGAGCACAACACTCTGGTGTATCTCGATAGGAACGGTAGGA
29	94	94	TATGCGCTCTATCGCGCGAGTCACACAGACGGACCTATGCGT
30	98	98	CGTCTCCTAGGACTACGTGGTCAATTGGCGCGAGATATTTCGT
31	101	101	TGGTCTCTGTTGAATCTATATCAATGACGTCGAACGTGGCTC
32	102	102	GTTCCCTCTCGTTATAGTCGATTCCGGTTAATGAAACTATCCT
33	103	103	CACAGTAGTACCGGTTGTGCTTGCACACAGAGACTGGTGTCT
34	105	105	GCGCGCCTCTCTCATATTACTCAGAATGTATGAAATGTGTCA
35	106	106	CAGCATACTCCGATCGTCGTTACAGGATGTAGATTGACCTTG
36	109	109	CGTTCGCCTACGACGTGTGTTTACACAAGCAATTGGTCAGAG
37	110	110	CACTGTCGCCGCTGTCAATATGACTAGATACAGTAGTGAGTA
38	111	111	CACGCATATGTCATGCGCTTTCTATAGGAACACGATCGAGTG
39	113	113	TACTCTATAGGCGGTATATGTACATATGCGTGATATTGACAG
40	114	114	GTCGGCGCCATCGACCACTTTCGTCCGATGTGAAAGCGCATG
41	115	115	ACACGTTTCATTGTAGATGAGTCAAGCATGATGAGCGCGAGGA
42	116	116	ATTATAGCCTAACCACGGCCTGCACATTGGCGAATCGATAGT
43	116	116	CGTGAGTATTGACGTTACATTGCCTCTACACGACCTGCTAGA
44	116	116	CATTACGTACCTTCTGTCTTTCTACACGTATGCGTATTGC
45	118	118	TCTCCTAGAGCCTATACGCGTGTACGTGAATGATTGTATAAC
46	118	118	CTGACTAAGCTAGATACCGGTTCGATTTCGCGAATTCTAGTAGA
47	120	120	CACAATCAAGAGTCAGAGCGTATTCTATCCGGAATATAAGCA
48	121	121	GCACATCTCCCAGACGACTCTTCAGACGCGTGAGCTATTGGC
49	122	122	ATCGACCTGATAGGAGAAGGTCAATATCTCTGAACACTGTGT
50	124	124	TAGAAGCGGTTTAGAATACTTCAGTGACACTGAAAGCTGCCG
51	125	125	TACGCTTCGACATGAGCGAGTTATATGTCGCGAGCGCTACTG
52	126	126	ATAGCACAAGGTGGAACGCCTGACAGCCGAGGATAGGAACTC
53	127	127	CACATGCGATGGATCGTAGCTATGAGCTCATGAGCATAGCCG
54	128	128	CATGCTCACTCTGGTCGGTCTGTGTCTGTGTAGAGTCCAGAG
55	129	129	CATAGGAGCCTGTCTTGTGGTATCTCAGTGTAGAGTCAGAGG
56	132	132	GAGCTAACTGATCCTTAGTCTATTTCGCTGATGATTGGAATCG

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57	131	131	ACACAGACGACCTCATGTCGTACACTGTGGTGAATCACTGCG
58	129	129	CGGACTCATCGATTACATAGTCGTGTCGGACACCGCTAT
59	127	127	TAACAGGTCCGGTATATCACTTAGCTCCAAGGACGACAACGT
60	126	126	GTTGGCACTACGCCTTCTGATTACTCTGTCCGATCAACCACT
61	124	124	ATCGATGTCTTTACGCGGTATCTTCTCGTGAGACTGCATGAG
62	123	123	ACGTTGTAAACCTAGATGCGTCGGTTGTATGGAGACTACAAC
63	122	122	ATAGTAATGCTGCTCATGATTGCCTCTCTACGATTCTGAACCT
64	120	120	CGCACGCAGTCCTTGACGACTTGAGCGCATCGAGTGACGAAG
65	118	118	CTGCTAAGGGGAGGCACCTCTATCGACGTATGATATTGTGAC
66	117	117	GATCCTTGTTAACCTCTATGTTACAAGTAGTGAACGTAGTCG
67	116	116	ATCTTGAGCCGATGCACGTTCTCGTGGCTCGACCGGAGTAG
68	116	116	TGCAGTAGTTTGTACGCTGTTCTATACCGCGGAATGACACTA
69	115	115	CACAGTGCAGCGACGTATCTTAACCTACTGCAACGATCATAACA
70	115	115	ATCTTACTTTTCAGAACTGTTTCACAGAGTGGATATATGAAC
71	113	113	CCGATCTACGAATATGCTAATTCACCTTGTAACATTCGTATA
72	112	112	GCACCGTCGTTACGCACACTTTAACGCCTTAGATGTCTCAAG
73	112	112	CTGTTTCAATGGTGTAGTCTTATTCCTGCAGGAACACGTGTA
74	113	113	TCCTATATGTATCCGACATCTATGAGATGTGGATCTAGAGTC
75	112	112	CATACCGTCGCTCCATGTAGTGCGTTAACGTAACTTATCGCT
76	111	111	GATATACGTGGTGACACCTGTTCGGTCGATAGGACTGTGTGTC
77	110	110	TCATGAAGGATATGAGCACATGTTACACGCAGATGTCACATC
78	107	107	ACATCATAAAAGATGGACTGTAGTAGCCGCGGACGCTAGCAT
79	106	106	CTACATCTGTAAGTCGACTATTTTATGATGTAGACGATCCGA
80	106	106	CTCTAGCGGTCTCGAGTCGATAGGCCACGGTGAGAGGTCTTA
81	105	105	CGGTAGACCTGATCGTATATTATGCATGTGAGAGTCATTCAT
82	104	104	TGATTAAGCCTTGACCGGAATGTATCAGTTGGACGTCTTATA
83	103	103	CTCACATGCATTAAGACCTCTCGCGTGTGACACGAGACTTCG
84	103	103	CAACACTAGTCGAAGTCTCGTAGGTGAAGCTGAGCGGTCTAC
85	103	103	ACTCCTAGGACTACTCTTAGTATTGGATATCGATCACGGACG

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86	102	102	CACTAACACGACAGCACCTGTTCCCTAGGAGTAGATCATCGTG
87	105	105	GAGCACTGCTCTGGTTATCTTGTGAATTAATGAACGTCTGTA
88	105	105	GCTATGCGCAGGACGCTGTCTCAATTATAATGACGTACCATA
89	106	106	TGGCAGTCCGATGCTGCGCATTAGCTCTGACGACAGGTGAAG
90	104	104	CGAGATTCTAAGACACTCACTGCAGATCTTCGAAATATCAAG
91	103	103	ACTCGATGGCCATACCAAGGTCAGCGCTCCAGAGGATGCGAC
92	100	100	CATCTAGGCGCCTCATAACCTCTCTCACTCGATCTGAGATGC
93	99	99	CCGACTCATAGCTTAACCGGTCTGCTATCCAAGCGAGTACGA
94	98	98	TGACTATGAGTTCTGAGTACTCGCGCGATGCGACCGAGAGAT
95	96	96	GCCGTCCTCTTAGTAATGCTTACCGATCTGTGAAACATTGAC
96	95	95	GACGTCGAGGGTGCTTGTGGTATCTTGCGCGGACCGGAACCG
97	93	93	CTAAGGCTGCTACTATCCGGTCTACCATCGAACACGAGTACC
98	92	92	ACCTTAGTCGTCTCATGTACTTGTATCTGCGGACAGGTAGGC
99	91	91	ACGACACTATCGACGCAGAATATCACAAGACGAGGTGCTGGT
100	90	90	GAAGGAATTTTCTACACTGATAGGTTGCATAGAAAGCAAGAC
101	89	89	GTCCGATGTAGCGTCTATGGTATGATGGTTGGAGTGATTACA
102	86	86	CCGACCTGATGGCAGTAGCTTAACGATATTCAAACGCGTCGG
103	85	85	CATTGGCTCTAGCTACTTCATCCCTCTCATGACTGCGAGCAC
104	84	84	CGAACCATATCTATCGACGATTTGCCTGATAATCATCTACTT
105	82	82	CTAGAGTAGCGATTACACTATCACAACTCAGGACGAGACTCG
106	82	82	GCCGCGCGTATTATGGCCGCTAGAGACGCTAGATACCATCCG
107	81	81	ACTAGACGACCTGCATGACGTTGGCTCCATGGAACAAGCTCG
108	80	80	CGCTGTGCGAGTGACTCCTTTTGTGCGACCAGAACATACTTG
109	77	77	ATGCCGTCATTCTATTGTGATTCATACATGAGAGGCATCACT
110	74	74	ACCAAGGTTTTTATGCTCAATGCCGTATGGCGATTACGTAGT
111	73	73	ATTGCACTGATAGCTACATTTCTATTACAAGGAATGTCCTCA
112	71	71	CTACGGCCACGTGGATCGAATTTTAGCAGCGAGTCTAGCCAC
113	70	70	CGTCAACCGCAGCATCAGCGTCATCTAGCCTAACTATCGCAA
114	65	65	ACAGTCTCCACGCCAGATAATTATAATAGCTGAGATTCAGTC

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115	65	65	CAGAGATCATGTGACTGACTTTGACTGGCATATATTAGTAGC
116	66	66	CAGCGCGACATGAGTGTCTCTTGGCTGCTTCATCGTCGCATC
117	67	67	GCCGTAATTGTTGTAGAAATTTGTCTGTAGTGTGAAGATACGAG
118	59	59	CGGTGTGCCATGTACTCGTCTGTCTGCTTGGCTGAACGACTGGT
119	62	62	TACAGCTCTAACTCAACTGGTGAGTTGCTTAGATCTTCATAC
120	61	61	CTATGCGCAACGCTAACATGTGATGAGAGATGATATTGACCG
121	60	60	TGTACTACACGTGTGAGGTTTTCTCGCTTGGACCTAGTGCA
122	59	59	GTGTTCACTATACTGGTTACTTGACATTACAGATCATATAGT
123	58	58	GATCAGACAGTCGATTAGAGTACTGGCATTAGATAGCACGGA
124	54	54	CGTATAGGCAGTATAATTAATTTTAACCGACACCAACTGCGC
125	53	53	TACAGCCTCAAAGGATCAGATACGTCACTGCGATATCGAGTC
126	50	50	CATCGAGTCACTAAGAGGCCTAGCTTATCCAGAAGAGTTCCT
127	49	49	CTGCGTTACGCGAAGGCTCCTCTGTTCAGCTGAGCTCTGTCTG
128	47	47	CAGCTGAACAGAGGAACTCTTCCAGCGGCCTAGAGGTGCTGA
129	46	46	TATGAGCTACAGCGTTACTATATTAAGCGCAGAAACGACGCT
130	47	47	CGCGCGCACATATATGCCAGTTCGTTAATCGGAGACCTGAGT
131	47	47	CTCGACTCATGTCTGCTGGAGTGATCATCTGCGATCATATGAC
132	47	47	ATTGATCTTGAATACTGGAGTTCTATGGAAGGAGGTCTCTTC
133	46	46	CAATGATCCTGTCTCAGCACTATCGCTCTTCGACGTAGGATC
134	45	45	ATCTTCTGCTCCGTCGATAATCTACATGCAGGAGACACACTA
135	44	44	GCACGCTATGGGCGTATTGGTGCAGCATACTGAATCCGTATC
136	43	43	GATCTCCGAGTGCAGCGGATTTTCGCGTAGTAGAGAGTGTGCA
137	42	42	AGCACGGTCCCCTCGCTTGGTATACTGATGAGACCACTTATG
138	41	41	TGACTGGTCGATCATACTCGTTAACGTATACGACTGCGGTAT
139	40	40	CATCCATCGACCTATGTTTCATACGTTTCGCGAGAGCACTCAGA
140	42	42	CATATATAACCGAGGCGACTCTGTCACTCGACAACATAATCAG
141	44	44	GCAGAGCGTCGTCATATGTATCGGTATATATGAGATACCGCA
142	45	45	AGATGTACCTCTGCGATCTTTATATGCTTAGAGAGTCGCCT
143	46	46	CACGGTGATGGGACAGTATATCACTCTGTCAGACAGTCCGCG

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144	45	45	TGATGCCAACGAGTCTGTGGTCTTATCCTTCGAGTCGCTAAC
145	44	44	TGCACGTCCATATATTGACTTCGGAGTGAAGGACTATAGCTA
146	42	42	CGTACTCTCACTGATACCTCTAAGCACCGACAACGCTACATA
147	41	41	CGTTGTGCTGCCAGCGTAGATGAAGGTCTTAACAGTGGCTCC
148	43	43	ACCTTACTACTGAATACATATAGTATCTAGAGAACTATTTCAT
149	45	45	CTAATCTTAAGTGTGGTAGATAAGACTAGCAAGCGTGCTGCG
150	46	46	CCGTAGTTACTCAATACCTCTGAAGTAACGTAAACACGAGTA
151	48	48	GCACCATGCGTATTGGCATTCTCTGATGGAAGGACATCATAAG
152	52	52	TAGCTCAGAGAACGTTGTGATACCAAGGACGGACTCACCTGC
153	57	57	GTATCTTGATTACACCGGAATTACTGCTATGGAGTGGTAGAC
154	58	58	TAACGTGCTTAGCGTTGCAATGAGTCTGTCTGGACATGATCCT
155	59	59	TGCAAGACGGTGTTTCATCGATGCGACAGATAGAAATCGAGTG
156	64	64	CGAGTACTGAACTGCATGAGTCGATCGTAATGATTGGCGAAG
157	64	64	CACCTGCGACGGAGAGATAGTCGTGGAACGTAATCATGCAGT
158	61	61	GTCTGATGTTTCGCATACTGCTCGCAGTGAGAGAGGCACGTGT
159	62	62	CTCTGTGCTATCTACATCGGTGAGCTCCGGAATTATATGCTA
160	65	65	CTGCGCTTGTATAACGTTGTTTCGTGTAGAGCATTATGGAATT
161	66	66	CGCGTGCTAACGATAAGCAATACATAGTATCATAGGAACCGG
162	67	67	CTGCTAGGACTCTGTGTCTATCATGTCCGCGACGTCATAAGC
163	68	68	CCTTGAGTACCAACATTCATGAACGAAGGCACACGCAGACA
164	69	69	TGTGAGTATGATACTGAGACTTCGATAACTGGAGGAGCCATC
165	71	71	AGACTACTTTGACTCACGCTTGCCTTAATTAGAGTGTGTCTG
166	77	77	CCAACGCTATAGATCGTCTATGGGATAACCTAGCGAGACTCC
167	75	75	GTTGCTCTGCGTGTGGACAGTCTCAGCGAAGGATATTCACAC
168	76	76	CGAGAGTGACATCACGCAGCTTTCTCACAGCATCGGTGACTT
169	77	77	CAACGATACTCGATATGTAGTATACACGACAGATAGATTGGA
170	76	76	TCAGATAGCTACGACACCGTTTCCAGTAGTAGAACATCACAT
171	74	74	ATGTTGGCAGTAGCACAGCGTACTGGTAGGTGACAGTACATA
172	75	75	CTTCCTTGTCATCATCGTAGTATTCAGGAGTGATTCTGAGAG

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173	76	76	ATGTTGATCTTGCTCGTTGTTTGGACGTCAGGAAAGGATCAC
174	82	82	CCTGAGTACGCCTGCACCAATCGCTCGATTCAATCATATATT
175	82	82	CGAATCAGTACGTGTCTAGCTATATCGGCCAAGTGGAGCCAC
176	87	87	ATACCGACCTTTACTCGTCTGTGATGGATCCAGAATCCAGACA
177	96	96	AGAGATCGTAACTCGCGTAATCGCTACGTATGAAACAGATTA
178	97	97	CACAGTCTCTGATTAAGATCTGTCTGAAGATACTCGCCACTA
179	99	99	TATAAGCAGGTCGAGCATCTTCAGAGACTGTGATTGCTGAGC
180	100	100	CATTAACCGGAAGACACCAGTCCGCATTAGCATTGCGATCGG
181	104	104	CGTTGCGCTTGTGGCGCAGGTAGCTCGTCCGAGGACGATCTC
182	104	104	CTACATCCTGTATTATGGCTTAGAGGGCGCGCATTCAGAAATC
183	107	107	GTATGAACTCGACATCTACATGATGCATGGAGAGCTATGACG
184	108	108	CGATCCGCTAGCAATCAATTTGATACTCGATACTGCTTGCAG
185	109	109	TCTCGTGTCCACTAGACGATTTCGTA CTGGTGAGACCAATGA
186	112	112	CACATCGGACGTCCTCGCGCTGCTCTAACGAATTGGTACTGA
187	117	117	CGAACAGACCTTCATTGGAATAGATACGACGACACAGTACAA
188	123	123	CATGCATCAGCATCGTCAGGTAGACCTCTATAGCGAGACTAC
189	126	126	CACGATCCTTCCTACCAGTGTGAGTACTGACAGGCCTTCCTT
190	131	131	TGAGCTTCTGGTGTCACTGATAGGCTCCTATGAGACCGACCA
191	132	132	TAATATGTTCAAGACTAGTCTTAATACATCAGACGTCGGCGT
192	131	131	CTATCGGTAACAGACGTCGAGTCGGTGAGATAGATCAAGTGCA
193	128	128	CATACTTAAGGGAGCACGTCTAGACTAGTGTGAACATGTGTG
194	126	126	CGGCGAGTAAATCAGCGTGCTGCCTCGTGCTGAATAGTCACA
195	125	125	CAACTATCGCACGGACAACATTCCTACTCTAGATGCCAACAC
196	122	122	CTATCAATACGGCGTGTCACTTAGCTCCGCAGAAGTCACAAG
197	120	120	CTCAGCGATGTAGTGGCTGTTGTGTAGTCTGATGCTGGACAA
198	119	119	TGACGCCACTGTACTGTGCGGTGATACTTGAGGAGGCGTGCT
199	114	114	CTCTGTGCTACATACGCATGTACGTTAGATAGACATTCAGTC
200	107	107	CTAGCGCAGTGACTATGCGTTCTCGGTGTCAACAGTCCATCT
201	106	106	TCGCATCTTTTCGGATCGTCTAGTATAATCTGATATACTCGC

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202	105	105	CGGTAGACCTGATCGTATATTATGCATGTGAGAGTCATTCAT
203	103	103	CTCACATGCATTAAGACCTCTCGCGTGTGACACGAGACTTCG
204	104	104	CGCGTGCTGCAGTCTTCGAATCTGACATGCTAGAGGCGTTGG
205	104	104	ATTATCCATTCTAATCGTCATTCCGTGATATGAACAGTTATG
206	106	106	AGACGTCGCCACTGTTGCGTTAGCATATGCGGACACGATACG
207	105	105	TCGTGTGCGCAGAGTTGTGATCTACTCGCCTGAGACGTTATA
208	104	104	CCAGAGTGCGTGTTACATCTTTCGAATGACTATGTAGAGCGC
209	103	103	TGGCCGACTGAGAATTGTACTACACCACGTCGAAACAGCTCA
210	98	98	CCAGTCATATCACATAGTACTGATGCTATTAAACAACCGTGT
211	97	97	GATGTGTGCGAGTACACGGCCTCTCGTGACGACGAACCATC
212	96	96	CTGGTACTCACATGCTACGGTGACATGACGAACAGCTATATC
213	92	92	CCGTCCTAGTCCACGTGCGATGTTTCGCACTGAGTACTTACAT
214	88	88	TCGAACCCTCACGGCACCGGTTGGTGAACGTGAAACACGAGT
215	83	83	CCTTGTGCGTCGATCCTAGATACTCGTACAGCACAACCTGG
216	81	81	TCGATCACAAAATCGCTGAATTAATGACGAGGATCTATTGAT
217	82	82	TCGTGCTGCCTTGTCACTACTATTAGATCTAGATAACACGTC
218	81	81	AGACCAACGTTCAAGCAGTTTGCAGAGGCCGATTGAGATAG
219	80	80	CGACGATGTATGAGCGTTAGTGCACCGCGGTGACTATAGCGA
220	79	79	CTCTATGAGAAATTAGCTGTTGTACGTTAGCGAGGTAGGTCT
221	77	77	CTGCGCATCTAATCGAGCGGTCGCGTCGCCGACGCGAGATCC
222	73	73	GTTAGATCACTGTGCGGTCCTTGTAAGAATTGGACTCCTGCAC
223	70	70	CGTCAACCGCAGCATCAGCGTCATCTAGCCTAACTATCGCAA
224	68	68	CGCCACTCACTTACACTGACTGACTGCTGGTAAACGTTACTA
225	67	67	GCCGTAATTGTTGTAGAATTTGTCGTAGTGTGAAGATACGAG
226	67	67	CCTACCAGCTCCACTTGTGCTATGATAGACGACCGGTGTCGT
227	66	66	GTTATCCAACGATGCGACGATCTACCGATGCGACATTGTCTG
228	66	66	CATCGCTACGTCTTATGTGCTTACAGAGTCTATTAGCTGCAC
229	65	65	CTGCCTGATAGCTACTAATATCTTCGAACGAGAGCGCTACCT
230	65	65	CCGTGCGGTGCAGAGGCTACTCGCTACACACATTATCTGGCG

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231	66	66	GTTATCCAACGATGCGACGATCTACCGATGCGACATTGTCTG
232	66	66	CAGCGCGACATGAGTGTCTCTTGGCTGCTTCATCGTCGCATC
233	66	66	GTTATCCAACGATGCGACGATCTACCGATGCGACATTGTCTG
234	65	65	CAGAGATCATGTGACTGACTTTGACTGGCATATATTAGTAGC
235	65	65	CTGCCTGATAGCTACTAATATCTTCGAACGAGAGCGCTACCT
236	64	64	CGCTGTCAGTCTGTAACAGGTTGGAGACTGTAAGTAGTGATA
237	64	64	TAACACGTCATATCACTAGTTTGAGCTCGTCGATATGATGGC
238	63	63	CAGCTATTATATCCGGCATCTTCAGTACTCGACTGTCCTGCC
239	63	63	GCAGACAGATGGCAGGACAGTATGTCATGGCGAGGCGACAGA
240	62	62	CATTACGATCGATGCCGCGATGTGCTCCTGAAGGTATATTAT
241	62	62	CTCAAGCAGTATAATATACCTGTGCGAACCGGAAGTTCACGT
242	61	61	CAGGCTAGTATTGCGTATATTTCGCAGTCTAGATGTGAATATC
243	61	61	GACTGCAGGAGATATTACATTAGTAGAGTAGATCTAGAGAC
244	60	60	CGTACTAACGCACCATACTATAATGAGCTGTATGCTCCTACA
245	60	60	CTCGTCATATTGTAGGAGCATGTAGTCCATGGACGCACCATC
246	59	59	CGCGATCACGTCTCAATTACTGCTGTCCCTAGAGCACTTCACC
247	59	59	TCACACGTCAGGTGAAGTGCTGACAGCCGCAGACTCTCGTAC
248	58	58	CCTCAACCGTCCACTCGATTTTTTGATAGATCAAACGTTAAGA
249	58	58	AGGAGCTCCTTCTTAACGTTTTTCATACCGTGGACAGTGGAGT
250	59	59	CGACGCGCAGTGCGCGTTTCGTGCCTTCATCTATGCATACGAC
251	60	60	TGAGTGTACCTACCATAGTCTCGGCGACGCAGACATCTATCG
252	59	59	GCCTATATCGCACGCGCACTTTAACACGCGCGAATAGCCAGT
253	61	61	ACTGTCTGTTAACATCGGCCTTAGTTGTGAGGATTAAGAGCT
254	62	62	CGGTTGACACCTCGCTACGGTAGCGTATCGAGACATTGCATG
255	60	60	CCTCGCTGTATGAGCGTTGTTCTATAGGTTTCAGATGTTCCGC
256	61	61	TAAGATCGTAGGTTAGTTGCTCAAGCTCGTGGATGTTGTAAC
257	58	58	CTGCCGATCAGGCTAATGTGTGCGGCACCGTGGATAGGCGTGA
258	56	56	CTGGAACCTCATAAGTAAGATTCCTTACGGCATTAAAGCTATC
259	53	53	CACTAATACAGTCTCCTATGTAGATTAATTAAAAGACACCTT

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260	52	52	GATGGTAGCCTTGATCGCTGTTACGTGTGTCGACGCATGTCA
261	51	51	CGCCGCAATTATCTAGTTCATAACTGTTACTAACTGCGCCTA
262	50	50	CCTTGTCCTACTTGACGCCAGTCGGACTATCAAAACGACACAC
263	49	49	CTGCGTTACGCGAAGGCTCCTCTGTTTACGCTGAGCTCTGTGC
264	48	48	GTTAAGCTAGGGCAGCGCACTGTGTACGACGGAGTCACTCGA
265	45	45	CTCAGCCTCCCACCATGTATTCGAGAGTGGTGATTATAATCG
266	46	46	CTCTGAGTCTGTGCGCCGCGTTGTTGACGACAGAATCCTTACA
267	47	47	CCTCGCGACCACAACCTTCATGAGTCGGTACATACTCTCAGT
268	40	40	CATCCATCGACCTATGTTTCATACGTTTCGCGAGAGCACTCAGA
269	41	41	CACTGACTCTCATTATGGTCTGAATACGAAGATTGCTGCATT
270	40	40	CTACAAGTGCTTGCTACGATTCAATAGCTACATCAATAGCTT
271	42	42	CCTAGGTAGCGGAATCAACATAAATTGTGCGCAGTGGCCTACT
272	44	44	AGAGCTTCGACAGACTCGTATAGCTCTCGGAGATGAGCCTAC
273	49	49	CATGGCCACGCGTCGGAGTGTATACGAGATGGACAGTAGCGT
274	51	51	CCACGCAGCCTCGGTTGTGGTCTCTGAGCTAATAGTAGACTC
275	54	54	GACACTACAGAAGTAATAGATGTCAGAAGTCGAGCATAGCCG
276	55	55	ATCGTCAGTACTCCTATTGCTTGGAGTGTATGACCTTACATC
277	56	56	CGCTTACACCGAGCTTGGCGTCTCTTATCGTGACCAGCGTTA
278	57	57	ATAGGAAGTTGTGCACGCAATATCAATCTACGACATTCAGTC
279	57	57	CATCACTATTGCATAGCGACTAAGATCGAAGACGAGATGTCT
280	58	58	CAGCGTACAAAGATCTGATGTAGGATATAGAGACGTCGCACG
281	60	60	AGTGCACGTGCGCACGATGTTTGGCTGTGCTGACTACGGCGC
282	61	61	CTAAGACATAGTCGACTAGTTCGGCTGTACGAGATAGAGGAA
283	62	62	CGCTACGACACGTGCGAGCATTCGTGATATAACGAGTGAAGT
284	63	63	CATAGCGCTACTGTAGACTTTTGCTGCGTGCATCTCTGACGA
285	64	64	TCGAGCACTTTATACCGACATGATACACGTAGATAGTATGTC
286	57	57	TTTTTTTTTTTATAGATGGAATTACGTAGATAGTTTTTTTTTTT
287	57	57	CAGCATGCAACTTTTTTTTTTCCACTGTGACACCGGCCTACA
288	57	57	TTTTTTTTTTTTGTAGGCCGGTCGGCACATCGGTTTTTTTTTTT

Continued on next page, generate by DNA-Cloud, <http://www.guptalab.org/dnapen>

289	57	57	CCGATGTGCCGGAGCCTATGT
290	58	58	TTTTTTTTTTTGA CTCTTAATCGAGCGGTAGTTTTTTTTTTT
291	58	58	TCGTAGGTTTCAGCTCGCCATC
292	59	59	CCACTATTACGTTTTTTTTTTTGGAGTCTAACAGCATCCAAGT
293	59	59	CTACCGCTCGACTTGGATGCTGTGCATGTCAGTTTTTTTTTTT
294	59	59	CTGACATGCACCTTAGCCTTT
295	60	60	CCTCGTCCGAGACACGTGCCT
296	60	60	TCCGTGCACAGAGCCTGCTCC
297	61	61	CTACAGATGTCTATCGTGTTTTTCCTGAAGTATTTTTTTTTTTT
298	61	61	TAATATACGATAGGACTTCAT
299	62	62	TACTTCAGGATAGCATATAATCAATTCGCTAGTTTTTTTTTTT
300	62	62	CTAGCGAATTGATCTAGGCTT
301	63	63	TTTTTTTTTTTCAGATATGGTGAGCTACGTATTTTTTTTTTTT
302	63	63	TACGTAGCTCAGACTTACACT
303	63	63	TCACATTCAGACTCGATGCAT
304	64	64	CTGCACCATCAATTCCATAAT
305	65	65	TTTTTTTTTTTCTAACTCGTGTTGCGGATGCGGATAGTGAGTG
306	65	65	TTTTTTTTTTTTCATACCATTGCTGCTCATGACACGAGTTAG
307	65	65	CATGAGCAGCCCCGGTTCCTAT
308	66	66	TTTTTTTTTTTCACATACTCGTACTGTAGCCAGACCTTGTCAT
309	66	66	CGACTGTTGCTTTTTTTTTTTTTTTTTTTTACGAGTATGTG
310	66	66	TTTTTTTTTTTGCATCGACACTTCCGCGCTCGGTTTTTTTTTTT
311	66	66	TTTTTTTTTTTGTAGTACATCCTTTATTATGTCAGTGTCGATGC
312	66	66	GACATAATAAGCTTATGACGT
313	67	67	TTTTTTTTTTTCAGGCTAGAGTGA ACTATGCTGAAGCCAAGAC
314	67	67	TTTTTTTTTTTGTAGTGCTTTTACACTTCCA ACTCTAGCCTG
315	67	67	TGGAAGTGTATGTCTGCGTGT
316	68	68	TTTTTTTTTTTGTAGTATCGCCTACTGGAGTTGGATCTTCGTTG
317	68	68	TCCTCGGTAGTGACCTCAACC

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318	69	69	CTAATTAAGGCCTCACTGCTTTTTTTTTTTTAGTCTCAGTAT
319	69	69	TTTTTTTTTTTCGTCTACATTTGCTAGAATAGGTTTTTTTTTTT
320	69	69	TCGTTGCTCGCGATCTTATCC
321	70	70	CCAATAGGCCACAGACACACT
322	70	70	TCACACAGACACCGGATAACC
323	71	71	TTTTTTTTTTTACACGCTGATTGATATTGAGAAGCGTGAGTC
324	71	71	CTCAATATCAGACTGACTCTT
325	71	71	TTCTCAGTCAGACTATAACTC
326	72	72	AGCAGTCGCCCACATAGCGGT
327	72	72	TGGCGATACACCCGCTGACGA
328	73	73	TAGATGCGACCATCGGTCGCT
329	74	74	CCTCGTCCGCTTTTTTTTTTTTGCTAGTCATAATCTACGCTGG
330	74	74	TCGCTGGCTACCAGCGTAGATCTGTCTTGTCGTTTTTTTTTTT
331	74	74	CGACAAGACAGGATATGTACT
332	75	75	TTTTTTTTTTTGTGTACATTAACACGTTCTTTTTTTTTTTT
333	75	75	GAACGTGTTACTATACTAGCT
334	75	75	TCGATCATATCATTGTGCAAG
335	76	76	ATAGTAATCAACAGATCTCAT
336	76	76	TACTCTAGACAACATAATGATA
337	77	77	TGTAATCGGCCGTGACGAGGT
338	78	78	CAGCTGAGTGATTTTTTTTTTTTTTTTTTTTACCTCGTCACG
339	78	78	TTTTTTTTTTTCGCACTCATTCAAGCGATGTGATGTGACACA
340	78	78	CCTATCTCGGATTTTTTTTTTTTTTTTTTTTAAATGAGTGCGA
341	78	78	TTTTTTTTTTCTCTATCGCTTCTAGTCACTAGTTTTTTTTTTT
342	78	78	CCATAAGACGTTTTTTTTTTTTTTTTTTTTTAAAGCGATAGAG
343	78	78	TTTTTTTTTTTATCATCGTGTGAGCTAGCGAGTTTTTTTTTTT
344	78	78	CAGGCCGAGGTTTTTTTTTTTTTTTTTTTTTACACGATGATA
345	78	78	AGGTTATCCCGCGGCAGCTATAGTGCGGCACGTTTTTTTTTTT
346	78	78	CCGCACGTCACTTTTTTTTTTTTTTTTTTTTATAGCTGCCGC

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347	77	77	TTTTTTTTTTGTCAGATCCTATTGGTCGTCCTGTTTTTTTTTT
348	77	77	CGAGTCAATTCTTTTTTTTTTTTTTTTTTTTTTATAGGATCTGC
349	76	76	TTTTTTTTTTTGACAGTAACCTCGTCAGGACGGTTTTTTTTTTT
350	76	76	CTACGGTACACTTTTTTTTTTTTTTTTTTTTTTAGGTTACTGTC
351	76	76	TTTTTTTTTTTGTGGTGCCACTCTTGGATGGTGTTTTTTTTTTT
352	76	76	CTACGTCGTATTTTTTTTTTTTTTTTTTTTTTAGTGGCACCAC
353	76	76	TTTTTTTTTTTCGAACCAGACTCGGCGCTAGTGTTTTTTTTTTT
354	76	76	CTCTCAGCGGCTTTTTTTTTTTTTTTTTTTTTTAGTCTGGTTCG
355	75	75	CGCCTTCCAGATTTTTTTTTTTTTTTTTTTTTTACTGTCCACAC
356	75	75	TTTTTTTTTTTGCACGTTTCGTA CTGATACCTGTTTTTTTTTTT
357	75	75	CCACTGAATAGTTTTTTTTTTTTTTTTTTTTTACGAACGTGCA
358	75	75	TTTTTTTTTTTACGCGGTCGGTTAAGTCATGTGTTTTTTTTTTT
359	75	75	TTTTTTTTTTTGTAGACTATATAGTGTGCTTCACCGACCGCGT
360	75	75	GAAGCACACTAAGTCACCGAT
361	76	76	TTTTTTTTTTTCGTTAACAGCTCAGCCTATCAGAGCATGTCTC
362	76	76	CCAGATCCAATGCGCGAGCGTTTTTTTTTTTTTAGCTGTAAACG
363	76	76	TTTTTTTTTTTAGCCGATCATTTGACCTATACGTTTTTTTTTTT
364	76	76	TATCTAACCTACTGGATATGC
365	77	77	CTGGCCACGGTTTTTTTTTTTTTTTTTTTTTACTACATATCG
366	76	76	CACAGGTAGGTTTTTTTTTTTTTTTTTTTTTTAACGGTGTTCGT
367	74	74	CTAGCCTCAGCTTTTTTTTTTTTTTTTTTTTTTACGCTGTGCTA
368	74	74	TTTTTTTTTTTGTACTCAACCTGACGTACTTCGTTTTTTTTTTT
369	74	74	CTGCAGATGGATCATCGAGGTTTTTTTTTTTTTAGGTTGAGTAC
370	74	74	TTTTTTTTTTTCATGTACACTTGAATCGTCGTGTTTTTTTTTTT
371	74	74	TAAGACTCTCCTTAGCAGCAC
372	75	75	CTCCACGGTTATTTTTTTTTTTTTTTTTTTTTTACTACGATGAT
373	75	75	TTTTTTTTTTTGACCGTCTGCTATCAACGTCAGTTTTTTTTTTT
374	75	75	CCTTATCTGGATTTTTTTTTTTTTTTTTTTTTTAGCAGACGGTC
375	75	75	TTTTTTTTTTTAACGCATCGGTCAAGAGGTTAGTTTTTTTTTTT

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376	75	75	CGCTCATCACTGAGAGATCCTTTTTTTTTTTTACCGATGCGTT
377	75	75	TTTTTTTTTTGTAGCATCGCTTCAGTGACTAGTTTTTTTTTTT
378	75	75	TTTCCTAGTGAGTCACTGATC
379	76	76	CCTGTAGCTTCTTTTTTTTTTTTTTTTTTTTAAACAACGAGCA
380	76	76	TTTTTTTTTTTACGCGCTTGCTATTCCGAGCGGTTTTTTTTTTT
381	76	76	TTTTTTTTTTTTGTATGAATTTCCATGATGACAGCAAGCGCGT
382	76	76	GTCATCATGGCACCTTATACT
383	76	76	TCATATTCCACGGTACTACTG
384	77	77	GAATATAGTGGTGTCTCAAT
385	78	78	CCTGAATATGATTTTTTTTTTTTTTTTTTTTATTGAGGACAC
386	78	78	TTTTTTTTTTTAACTCCGCATTACGATGATGCGATTACATCAT
387	78	78	TTTTTTTTTTTTTGGATCCAATTCTCATTATAAATGCGGAGTT
388	78	78	TATAATGAGAAGCTGAGCGGT
389	78	78	TGGCGAGTCGAAGAGTAATAT
390	79	79	ATCATGGATATCACTGATACT
391	79	79	TCATAGTCACTATAGGTACTA
392	80	80	GCGTATCACGCTAATTAGAGT
393	80	80	TGAGATTAATCGCACTATGCG
394	81	81	TCTCCATGTGAATATATGATT
395	82	82	TTTTTTTTTTTCGCCACTAGGTTCCATAGAACGAATGGATAGT
396	82	82	CCGATACAGATCGCGGTGTCTTTTTTTTTTTTACCTAGTGGCG
397	82	82	TTTTTTTTTTTACAATCTTACTCATGATAGTCGTTTTTTTTTTT
398	82	82	TCGACGGATCGTACTATCAGC
399	83	83	CCTGAGAGTATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
400	83	83	TTTTTTTTTTTACTTAACAGATAGAGACCGTCGTTTTTTTTTTT
401	83	83	CACGTCTGATGTTTTTTTTTTTTTTTTTTTTTATCTGTTAAGT
402	83	83	TGGCCGATATTTGTAAGCAATAGGACAGCCGGTTTTTTTTTTT
403	83	83	CTGTCTCGACTTTTTTTTTTTTTTTTTTTTTTATTGCTTACAA
404	82	82	TTTTTTTTTTTTATCATCCGTTTGCACAAGCGGTTTTTTTTTTT

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405	82	82	CAGCATCTGAGTTTTTTTTTTTTTTTTTTTAAACGGATGATA
406	82	82	TTTTTTTTTTTTTTCACGCCGCTGCGATAATTCGTTTTTTTTTT
407	82	82	CTCCGGTACTCTTTTTTTTTTTTTTTTTTTTAGCGGCGTGAA
408	82	82	TTTTTTTTTTTGGCCGGCGTCTCTACATGAGTGTTTTTTTTTT
409	82	82	CGCGCTCTCGTCGCTTATGGTTTTTTTTTTTTTAGACGCCGGCC
410	82	82	TTTTTTTTTTTCTAAGCGTGCTCAGTGTCTTCGTTTTTTTTTT
411	82	82	TAATCGAGTGGTCACAGAAGC
412	83	83	CGCGTATCGTGTAGAATGCGTTTTTTTTTTTTTTTTTTTTTTT
413	83	83	TTTTTTTTTTTGCTAGTCTGTTATACATGCTGGTTTTTTTTTT
414	83	83	TTACCTACTGTATGTACGACC
415	84	84	CGATGTCCGATTAGCTCACATTTTTTTTTTTTTTTTTTTTTTTT
416	84	84	TTTTTTTTTTTCCTGTTACGATCGGAGTATTGGTTTTTTTTTTT
417	84	84	TCGTACAGTGGCCTCATAACC
418	85	85	CTGGATCCATCACATGTACCTTTTTTTTTTTTTTTTTTTTTTTT
419	85	85	TTTTTTTTTTTATATAGTGTATAGGTTGATGTGTTTTTTTTTT
420	85	85	TCGCCGAGGATCCAACCTACAC
421	86	86	CGTAGCAGCCATGTCTGGATT
422	86	86	TTAGGTCTGTACCGACGATGC
423	87	87	TTTTTTTTTTTATCTTACGGTGCCTGACGACACGACGAGTAA
424	87	87	GTCGTCAGGCCCAGATGTCTT
425	87	87	TTCTGTAGACCCGGACTGCTG
426	88	88	AGGAGCTGGGTACAGTATAAT
427	88	88	TAATATGACATGGGTTCGAGGA
428	89	89	GTCGTCGACTAGAGAATCTCT
429	89	89	TCTCTAAGAGATCAGCTGCTG
430	90	90	TATAGAGAATGGATGAGATAT
431	91	91	CGTAGGAGACTGAGTTCGCTTTTTTTTTTTTTTATATCTCATCC
432	91	91	TTTTTTTTTTTGCGGTTGGCTTTCGAGACAGAGAAATACCATC
433	91	91	TTGCCATCCTAGCTCTGTCTC

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434	92	92	TTTTTTTTTTTTGAACCTTCCTTCCTTCCGCTTTTTTTTTTTTT
435	92	92	AGCGGAAGGACATTATGGTAT
436	93	93	CTCTACAGAGTTAACTATCTTTTTTTTTTTTTTATACCATAATG
437	93	93	TTTTTTTTTTTGCTTCTCCAGTCTTCCGATTGGAATGCGCTTC
438	93	93	TGGATACGCAGAAGGCTAACC
439	94	94	TTTTTTTTTTTTAGGTTGGTTTTTTCAGCATAGTTTTTTTTTTTT
440	94	94	CTATGCTGAACGCGCCTAGCT
441	95	95	CGACTGATATGGAACGTTCTTTTTTTTTTTTTTAGCTAGGCGCG
442	95	95	TTTTTTTTTTTTGTTGTAAGGTAGATTATATCGAGTGAGTCTC
443	95	95	TTTGTCTAATTCTAATATAGC
444	96	96	TTTTTTTTTTTTTGCTCAGCAATCAAGAGGTACATTACGCGAGT
445	96	96	GTACCTCTTGTAGTGGCGAGT
446	97	97	TTTTTTTTTTTTTCATCATACGTAGCGCGGTTAGACGCGCGATA
447	97	97	TCTATAAGCATCGCGCCAATC
448	98	98	CGCGCCAATTGGCTCAGCAAT
449	98	98	TAACGACTCGGTAAACGCGC
450	99	99	TTTTTTTTTTTTTAGGATAGTTTTTCGCGCCGTCAAGATGCTCGA
451	99	99	GACGGCGCGACCGATCGCAAT
452	100	100	TTTTTTTTTTTTACTGAGTACTTAGGTTTCGCCGGACAGACGCGA
453	100	100	TTGCACCGAGTCCAAGCGGCC
454	101	101	CGACGTCATTGAGGATAGTTT
455	101	101	TTTGATAGGAGTTACTGCAGC
456	102	102	CATTAACCGGAAGACACCAGT
457	102	102	TGACCACAGAAGGCCAATTAC
458	103	103	TTTTTTTTTTTTATGAGACTATACCTCAGATGTTTTTTTTTTTT
459	103	103	TCCTGCTAGAGTGGAGTCTAC
460	104	104	CATCTGAGGTGAGATCGTCCTGACGTCTAGTGTTTTTTTTTTTT
461	104	104	CTCACGACTCTTTTTTTTTTTTTTTTTTTTTTTATATGCTGGTG
462	104	104	TTTTTTTTTTTCACCAGCATATGATGCGCGCAGATCGCTACGT

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463	104	104	CCTGTAGTGGATTTTTTTTTTTTTTTTTTTTACATTATCACC
464	103	103	TTTTTTTTTTTTTACAGGCCTGTGACTACGTGAATACTAACCAT
465	103	103	TCACGTAGTCGGTGATAATGT
466	103	103	TTTTTTTTTTTTATGGTTAGTATCGATAGCGAGGTTTTTTTTTTT
467	103	103	CCGGTGTACGCTTTTTTTTTTTTTTTTTTTTTTACTCTAGAGTC
468	103	103	TTTTTTTTTTTGACTCTAGAGTACCATAACTCGTTTTTTTTTTT
469	103	103	CCACATATAACCAAGGTCAATCGGATCAGGTTTTTTTTTTTTT
470	103	103	TAAGGTCTTAGGCCTAGTCCA
471	104	104	ACCTGATCCGGATTCTGGAATAGAGAGCGACGTTTTTTTTTTT
472	104	104	CGTCGCTCTCTTGACACATTT
473	105	105	CCTAGATGTCTGTAGGTCGCTTTTTTTTTTTTAGTAATATGAG
474	105	105	TTTTTTTTTTTCACTCGTGAATGTTATATGTGGACGCTGCACA
475	105	105	TAACTGGAACCAATATACACC
476	106	106	CTGTCTCTCCATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
477	106	106	TTTTTTTTTTTCCAATACCATTATACCGATGAGTTTTTTTTTTT
478	106	106	CAGACTGATTAATGCGTGATTTTTTTTTTTTTTAATGGTATTGG
479	106	106	TTTTTTTTTTTCCAATGTTGTTTCCACTACAGGTTTTTTTTTTT
480	106	106	TCGATACTGCAGGTGATGTCC
481	107	107	TTTTTTTTTTTTTGAGTATAGTTGGCCGTCCTATGTAGATGTC
482	107	107	AGGACGGCCACTGCAAGCAGT
483	108	108	TTTTTTTTTTTGTGTCCAACTTTGTGATTGGCGAGTCCTCATC
484	108	108	TCTGGTTACTACACTAACCGC
485	109	109	TGCTTGTGTATACTCACTACT
486	109	109	TCATCACTCATATGTGTTCTG
487	110	110	GTATCTAGTCCACTCGATCGT
488	110	110	TGCTAGCTCACCTGATCTATG
489	111	111	GTTCCCTATAGTCAGTACCAAT
490	112	112	TTTTTTTTTTTACGGACGTCATCGGCGACAGTGAACACACGTC
491	112	112	TATAACTGTGCGCCGCTGTCAC

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492	113	113	CACGCATATGTCATGCGCTTT
493	113	113	TTTCGCGTACTGTATACGCAC
494	114	114	CACATCGGACGTCCTCGCGCT
495	114	114	TCGCGCTCCTGCAGGCTACAC
496	115	115	TTTTTTTTTTTTTTTTTTTTTTTTTTTAAAGACGCTCC
497	115	115	TTTTTTTTTTGGAGCGTCTTCTTGCGATACGTTTTTTTTTT
498	115	115	CTCCTTCACAGTTTTTTTTTTTTTTTTTTTTTATTGCGAGGTG
499	115	115	TTTTTTTTTTTACCTCGCAATTCGTTCTGCTGTTTTTTTTTT
500	115	115	CGCTCAGCGGATTTTTTTTTTTAGGCTATAATACTCTAATAGA
501	115	115	TTTTTTTTTTTCTATTAGAGTGCTAAGGCAGGTTTTTTTTTTT
502	115	115	CCTGCCTTAGCACTATCGATT
503	116	116	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAATGTAACGTC
504	115	115	TTTTTTTTTTGTGACGCTCATCGAGTGATACGTTTTTTTTTTT
505	115	115	CCAATTACACTTTTTTTTTTTTTTTTTTTTTTAAGACATAGTA
506	115	115	TTTTTTTTTTTACTATGTCTTTCGTTAACGCGTTTTTTTTTTT
507	115	115	CGAACGCTGGAGTTATACAATAGGATCCGGCTTTTTTTTTTTT
508	115	115	GCCGGATCCTGCAATACGCAT
509	115	115	TACGCATAACGTCCTAGGCCG
510	116	116	ACGTGTAGAATTGTACTGTGT
511	117	117	TTTTTTTTTTTGGATCAGGTGTTCCAGCGTTCGAAAGCAAGGA
512	117	117	TAACATATTGAGGTCGCAAGC
513	118	118	TGGACGTAGACGCTAAGCGCT
514	119	119	CATCTTAAGATTTTTTTTTTTTTTTTTTTTACCTGCATCTG
515	119	119	TCGCGAATCGCAGATGCAGGTCGACGCGCATGTTTTTTTTTTT
516	119	119	CACTAGTGACATTTTTTTTTTTTCTTGATTGTGAATACGCTCAC
517	119	119	TTTTTTTTTTGTGAGCGTATTGTCATGGTTGGTTTTTTTTTTT
518	119	119	CCAACCATGACTGCTTATATT
519	120	120	CCGGATAGAATGCCAATAGCT
520	120	120	TCGATAACCGTAAGATAGGCC

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521	121	121	CACGCGTCTGAACACAGTGTT
522	121	121	TTGTGACACAAGTCTGCGCAC
523	122	122	TTTTTTTTTTTGTGCACCTGTAGATTGACGCTTTTTTTTTTTT
524	122	122	TCGCTCTGATGTCTAACTGCG
525	123	123	GCGTCAATCTGTAGTCTCGCTACTCCGATAGGTTTTTTTTTTT
526	123	123	CCAATACGCCTTTTTTTTTTTTACCGCTTCTAAATCGAGAGTA
527	123	123	TTTTTTTTTTTACTCTCGATTAGGTCAACTAGTTTTTTTTTTT
528	123	123	CTAGTTGACCTCGGCAGCTTT
529	124	124	CAGTGTCACCTGCAGTAGCGCT
530	124	124	TCGCGATGACGTCACCTGTGAC
531	125	125	TATCCTTGAGATATACAGCGC
532	125	125	CGTAGTGGTCTTCTGTATGCTCGCAATCTTGTTTTTTTTTTT
533	125	125	CAAGATTGCGAAGGAAGGCCT
534	126	126	CACCGTGATATCTCAATTCTTTTTTTTTTTTTTTTTTTTTTTT
535	126	126	TTTTTTTTTTTGCTACTGACCTTGGAGCGCAGGTTTTTTTTTTT
536	126	126	TCGTATCGGCACCTCGCGTCC
537	127	127	TTTTTTTTTTTGACAGCGCTTAATGTAAGACTTTTTTTTTTTT
538	127	127	GTCTTACATTCTCTGGACTCT
539	127	127	TCTCAGGTCTCTTACATTCTG
540	128	128	ACACAGACACCCTCTGACTCT
541	128	128	TCTCAGTCTCCACAGACACA
542	129	129	ACACTGAGATCCTTATAATGT
543	130	130	CCGCAACCAGAGATCACCAATTTTTTTTTTTTACATTATAAGG
544	130	130	TTTTTTTTTTTATCCGGTCGGTGAGTGAGCATGAAGCGCTGTC
545	130	130	TCTGGCTGGTCTCACTCGTAC
546	131	131	CCATAACGACGGAATGTCAGTTTTTTTTTTTATCAGTGACAC
547	131	131	TTTTTTTTTTTGGTGAGAATCTCGATGCTAGTTTTTTTTTTT
548	131	131	TGCAGCCGCAGAGCTACGATC
549	132	132	CGTGTAGGCAGTTTTTTTTTTTTTTTTTTTTTTAGACTAGTCTT

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550	132	132	TTTTTTTTTTTTGCCGGCTGCTCGATCATAACGTTTTTTTTTT
551	132	132	CCTCAGAGAGTTTTTTTTTTTTTTTTTTTTTTTAGCAGCCGGCA
552	131	131	CAGACGTCTTATTTTTTTTTTTTTTTTTTTTTTACTCACGTCTG
553	130	130	TTTTTTTTTTTTAGACATTGCTGCTCATTCCAGTTTTTTTTTTT
554	130	130	CTGGCTCTGGTTTTTTTTTTTTTTTTTTTTTTTAGCAATGTCTA
555	130	130	TTTTTTTTTTTCGATCGCGTGTGCGTGCTGCTGTTTTTTTTTTT
556	130	130	CTCTACGTGGTTTTTTTTTTTTTTTTTTTTTTTACACGCGATCG
557	130	130	TTTTTTTTTTTTCTCAGACTATCTCAATTACAGTTTTTTTTTTT
558	130	130	CCGGCCTTCAGTTTTTTTTTTTTTTTTTTTTTTATAGTCTGAGA
559	130	130	TGAGGTCATGTTGGAGTACATTCATCAGAGAGTTTTTTTTTTT
560	130	130	CCTAGACCACGTTTTTTTTTTTTTTTTTTTTTTTATGTACTCCAA
561	129	129	CTAGCATCTATATATCGCGCTCATGACCTCATTTTTTTTTTTT
562	129	129	TACATGAGGTTGTACTGGAGT
563	128	128	CTATCCAACATTTTTTTTTTTTTTTTTTTTTTTAGACGTGCTCC
564	127	127	CAGGCTGGCTCGATCACATATCTTAAGTATGTTTTTTTTTTT
565	127	127	TCTGCACGAGGGAATTCATAC
566	127	127	TTTTTTTTTTTTTGTCCAACTTTCCGCAATCAGTTTTTTTTTTT
567	127	127	CATCACGCGCGTTTTTTTTTTTTTTTTTTTTTTAAGTTGGACAA
568	126	126	CACACGTTAGCTTTTTTTTTTTTTTTTTTTTTTAGCACGCTGAT
569	125	125	CGTTGGATGGTTTTTTTTTTTTTTTTTTTTTTTATGTTGTCCGT
570	124	124	CGACGCAGTCTATCACGCAGTGCGATAGTTGTTTTTTTTTTT
571	124	124	TACAACAGGCACGCTATCAAC
572	123	123	TTTTTTTTTTTCGTCGGACACTCGGAATGTGTGTTTTTTTTTTT
573	123	123	CGTACGCGTCGTTTTTTTTTTTTTTTTTTTTTTAGTGTCCGACG
574	123	123	TTTTTTTTTTTCATCGATAGATCTACGTTGACGTTTTTTTTTTT
575	123	123	CGTTCTGTATCTTTTTTTTTTTTTTTTTTTTTTATCTATCGATG
576	123	123	TTTTTTTTTTTCTGATCGAGATATCTTAAGTAGTTTTTTTTTTT
577	123	123	CTACTACGCTCTTTTTTTTTTTTTTTTTTTTTTATCTCGATCAG
578	123	123	TTTTTTTTTTTACATGCGTGCTGCAGTGTATCGTTTTTTTTTTT

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579	123	123	CTGATGATACGTTTTTTTTTTTTTTTTTTTTTTTAGCACGCATGT
580	123	123	TTTTTTTTTTCTCCTGATCTTCGAGGATACTGTTTTTTTTTT
581	123	123	CTGCGACTACATTTTTTTTTTTTTTTTTTTTTTAAGATCAGGAG
582	123	123	TTTTTTTTTTGTGAGGTCTATTCCGCACAACGTTTTTTTTTTT
583	123	123	CAGCGGTTGTCTTTTTTTTTTTTTTTTTTTTTTATAGACCTCAC
584	123	123	TTTTTTTTTTIATCTGGAGTTTTATCGCGCGAGTTTTTTTTTTT
585	123	123	CCTCAGCTCAGTTTTTTTTTTTTTTTTTTTTTTTAAACTCCAGAT
586	123	123	TTTTTTTTTTTACACGAAGCTCGTCTAAGTGGTTTTTTTTTTT
587	123	123	CCGACGTCTACTTTTTTTTTTTTTTTTTTTTTTAGCTTCGTGTA
588	123	123	TTTTTTTTTTTAGATCCTCTCTATCATCAGTGGTTTTTTTTTTT
589	123	123	CGTGTGAAGATTTTTTTTTTTTTTTTTTTTTTTTAGAGAGGATCT
590	123	123	TTTTTTTTTTTCGACGGTGCGTTGATAGCAACGTTTTTTTTTTT
591	123	123	CAGGACGTATCTTTTTTTTTTTTTTTTTTTTTTTACGCACCGTCG
592	122	122	CACGTTATGCGTTTTTTTTTTTTTTTTTTTTTTAGTGACACGCC
593	121	121	TTTTTTTTTTGACTCGCCTATGTGTCTTGCTGTTTTTTTTTTT
594	121	121	CCGTGCGCTTGTTTTTTTTTTTTTTTTTTTTTTATAGGCGAGTC
595	121	121	TTTTTTTTTTTGGCTCCGCAGTCGGAATCAATGTTTTTTTTTTT
596	121	121	CTGACTAGAGCTTTTTTTTTTTTTTTTTTTTTTTACTGCGGAGCC
597	121	121	TTTTTTTTTTTGTCTCTAGGTCACGACCTGAGTTTTTTTTTTT
598	121	121	CGCAGCTTGCGTTTTTTTTTTTTTTTTTTTTTTTACCTAGAGACA
599	121	121	TTTTTTTTTTTAATCATCTGATCGGTTCTCGTGTTTTTTTTTTT
600	121	121	CGATGGCATTGTTTTTTTTTTTTTTTTTTTTTTTATCAGATGATT
601	121	121	TTTTTTTTTTTGGATAACTCCTTAGTGTTACAGTTTTTTTTTTT
602	121	121	CGACACGTAATTTTTTTTTTTTTTTTTTTTTTTTAGGAGTTATCC
603	121	121	CAGACTACACTCGAGGTCTGTACTCTAGACTGTTTTTTTTTTT
604	121	121	CTGCATCCTGTTTTTTTTTTTTTTTTTTTTTTTACAGACCTCGA
605	120	120	TTTTTTTTTTTACGTACAGATCGAGACATTGGTTTTTTTTTTT
606	120	120	CACATCATCATTTTTTTTTTTTTTTTTTTTTTTATCTGTACGTA
607	120	120	TTTTTTTTTTTGCTGAGTTGCTAGGATCCAAGGTTTTTTTTTTT

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608	120	120	CGAGCCGGTCGTTTTTTTTTTTTTTTTTTTTTTAGCAACTCAGC
609	120	120	TTTTTTTTTTAAGGTTGCCTCATATGGAGAGTTTTTTTTTT
610	120	120	CCTAGCAATCTTTTTTTTTTTTTTTTTTTTTTTAGGCGAACCTT
611	119	119	CGCCTCTTGACTTTTTTTTTTTTTTTTTTTTTTACCGACAGTAC
612	118	118	TTTTTTTTTTTATCAACTCCTAGTGGCGTCAAGAGGTGCCTC
613	118	118	TGGCTGTCATGTCACCGCAGT
614	118	118	CATACGTCGATAGGCACGCCT
615	117	117	TTTTTTTTTTAAGTGATTCATGTACATTCTGGTTTTTTTTTTT
616	117	117	CATGTAAGACC
617	117	117	CCTCAAGTATCCTTCGTCACCTTTTTTTTTTTTACAGTGATCTT
618	117	117	TTTTTTTTTTAAGATCACTGTGTCGCACGTGGTTTTTTTTTTT
619	117	117	CCATGTCACATTTTTTTTTTTTTTTTTTTTTTTAATATACGCGC
620	117	117	TTTTTTTTTTTGC GCGTATATTAGGTGCCTTCGTTTTTTTTTTT
621	117	117	CACTGCGGTTATTTTTTTTTTTTTTTTTTTTTTTAATGTCCGGTC
622	117	117	TTTTTTTTTTTGACCGGACATTCTATTCACCAGTTTTTTTTTTT
623	117	117	CGTGATCTAGCTTTTTTTTTTTTTTTTTTTTTTTACATAGAGGTT
624	116	116	TTTTTTTTTTTTTGTGATTACTTGTGCAGCTGGTTTTTTTTTTT
625	116	116	CATCTGCGTCATTTTTTTTTTTTTTTTTTTTTTTACTGCGGCTAA
626	116	116	TTTTTTTTTTTTTAGCCGCAGTCTATTACTAGGTTTTTTTTTTT
627	116	116	CACTAATAGACTTTTTTTTTTTTTTTTTTTTTTTAACGTGCATCG
628	116	116	CATCGTCTCCATTTTTTTTTTTTTTTTTTTTTTTAACAGCGTACA
629	115	115	TTTTTTTTTTTTTGTATGATCGTGATCGTATTCGTTTTTTTTTTT
630	115	115	TGCAGTAGTTTGTACGCTGTT
631	115	115	TTGTCGCATGTTTGATGACGT
632	114	114	CCTAGTAATAGTTTTTTTTTTTTTTTTTTTTTTTACATGCGTATG
633	114	114	TACAAGGTGATACTCGCTGCTCTAGGCTAATGTTTTTTTTTTT
634	114	114	CCAGCTGCACATTTTTTTTTTTTTTTTTTTTTTTAGCAGCGAGTA
635	113	113	TCGTCGCTCATAGTGAACAT
636	112	112	TTTTTTTTTTTTGTAGGCCTTTAACATCAGGAAAGCCATCCAT

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637	112	112	TCCTGATGTTATGTTCCACT
638	112	112	TCACCTTGTATTGTAGTCCT
639	112	112	TTTTTTTTTTATGGATGGCTTATGTGTAGTCGTTTTTTTTTT
640	112	112	CATTAGCCTAGTTTTTTTTTTTTTTTTTTTTTTAGAGACCTCGC
641	112	112	TTTTTTTTTTGCGAGGTCTCTACACTGGTCTGTTTTTTTTTT
642	112	112	CTATCTAACGTTTTTTTTTTTTTTTTTTTTTATATATTGCGA
643	112	112	TTTTTTTTTTTCGCAATATATGTAGCATGTAGTTTTTTTTTT
644	112	112	CGCCACGTCTCTTTTTTTTTTTTTTTTTTTTAACTCACTTAG
645	112	112	TTTTTTTTTTCTAAGTGAGTTGTGTATGCCGGTTTTTTTTTT
646	112	112	CTGCACATCAGTTTTTTTTTTTTTTTTTTTTTATATGCAGGTT
647	112	112	TTTTTTTTTTAACTGCATATAGTACTACCTGTTTTTTTTTT
648	112	112	CGTCTTCGTGTTTTTTTTTTTTTTTTTTTTTATCTCTAGGTC
649	112	112	TTTTTTTTTTGACCTAGAGATGTTTCGCATTAGTTTTTTTTTT
650	112	112	CAGTATCAGCATTTTTTTTTTTTTTTTTTTTTTACTGCTCAGTT
651	112	112	TTTTTTTTTTAACTGAGCAGTTAACTGCGACGTTTTTTTTTT
652	112	112	CCATCTAGCACTTTTTTTTTTTTTTTTTTTTTTAAAGTGTCGTA
653	111	111	TTTTTTTTTTCTGAGGCGTTTACTGCATCGTGTTTTTTTTTT
654	111	111	CTGTTCGTGCCTTTTTTTTTTTTTTTTTTTTTTAGACATGCAGA
655	111	111	TTTTTTTTTTCTGCATGTCTATGTACGCTAGTTTTTTTTTT
656	111	111	CGAATCGTACATTTTTTTTTTTTTTTTTTTTTTATGAGTCTTGC
657	111	111	TTTTTTTTTTGCAAGACTCATGCTCGTGTCTGTTTTTTTTTT
658	111	111	CTCGCTGCGATTTTTTTTTTTTTTATTCGAACAGAGTAGAGTAGT
659	111	111	TTTTTTTTTTACTACTCTACTGCATTGCTCTGTTTTTTTTTT
660	111	111	CAGAGCAATGCTACACGTGTT
661	112	112	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAGTATGATTGG
662	112	112	TTTTTTTTTTCCAATCATACTTCTCTCCGGAGTTTTTTTTTT
663	112	112	CTCGCTGACCTTTTTTTTTTTTACATATAGGAAAATCACTCTG
664	112	112	TTTTTTTTTTTCAGAGTGATTTATTATAACCGGTTTTTTTTTT
665	112	112	CCGGTTATAATGACTCTAGAT

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666	113	113	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTATCTGATCTCA
667	113	113	TTTTTTTTTTTTTGAGATCAGATACACGCGCGTGACCGATTACA
668	113	113	CTCCGGCCTCTTTTTTTTTTTTTTTTTTTTTTTTACGTTCTGTCT
669	112	112	ACGTTAACGCAGACAGAACGT
670	111	111	TTTTTTTTTTTTCTAGAGACTTCAAGATCAACACAGGTGTCAC
671	111	111	GTTGATCTTG
672	111	111	GTTCTAGTTG
673	109	109	TTTTTTTTTTTGCCTCACCCTTCCGACGTCGGAGGACGTAAGT
674	109	109	CCTATCGACCGTTTTTTTTTTTTTTTTTTTTTTTTAGTAACCGTCC
675	108	108	TTTTTTTTTTTTTGACACACAGTGGTATACATGAGGTTGACAGC
676	108	108	CATGTATACCGGACGGTTACT
677	108	108	TTTTTTTTTTTGCTGTCAACCTTACAGATGTAGAGTGCTGTAT
678	108	108	CTAACTATGGTTTTTTTTTTTTTTTTTTTTTTTACGCAGGTAGG
679	106	106	ACATCATAAAAGATGGACTGT
680	106	106	TGTCAGGTAGAAAATACTACA
681	105	105	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAATATACGATC
682	104	104	TCAGTAAGTACATAGTCAACC
683	104	104	CACCGTGGCCTTGGTACTCTTTTTTTTTTTTTTTAGGTATATCGT
684	103	103	GTCACACGCGACGATATACCT
685	103	103	CCGATCTGTGATTTTTTTTTTTTTTTTTTTTTTTTACTAAGAGTAG
686	103	103	CATGTTAGAGATTTTTTTTTTTTTTTTTTTTTTTAATCTCTAGCA
687	102	102	CACGCAGCGAGCGCGTCTCCTTCCTTATAACTTTTTTTTTTTT
688	102	102	GTTATAAGGATGCTAGAGATT
689	102	102	TTAGAGATCGTAGGAATATTG
690	102	102	TTTTTTTTTTTACGATGATCTTCCACGCATAGTTTTTTTTTTT
691	102	102	ACTCCTAGGACTACTCTTAGT
692	102	102	TGATTCTCATCAGGATCCTCA
693	102	102	TTTTTTTTTTTCATGTAAGGTACCAATCATGGTTTTTTTTTTT
694	102	102	TTTTTTTTTTTTTATGAATGACTACTAGTGTTGACCTTACATGA

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695	102	102	CAACACTAGT
696	103	103	TTTTTTTTTTTGCAGCTTGCTAGTGGAGATCGAGCAGCCACA
697	103	103	CAGCGCAAGGATTTTTTTTTTTGGCTTAATCAAGCAAGCTCGC
698	103	103	TTTTTTTTTTTAACATGAATTTCTGCTGCAATGTTTTTTTTTT
699	103	103	CTGGTGCCTCATTTTTTTTTTTTTTTTTTTTTTTAAATTCATGTT
700	103	103	TTTTTTTTTTTGTAGTCTGTTTTCATTGCATCGTTTTTTTTTTT
701	103	103	TTTTTTTTTTTTACTCTCCTTTCTATCATGATAAACAGACTAC
702	103	103	ATCATGATAGCCAACGCCTCT
703	104	104	TTTTTTTTTTTCATTTCGTCTATCACGTGGTTCGATACGAGTAT
704	104	104	TTGCAGACATGTGCACCAAGC
705	105	105	CTGCATAAGCGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
706	105	105	TTTTTTTTTTTTATGCTAATCTATCTATAACCGTTTTTTTTTTT
707	105	105	CGCCGTGGCATTTTTTTTTTTTTTTTTTTTTTTTAGATTAGCATA
708	105	105	TTTTTTTTTTTTTATAAGGAGTCGATCTGCGAGTTTTTTTTTTT
709	105	105	CTATGGCTGCATTTTTTTTTTTTTTTTTTTTTTTACTCCTTATAA
710	105	105	TTTTTTTTTTTCGAATTCCTTTGGACTCACTGTTTTTTTTTTT
711	105	105	CTGCATGCGCATTTTTTTTTTTTTTTTTTTTTTTTAAGAGAATTCG
712	105	105	TTTTTTTTTTTGGTAGCATATTTGAGACATCGGTTTTTTTTTTT
713	105	105	CTGTGATAGGATTTTTTTTTTTTTTTTTTTTTTTAATATGCTACC
714	105	105	TTTTTTTTTTTCTCCGGCACATCATATAGTGTGTTTTTTTTTTT
715	105	105	CTGATTATGGATTTTTTTTTTTTTTTTTTTTTTTATGTGCCGGAG
716	104	104	TTTTTTTTTTTTTGCTGTTCGTCTTGCGCATAGCATGACGATTAG
717	104	104	GCTATGCGCAGGACGCTGTCT
718	105	105	CACTGACTATCTCGTTAACCTTTTTTTTTTTTAGACAGCGTCC
719	105	105	TTTTTTTTTTTGGAATTAGACTCAACGTATGCGATGAAGCTCA
720	105	105	TGTGCTATGCGTTGCATACGC
721	106	106	CAGTGTAGTACTTTTTTTTTTTTTTTTTTTTTTAACGCAACAGT
722	105	105	CCAAGAGACAGTTTTTTTTTTTTTTTTTTTTTTATCACAACCTCT
723	105	105	AGTCATTCGATCGTACAAGATGCCTACGTTGGTTTTTTTTTTT

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724	105	105	CTCTCACTCTATTTTTTTTTTTTTTTTTTTTTATCTTGTACGA
725	103	103	CGCTCAGTACTTTTTTTTTTTTTTTTTTTTTTAGTACAATTCT
726	102	102	TTTTTTTTTTTTTATACTATACTGCATTAAGTATTTTTTTTTT
727	102	102	CGTCGCATAACTTTTTTTTTTTTTTTTTTTTTTAGTATAGTATA
728	102	102	TTTTTTTTTTTTTCGCGCGAATATATATATACAGGTTTTTTTTTT
729	102	102	CAGGTAGGAGATTTTTTTTTTTTTTTTTTTTTTATATTCGCGCG
730	102	102	TTTTTTTTTTTTTAGATGAGAGTGCGTCAGAGTGTTTTTTTTTTT
731	102	102	CATTGATCGACTTTTTTTTTTTTTTTTTTTTTTACTCTCATCTA
732	102	102	TTTTTTTTTTTTTAGCATGTGCATTCACCTCGGTGTTTTTTTTTT
733	102	102	CCGGTACCGACTTTTTTTTTTTTTTTTTTTTTTATGCACATGCT
734	102	102	GATGTGCACGTTGCGATTAAATTGACCACTTCGTTTTTTTTTTT
735	102	102	CGAGTTACGGCTTTTTTTTTTTTTTTTTTTTTTATTAATCGCAA
736	101	101	CGCGAGTACTGGTGTGTCAATCGTGCACATCTTTTTTTTTTTT
737	101	101	TAATTAGCGTTGCACGTGTAG
738	101	101	CGAGTGAGAGAGAGTGTGTTCAGCACCGGAGTTTTTTTTTTTT
739	101	101	CATGAAGATATTTTTTTTTTTTTTTTTTTTTTAAACACAACCTCT
740	100	100	TTGTGTTGAGAGAGAGTGAGC
741	99	99	TGGATAGCAGGCTCACTCTC
742	99	99	CTCTCACTCGGACGATAGGT
743	97	97	CCGGAGCCGTATTTTTTTTTTTTTTTTTTTTTTAGGCCGTGTAC
744	97	97	TTTTTTTTTTTCGAGCCGCATTTGTGCGCACGAGTTTTTTTTTTT
745	97	97	CTAAGTCAGATTTTTTTTTTTTTTTTTTTTTTTAATGCGGCTCG
746	97	97	TTTTTTTTTTTGTACCCGGCCTCGCACGTATGGTTTTTTTTTTTT
747	97	97	CAGCTAGCGTGTTTTTTTTTTTTTTTTTTTTTTAGGCCGGTGAC
748	97	97	TCGTCAATGTCAACGAACATATATAGTGACTCGTTTTTTTTTTTT
749	97	97	CATACGTTCACTTTTTTTTTTTTTTTTTTTTTTATATGTTTCGTT
750	94	94	TCGATGGTAGATGGACTAGATACCTGAACGTGTTTTTTTTTTTT
751	94	94	CAGCAGCGAGATTTTTTTTTTTTTTTTTTTTTTATCTAGTCCAT
752	93	93	TAGATCAGGTAGATGGTAGCT

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753	88	88	CGCATCATGCGTTTTTTTTTTTTTTTTTTTTTACCGGTGCCGT
754	88	88	TTTTTTTTTTTTTGTAGAGAATAGATGTATAGGTTTTTTTTTT
755	88	88	CGCATATACTGTTTTTTTTTTTTTTTTTTTTTATTCTCTACAA
756	88	88	TCCTGTGCCTCGCAGATGTGTATACATTATGGTTTTTTTTTTT
757	88	88	CCGGTTCGACTTTTTTTTTTTTTTTTTTTTTTACACATCTGCG
758	87	87	CTACAGCGTGTGAAGGAACATAGGCACAGGATTTTTTTTTTTT
759	87	87	TGTGTAGACGCTCCGTGTCCT
760	87	87	GAATATCGTTAGCTCATCATTTAACACCACAGTTTTTTTTTTT
761	87	87	CAGGTCTTCGTTTTTTTTTTTTTTTTTTTTTAATGATGAGCT
762	86	86	TTACTACTCGATTGCTATAAG
763	85	85	CATGAGAGGGCTTATAGCAA
764	85	85	AACGATATTCGGGAGAGTAC
765	84	84	TATCAGGCAAGTACTCTCCC
766	84	84	CCCTCTCATGAACGGACTAT
767	83	83	TTTTTTTTTTTAGTACGCATTAGACACAGTCGTTTTTTTTTTT
768	83	83	CTGAGACGCAGTTTTTTTTTTTTTTTTTTTTTAATGCGTACTA
769	83	83	AGAGTGCGTCCTAGCGTTGCTGTCACACTGTGTTTTTTTTTTT
770	83	83	CAGCGTATAGTTTTTTTTTTTTTTTTTTTTTTAGCAACGCTAG
771	82	82	CGACGCTATGCCTGAATACATGACGCACTCTTTTTTTTTTTT
772	82	82	TCGTTGCGATCCTGCGTGAGA
773	82	82	TTTTTTTTTTTCGCACCAGTCTCGTGCATAAGGTTTTTTTTTTT
774	82	82	CCAGAGCCGAGTTTTTTTTTTTTTTTTTTTTTTAGACTGGTGCG
775	81	81	CCTACTGATGACATAACCTTTTTTTTTTTTTTTATTTCAGCGATT
776	81	81	TTTTTTTTTTTAGTCATACATTGCTGCGCTGAGTTTTTTTTTTT
777	81	81	TATGGTGCAGCGACGCGACTC
778	82	82	CGTTAGCACTCTTTTTTTTTTTTTTTTTTTTTTAGTGATGACAA
779	82	82	TTTTTTTTTTTAACTCGAGATTACGCTACTTAGTTTTTTTTTTT
780	82	82	CTACGATACGCTTTTTTTTTTTTTTTTTTTTTTAATCTCGAGTT
781	82	82	TTTTTTTTTTTCCTCTGATGCTCGTCCGACGTGTTTTTTTTTTT

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782	82	82	CGCCGCATATATTTTTTTTTTTTTTTTTTTTTTTAGCATCAGAGG
783	81	81	CACTGGCTGGCTTTTTTTTTTTTTTTTTTTTTTAAACTGCTTGA
784	80	80	CTCTCGTGCAATTTTTTTTTTTTTTTTTTTTTTACTAACGCTCA
785	79	79	CGTATTGATGCTTTTTTTTTTTTTTTTTTTTTTAAACAGCTAATT
786	79	79	TTTTTTTTTTGTGCAATCGATGTACCAGCGTGTTTTTTTTTTT
787	79	79	CCATGCATAAGTTTTTTTTTTTTTTTTTTTTTATCGATTGCAC
788	79	79	TGTAACATGTAGTGCGTTACTACCGTCCACAGTTTTTTTTTTT
789	79	79	CTCCAGTGAACTTTTTTTTTTTTTTTTTTTTTTAGTAACGCACT
790	78	78	CCATGAGGACAGCGTGACTTACATGTTACATTTTTTTTTTTT
791	78	78	TCATTGCGTGATGTACAATGT
792	78	78	TTTTTTTTTTACGCGATCAGTCAGTTGTAGAGTTTTTTTTTTT
793	78	78	CGACGGTTAAGTTTTTTTTTTTTTTTTTTTTTACTGATCGCGT
794	78	78	TTTTTTTTTTGTCTGATAGTTACTCGATGCTGTTTTTTTTTTT
795	78	78	CATCTGTTTCGCTTTTTTTTTTTTTTTTTTTTTTAACTATCAGAC
796	78	78	CGGCGACGCGCTGTCTCACATGAGTTCAGTAGTTTTTTTTTTT
797	78	78	CCGCGCACATCTTTTTTTTTTTTTTTTTTTTTTATGTGAGACAG
798	77	77	TTTTTTTTTTCTCTCTGTCTTGATCTGTCCGGTTTTTTTTTTT
799	77	77	CCGTAGACTGCTTTTTTTTTTTTTTTTTTTTTTTAAGACAGAGAG
800	76	76	TTTTTTTTTTCCGCTCGTATTGAAGACCAGTGTTTTTTTTTTT
801	76	76	CACCGCATACATTTTTTTTTTTTTTTTTTTTTTTAATACGAGCGG
802	76	76	TTTTTTTTTTTCGTGTAGTCTACAGCTATTGGTTTTTTTTTTT
803	76	76	CTCATGATCTGTTTTTTTTTTTTTTTTTTTTTTAGACTACACGA
804	76	76	TTTTTTTTTTTCACATAGTTTATACAGTATGTTTTTTTTTTT
805	76	76	CGAGCACCATAATTTTTTTTTTTTTTTTTTTTTTAAACTATGTGA
806	76	76	TTTTTTTTTTACTTGGACGCTGTCTGTGACAGTTTTTTTTTTT
807	76	76	CACTATCTGATTTTTTTTTTTTTTTTTTTTTTTAGCGTCCAAGT
808	76	76	TTTTTTTTTTTCAGCTGCGTGTTAACAGTCAGGTTTTTTTTTTT
809	76	76	CTACATGCTTCTTTTTTTTTTTTTTTTTTTTTTTACACGCAGCTG
810	76	76	TTTTTTTTTTTATAGTCGTAATACGCAGCATCGTTTTTTTTTTT

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811	76	76	CCGCGTAAGATTTTTTTTTTTTTTTTTTTTTTTATTACGACTAT
812	76	76	TTTTTTTTTTTGGAACTACTATGTTCCCTTCCTGTTTTTTTTTT
813	76	76	CTGCGCAGTATTTTTTTTTTTTTTTTTTTTTTTATAGTAATCC
814	76	76	TTTTTTTTTTTATCAGTCGATCACAGTTGCTGTTTTTTTTTTT
815	76	76	CCGCGATTACATTTTTTTTTTTTTTTTTTTTTTTATCGACTGATA
816	76	76	TTTTTTTTTTTCATGATACTATTAATGCAGGAGTTTTTTTTTT
817	76	76	CGCGCTAATATTTTTTTTTTTTTTTTTTTTTTTTATAGTATCATG
818	76	76	CAATGCAGCAGGTGCCTTCTTGAAGCGCTCGGTTTTTTTTTTT
819	76	76	CGCCAGTACCTTTTTTTTTTTTTTTTTTTTTTTAAGAAGGCACC
820	75	75	CCGACCTTCTCGTACCACGGTTGCTGCATTGTTTTTTTTTTTT
821	75	75	TTCTTCCGTGGACGACGTAAC
822	75	75	TTTTTTTTTTTGGTATTAGTATTCAGTAGAGAGTTTTTTTTTTT
823	75	75	CATTGATATGCTTTTTTTTTTTTTTTTTTTTTTATACTAATACC
824	75	75	ACACATTGGTCGTGATGGTTTTTGATTCAGTCGTTTTTTTTTTT
825	75	75	CTGACCTTCCTTTTTTTTTTTTTTTTTTTTTTTTAAACCATCACG
826	74	74	CCGTGCGCTTAACCAGCGAGTACCAATGTGTTTTTTTTTTTTT
827	74	74	TTTGGTAGTGCTGGTTACACA
828	74	74	TTTTTTTTTTTCGTAGCTACCTGATCGTTAAGGTTTTTTTTTTT
829	74	74	CACTAGCCGGTTTTTTTTTTTTTTTTTTTTTTTAGGTAGCTACG
830	74	74	TTTTTTTTTTTATATACACTGTCTCATAAGTAGTTTTTTTTTTT
831	74	74	CGATCACCGCGTTTTTTTTTTTTTTTTTTTTTTTACAGTGTATAT
832	73	73	CCTCTATAGATTTTTTTTTTTTTTTTTTTTTTTTAGGACGCGACA
833	73	73	TTTTTTTTTTTGGTGCCTGTTTACTGTAAGTCGTTTTTTTTTTT
834	73	73	CACAGACAGCGTTTTTTTTTTTTTTTTTTTTTTTAAACAGGCACC
835	72	72	CGCTGCTAAAGTAGCTCCAATCAGTTGGACAGTTTTTTTTTTT
836	72	72	CCTCTACTAGATTTTTTTTTTTTTTTTTTTTTTTATTGGAGCTAC
837	71	71	TAACCTCGATGAAATCGTCGC
838	70	70	TTTTTTTTTTTACACTATGGTATACTACGCAGTTTTTTTTTTT
839	70	70	AGGCTAGATGGCGACGATTT

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840	70	70	TTTAGCAGCGGTAGATCGGA
841	70	70	TTTTTTTTTTTTTGCATAGTTATGACTCTGTGAACGGAACCA
842	70	70	CTGTCCAACGTGTTTTTTTTTTTTTTTTTTTTTTTAGGAGCGTCTT
843	69	69	TTTTTTTTTTTTTGTACTAGCCTTGACTCGCGCACGCTCACGAG
844	69	69	GCGCGAGTCAAAGACGCTCCT
845	69	69	TTTTTTTTTTCTCGTGAGCGTGATGACTGCTGAATCGTATAC
846	69	69	CGTCGATGTGTTTTTTTTTTTTTTTTTTTTTTTAACTTAGCTGT
847	68	68	TTTTTTTTTTTTTAGTAACGTTTGTAGCTCGTGGTTTTTTTTTTT
848	68	68	CTCATTGACAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
849	65	65	CTGTGATTCGTTTTTTTTTTTTTTTTTTTTTTTATTCATGTGAG
850	65	65	CCGTCGCGTGCTTTTTTTTTTTTTTTTTTTTTTTATTATCTGGCG
851	65	65	TTTTTTTTTTTGCTACTAATATCTTCGAACGAGAGCGCTACCT
852	65	65	ATGCCAGTCAGTGCAGCTAAT
853	65	65	TTTTTTTTTTTTTGACAGTTAGTGTACTGATTGGTTTTTTTTTTT
854	65	65	TGTAACAGACCATGACTAACC
855	66	66	GAAGCAGCCAACGACACCGGT
856	66	66	TTTTTTTTTTTTTCGCAGTCTTTCACGCACTACGTTTTTTTTTTT
857	66	66	TTCTATGCTCGTGCGTGATGC
858	58	58	TTTTTTTTTTTCAGTCGCAGGTACCTCGCGATGTTTTTTTTTTT
859	58	58	CGATCAGAGGATTTTTTTTTTTTTTTTTTTTTTTACCTGCGACTG
860	58	58	TTTTTTTTTTTGCGGCGCGAGTCAGTATTCGGTTTTTTTTTTT
861	58	58	TTTTTTTTTTTTTCTCATATCTTTAGGCGTCTACTCGCGCCGC
862	58	58	AGACGCCTAAGTCGTATGCAT
863	59	59	TTTTTTTTTTTAAAGCTACAGTTCATCATCTGAGATTGACGCTA
864	59	59	TGTAGATAGCGTAGTAGACTC
865	60	60	CACTGACCACGTTTTTTTTTTTTTTTTTTTTTTAGACTATGGTA
866	60	60	TTTTTTTTTTTTTCTCGGCCTCTATGTCATGTAGTTTTTTTTTTT
867	60	60	CTCGTACCTGCTTTTTTTTTTTTTTTTTTTTTTTAGAGGCCGAGA
868	60	60	GACTCATCGTTGTCTCGACATGCATGATCTGGTTTTTTTTTTT

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869	60	60	CCTCTCAGCAGTTTTTTTTTTTTTTTTTTTTATGTCGAGACA
870	59	59	CGAAGGTGCAGGCCGAGGAGTACGATGAGTCTTTTTTTTTTTT
871	59	59	TACAGCTCTGTTGCTACTCAG
872	59	59	TTTTTTTTTTTCATGACTTCATCAAGTACTGTGTTTTTTTTTTT
873	59	59	CGTGCGCCGTCTTTTTTTTTTTTTTTTTTTTTATGAAGTCATG
874	59	59	TTTTTTTTTTTATGGCCTGTCTCTATAGGCGAGTTTTTTTTTTT
875	59	59	CTCCGGCCTTATTTTTTTTTTTTTTTTTTTTTTTAGACAGGCCAT
876	58	58	TTTTTTTTTTTACGAATCATTCTCTCCGTCGTTTTTTTTTTTT
877	58	58	CTCTAGCTCGTTTTTTTTTTTTTTTTTTTTTTAATGATTTCGTA
878	58	58	TTTTTTTTTTTCGTTATGGCGTGCCGGCGATGGTTTTTTTTTTT
879	58	58	CGCATATATTATTTTTTTTTTTTTTTTTTTTTTACGCCATAACG
880	58	58	TTTTTTTTTTTGAGCTATTCCTTACACTATGAGTTTTTTTTTTT
881	58	58	CCAGTGACGTATTTTTTTTTTTTTTTTTTTTTTTAGGAATAGCTC
882	58	58	TTTTTTTTTTTCAGGAATTCATCACGCTTACTGTTTTTTTTTTT
883	58	58	CCTTCGTCTGATTTTTTTTTTTTTTTTTTTTTTTATGAATTCCTG
884	58	58	TTTTTTTTTTTCGTTACGGCGTTCTACGTGGAGTTTTTTTTTTT
885	58	58	CACCTAGACCTATGAAGTATTTTTTTTTTTTTTACGCCGTAACG
886	58	58	TTTTTTTTTTTTTGTAACGTGTTTCGAGTTGATGTTTTTTTTTTT
887	58	58	TTATCGGTCAAGCTCAACTAC
888	59	59	TTTTTTTTTTTTTGCATAGTGCTGGGATGACTCAAGTGCGCGTG
889	59	59	GAGTCATCCCGCAGTTAGATT
890	60	60	CTGCGGAATCTACGAATCAATTTTTTTTTTTTAACTAACTGC
891	60	60	TTTTTTTTTTTAAAGAGGCCATTAGGTAGAGCAGATGACTCGAG
892	60	60	TAATTCTCGATCCATCTCGTC
893	61	61	CGCATTACACCCGGCTCTCGTTTTTTTTTTTTTAGGCCGATGTT
894	61	61	TTTTTTTTTTTGACGCCAAGCTTCGCGCCATGGTTTTTTTTTTT
895	61	61	TGTAACGTACAGCGCGGTACC
896	62	62	CGAAGCTATCGTTTTTTTTTTTTTTTTTTTTTACCGTAGCGAG
897	61	61	GAACCTATAGTTCTCCAGACTCAGCAGAGCGGTTTTTTTTTTT

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898	61	61	CGTTGACAGAGTTTTTTTTTTTTTTTTTTTTTTAGTCTGGAGAA
899	60	60	TTTTTTTTTTTATACTATCAGTCAGTAGTCAGGTTTTTTTTTTT
900	60	60	CGTACAGGATATTTTTTTTTTTTTTTTTTTTTTACTGATAGTAT
901	60	60	TTTTTTTTTTTTTCAAGTGGTATCTAGCGGTTAGTTTTTTTTTTT
902	60	60	CGCTAGTGTACGTTATGACGTTTTTTTTTTTTTATACCACTTGA
903	60	60	TTTTTTTTTTTATGCGGCCGGTCTCACAGCGAGTTTTTTTTTTT
904	60	60	TACAACATTGGAGTGTGCTC
905	61	61	CTGTGGTACGTTTTTTTTTTTTTTTTTTTTTTTAGCAACTAACC
906	60	60	TTTTTTTTTTTTTCAATACCGGTAGTGGCGAACGTTTTTTTTTTT
907	60	60	CGATAATATACTTTTTTTTTTTTTTTTTTTTTTACCGGTATTGA
908	59	59	TTTTTTTTTTTATCTGTAACGTGCGCATCAGTGTTTTTTTTTTT
909	59	59	CGTCTCGAGCATTTTTTTTTTTTTTTTTTTTTTACGTTACAGAT
910	59	59	TTTTTTTTTTTCACATGCGCCTATTCCCTATGAGTTTTTTTTTTT
911	59	59	CCAGTGCGCTGTTTTTTTTTTTTTTTTTTTTTTTAGGCGCATGTG
912	58	58	CTATGGCCGACTTTTTTTTTTTTTTTTTTTTTTTACACATTAGCC
913	57	57	GCCGTAAGGAGGCCGCTTACTCTTATAATTCGTTTTTTTTTTT
914	57	57	CACTAGTCGTATTTTTTTTTTTTTTTTTTTTTTTAGTAAGCGGCC
915	56	56	CAGAAGCGCTGATTGATATATCTTCCATGCTGTTTTTTTTTTT
916	56	56	CTGTCAGTGACTIONTTTTTTTTTTTTTTTTTTTTTATATATCAATC
917	55	55	CTGGACAGCACTCTCCAGATTAGCGCTTCTGTTTTTTTTTTTTT
918	55	55	TATATAGTTAGTCGCGAAGAC
919	55	55	TTTTTTTTTTTAGATGGCGTTTATACAGTATCGTTTTTTTTTTT
920	55	55	CTAACACGCGCTTTTTTTTTTTTTTTTTTTTTTTAAACGCCATCT
921	55	55	GTCGGTTAAATCGAGTCATTTAGCACTTCATGTTTTTTTTTTT
922	55	55	CGCTCGCACGTTTTTTTTTTTTTTTTTTTTTTTTTAAATGACTCGA
923	54	54	TTTACTGAGCTAAATTGGCTG
924	52	52	CCTAGGACATATTTTTTTTTTTTTTTTTTTTTTTACAGCGATCAA
925	52	52	AGTAACAGTTCGAATCTCATTCTAATGAGTGTTTTTTTTTTT
926	52	52	CCTGCTCTGCATTTTTTTTTTTTTTTTTTTTTTTAATGAGATTCG

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927	51	51	TGATAGTCCGATAGCACCTGTGCGCAGCCAGAGTTTTTTTTTTT
928	51	51	CGTGCATCGGCTTTTTTTTTTTTTTTTTTTTTTACAGGTGCTAT
929	49	49	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAGGAGCCTTCG
930	48	48	CTGGATAAGCTCGACAGTCGTTTTTTTTTTTTTAGCTGAAC TAG
931	47	47	AGGCCGCTGGCTAGTTCAGCT
932	46	46	CCGTGCTACACCGACAGAGCTCGTCCATGACTTTTTTTTTTTT
933	46	46	GTCATGGACG
934	46	46	GCAGGTACTG
935	45	45	CTCGCTCCTCATTTTTTTTTTTTTTTTTTTTTTAATACATGGTG
936	45	45	TTTTTTTTTTTTTCGTACGCTAGACTATAGAGTTTTTTTTTTT
937	45	45	CCTGCCAGATGTTTTTTTTTTTTTTTTTTTTTTAGCGTGACGAA
938	45	45	TTTTTTTTTTTTACGCCAGTATTCCTGTATTCGTTTTTTTTTTT
939	45	45	CATCTGACGGCCTATCAACGTTTTTTTTTTTTTATACTGGCGTA
940	45	45	TTTTTTTTTTTTATATGCTACTTAGGATGCAGCGTTTTTTTTTTT
941	45	45	TTAGGAATGTTCCCTACGTCGC
942	46	46	CTGAGATTGAGTTTTTTTTTTTTTTTTTTTTTAACGCGGCGAC
943	46	46	TTTTTTTTTTTTCGAAGCTTACTCATACATGCAGTTTTTTTTTTT
944	46	46	CACCGTGTCGATTTTTTTTTTTTTTTTTTTTTTTAGTAAGCTTCG
945	46	46	TTTTTTTTTTTGCATCAACATCTGCCTTCACGTTTTTTTTTTT
946	46	46	CGCGCACAGCTTAATCTGTTTTTTTTTTTTTTATGTTGATCGC
947	46	46	TTTTTTTTTTTACTCTTCCAATATTACGGCCAGTTTTTTTTTTT
948	46	46	TCTGGACTCATAATGCCGGTC
949	47	47	CATTCCTGACATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
950	47	47	TTTTTTTTTTTGCTGAGATGCTTCGAGTCTAGGTTTTTTTTTTT
951	47	47	CTGGATCCTACTTTTTTTTTTTTTTTTTTTTTTTAGCATCTCAGC
952	47	47	TTTTTTTTTTTGAGACCACTCTTCAGTAACCAGTTTTTTTTTTT
953	47	47	CGATGATCAACTTTTTTTTTTTTTTTTTTTTTTTAGAGTGGTCTC
954	46	46	TTTTTTTTTTTGCCTCCGATGTCTCGCTGAGTTTTTTTTTTT
955	46	46	CATTAAC TCGATTTTTTTTTTTTTTTTTTTTTTTATCGGAGCGCA

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956	46	46	TTTTTTTTTTTGGAACATGCCTTAACCTATCTAGTTTTTTTTTT
957	46	46	TTTTTTTTTTTTTGACGTCCTCTGGACGATGTGAGGCATGTTCC
958	46	46	CACATCGTCCACTGAGAGTAT
959	47	47	TTTTTTTTTTTTTCACAGACAATTCCATGGAGCGAATAGCGTAT
960	47	47	CATCGCTCGTCTTTTTTTTTTTTTTTTTTTTTTTTATTGTCTGTGA
961	43	43	TTTTTTTTTTTTTGACGCGTCAATGACGGTAGACGTTTTTTTTTTT
962	43	43	CCTGCATGTAGTTTTTTTTTTTTTTTTTTTTTTTAATCCGCTGCA
963	42	42	CCTTATCGATGTTTTTTTTTTTTTTTTTTTTTTTAGCTGAACGAG
964	41	41	CTACTACGCGATCGTACTGTAAACAATCACGTTTTTTTTTTTTT
965	41	41	CGTGATTGTTCTCGTTCAGCT
966	41	41	TCGACTTGCTCTTGTTAGTGC
967	39	39	TTTTTTTTTTTTCCGATGCCGGTCAGAACTATAGTTTTTTTTTTT
968	39	39	CTATAGTTCTGTCTGAGTGCT
969	39	39	TCGTGAGTCTGTCTTGATATC
970	40	40	CCGGTTGATTGTTTTTTTTTTTTTTTTTTTTTTTATGAACATAGG
971	40	40	TTTTTTTTTTTTCGTACCAATCTTGACGGTACGTTTTTTTTTTTT
972	40	40	CAGAGCGTACGTTTTTTTTTTTTTTTTTTTTTTTAGATTGGTACG
973	40	40	TTTTTTTTTTTTGCTATGTTCTTGACGCGTCTGGTTTTTTTTTTT
974	40	40	CGCAGAGGTGCTTTTTTTTTTTTTTTTTTTTTTTAAGAACATAGC
975	40	40	TTTTTTTTTTTTTACCTGACGTTTCGTCTGTGTTGGTTTTTTTTTTT
976	40	40	TTTTTTTTTTTTTCACGTACGTTATCTTGAGCGAACGTCAGGTA
977	40	40	CGCTCAAGATAATGCAGCAAT
978	41	41	TTTTTTTTTTTTATCACAGCTGTTCGGTCAGTCTGAAGCTAGATG
979	41	41	TTTTTTTTTTTTTTGCGGTATCTCTGCACCAGTACAGCTGTGAT
980	41	41	ACTGGTGCAGCTGATTATGTT
981	41	41	TTGTATTAGTCGACGTGGTCA
982	42	42	GTCGAGTGACGTGATGCGTAT
983	43	43	CTAAGCATATACGCGGACTGTTTTTTTTTTTTTATACGCATCAC
984	43	43	TTTTTTTTTTTTCGTGTATCGGTGCGTCACTTCGAGGACGCAAG

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985	43	43	TCTATGGCGTCGCGAGTGAAGC
986	44	44	CATATATACCGAGGCGACTCT
987	44	44	TCTCAGCGGAGCCATATATAC
988	45	45	CTAAGCATATACGCGGACTGT
989	45	45	TGTCAGGCGCATATACGAATC
990	46	46	CCTGATCGCTGTT
991	46	46	CGTATAAGATAACGATACGATAGACAGGAAGGTTTTTTTTTTTTTTTTTTTT
992	46	46	CTCAGTATCGATTTTTTTTTTTTTTTTTTTTTTTTTTATCGTATCGTT
993	45	45	CAGTACTAGTGCAGAGTCGTCTATCTTATACGTTTTTTTTTTTTTTTTTTTT
994	45	45	TAGCATAGCAATAGAATATGC
995	43	43	GTCGGTGCTTCAGCTAGCGCTTAAGTATATCGTTTTTTTTTTTTTTTTTTTT
996	43	43	CCGGACGATAGTTTTTTTTTTTTTTTTTTTTTTTTTTTAGCGCTAGCTG
997	42	42	TCGCGATCGACTTCGTGGCTG
998	41	41	TAAGACCTTCCAGCCACGAA
999	41	41	AAGCACCGACCTTCCAGAAT
1000	40	40	TTTTTTTTTTTTTGCTACGATTCAATAGCTACATCAATAGCTT
1001	40	40	GTAGCTATTGATTCTGGAAG
1002	40	40	TTTTTTTTTTTAAGCTATTGATGAAGTGCGCAGTTTTTTTTTTTTTTTTTTTT
1003	41	41	TTTTTTTTTTTGCGTGGTGCATTCCACAAGTAGACTGATGTAG
1004	41	41	CGTGCACCTTGTTTTTTTTTTTTTTTTTTTTTTTTTTATGCACCACGC
1005	41	41	TTTTTTTTTTTTTGCAATCAGTACGTGTTAGTGTTTTTTTTTTTTTTTTTTTT
1006	41	41	CCTTGCATCAGTTTTTTTTTTTTTTTTTTTTTTTTTTACTGATTGCAA
1007	41	41	TTTTTTTTTTTTTACGCCGCGATTAGTACCTGCGTTTTTTTTTTTTTTTTTTTT
1008	41	41	TTTTTTTTTTTTTGATCAGGTATTTGTCACTCAATCGCGGCGTA
1009	41	41	TGAGTGACAAAGTAGGCCACT
1010	42	42	TTTTTTTTTTTGCTGGAGAGTTGGAACAGACGAAAGCGTCCG
1011	42	42	CGCCAATATCGTTTTTTTTTTTTTTTTTTTTTTTTTTACTCTCCAGCC
1012	42	42	TTTTTTTTTTTTTATCTTCTGTTATAGATTGAGGTTTTTTTTTTTTTTTTTTTT
1013	42	42	CTCCGAGAGCTTGCATGGCGTTTTTTTTTTTTTTAACAGAAGATA

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1014	42	42	TTTTTTTTTTTGCGCGGAACCTAGCGGTGATCGTTTTTTTTTTT
1015	42	42	TTGATAAGTATCGCCACTAGC
1016	43	43	CTCTAGATACTGTAGGCTCAT
1017	43	43	TACTCGGATGTCATAGATCTC
1018	44	44	TTTTTTTTTTTTGAACACTGTTTGGATGTACGATACGAGTCTG
1019	44	44	CGTACATCCACGCAGCACGCT
1020	44	44	TCGCACGACGCACCTACATGC
1021	45	45	TGCTAGTCTTTACTCGTGTTT
1022	45	45	TTTGTGCTCATTCTGATCGT
1023	46	46	TTCTAGACTGCCTTCATTGCA
1024	47	47	CGTTACACGAGTTTTTTTTTTTCGCATGGTGCAAGATCTGACG
1025	47	47	ACGTTACTTCCGTCAGATCTTGTAGAGCAGCGTTTTTTTTTTT
1026	47	47	CGCTGCTCTACCTTATGATGT
1027	48	48	TTTTTTTTTTTTTTTTTTTTTTTTTCGTGGCCATGAAGAGATGGTC
1028	48	48	TTTTTTTTTTTGACCATCTCTTTCCTATTGGCGTTTTTTTTTTT
1029	48	48	CGCCAATAGGAACGCTACTGT
1030	49	49	CCAGCCGCTTCTTTTTTTTTTTTTTTTTTTTTTACGTGCTGCTT
1031	49	49	TTTTTTTTTTTAAGCAGCACGTTCTCTACTAGGTTTTTTTTTTT
1032	49	49	CATCGTAGATCACCATACTATTGCATGTCTGTTTTTTTTTTTTT
1033	49	49	TTATGTATTACACGTACAGAC
1034	50	50	CCAGTCGACTCTTTTTTTTTTTTTTTTTTTTTTAATACATAATG
1035	50	50	CAGACATGCACATTATGTATTCGTGACCTTAGTTTTTTTTTTT
1036	50	50	CGCGTGTATACTACACTCAATCAGTTAGTACTTTTTTTTTTTT
1037	50	50	TATCATCTGAGGTCAATCATG
1038	51	51	GTACTAACTGGAGTCTACTATCTGCTCAGTCGTTTTTTTTTTT
1039	51	51	CGACTGAGCAGGCAGGTGAGT
1040	52	52	CCTTGTACGATTTTTTTTTTTTTTTTTTTTTATCACAACGTT
1041	52	52	TTTTTTTTTTTTATTACGACGTGTATACACGCGATGTTGCTGA
1042	52	52	TTTTTTTTTTTTGTTGGTCAGTGGATTTCGAGTACGTCGTAATA

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1043	52	52	ACTCGAATCCCTACTTAACAT
1044	53	53	CGTACCTTGGTTTTTTTTTTTTTTTTTTTTTATGTTAAGTAG
1045	53	53	TTTTTTTTTTTAGAACCTGATTTGTATCACATGAGAGACCGTC
1046	53	53	CTACGGAGTTGTTTTTTTTTTTTTTTTTTTTTAATCAGGTTCT
1047	53	53	TTTTTTTTTTTGGTTCATAGTTTATGACGATCGTTTTTTTTTTT
1048	53	53	CACGACGATCTCGGCGAGTGTTTTTTTTTTTTTAACATGAACC
1049	53	53	TTTTTTTTTTTTTATCGGCAGGTTGTGTCTGGTGTTTTTTTTTTT
1050	53	53	TCGTATCGGCACACAGACCAC
1051	54	54	CATATCAGCGATTTTTTTTTTTTTTTTTTTTTTATCTATTACTT
1052	54	54	TTTTTTTTTTTTTATCACGTAATTAAGTACTGCGTTTTTTTTTTT
1053	54	54	CGAACGTGTTATTTTTTTTTTTTTTTTTTTTTTATTACGTGATA
1054	54	54	TTTTTTTTTTTCAGAGTGACCTCACTGTTACTGTTTTTTTTTTT
1055	54	54	CTCCGCGACTATTTTTTTTTTTTTTTTTTTTTTAGGTCACCTCTG
1056	54	54	TTTTTTTTTTTCACGTTACATATGTTGATCAGTTTTTTTTTTT
1057	54	54	CTAATGCGAACTTTTTTTTTTTTTTTTTTTTTTATGTGAACGTG
1058	54	54	TTTTTTTTTTTCGAATGTCAATATTAATCGCGGTTTTTTTTTTT
1059	54	54	CCTCACGACAGTTTTTTTTTTTTTTTTTTTTTTATTGACATTCG
1060	54	54	TTTTTTTTTTTCGTACATCGCTTACGACACTCGTTTTTTTTTTT
1061	54	54	CCGAGAGTCTGCTACTGGATTTTTTTTTTTTTTAGCGATGTACG
1062	54	54	TTTTTTTTTTTTCGTAGTGCTTTGATAGGACAGTTTTTTTTTTT
1063	54	54	TGGAATGTAGACTATCCTGTC
1064	55	55	CAGCGTATGAGTTTTTTTTTTTTTTTTTTTTTAGCAATAGGAG
1065	55	55	TTTTTTTTTTTGCACCGGTGTTGGACTATGAGTTTTTTTTTTT
1066	55	55	CGATGCAGCATGTCGCAGCATTTTTTTTTTTTACACCGGTCGC
1067	55	55	TTTTTTTTTTTGTCAGATACGTCGATCTAGCTGTTTTTTTTTTT
1068	55	55	TGGTCGCAATGCTAGATCGAC
1069	56	56	CACCTCATGGCTTTTTTTTTTTTTTTTTTTTTTACGCCAAGCTC
1070	56	56	TTTTTTTTTTTACGGAATATATCGGTCTCGGTTTTTTTTTTT
1071	56	56	CTAGCTCGCCGTTTTTTTTTTTTTTTTTTTTTATATTCCGTAA

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1072	56	56	TTTTTTTTTTTACTGCGAAGTTAGATATCAGAGTTTTTTTTTTT
1073	56	56	CAGTCTCATCATTTTTTTTTTTTTTTTTTTTTTAACTTCGCAGT
1074	56	56	TTTTTTTTTTTTCTTAGTGATTCTGCCACGATGTTTTTTTTTTT
1075	56	56	CACATGCGAGCACACGTAGATTTTTTTTTTTTTTAATCACTAAGA
1076	56	56	TTTTTTTTTTTTCTCAGAGCGCTCACGCATGGCGTTTTTTTTTTT
1077	56	56	TGTAAGTCAGGTGCGTACCGC
1078	57	57	CGTCGTATCTATTTTTTTTTTTTTTTTTTTTTTATTGCGTGAC
1079	57	57	TTTTTTTTTTTCGCTGTCTCCTAGAGGTATCAGTTTTTTTTTTT
1080	57	57	CTACTCTGTGATTTTTTTTTTTTTTTTTTTTTTAGGAGACAGCG
1081	57	57	TTTTTTTTTTTAAGCTTGTAAGTCAACCGATGTGTTTTTTTTTTT
1082	57	57	CCTCTTGATCATTTTTTTTTTTTTTTTTTTTTTACTACAAGCTT
1083	57	57	TTTTTTTTTTTTGAATATGTGTCAGCTGTAGAGTTTTTTTTTTT
1084	57	57	CACACTCCAGCTTTTTTTTTTTTTTTTTTTTTTACACATATTCA
1085	57	57	TTTTTTTTTTTTGTGTAGGTGTCATGTATGGTGTTTTTTTTTTT
1086	57	57	CTATAGTCTCTTTTTTTTTTTTTTTTTTTTTTTACACCTACACA
1087	57	57	TTTTTTTTTTTAGTACGATCATTACAATTGACGTTTTTTTTTTT
1088	57	57	CTAACCTCACATTTTTTTTTTTTTTTTTTTTTTTATGATCGTACT
1089	56	56	TTTTTTTTTTTCGCGTATTCTTTAGTTCACGCGTTTTTTTTTTT
1090	56	56	CAGATGTCTTGTTTTTTTTTTTTTTTTTTTTTTAAGAATACGCG
1091	56	56	TTTTTTTTTTTTTGCACGAGTATCGGCAGGTCTGTTTTTTTTTTT
1092	56	56	TTTTTTTTTTTTTAGTAAGCACTACAGGTGCGTATACTCGTGCA
1093	56	56	ACGCACCTGTAGACATCTCGT
1094	57	57	TTTTTTTTTTTTTGAGCTGTCGTTACGTGCTAGGATGCATCTCT
1095	57	57	CTCATGACGCGTTTTTTTTTTTTTTTTTTTTTTTACGACAGCTCA
1096	57	57	TTTTTTTTTTTGAGTCCAGCTTTCCTTCCTGCGTTTTTTTTTTT
1097	57	57	CTGGCCGATCGTATCTAACCTTTTTTTTTTTTTTAAGCTGGACTC
1098	57	57	TTTTTTTTTTTGTAACAGTCGTGCAGCGTCTAGTTTTTTTTTTT
1099	57	57	TGTACTAGGACGTCGCAGATC
1100	58	58	CACAGGCTCTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

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1101	58	58	TTTTTTTTTTTACGCTTAGTTTATATGCTCAGGTTTTTTTTTT
1102	58	58	CTAATTGAGATTTTTTTTTTTTTTTTTTTTTTAACTAAGCGT
1103	58	58	TTTTTTTTTTTCTAGACTAGCTGCACTCACGAGTTTTTTTTTT
1104	58	58	CATGCCGGTTGTTTTTTTTTTTTTTTTTTTTTAGCTAGTCTAG
1105	58	58	CAGTCCGATCTATTCTGCATTTTTTTTTTTTTTACATCAGATCT
1106	58	58	TTTTTTTTTTTATCTATCTCTTCTCTTCATAGGTTTTTTTTTT
1107	58	58	TTTAGCTCACGAGAAGTATCC
1108	59	59	CCATGAGGAACGCCTGTGTGTTTTTTTTTTTTTTTTTTTTTT
1109	59	59	TTTTTTTTTTTTTGTCAACCAATGATCTAGAGCGTTTTTTTTTT
1110	59	59	TGATGCCGCGCTAGATCTCGC
1111	60	60	CAGCTACAGTGTTTTTTTTTTTTTTTTTTTTTAACATCGTGCG
1112	60	60	TTTTTTTTTTTAAGGTACTAATTAACCATATCGTTTTTTTTTT
1113	60	60	CTCATCAATTGTTTTTTTTTTTTTTTTTTTTTATTAGTACCTT
1114	60	60	TTTTTTTTTTTATCGCAGGTCTTAATAGGTGAGTTTTTTTTTT
1115	60	60	CACACCGTAACTTTTTTTTTTTTTTTTTTTTTTAGACCTGCGAT
1116	60	60	TTTTTTTTTTTACGATCTCTCTATCAACAGCAGTTTTTTTTTT
1117	60	60	CACCAACTGTGTTTTTTTTTTTTTTTTTTTTTTAGAGAGATCGT
1118	60	60	TTTTTTTTTTTCCAATGCTAGTGCGCCTCGTCGTTTTTTTTTT
1119	60	60	CGTAGCGCAAGTTTTTTTTTTTTTTTTTTTTTACTAGCATTGG
1120	60	60	TTTTTTTTTTTTTGCGCGATGCTTCGCGAGCGAGTTTTTTTTTT
1121	60	60	CTACGAGTGGTTTTTTTTTTTTTTTTTTTTTTAGCATCGCGCA
1122	60	60	TTTTTTTTTTTAGACTTCCTCTTCACACTAGTGTTTTTTTTTT
1123	60	60	CCATCTGAGCTTTTTTTTTTTTTTTTTTTTTTTAGAGGAAGTCT
1124	60	60	TTTTTTTTTTTGAGAGATCGTTGTACTCCGGTGTTTTTTTTTT
1125	60	60	TTTTTTTTTTTTTCTGGACGTTTGATACCGGAAACGATCTCTC
1126	60	60	TCCGGTATCATTCCTCTATCT
1127	61	61	TTTTTTTTTTTAAGATCACGGTTACTTCGTTTCGATTAATTCCA
1128	61	61	CTCCTGTCTGTTTTTTTTTTTTTTTTTTTTTTACCGTGATCTT
1129	61	61	TTTTTTTTTTTATGGCGCTGATAGAGACGAATGTTTTTTTTTT

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1130	61	61	TTTTTTTTTTTTTAAGTCACCTCGTGAGACTAATCAGCGCCAT
1131	61	61	TAGTCTCACGACTTCACTCGT
1132	62	62	TTTTTTTTTTTTAATCTTACATTACGTGCCGCGGATTCCGCAAT
1133	62	62	TTTTTTTTTTTTTCGATGTCTTGGAGTAGCATAATGTAAGATT
1134	62	62	ATGCTACTCCTCGTCAGAGAT
1135	63	63	TTTTTTTTTTTAGAATTCAGTTGCTACGCGGAGACTATATCAT
1136	63	63	CTCAGTAACCTTTTTTTTTTTTTTTTTTTTTTTTAACTGAATTCT
1137	63	63	TTTTTTTTTTTAAGTGATGATTTCCAAGAGTAGTTTTTTTTTTT
1138	63	63	CCTCATCGCGACACATAAGGTTTTTTTTTTTTTAAATCATCACTT
1139	63	63	TTTTTTTTTTTGGCTGTCCTATTCGTCACCTCGGTTTTTTTTTTT
1140	63	63	TATCATACAGAGCAGTGAGCC
1141	64	64	CATATACATGATTTTTTTTTTTTTTTTTTTTTTATGTCGGTATA
1142	64	64	TTTTTTTTTTTTCACATGATTTGTCGCACAGTGTTTTTTTTTTT
1143	64	64	CATCGAGCTTCTTTTTTTTTTTTTTTTTTTTTTTAAATCATGTGA
1144	64	64	ACGTTCCACGCTCACATGAAT
1145	64	64	TAAGTACACTCGCACCTTGCA
1146	64	64	TTTTTTTTTTTATCACTAGTTTGAGCTCGTCGATATGATGGC

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