

Wind turbine noise calculation results

ID	Distance to the Nearest WT (km)	Noise levels (dBA)	Noise levels (dBC)
1	1.502	32.1	54
2	1.466	31.7	54
3	0.66	41.8	58
4	0.843	39.2	57
5	1.749	27.2	50
6	1.306	29.5	50
7	1.029	38.4	57
8	1.7	32.4	52
9	0.941	35	54
10	0.738	40	59
11	0.609	41	58
12	0.703	38.1	57
13	0.58	39.2	59
14	0.819	38.2	56
15	6.372	13.5	37
16	0.62	39	58
17	1.332	31.9	53
18	0.626	37.5	56
19	1.045	36.4	54
20	0.641	41.4	58
21	0.613	39.3	58
22	1.096	36.5	56
23	0.711	38.2	56
24	0.623	38.7	58
25	0.58	40	58
26	0.463	44.7	63
27	1.98	30.9	54
28	1.844	27.1	49
29	0.725	38.9	56
30	0.985	37.2	56
31	0.957	31.8	52
32	0.771	42	59
33	0.702	39.1	57
34	1.434	28.5	49
35	3.39	17.5	38
36	1.094	34.7	54
37	0.845	34.1	54
38	0.619	39.8	57
39	0.678	40.9	57
40	0.699	41.7	58
41	0.77	39	58
42	0.566	41.5	61
43	0.742	39.6	56
44	0.496	41.5	60
45	1.748	29.6	51
46	1.155	32	52
47	0.571	42	59
48	1.686	30.7	53
49	1.372	32.7	53
50	1.308	31.1	51
51	1.71	27.9	50
52	0.679	41.1	58
53	1.536	31.7	53
54	1.377	28.9	50
55	0.784	39.9	57
56	1.406	33.2	53
57	0.626	40.2	58
58	0.862	38.6	57
59	0.59	39.4	57
60	1.603	31.3	53
61	0.311	44.7	61
62	0.676	39.8	58
63	0.619	36	55
64	1.019	34.2	54
65	1.024	37.4	56
66	1.754	30.8	53
67	2.162	29.8	52
68	0.644	40.4	57
69	1.039	37	56
70	1.306	35.8	56
71	0.694	39.9	58
72	1.338	32.8	54
73	0.773	38.1	56
74	0.486	45.1	63

File description: This file presents results from the calculation of wind turbine noise levels for 1238 homes in the study. Noise results are presented according to the distance from the closest wind turbine to the participant's home.

dBA calculations were based on wind turbine sound power levels from the manufacturers, which were verified for consistency with field measurements, and were derived according to international standards (ISO 9613-1 and ISO 9613-2), which were incorporated into a sound propagation modelling package (Cadna A version 4.4). The model also took into account geographical features which can influence sound propagation around the dwellings in the study, such as topography, vegetation and water features.

dBC noise levels were also derived from manufacturer supplied sound spectra and were supplemented by field measurements to extend the wind turbine sound power levels to lower frequencies (down to 16Hz). Following the same methodology and parameters that were used to determine A-weighted levels, the C-weighted sound levels were derived using the Cadna A version 4.4 software package.

The standard uncertainties in these results are +/- 30m for the distances to the nearest wind turbine and +/-5dB for the dBA and dBC noise levels for residences that are situated up to 1.6 km to the closest wind turbine. After 1.6 km, the uncertainties, evaluated according to the ISO 1996-2 standard, are derived according to the following formula: $1 + d/0.4$, where d represents the distance to the nearest turbine (in km). As such, the uncertainty for a dwelling that is situated 10km away would be +/- 26 dB.

When examining these results, it is important to keep in mind that although some dwellings may be situated at approximately the same distance to the nearest wind turbine, they can receive different noise levels. This can be explained by the fact that each residence can be exposed to different numbers and models of wind turbines, which can generate more or less noise depending on their power output and physical characteristics, as well as the different geographical features that surround each residence, which can have an impact on noise propagation.

75	0.517	43	61
76	6.55	18	45
77	0.966	39.5	58
78	1.272	34.3	53
79	0.663	36.5	55
80	3.883	24.2	48
81	0.773	40.6	57
82	1.766	27.6	50
83	1.628	33.4	54
84	0.963	37	56
85	0.657	41.4	61
86	0.636	41.2	59
87	1.534	31.4	53
88	0.73	38.4	57
89	1.224	33.4	54
90	0.582	42	60
91	1.365	35.3	54
92	0.615	37.5	55
93	2.307	29.4	52
94	1.202	32.3	52
95	0.559	37.3	56
96	0.707	41.4	58
97	0.75	42.7	59
98	0.66	38.8	55
99	7.089	8.3	30
100	0.68	40.4	59
101	7.926	10.8	37
102	0.659	39.3	56
103	0.552	41	60
104	1.07	34.6	53
105	4.6	19.4	44
106	0.617	40.9	58
107	0.721	39.2	56
108	0.509	43.8	62
109	1.379	32.1	54
110	1.112	34.8	53
111	1.154	37.3	56
112	1.6	34.9	56
113	1.086	35	55
114	0.707	39.7	56
115	4.251	25.3	50
116	1.373	32.2	54
117	0.623	40.7	57
118	1.434	32	53
119	1.393	32.3	53
120	0.856	37.6	55
121	1.685	30.4	52
122	1.695	31.3	54
123	0.651	36.9	55
124	1.504	34	54
125	0.793	38	56
126	1.327	32.5	54
127	1.185	35.6	55
128	2.495	24	47
129	0.701	36.9	56
130	1.453	28.9	50
131	0.749	41.4	59
132	1.34	35.8	56
133	0.93	35.5	55
134	3.026	23.9	47
135	0.736	40.6	57
136	0.889	37.2	56
137	0.77	38.9	58
138	1.728	27.1	49
139	1.102	35.6	55
140	9.467	7.1	34
141	1.269	36	56
142	1.823	31.9	54
143	0.89	37.4	56
144	0.916	35.6	56
145	7.699	13.3	40
146	8.604	5.6	28
147	1.14	31.3	53
148	1.426	33.8	54
149	1.038	32.2	53
150	0.859	40.5	58
151	1.074	31	51
152	1.575	31.6	54
153	0.75	36.1	54
154	0.808	36.2	56

155	0.678	39.8	57
156	0.456	38.9	57
157	0.841	35.3	54
158	1.029	32.8	53
159	0.639	42.1	61
160	1.155	36.3	57
161	2.116	29.9	52
162	0.726	41	58
163	0.698	39.9	59
164	0.761	41.4	60
165	0.93	36.5	55
166	1.104	36.9	56
167	11.218	0	0
168	1.294	31.5	53
169	0.588	40	58
170	9.064	7.6	35
171	1.384	28.9	50
172	0.778	36.7	56
173	1.412	32.6	54
174	0.725	38.2	55
175	0.497	41.9	61
176	0.441	39.5	57
177	0.77	36.5	55
178	1.648	31.2	53
179	0.907	36.9	55
180	0.521	42.2	61
181	1.438	32.2	53
182	1.54	31.3	53
183	0.607	37.6	56
184	0.675	41.2	58
185	1.505	28.4	50
186	1.19	33.1	53
187	1.039	36.9	57
188	0.733	38	57
189	0.465	40.6	58
190	0.699	40.7	58
191	0.896	35	54
192	0.662	40.4	58
193	0.866	36.1	55
194	0.584	42.6	61
195	10.092	0	0
196	0.819	40	57
197	0.971	36.9	56
198	0.625	38	56
199	0.922	35.7	55
200	0.737	35.4	54
201	1.601	29.6	51
202	1.62	27.6	49
203	1.892	30.1	53
204	0.937	37.1	56
205	0.489	40.4	60
206	0.412	43.6	60
207	0.904	34.8	54
208	0.687	39.6	59
209	1.114	37.9	56
210	1.655	30.7	53
211	1.005	35.9	55
212	0.966	37.7	56
213	0.919	33.7	54
214	0.617	40.2	58
215	0.512	41.2	60
216	0.578	42	60
217	0.742	38.6	56
218	0.605	37.5	56
219	7.131	14.8	41
220	1.097	38.1	57
221	1.459	32.1	54
222	0.705	38.5	55
223	0.564	40.8	58
224	1.421	32	53
225	1.339	31.2	51
226	0.947	37.1	56
227	0.939	33.5	54
228	1.488	27.7	47
229	0.824	38.1	58
230	0.515	40.9	57
231	1.01	40.4	58
232	1.493	32.4	53
233	1.395	29	50
234	0.957	36.7	55

235	1.373	35.6	56
236	1.343	29.3	50
237	0.752	36.3	57
238	1.047	40.3	58
239	0.683	40.8	59
240	0.445	42.8	61
241	0.663	40.8	58
242	1.405	32.5	53
243	0.594	40.6	59
244	0.691	36	55
245	1.035	37.1	56
246	0.625	40.7	57
247	1.666	30.8	53
248	1.708	28.9	51
249	1.278	37.5	57
250	0.646	41.1	57
251	0.674	38.3	58
252	1.006	37.4	56
253	1.23	31.9	52
254	1.339	37.3	56
255	0.722	36.5	56
256	0.834	36.2	56
257	0.998	37.8	56
258	0.893	36.9	56
259	0.733	37.7	57
260	0.825	35.9	55
261	1.082	35.3	55
262	0.988	34.3	55
263	0.765	39.7	57
264	1.209	34.5	54
265	0.998	33.9	53
266	1.671	27.4	49
267	0.867	35.9	56
268	0.851	38.6	55
269	0.684	41.2	58
270	1.388	31	52
271	1.343	35.7	56
272	0.623	39.9	56
273	1.486	36.4	56
274	0.718	37.8	58
275	0.835	39.7	57
276	1.874	26.3	48
277	1.004	35.9	54
278	0.467	41.4	57
279	1.18	34	54
280	0.99	38.4	57
281	1.437	32.3	53
282	1.37	33.9	53
283	1.402	28.8	50
284	1.15	33.4	53
285	0.814	36.2	55
286	1.561	31.4	54
287	8.368	3.1	26
288	0.486	40.4	60
289	0.935	37.5	55
290	1.144	36.2	54
291	1.206	34.7	54
292	10.044	0	0
293	0.606	41.2	58
294	1.505	31.7	53
295	1.389	32.2	54
296	10.404	0	0
297	0.845	37.8	56
298	1.007	37.8	56
299	0.591	41.4	60
300	1.173	36	56
301	0.708	38	57
302	0.673	38.3	58
303	1.058	37.2	56
304	1.166	33.2	54
305	0.458	40.8	58
306	0.928	34.7	55
307	2.075	27.9	50
308	0.73	37.7	57
309	0.766	37.7	56
310	0.611	39.8	58
311	0.86	37.2	57
312	0.76	41.6	58
313	1.13	35.1	55
314	1.497	34.9	54

315	1.326	35.5	56
316	1.108	33.9	55
317	0.794	39.7	59
318	0.956	39.3	57
319	1.006	36.6	55
320	1.166	32.9	54
321	0.666	40.5	57
322	1.72	27.1	50
323	0.734	42.6	59
324	0.675	37.1	56
325	0.951	36.9	57
326	0.994	37.2	57
327	1.31	29.4	50
328	0.551	39	57
329	1.24	35.2	54
330	0.787	41	57
331	0.474	43.7	62
332	0.682	38.7	56
333	8.096	3.7	26
334	0.567	39.5	59
335	0.594	38.9	58
336	2.682	29	51
337	0.553	42.1	59
338	1.219	36	56
339	1.409	29.8	51
340	7.339	14.3	41
341	1.172	36.2	57
342	1.211	32.8	53
343	0.983	34.7	54
344	0.705	38.6	56
345	0.801	35.8	56
346	0.933	36.9	56
347	1.583	31.5	54
348	1.715	29.9	52
349	1.807	31.7	54
350	1.635	31.6	54
351	0.65	40.4	59
352	0.738	38	57
353	1.077	36.9	55
354	0.856	34	54
355	0.928	38	57
356	0.825	34.1	53
357	1.348	32.4	53
358	0.513	40.5	56
359	3.67	21.1	45
360	1.038	34.7	53
361	0.848	36.6	57
362	1.921	28.4	51
363	0.497	42.1	58
364	1.249	36.4	55
365	1.202	35.7	55
366	3.382	24.5	49
367	8.516	11.4	39
368	1.262	31	52
369	1.242	33.6	54
370	1.007	36.3	55
371	1.59	31.6	53
372	0.62	39	57
373	0.582	41.3	60
374	0.618	41.2	58
375	0.632	41.2	57
376	1.324	35.6	56
377	0.567	39.2	59
378	1.435	31.8	53
379	0.777	40.1	58
380	1.689	32.3	52
381	0.736	40.6	57
382	1.437	32.3	53
383	0.493	42.6	61
384	0.911	35.2	54
385	3.063	23.3	46
386	1.066	34.8	54
387	1.621	31.7	53
388	0.661	39.6	57
389	1.239	36.1	56
390	0.534	39.1	57
391	1.006	35	53
392	1.197	37.3	57
393	0.736	39.2	58
394	0.566	37.8	56

395	1.147	34.9	54
396	1.069	31	51
397	0.958	37	56
398	1.438	30.7	51
399	0.923	39.7	57
400	0.652	35.9	54
401	1.483	30.8	53
402	1.426	32.4	53
403	0.986	34.1	53
404	0.467	41.3	61
405	0.399	43.9	60
406	1.089	32.4	52
407	0.649	39.6	59
408	1.027	35.8	55
409	1.484	28.6	49
410	0.644	39.1	58
411	0.844	38.1	55
412	5.394	18.2	43
413	0.704	36.6	55
414	1.251	33.6	54
415	0.975	32.7	52
416	2.104	26.8	49
417	1.329	33.6	54
418	0.905	35.2	54
419	1.133	35.7	55
420	0.571	40.6	58
421	0.611	40.9	58
422	0.663	38.8	55
423	3.613	22.2	46
424	0.678	40.7	58
425	3.093	22.9	46
426	1.651	30.2	51
427	0.696	40.2	59
428	0.667	40.8	58
429	0.674	38.6	55
430	0.621	38.9	57
431	2.063	27.4	49
432	0.861	38.8	56
433	0.683	39.4	58
434	1.083	38.2	56
435	0.587	40.5	57
436	1.481	34.1	55
437	0.741	35.9	55
438	2.013	29.4	53
439	9.095	8.7	36
440	2.66	25.3	49
441	1.78	33.3	53
442	1.117	34.7	54
443	0.623	40.9	58
444	0.73	38.6	59
445	0.738	40.3	59
446	0.735	38.8	56
447	4.529	18.7	44
448	0.713	36.8	55
449	1.547	34.7	54
450	0.621	41.2	58
451	0.565	38.4	56
452	0.841	34.9	54
453	8.905	10.9	38
454	0.928	35.6	54
455	6.964	15	41
456	6.644	16.6	43
457	1.797	31.5	53
458	0.925	35.5	56
459	0.712	39.3	57
460	0.931	37.1	56
461	0.994	35	55
462	0.786	37.4	56
463	0.571	40.2	59
464	0.955	36.7	55
465	1.05	35.5	55
466	0.82	39.5	57
467	0.582	42.5	61
468	0.537	39.8	58
469	0.666	41.1	59
470	0.628	39.8	59
471	1.021	33.4	55
472	1.463	35.1	56
473	0.496	38.2	57
474	1.44	30.7	52

475	1.24	34.2	54
476	1.843	31.4	54
477	0.697	38.7	59
478	9.604	2.5	30
479	1.328	29.3	50
480	0.852	41.2	59
481	0.723	40.6	57
482	0.855	37.3	56
483	1.432	30.6	51
484	1.164	37.9	57
485	8.775	10.6	37
486	0.96	37.6	57
487	1.558	31.8	53
488	1.741	29.9	52
489	1.274	35.6	56
490	9.619	7.1	34
491	0.769	38.6	57
492	0.516	39.1	57
493	0.824	39.2	56
494	1.32	32.5	54
495	1.012	35.8	55
496	1.293	29.5	50
497	1.43	31.9	53
498	0.734	41.2	58
499	0.971	34.8	54
500	6.198	18.2	44
501	0.632	36.7	55
502	0.735	38.5	59
503	0.622	40	57
504	1.532	31.2	53
505	0.707	35.9	54
506	1.166	33.3	53
507	0.892	39.4	57
508	0.941	38	57
509	2.198	29.9	53
510	0.565	43.2	59
511	0.987	35.3	55
512	0.978	40	60
513	0.524	43.3	59
514	9.305	5.1	26
515	1.761	32.4	53
516	9.386	8	35
517	0.72	38.2	57
518	2.268	29.8	52
519	1.252	32.7	54
520	0.717	39.4	58
521	1.394	32.6	53
522	0.738	36.9	57
523	0.656	39.1	57
524	1.475	32.8	53
525	1.801	30.7	53
526	0.736	34.8	53
527	1.33	35.6	56
528	2.916	26.7	50
529	1.315	31.9	52
530	1.528	28.2	49
531	4.148	14.6	36
532	0.533	42.4	60
533	1.088	35.6	55
534	1.043	36.1	54
535	1.327	32.5	54
536	1.006	35.6	54
537	0.552	39.9	59
538	8.417	11.5	38
539	0.884	39.7	58
540	0.586	40.2	58
541	1.465	30.3	52
542	0.547	37.4	55
543	0.639	39.2	55
544	0.79	38.3	57
545	1.379	32.5	54
546	0.403	41.7	61
547	0.667	41	58
548	0.406	43.8	63
549	1.062	34.8	54
550	2.691	30.5	53
551	0.911	35.5	56
552	0.993	37.9	57
553	8.538	8.2	35
554	1.297	35	54

555	9.104	7.6	35
556	0.713	37.5	56
557	0.659	41.2	61
558	0.816	38.1	58
559	0.533	40.8	59
560	1.592	27.9	48
561	0.751	39.3	57
562	1.427	32.3	54
563	0.801	36.8	57
564	0.936	33.2	53
565	0.708	38.6	56
566	1.506	28.4	50
567	0.763	41.2	58
568	1.04	39.5	58
569	1.656	30.8	53
570	0.666	36.7	55
571	2.653	27.9	50
572	1.055	37.2	56
573	0.624	37.4	56
574	1.812	30.6	53
575	0.523	41	60
576	1.182	36.7	56
577	0.711	35.2	53
578	1.18	33.1	54
579	0.978	36.9	56
580	1.21	33.1	54
581	0.885	36.5	56
582	0.801	40.9	57
583	0.902	36.4	56
584	0.683	40.5	57
585	0.936	36.4	55
586	0.845	35.5	56
587	2.853	27.6	51
588	0.828	40	57
589	2.531	24.9	48
590	8.116	13.6	40
591	0.715	38.6	57
592	1.041	37.2	56
593	1.048	34.1	54
594	0.738	40.6	58
595	0.549	42	58
596	0.943	34	55
597	1.186	35	54
598	2.12	29.8	53
599	9.658	1.8	29
600	1.439	32.2	53
601	1.034	35.9	57
602	0.812	37.3	55
603	1.389	28.8	50
604	0.717	41.3	58
605	0.593	38.7	57
606	0.652	40.9	59
607	1.703	30.7	53
608	0.661	40.7	58
609	0.643	39.7	56
610	1.416	32	54
611	9.062	8.8	36
612	0.427	42.8	60
613	0.639	42.6	61
614	0.556	40.1	59
615	0.963	34.7	54
616	1.499	31.9	53
617	0.808	39.3	58
618	1.542	28.3	50
619	0.808	36.5	56
620	0.486	45	63
621	1.291	35.3	55
622	1.134	36.1	56
623	1.954	30.6	54
624	0.64	37.2	56
625	0.569	40.7	59
626	0.741	40.6	57
627	1.745	32.5	52
628	2.035	30.9	54
629	1.591	27.8	49
630	1.162	33.3	53
631	0.429	44.6	60
632	1.279	32.5	54
633	1.022	36.2	55
634	0.896	37.3	55

635	0.946	39.6	57
636	1.392	32.5	54
637	0.478	44.6	63
638	1.73	31.7	53
639	1.375	29.6	51
640	0.849	38.4	57
641	0.469	44.8	63
642	0.656	41.4	58
643	0.745	34.8	53
644	0.842	37.2	56
645	2.066	29.7	52
646	0.858	40.2	58
647	0.825	37.4	55
648	2.002	26.1	49
649	0.647	40.7	58
650	0.74	40	59
651	1.489	31.5	52
652	1.726	31.2	54
653	0.733	34.8	54
654	0.611	39.9	56
655	1.382	37.3	56
656	0.501	40.1	58
657	1.477	31.5	52
658	0.768	40.5	58
659	0.734	41.1	58
660	0.649	38.8	59
661	5.169	11.8	34
662	1.012	37.1	55
663	0.891	35.5	54
664	1.01	36.8	56
665	1.693	30.4	52
666	1.685	33	53
667	0.557	39.2	58
668	0.655	37.4	56
669	0.792	36.9	57
670	10.407	0	0
671	1.38	32.8	54
672	0.937	32.4	52
673	1.44	32.3	54
674	1.684	32.2	52
675	0.568	39.9	59
676	1.373	30.5	51
677	1.238	33.6	54
678	2.291	26.9	50
679	0.929	36.1	56
680	1.595	34.9	56
681	0.974	34.7	54
682	0.77	39.8	59
683	0.754	39.5	57
684	0.661	38.9	57
685	1.323	35.8	56
686	0.712	37.3	57
687	1.244	33.7	54
688	0.729	40.9	58
689	0.633	39	58
690	0.616	39.9	59
691	1.084	35.5	55
692	1.249	35.1	53
693	0.511	43.3	62
694	1.381	37.3	56
695	8.45	12.7	41
696	0.709	40.8	58
697	1.491	32	54
698	0.901	37.1	56
699	0.793	35.8	55
700	0.318	44.7	61
701	1.448	32.3	54
702	0.927	36.7	57
703	0.616	38.9	58
704	1.683	29.9	51
705	1.716	30.7	53
706	0.849	39.8	57
707	7.486	14.7	41
708	1.526	31.7	53
709	0.883	40.9	58
710	7.733	12.3	38
711	0.962	38.4	57
712	0.791	37.8	56
713	0.881	39.4	57
714	0.742	40.8	58

715	1.009	39.2	58
716	1.018	35.9	55
717	1.409	28.9	50
718	1.115	36.3	56
719	0.81	39.8	58
720	0.807	38.6	58
721	1.818	29.1	51
722	1.405	31.7	52
723	0.687	38.8	58
724	1.149	37.8	57
725	0.673	40.1	59
726	1.41	28.7	49
727	0.532	42	60
728	8.929	7.8	35
729	0.64	39.5	58
730	1.523	32.1	54
731	1.868	28.9	51
732	0.68	38.8	57
733	0.935	39.2	57
734	1.066	31	51
735	1.199	36	55
736	1.432	32	53
737	1.399	32.3	54
738	2.013	30.9	50
739	0.943	37.1	56
740	0.685	40.8	58
741	0.833	37.3	57
742	0.838	34.2	54
743	1.234	33.7	54
744	0.53	37.8	56
745	0.888	32.9	52
746	1.651	30.9	53
747	1.312	33.3	54
748	8.536	11.3	39
749	2.646	24.4	48
750	0.921	37.9	58
751	1.571	29.6	51
752	0.743	39.3	56
753	0.556	41.3	60
754	0.764	36	56
755	0.563	42.4	59
756	10.758	0	0
757	0.383	44.6	63
758	0.819	36.1	55
759	9.611	1.9	29
760	0.696	42.1	59
761	1.575	29.7	51
762	1.011	36	55
763	0.937	37.1	56
764	0.752	40.2	56
765	0.655	40.1	57
766	2.32	24.4	49
767	0.865	37.5	56
768	1.724	33.6	53
769	0.709	41	58
770	0.667	41.9	60
771	0.677	40.3	57
772	0.604	40.3	57
773	1.194	32.2	52
774	1.426	33.7	54
775	0.606	41	58
776	1.428	32.3	53
777	0.947	36.4	55
778	2.056	30	52
779	1.939	31.5	53
780	1.325	37.7	56
781	1.202	32.7	54
782	1.123	33.3	54
783	0.784	38.5	59
784	0.765	40.4	58
785	0.554	42.5	59
786	1.226	37	56
787	0.838	38.4	58
788	0.785	39.6	59
789	1.885	26.5	50
790	0.699	37.1	56
791	0.841	39.8	58
792	1.399	30.7	51
793	1.2	35.6	55
794	1.53	31.6	54

795	1.445	32.2	54
796	1.205	34.7	54
797	1.677	30.9	53
798	0.958	35.2	53
799	1.055	36.9	54
800	1.214	34.8	54
801	0.267	45.5	61
802	1.175	35.6	55
803	0.698	39.1	57
804	0.787	41.2	58
805	0.563	42.1	58
806	1.581	31.1	53
807	1.12	35.8	56
808	0.797	39	59
809	0.903	36.1	56
810	1.258	35.5	55
811	0.658	39.7	57
812	0.784	38.9	57
813	0.839	40.7	59
814	0.847	39.2	58
815	1.246	33.9	53
816	0.836	38.2	57
817	1.335	32.9	53
818	0.79	37.6	57
819	0.335	46.1	62
820	3.34	22.5	46
821	0.576	37.4	56
822	0.848	40	57
823	0.631	39	58
824	0.714	36.5	56
825	8.849	1.2	24
826	0.658	36.6	55
827	1.519	31.5	53
828	0.848	37.6	56
829	0.595	41.7	58
830	1.677	30.7	53
831	0.855	37.2	56
832	8.44	3.2	26
833	0.651	41.7	58
834	0.78	36.6	57
835	1.218	34.3	54
836	0.848	36.1	55
837	1.725	32.2	52
838	0.962	37.4	56
839	1.117	36.9	56
840	1.333	33	54
841	1.06	35.4	56
842	0.844	38.8	56
843	2.041	28	51
844	1.119	34.7	55
845	1.752	27.7	50
846	1.018	37.2	56
847	1.094	35	51
848	1.304	33.9	54
849	0.684	39.8	56
850	0.951	37.8	55
851	1.343	35.4	56
852	6.439	17.2	43
853	1.561	31.3	53
854	0.974	36.2	55
855	0.789	40.3	57
856	1.793	29.7	50
857	0.774	39.5	52
858	0.859	36.2	56
859	1.397	35.6	55
860	0.437	43.2	62
861	1.815	30.4	53
862	1.257	35.8	56
863	0.987	36.4	55
864	0.72	39.9	56
865	1.184	36.4	56
866	1.474	36.4	56
867	8.714	5.2	28
868	1.084	36.5	56
869	0.655	41.8	59
870	1.154	34.5	54
871	0.665	41.4	58
872	1.293	37.3	57
873	2.295	29.3	50
874	0.631	38.8	58

875	1.084	39.5	58
876	1.838	27.1	49
877	0.897	36.4	56
878	0.25	46.1	62
879	1.567	30.5	51
880	1.618	27.6	49
881	0.638	36.7	55
882	0.653	40.8	58
883	0.575	40	58
884	0.984	35.6	56
885	0.796	39.3	58
886	1.048	38	55
887	1.63	31	53
888	1.47	33.6	53
889	0.832	36	56
890	1.184	35.9	55
891	1.509	31.3	52
892	1.02	36.1	55
893	1.222	34.2	54
894	0.58	37.8	56
895	0.668	38.6	56
896	0.982	36.4	55
897	1.6	30.4	51
898	0.618	41.7	61
899	0.72	37.8	57
900	1.044	36.6	56
901	1.048	32.1	52
902	1.111	33.9	55
903	1.204	35.7	56
904	0.891	33.7	53
905	9.526	7.5	33
906	0.706	39.4	56
907	1.416	28.9	50
908	1.132	33.5	53
909	0.52	43.5	61
910	2.556	26.8	48
911	0.753	38.1	54
912	1.47	35.2	55
913	3.801	22.8	47
914	0.896	34.1	53
915	0.553	41.4	58
916	1.897	31.2	54
917	1.677	29.2	51
918	0.752	38	56
919	1.366	35.6	56
920	1.225	32.7	53
921	1.033	34.8	55
922	1.181	35	54
923	0.955	39.5	58
924	0.844	39.3	59
925	0.902	39.5	57
926	1.512	32.2	54
927	0.73	39.5	56
928	0.696	39.5	58
929	1.472	31.7	53
930	1.535	31.9	53
931	0.596	41.4	59
932	0.86	33.9	54
933	0.959	37	56
934	0.516	40.7	59
935	0.474	43	61
936	2.719	25.8	50
937	0.542	42	59
938	3.33	26.7	51
939	0.552	39.5	59
940	0.744	36.2	56
941	0.965	38.1	56
942	1.444	32.8	53
943	1.146	35.1	55
944	0.907	39.3	58
945	0.67	36.5	55
946	0.863	40	57
947	0.589	37.7	56
948	0.606	40	56
949	1.411	32.3	54
950	0.693	38.5	56
951	0.737	41.5	59
952	0.675	38.2	58
953	0.598	40.5	59
954	0.988	34.5	54

955	1.027	38	56
956	1.106	32.4	52
957	1.019	37.4	56
958	0.598	37.6	56
959	1.307	33	53
960	0.566	41.1	58
961	0.819	39	57
962	0.787	41.4	57
963	0.665	40.1	59
964	0.548	40.2	58
965	1.061	39.2	58
966	1.54	28	49
967	0.71	40.2	59
968	5.396	13.7	36
969	0.694	40.2	57
970	0.334	43.4	60
971	0.71	36.4	56
972	1.322	29.3	50
973	1.434	34.5	54
974	0.984	37.8	56
975	1.78	32.3	53
976	0.768	38.8	57
977	1.02	36.3	57
978	1.375	29.7	50
979	0.732	38.2	58
980	1.52	32	54
981	0.695	41.1	57
982	0.638	39.1	58
983	7.68	13.4	40
984	0.797	38	56
985	0.655	35.7	55
986	0.576	37.4	56
987	1.01	36.8	56
988	1.222	31.3	52
989	1.036	32.6	52
990	0.68	40.7	59
991	1.416	32.4	53
992	1.251	35.9	56
993	0.965	35.4	54
994	0.564	37.8	56
995	0.652	36.9	56
996	1.042	34.2	55
997	1.446	33.6	54
998	1.98	31.3	54
999	0.63	36.4	55
1000	1.114	37.6	56
1001	0.712	42.1	61
1002	2.512	29.9	52
1003	0.737	41.6	58
1004	0.927	40.3	58
1005	1.387	28.8	50
1006	8.595	12.5	41
1007	1.082	37	56
1008	1.616	31.1	53
1009	0.482	40.7	59
1010	1.163	35.2	54
1011	0.582	39.4	57
1012	1.08	33.5	54
1013	0.711	41.8	60
1014	2.24	25.5	46
1015	1.749	29.6	51
1016	0.914	35.4	55
1017	1.327	32.5	53
1018	0.61	39.4	58
1019	1.795	32.7	52
1020	7.069	14.8	41
1021	0.746	41.1	58
1022	2.551	29.9	54
1023	0.821	37.9	56
1024	1.324	35.6	56
1025	0.957	36.4	55
1026	1.338	32.4	54
1027	0.963	33.2	52
1028	1.394	35.1	56
1029	1.313	34.8	55
1030	2.694	24.1	48
1031	0.869	39.2	57
1032	0.606	39.7	59
1033	0.551	39.9	56
1034	6.441	17.4	43

1035	1.689	32	53
1036	1.07	37.9	56
1037	0.586	37.7	57
1038	1.457	31.2	52
1039	1.472	31	52
1040	0.711	38.3	57
1041	0.591	39.4	56
1042	1.517	29.9	51
1043	1.709	30.2	53
1044	0.695	40.6	60
1045	1.777	32.4	53
1046	0.771	42.3	60
1047	0.578	39.8	58
1048	0.849	35.7	55
1049	1.165	32.6	52
1050	1.336	30.4	52
1051	0.8	39.5	56
1052	2.483	25.1	48
1053	0.971	38.2	57
1054	2.095	27	49
1055	1.53	31.8	53
1056	0.69	40.8	58
1057	0.898	35.9	56
1058	1.156	35.2	54
1059	1.186	33.1	53
1060	0.596	36.5	55
1061	1.26	32.9	53
1062	0.595	40.3	56
1063	0.644	39	55
1064	1.139	33.5	53
1065	0.823	40.1	57
1066	0.563	40	57
1067	0.972	33.3	53
1068	1.557	35	56
1069	9.252	7.2	34
1070	3.612	21.9	46
1071	0.794	37.6	57
1072	0.611	40.5	57
1073	0.56	43.6	59
1074	1.038	36.6	56
1075	0.983	36.8	55
1076	0.859	38.2	58
1077	0.674	41.5	59
1078	0.84	37.7	56
1079	1.596	31	53
1080	0.98	37.4	56
1081	0.691	37.2	56
1082	1.12	35	54
1083	0.55	39.4	59
1084	0.614	37	56
1085	0.837	38.5	56
1086	1.201	33.8	54
1087	0.744	39.4	58
1088	1.935	31	54
1089	1.152	34.8	54
1090	4.47	25.4	51
1091	0.877	36.9	56
1092	0.601	41	57
1093	1.536	31.1	52
1094	1.723	33.7	53
1095	1.396	35.6	55
1096	1.018	35.3	55
1097	1.395	32.4	53
1098	0.941	36.8	56
1099	3.796	22.6	47
1100	0.572	42.1	61
1101	1.033	36.9	56
1102	0.838	34.1	54
1103	1.277	35.8	56
1104	0.742	38.8	57
1105	9.382	5.4	33
1106	0.813	35.5	54
1107	0.537	40.8	60
1108	0.773	38.2	57
1109	0.648	39.9	56
1110	0.671	36.1	55
1111	0.806	41.5	58
1112	1.537	31.5	53
1113	3.805	19.3	42
1114	8.494	11	38

1115	0.668	40.8	58
1116	0.673	38.4	58
1117	0.741	41	57
1118	0.72	35.6	56
1119	1.235	35.1	52
1120	8.814	9.7	37
1121	0.878	36.2	56
1122	0.596	38.9	58
1123	9.112	7.6	35
1124	1.772	29.4	51
1125	1.004	36.3	55
1126	0.698	39	57
1127	0.809	37.9	56
1128	0.69	38.4	55
1129	0.325	42.4	60
1130	0.975	33.8	53
1131	1.586	31.2	53
1132	1.412	28.5	49
1133	1.805	31.7	54
1134	0.274	45.4	61
1135	0.951	40.3	58
1136	2.226	29.8	52
1137	0.749	40.7	58
1138	0.812	36.9	57
1139	0.912	36.8	56
1140	2.048	28.1	50
1141	1.39	29	50
1142	0.549	40.7	57
1143	1.318	29.3	50
1144	0.636	40.7	58
1145	0.83	35.8	56
1146	0.364	43.5	58
1147	1.134	34.3	55
1148	0.689	36.8	57
1149	0.73	41.8	59
1150	1.506	35	56
1151	0.976	35.4	54
1152	1.655	31.1	53
1153	1.25	34.4	54
1154	1.779	30	51
1155	6.57	15.8	41
1156	1.679	30	51
1157	0.699	38	57
1158	0.984	38.8	57
1159	1.46	35.1	56
1160	1.193	36.4	55
1161	0.598	39.5	57
1162	0.57	43.2	62
1163	0.867	37.7	56
1164	1.884	30.1	53
1165	0.985	33.1	53
1166	1.256	35.7	55
1167	0.624	40.8	57
1168	7.056	15.8	42
1169	1.426	32.4	53
1170	1.081	35	54
1171	0.965	34.3	53
1172	1.163	34.4	53
1173	1.367	35.7	55
1174	9.188	5.3	26
1175	0.965	37	57
1176	1.133	36.9	56
1177	2.034	28	51
1178	1.694	31.8	53
1179	0.996	38.8	56
1180	1.301	34.7	54
1181	0.928	39.3	58
1182	9.35	4.2	27
1183	0.774	37.6	55
1184	1.156	34.7	54
1185	0.722	37.8	58
1186	0.629	41.3	59
1187	1.366	32.6	54
1188	1.316	34.3	53
1189	0.735	37.4	56
1190	0.478	38.9	57
1191	1.605	34.8	56
1192	1.126	34.9	54
1193	0.88	33.6	54
1194	0.927	37.2	56

1195	0.926	38.3	56
1196	0.794	35.9	54
1197	0.719	35	53
1198	1.409	33.4	53
1199	1.977	30.8	54
1200	1.325	30.3	52
1201	0.88	35.5	54
1202	0.627	41.9	58
1203	0.874	33.8	53
1204	0.544	41.1	57
1205	0.743	38.2	56
1206	0.727	40.7	58
1207	1.731	29.6	52
1208	0.768	39.7	56
1209	0.613	40	56
1210	0.644	42	58
1211	1.459	30.6	52
1212	1.697	30.8	53
1213	0.788	41.5	59
1214	5.22	11.7	34
1215	0.521	38.4	56
1216	0.61	38.2	58
1217	0.831	36.6	57
1218	0.848	40.7	58
1219	1.361	32.9	54
1220	0.501	44.6	63
1221	0.783	34.9	54
1222	0.897	37.5	56
1223	1.123	35.4	55
1224	0.635	37.4	56
1225	0.81	36.2	56
1226	1.093	34.7	55
1227	0.805	37.5	56
1228	0.598	37.6	57
1229	0.533	40.8	59
1230	0.527	39.8	59
1231	1.391	32.8	54
1232	0.985	37.8	56
1233	0.965	34.8	55
1234	0.823	40.8	60
1235	0.778	40.1	58
1236	0.775	34.6	53
1237	0.885	36.6	56
1238	0.619	39	58

Calculs des niveaux sonores des éoliennes

ID	Distance à l'éolienne la plus rapprochée (km)	Niveaux sonores (dBA)	Niveaux sonores (dBC)
1	1.502	32.1	54
2	1.466	31.7	54
3	0.66	41.8	58
4	0.843	39.2	57
5	1.749	27.2	50
6	1.306	29.5	50
7	1.029	38.4	57
8	1.7	32.4	52
9	0.941	35	54
10	0.738	40	59
11	0.609	41	58
12	0.703	38.1	57
13	0.58	39.2	59
14	0.819	38.2	56
15	6.372	13.5	37
16	0.62	39	58
17	1.332	31.9	53
18	0.626	37.5	56
19	1.045	36.4	54
20	0.641	41.4	58
21	0.613	39.3	58
22	1.096	36.5	56
23	0.711	38.2	56
24	0.623	38.7	58
25	0.58	40	58
26	0.463	44.7	63
27	1.98	30.9	54
28	1.844	27.1	49
29	0.725	38.9	56
30	0.985	37.2	56
31	0.957	31.8	52
32	0.771	42	59
33	0.702	39.1	57
34	1.434	28.5	49
35	3.39	17.5	38
36	1.094	34.7	54
37	0.845	34.1	54
38	0.619	39.8	57
39	0.678	40.9	57
40	0.699	41.7	58
41	0.77	39	58
42	0.566	41.5	61
43	0.742	39.6	56
44	0.496	41.5	60
45	1.748	29.6	51
46	1.155	32	52
47	0.571	42	59
48	1.686	30.7	53
49	1.372	32.7	53
50	1.308	31.1	51
51	1.71	27.9	50
52	0.679	41.1	58
53	1.536	31.7	53
54	1.377	28.9	50
55	0.784	39.9	57
56	1.406	33.2	53
57	0.626	40.2	58
58	0.862	38.6	57
59	0.59	39.4	57
60	1.603	31.3	53
61	0.311	44.7	61
62	0.676	39.8	58
63	0.619	36	55
64	1.019	34.2	54
65	1.024	37.4	56
66	1.754	30.8	53
67	2.162	29.8	52
68	0.644	40.4	57
69	1.039	37	56
70	1.306	35.8	56
71	0.694	39.9	58
72	1.338	32.8	54
73	0.773	38.1	56
74	0.486	45.1	63
75	0.517	43	61
76	6.55	18	45
77	0.966	39.5	58
78	1.272	34.3	53

Description du fichier: Ce fichier présente les résultats des calculs de niveaux sonores pour les 1238 domiciles de l'étude. Ces résultats sont présentés en fonction de la distance de l'éolienne la plus rapprochée de la résidence d'un participant.

Les calculs pour obtenir les niveaux sonores pondérés en gamme A ont été basés à partir de niveaux de puissance acoustique fournis par les manufacturiers, dont les valeurs ont été vérifiées pour conformité à l'aide de mesures effectuées sur le terrain. Ces valeurs ont ensuite été incorporées dans un programme de modélisation de la propagation du son (Cadna A version 4.4), dont les paramètres de calculs sont basés sur des standards internationaux (ISO 9613-1 and ISO 9613-2). Le modèle de calcul a également tenu compte de facteurs qui peuvent influencer la propagation du son autour des résidences étudiées, tels que la topographie, la végétation, et l'hydrologie.

Afin d'obtenir les niveaux sonores pondérés en gamme C, les données de niveaux de puissance acoustique des éoliennes provenant des manufacturiers ont également été utilisées et complétées par des mesures prises sur le terrain afin d'étendre ces niveaux aux fréquences plus basses (jusqu'à 16Hz). En employant les mêmes paramètres, la même méthodologie et le même programme (Cadna A version 4.4) que ceux utilisés avec les niveaux pondérés en gamme A, il a été possible d'obtenir les niveaux sonores pondérés en gamme C.

Les niveaux d'incertitude standard de ces résultats sont de +/- 30m pour chaque distance de l'éolienne la plus rapprochée et de +/- 5dB pour les niveaux sonores pondérés en gamme A et C des résidences situées à moins de 1.6km d'une éolienne. Pour des distances supérieures à 1.6km, les niveaux d'incertitude tels qu'évalués à partir du standard ISO 1996-2 sont dérivés en fonction de la formule suivante: $1+d/0.4$, où d représente la distance jusqu'à l'éolienne la plus rapprochée (en km). Ainsi, l'incertitude pour une demeure qui est située à 10km de distance serait +/- 26 dB.

Il est important de tenir compte, lors de l'examen de ces résultats, que même si certaines résidences pourraient se situer à des distances similaires de l'éolienne la plus rapprochée, elles pourraient recevoir des niveaux sonores différents. Ceci s'explique par le fait que chaque résidence peut être exposée à un nombre et un modèle d'éolienne différents, qui peuvent produire des niveaux de bruit différents en fonction leurs puissances et caractéristiques physiques et également par le fait que chaque demeure est en présence de facteurs géographiques distincts qui peuvent avoir des effets différents sur la propagation du son.

79	0.663	36.5	55
80	3.883	24.2	48
81	0.773	40.6	57
82	1.766	27.6	50
83	1.628	33.4	54
84	0.963	37	56
85	0.657	41.4	61
86	0.636	41.2	59
87	1.534	31.4	53
88	0.73	38.4	57
89	1.224	33.4	54
90	0.582	42	60
91	1.365	35.3	54
92	0.615	37.5	55
93	2.307	29.4	52
94	1.202	32.3	52
95	0.559	37.3	56
96	0.707	41.4	58
97	0.75	42.7	59
98	0.66	38.8	55
99	7.089	8.3	30
100	0.68	40.4	59
101	7.926	10.8	37
102	0.659	39.3	56
103	0.552	41	60
104	1.07	34.6	53
105	4.6	19.4	44
106	0.617	40.9	58
107	0.721	39.2	56
108	0.509	43.8	62
109	1.379	32.1	54
110	1.112	34.8	53
111	1.154	37.3	56
112	1.6	34.9	56
113	1.086	35	55
114	0.707	39.7	56
115	4.251	25.3	50
116	1.373	32.2	54
117	0.623	40.7	57
118	1.434	32	53
119	1.393	32.3	53
120	0.856	37.6	55
121	1.685	30.4	52
122	1.695	31.3	54
123	0.651	36.9	55
124	1.504	34	54
125	0.793	38	56
126	1.327	32.5	54
127	1.185	35.6	55
128	2.495	24	47
129	0.701	36.9	56
130	1.453	28.9	50
131	0.749	41.4	59
132	1.34	35.8	56
133	0.93	35.5	55
134	3.026	23.9	47
135	0.736	40.6	57
136	0.889	37.2	56
137	0.77	38.9	58
138	1.728	27.1	49
139	1.102	35.6	55
140	9.467	7.1	34
141	1.269	36	56
142	1.823	31.9	54
143	0.89	37.4	56
144	0.916	35.6	56
145	7.699	13.3	40
146	8.604	5.6	28
147	1.14	31.3	53
148	1.426	33.8	54
149	1.038	32.2	53
150	0.859	40.5	58
151	1.074	31	51
152	1.575	31.6	54
153	0.75	36.1	54
154	0.808	36.2	56
155	0.678	39.8	57
156	0.456	38.9	57
157	0.841	35.3	54
158	1.029	32.8	53
159	0.639	42.1	61
160	1.155	36.3	57
161	2.116	29.9	52

162	0.726	41	58
163	0.698	39.9	59
164	0.761	41.4	60
165	0.93	36.5	55
166	1.104	36.9	56
167	11.218	0	0
168	1.294	31.5	53
169	0.588	40	58
170	9.064	7.6	35
171	1.384	28.9	50
172	0.778	36.7	56
173	1.412	32.6	54
174	0.725	38.2	55
175	0.497	41.9	61
176	0.441	39.5	57
177	0.77	36.5	55
178	1.648	31.2	53
179	0.907	36.9	55
180	0.521	42.2	61
181	1.438	32.2	53
182	1.54	31.3	53
183	0.607	37.6	56
184	0.675	41.2	58
185	1.505	28.4	50
186	1.19	33.1	53
187	1.039	36.9	57
188	0.733	38	57
189	0.465	40.6	58
190	0.699	40.7	58
191	0.896	35	54
192	0.662	40.4	58
193	0.866	36.1	55
194	0.584	42.6	61
195	10.092	0	0
196	0.819	40	57
197	0.971	36.9	56
198	0.625	38	56
199	0.922	35.7	55
200	0.737	35.4	54
201	1.601	29.6	51
202	1.62	27.6	49
203	1.892	30.1	53
204	0.937	37.1	56
205	0.489	40.4	60
206	0.412	43.6	60
207	0.904	34.8	54
208	0.687	39.6	59
209	1.114	37.9	56
210	1.655	30.7	53
211	1.005	35.9	55
212	0.966	37.7	56
213	0.919	33.7	54
214	0.617	40.2	58
215	0.512	41.2	60
216	0.578	42	60
217	0.742	38.6	56
218	0.605	37.5	56
219	7.131	14.8	41
220	1.097	38.1	57
221	1.459	32.1	54
222	0.705	38.5	55
223	0.564	40.8	58
224	1.421	32	53
225	1.339	31.2	51
226	0.947	37.1	56
227	0.939	33.5	54
228	1.488	27.7	47
229	0.824	38.1	58
230	0.515	40.9	57
231	1.01	40.4	58
232	1.493	32.4	53
233	1.395	29	50
234	0.957	36.7	55
235	1.373	35.6	56
236	1.343	29.3	50
237	0.752	36.3	57
238	1.047	40.3	58
239	0.683	40.8	59
240	0.445	42.8	61
241	0.663	40.8	58
242	1.405	32.5	53
243	0.594	40.6	59
244	0.691	36	55

245	1.035	37.1	56
246	0.625	40.7	57
247	1.666	30.8	53
248	1.708	28.9	51
249	1.278	37.5	57
250	0.646	41.1	57
251	0.674	38.3	58
252	1.006	37.4	56
253	1.23	31.9	52
254	1.339	37.3	56
255	0.722	36.5	56
256	0.834	36.2	56
257	0.998	37.8	56
258	0.893	36.9	56
259	0.733	37.7	57
260	0.825	35.9	55
261	1.082	35.3	55
262	0.988	34.3	55
263	0.765	39.7	57
264	1.209	34.5	54
265	0.998	33.9	53
266	1.671	27.4	49
267	0.867	35.9	56
268	0.851	38.6	55
269	0.684	41.2	58
270	1.388	31	52
271	1.343	35.7	56
272	0.623	39.9	56
273	1.486	36.4	56
274	0.718	37.8	58
275	0.835	39.7	57
276	1.874	26.3	48
277	1.004	35.9	54
278	0.467	41.4	57
279	1.18	34	54
280	0.99	38.4	57
281	1.437	32.3	53
282	1.37	33.9	53
283	1.402	28.8	50
284	1.15	33.4	53
285	0.814	36.2	55
286	1.561	31.4	54
287	8.368	3.1	26
288	0.486	40.4	60
289	0.935	37.5	55
290	1.144	36.2	54
291	1.206	34.7	54
292	10.044	0	0
293	0.606	41.2	58
294	1.505	31.7	53
295	1.389	32.2	54
296	10.404	0	0
297	0.845	37.8	56
298	1.007	37.8	56
299	0.591	41.4	60
300	1.173	36	56
301	0.708	38	57
302	0.673	38.3	58
303	1.058	37.2	56
304	1.166	33.2	54
305	0.458	40.8	58
306	0.928	34.7	55
307	2.075	27.9	50
308	0.73	37.7	57
309	0.766	37.7	56
310	0.611	39.8	58
311	0.86	37.2	57
312	0.76	41.6	58
313	1.13	35.1	55
314	1.497	34.9	54
315	1.326	35.5	56
316	1.108	33.9	55
317	0.794	39.7	59
318	0.956	39.3	57
319	1.006	36.6	55
320	1.166	32.9	54
321	0.666	40.5	57
322	1.72	27.1	50
323	0.734	42.6	59
324	0.675	37.1	56
325	0.951	36.9	57
326	0.994	37.2	57
327	1.31	29.4	50

328	0.551	39	57
329	1.24	35.2	54
330	0.787	41	57
331	0.474	43.7	62
332	0.682	38.7	56
333	8.096	3.7	26
334	0.567	39.5	59
335	0.594	38.9	58
336	2.682	29	51
337	0.553	42.1	59
338	1.219	36	56
339	1.409	29.8	51
340	7.339	14.3	41
341	1.172	36.2	57
342	1.211	32.8	53
343	0.983	34.7	54
344	0.705	38.6	56
345	0.801	35.8	56
346	0.933	36.9	56
347	1.583	31.5	54
348	1.715	29.9	52
349	1.807	31.7	54
350	1.635	31.6	54
351	0.65	40.4	59
352	0.738	38	57
353	1.077	36.9	55
354	0.856	34	54
355	0.928	38	57
356	0.825	34.1	53
357	1.348	32.4	53
358	0.513	40.5	56
359	3.67	21.1	45
360	1.038	34.7	53
361	0.848	36.6	57
362	1.921	28.4	51
363	0.497	42.1	58
364	1.249	36.4	55
365	1.202	35.7	55
366	3.382	24.5	49
367	8.516	11.4	39
368	1.262	31	52
369	1.242	33.6	54
370	1.007	36.3	55
371	1.59	31.6	53
372	0.62	39	57
373	0.582	41.3	60
374	0.618	41.2	58
375	0.632	41.2	57
376	1.324	35.6	56
377	0.567	39.2	59
378	1.435	31.8	53
379	0.777	40.1	58
380	1.689	32.3	52
381	0.736	40.6	57
382	1.437	32.3	53
383	0.493	42.6	61
384	0.911	35.2	54
385	3.063	23.3	46
386	1.066	34.8	54
387	1.621	31.7	53
388	0.661	39.6	57
389	1.239	36.1	56
390	0.534	39.1	57
391	1.006	35	53
392	1.197	37.3	57
393	0.736	39.2	58
394	0.566	37.8	56
395	1.147	34.9	54
396	1.069	31	51
397	0.958	37	56
398	1.438	30.7	51
399	0.923	39.7	57
400	0.652	35.9	54
401	1.483	30.8	53
402	1.426	32.4	53
403	0.986	34.1	53
404	0.467	41.3	61
405	0.399	43.9	60
406	1.089	32.4	52
407	0.649	39.6	59
408	1.027	35.8	55
409	1.484	28.6	49
410	0.644	39.1	58

411	0.844	38.1	55
412	5.394	18.2	43
413	0.704	36.6	55
414	1.251	33.6	54
415	0.975	32.7	52
416	2.104	26.8	49
417	1.329	33.6	54
418	0.905	35.2	54
419	1.133	35.7	55
420	0.571	40.6	58
421	0.611	40.9	58
422	0.663	38.8	55
423	3.613	22.2	46
424	0.678	40.7	58
425	3.093	22.9	46
426	1.651	30.2	51
427	0.696	40.2	59
428	0.667	40.8	58
429	0.674	38.6	55
430	0.621	38.9	57
431	2.063	27.4	49
432	0.861	38.8	56
433	0.683	39.4	58
434	1.083	38.2	56
435	0.587	40.5	57
436	1.481	34.1	55
437	0.741	35.9	55
438	2.013	29.4	53
439	9.095	8.7	36
440	2.66	25.3	49
441	1.78	33.3	53
442	1.117	34.7	54
443	0.623	40.9	58
444	0.73	38.6	59
445	0.738	40.3	59
446	0.735	38.8	56
447	4.529	18.7	44
448	0.713	36.8	55
449	1.547	34.7	54
450	0.621	41.2	58
451	0.565	38.4	56
452	0.841	34.9	54
453	8.905	10.9	38
454	0.928	35.6	54
455	6.964	15	41
456	6.644	16.6	43
457	1.797	31.5	53
458	0.925	35.5	56
459	0.712	39.3	57
460	0.931	37.1	56
461	0.994	35	55
462	0.786	37.4	56
463	0.571	40.2	59
464	0.955	36.7	55
465	1.05	35.5	55
466	0.82	39.5	57
467	0.582	42.5	61
468	0.537	39.8	58
469	0.666	41.1	59
470	0.628	39.8	59
471	1.021	33.4	55
472	1.463	35.1	56
473	0.496	38.2	57
474	1.44	30.7	52
475	1.24	34.2	54
476	1.843	31.4	54
477	0.697	38.7	59
478	9.604	2.5	30
479	1.328	29.3	50
480	0.852	41.2	59
481	0.723	40.6	57
482	0.855	37.3	56
483	1.432	30.6	51
484	1.164	37.9	57
485	8.775	10.6	37
486	0.96	37.6	57
487	1.558	31.8	53
488	1.741	29.9	52
489	1.274	35.6	56
490	9.619	7.1	34
491	0.769	38.6	57
492	0.516	39.1	57
493	0.824	39.2	56

494	1.32	32.5	54
495	1.012	35.8	55
496	1.293	29.5	50
497	1.43	31.9	53
498	0.734	41.2	58
499	0.971	34.8	54
500	6.198	18.2	44
501	0.632	36.7	55
502	0.735	38.5	59
503	0.622	40	57
504	1.532	31.2	53
505	0.707	35.9	54
506	1.166	33.3	53
507	0.892	39.4	57
508	0.941	38	57
509	2.198	29.9	53
510	0.565	43.2	59
511	0.987	35.3	55
512	0.978	40	60
513	0.524	43.3	59
514	9.305	5.1	26
515	1.761	32.4	53
516	9.386	8	35
517	0.72	38.2	57
518	2.268	29.8	52
519	1.252	32.7	54
520	0.717	39.4	58
521	1.394	32.6	53
522	0.738	36.9	57
523	0.656	39.1	57
524	1.475	32.8	53
525	1.801	30.7	53
526	0.736	34.8	53
527	1.33	35.6	56
528	2.916	26.7	50
529	1.315	31.9	52
530	1.528	28.2	49
531	4.148	14.6	36
532	0.533	42.4	60
533	1.088	35.6	55
534	1.043	36.1	54
535	1.327	32.5	54
536	1.006	35.6	54
537	0.552	39.9	59
538	8.417	11.5	38
539	0.884	39.7	58
540	0.586	40.2	58
541	1.465	30.3	52
542	0.547	37.4	55
543	0.639	39.2	55
544	0.79	38.3	57
545	1.379	32.5	54
546	0.403	41.7	61
547	0.667	41	58
548	0.406	43.8	63
549	1.062	34.8	54
550	2.691	30.5	53
551	0.911	35.5	56
552	0.993	37.9	57
553	8.538	8.2	35
554	1.297	35	54
555	9.104	7.6	35
556	0.713	37.5	56
557	0.659	41.2	61
558	0.816	38.1	58
559	0.533	40.8	59
560	1.592	27.9	48
561	0.751	39.3	57
562	1.427	32.3	54
563	0.801	36.8	57
564	0.936	33.2	53
565	0.708	38.6	56
566	1.506	28.4	50
567	0.763	41.2	58
568	1.04	39.5	58
569	1.656	30.8	53
570	0.666	36.7	55
571	2.653	27.9	50
572	1.055	37.2	56
573	0.624	37.4	56
574	1.812	30.6	53
575	0.523	41	60
576	1.182	36.7	56

577	0.711	35.2	53
578	1.18	33.1	54
579	0.978	36.9	56
580	1.21	33.1	54
581	0.885	36.5	56
582	0.801	40.9	57
583	0.902	36.4	56
584	0.683	40.5	57
585	0.936	36.4	55
586	0.845	35.5	56
587	2.853	27.6	51
588	0.828	40	57
589	2.531	24.9	48
590	8.116	13.6	40
591	0.715	38.6	57
592	1.041	37.2	56
593	1.048	34.1	54
594	0.738	40.6	58
595	0.549	42	58
596	0.943	34	55
597	1.186	35	54
598	2.12	29.8	53
599	9.658	1.8	29
600	1.439	32.2	53
601	1.034	35.9	57
602	0.812	37.3	55
603	1.389	28.8	50
604	0.717	41.3	58
605	0.593	38.7	57
606	0.652	40.9	59
607	1.703	30.7	53
608	0.661	40.7	58
609	0.643	39.7	56
610	1.416	32	54
611	9.062	8.8	36
612	0.427	42.8	60
613	0.639	42.6	61
614	0.556	40.1	59
615	0.963	34.7	54
616	1.499	31.9	53
617	0.808	39.3	58
618	1.542	28.3	50
619	0.808	36.5	56
620	0.486	45	63
621	1.291	35.3	55
622	1.134	36.1	56
623	1.954	30.6	54
624	0.64	37.2	56
625	0.569	40.7	59
626	0.741	40.6	57
627	1.745	32.5	52
628	2.035	30.9	54
629	1.591	27.8	49
630	1.162	33.3	53
631	0.429	44.6	60
632	1.279	32.5	54
633	1.022	36.2	55
634	0.896	37.3	55
635	0.946	39.6	57
636	1.392	32.5	54
637	0.478	44.6	63
638	1.73	31.7	53
639	1.375	29.6	51
640	0.849	38.4	57
641	0.469	44.8	63
642	0.656	41.4	58
643	0.745	34.8	53
644	0.842	37.2	56
645	2.066	29.7	52
646	0.858	40.2	58
647	0.825	37.4	55
648	2.002	26.1	49
649	0.647	40.7	58
650	0.74	40	59
651	1.489	31.5	52
652	1.726	31.2	54
653	0.733	34.8	54
654	0.611	39.9	56
655	1.382	37.3	56
656	0.501	40.1	58
657	1.477	31.5	52
658	0.768	40.5	58
659	0.734	41.1	58

660	0.649	38.8	59
661	5.169	11.8	34
662	1.012	37.1	55
663	0.891	35.5	54
664	1.01	36.8	56
665	1.693	30.4	52
666	1.685	33	53
667	0.557	39.2	58
668	0.655	37.4	56
669	0.792	36.9	57
670	10.407	0	0
671	1.38	32.8	54
672	0.937	32.4	52
673	1.44	32.3	54
674	1.684	32.2	52
675	0.568	39.9	59
676	1.373	30.5	51
677	1.238	33.6	54
678	2.291	26.9	50
679	0.929	36.1	56
680	1.595	34.9	56
681	0.974	34.7	54
682	0.77	39.8	59
683	0.754	39.5	57
684	0.661	38.9	57
685	1.323	35.8	56
686	0.712	37.3	57
687	1.244	33.7	54
688	0.729	40.9	58
689	0.633	39	58
690	0.616	39.9	59
691	1.084	35.5	55
692	1.249	35.1	53
693	0.511	43.3	62
694	1.381	37.3	56
695	8.45	12.7	41
696	0.709	40.8	58
697	1.491	32	54
698	0.901	37.1	56
699	0.793	35.8	55
700	0.318	44.7	61
701	1.448	32.3	54
702	0.927	36.7	57
703	0.616	38.9	58
704	1.683	29.9	51
705	1.716	30.7	53
706	0.849	39.8	57
707	7.486	14.7	41
708	1.526	31.7	53
709	0.883	40.9	58
710	7.733	12.3	38
711	0.962	38.4	57
712	0.791	37.8	56
713	0.881	39.4	57
714	0.742	40.8	58
715	1.009	39.2	58
716	1.018	35.9	55
717	1.409	28.9	50
718	1.115	36.3	56
719	0.81	39.8	58
720	0.807	38.6	58
721	1.818	29.1	51
722	1.405	31.7	52
723	0.687	38.8	58
724	1.149	37.8	57
725	0.673	40.1	59
726	1.41	28.7	49
727	0.532	42	60
728	8.929	7.8	35
729	0.64	39.5	58
730	1.523	32.1	54
731	1.868	28.9	51
732	0.68	38.8	57
733	0.935	39.2	57
734	1.066	31	51
735	1.199	36	55
736	1.432	32	53
737	1.399	32.3	54
738	2.013	30.9	50
739	0.943	37.1	56
740	0.685	40.8	58
741	0.833	37.3	57
742	0.838	34.2	54

743	1.234	33.7	54
744	0.53	37.8	56
745	0.888	32.9	52
746	1.651	30.9	53
747	1.312	33.3	54
748	8.536	11.3	39
749	2.646	24.4	48
750	0.921	37.9	58
751	1.571	29.6	51
752	0.743	39.3	56
753	0.556	41.3	60
754	0.764	36	56
755	0.563	42.4	59
756	10.758	0	0
757	0.383	44.6	63
758	0.819	36.1	55
759	9.611	1.9	29
760	0.696	42.1	59
761	1.575	29.7	51
762	1.011	36	55
763	0.937	37.1	56
764	0.752	40.2	56
765	0.655	40.1	57
766	2.32	24.4	49
767	0.865	37.5	56
768	1.724	33.6	53
769	0.709	41	58
770	0.667	41.9	60
771	0.677	40.3	57
772	0.604	40.3	57
773	1.194	32.2	52
774	1.426	33.7	54
775	0.606	41	58
776	1.428	32.3	53
777	0.947	36.4	55
778	2.056	30	52
779	1.939	31.5	53
780	1.325	37.7	56
781	1.202	32.7	54
782	1.123	33.3	54
783	0.784	38.5	59
784	0.765	40.4	58
785	0.554	42.5	59
786	1.226	37	56
787	0.838	38.4	58
788	0.785	39.6	59
789	1.885	26.5	50
790	0.699	37.1	56
791	0.841	39.8	58
792	1.399	30.7	51
793	1.2	35.6	55
794	1.53	31.6	54
795	1.445	32.2	54
796	1.205	34.7	54
797	1.677	30.9	53
798	0.958	35.2	53
799	1.055	36.9	54
800	1.214	34.8	54
801	0.267	45.5	61
802	1.175	35.6	55
803	0.698	39.1	57
804	0.787	41.2	58
805	0.563	42.1	58
806	1.581	31.1	53
807	1.12	35.8	56
808	0.797	39	59
809	0.903	36.1	56
810	1.258	35.5	55
811	0.658	39.7	57
812	0.784	38.9	57
813	0.839	40.7	59
814	0.847	39.2	58
815	1.246	33.9	53
816	0.836	38.2	57
817	1.335	32.9	53
818	0.79	37.6	57
819	0.335	46.1	62
820	3.34	22.5	46
821	0.576	37.4	56
822	0.848	40	57
823	0.631	39	58
824	0.714	36.5	56
825	8.849	1.2	24

826	0.658	36.6	55
827	1.519	31.5	53
828	0.848	37.6	56
829	0.595	41.7	58
830	1.677	30.7	53
831	0.855	37.2	56
832	8.44	3.2	26
833	0.651	41.7	58
834	0.78	36.6	57
835	1.218	34.3	54
836	0.848	36.1	55
837	1.725	32.2	52
838	0.962	37.4	56
839	1.117	36.9	56
840	1.333	33	54
841	1.06	35.4	56
842	0.844	38.8	56
843	2.041	28	51
844	1.119	34.7	55
845	1.752	27.7	50
846	1.018	37.2	56
847	1.094	35	51
848	1.304	33.9	54
849	0.684	39.8	56
850	0.951	37.8	55
851	1.343	35.4	56
852	6.439	17.2	43
853	1.561	31.3	53
854	0.974	36.2	55
855	0.789	40.3	57
856	1.793	29.7	50
857	0.774	39.5	52
858	0.859	36.2	56
859	1.397	35.6	55
860	0.437	43.2	62
861	1.815	30.4	53
862	1.257	35.8	56
863	0.987	36.4	55
864	0.72	39.9	56
865	1.184	36.4	56
866	1.474	36.4	56
867	8.714	5.2	28
868	1.084	36.5	56
869	0.655	41.8	59
870	1.154	34.5	54
871	0.665	41.4	58
872	1.293	37.3	57
873	2.295	29.3	50
874	0.631	38.8	58
875	1.084	39.5	58
876	1.838	27.1	49
877	0.897	36.4	56
878	0.25	46.1	62
879	1.567	30.5	51
880	1.618	27.6	49
881	0.638	36.7	55
882	0.653	40.8	58
883	0.575	40	58
884	0.984	35.6	56
885	0.796	39.3	58
886	1.048	38	55
887	1.63	31	53
888	1.47	33.6	53
889	0.832	36	56
890	1.184	35.9	55
891	1.509	31.3	52
892	1.02	36.1	55
893	1.222	34.2	54
894	0.58	37.8	56
895	0.668	38.6	56
896	0.982	36.4	55
897	1.6	30.4	51
898	0.618	41.7	61
899	0.72	37.8	57
900	1.044	36.6	56
901	1.048	32.1	52
902	1.111	33.9	55
903	1.204	35.7	56
904	0.891	33.7	53
905	9.526	7.5	33
906	0.706	39.4	56
907	1.416	28.9	50
908	1.132	33.5	53

909	0.52	43.5	61
910	2.556	26.8	48
911	0.753	38.1	54
912	1.47	35.2	55
913	3.801	22.8	47
914	0.896	34.1	53
915	0.553	41.4	58
916	1.897	31.2	54
917	1.677	29.2	51
918	0.752	38	56
919	1.366	35.6	56
920	1.225	32.7	53
921	1.033	34.8	55
922	1.181	35	54
923	0.955	39.5	58
924	0.844	39.3	59
925	0.902	39.5	57
926	1.512	32.2	54
927	0.73	39.5	56
928	0.696	39.5	58
929	1.472	31.7	53
930	1.535	31.9	53
931	0.596	41.4	59
932	0.86	33.9	54
933	0.959	37	56
934	0.516	40.7	59
935	0.474	43	61
936	2.719	25.8	50
937	0.542	42	59
938	3.33	26.7	51
939	0.552	39.5	59
940	0.744	36.2	56
941	0.965	38.1	56
942	1.444	32.8	53
943	1.146	35.1	55
944	0.907	39.3	58
945	0.67	36.5	55
946	0.863	40	57
947	0.589	37.7	56
948	0.606	40	56
949	1.411	32.3	54
950	0.693	38.5	56
951	0.737	41.5	59
952	0.675	38.2	58
953	0.598	40.5	59
954	0.988	34.5	54
955	1.027	38	56
956	1.106	32.4	52
957	1.019	37.4	56
958	0.598	37.6	56
959	1.307	33	53
960	0.566	41.1	58
961	0.819	39	57
962	0.787	41.4	57
963	0.665	40.1	59
964	0.548	40.2	58
965	1.061	39.2	58
966	1.54	28	49
967	0.71	40.2	59
968	5.396	13.7	36
969	0.694	40.2	57
970	0.334	43.4	60
971	0.71	36.4	56
972	1.322	29.3	50
973	1.434	34.5	54
974	0.984	37.8	56
975	1.78	32.3	53
976	0.768	38.8	57
977	1.02	36.3	57
978	1.375	29.7	50
979	0.732	38.2	58
980	1.52	32	54
981	0.695	41.1	57
982	0.638	39.1	58
983	7.68	13.4	40
984	0.797	38	56
985	0.655	35.7	55
986	0.576	37.4	56
987	1.01	36.8	56
988	1.222	31.3	52
989	1.036	32.6	52
990	0.68	40.7	59
991	1.416	32.4	53

992	1.251	35.9	56
993	0.965	35.4	54
994	0.564	37.8	56
995	0.652	36.9	56
996	1.042	34.2	55
997	1.446	33.6	54
998	1.98	31.3	54
999	0.63	36.4	55
1000	1.114	37.6	56
1001	0.712	42.1	61
1002	2.512	29.9	52
1003	0.737	41.6	58
1004	0.927	40.3	58
1005	1.387	28.8	50
1006	8.595	12.5	41
1007	1.082	37	56
1008	1.616	31.1	53
1009	0.482	40.7	59
1010	1.163	35.2	54
1011	0.582	39.4	57
1012	1.08	33.5	54
1013	0.711	41.8	60
1014	2.24	25.5	46
1015	1.749	29.6	51
1016	0.914	35.4	55
1017	1.327	32.5	53
1018	0.61	39.4	58
1019	1.795	32.7	52
1020	7.069	14.8	41
1021	0.746	41.1	58
1022	2.551	29.9	54
1023	0.821	37.9	56
1024	1.324	35.6	56
1025	0.957	36.4	55
1026	1.338	32.4	54
1027	0.963	33.2	52
1028	1.394	35.1	56
1029	1.313	34.8	55
1030	2.694	24.1	48
1031	0.869	39.2	57
1032	0.606	39.7	59
1033	0.551	39.9	56
1034	6.441	17.4	43
1035	1.689	32	53
1036	1.07	37.9	56
1037	0.586	37.7	57
1038	1.457	31.2	52
1039	1.472	31	52
1040	0.711	38.3	57
1041	0.591	39.4	56
1042	1.517	29.9	51
1043	1.709	30.2	53
1044	0.695	40.6	60
1045	1.777	32.4	53
1046	0.771	42.3	60
1047	0.578	39.8	58
1048	0.849	35.7	55
1049	1.165	32.6	52
1050	1.336	30.4	52
1051	0.8	39.5	56
1052	2.483	25.1	48
1053	0.971	38.2	57
1054	2.095	27	49
1055	1.53	31.8	53
1056	0.69	40.8	58
1057	0.898	35.9	56
1058	1.156	35.2	54
1059	1.186	33.1	53
1060	0.596	36.5	55
1061	1.26	32.9	53
1062	0.595	40.3	56
1063	0.644	39	55
1064	1.139	33.5	53
1065	0.823	40.1	57
1066	0.563	40	57
1067	0.972	33.3	53
1068	1.557	35	56
1069	9.252	7.2	34
1070	3.612	21.9	46
1071	0.794	37.6	57
1072	0.611	40.5	57
1073	0.56	43.6	59
1074	1.038	36.6	56

1075	0.983	36.8	55
1076	0.859	38.2	58
1077	0.674	41.5	59
1078	0.84	37.7	56
1079	1.596	31	53
1080	0.98	37.4	56
1081	0.691	37.2	56
1082	1.12	35	54
1083	0.55	39.4	59
1084	0.614	37	56
1085	0.837	38.5	56
1086	1.201	33.8	54
1087	0.744	39.4	58
1088	1.935	31	54
1089	1.152	34.8	54
1090	4.47	25.4	51
1091	0.877	36.9	56
1092	0.601	41	57
1093	1.536	31.1	52
1094	1.723	33.7	53
1095	1.396	35.6	55
1096	1.018	35.3	55
1097	1.395	32.4	53
1098	0.941	36.8	56
1099	3.796	22.6	47
1100	0.572	42.1	61
1101	1.033	36.9	56
1102	0.838	34.1	54
1103	1.277	35.8	56
1104	0.742	38.8	57
1105	9.382	5.4	33
1106	0.813	35.5	54
1107	0.537	40.8	60
1108	0.773	38.2	57
1109	0.648	39.9	56
1110	0.671	36.1	55
1111	0.806	41.5	58
1112	1.537	31.5	53
1113	3.805	19.3	42
1114	8.494	11	38
1115	0.668	40.8	58
1116	0.673	38.4	58
1117	0.741	41	57
1118	0.72	35.6	56
1119	1.235	35.1	52
1120	8.814	9.7	37
1121	0.878	36.2	56
1122	0.596	38.9	58
1123	9.112	7.6	35
1124	1.772	29.4	51
1125	1.004	36.3	55
1126	0.698	39	57
1127	0.809	37.9	56
1128	0.69	38.4	55
1129	0.325	42.4	60
1130	0.975	33.8	53
1131	1.586	31.2	53
1132	1.412	28.5	49
1133	1.805	31.7	54
1134	0.274	45.4	61
1135	0.951	40.3	58
1136	2.226	29.8	52
1137	0.749	40.7	58
1138	0.812	36.9	57
1139	0.912	36.8	56
1140	2.048	28.1	50
1141	1.39	29	50
1142	0.549	40.7	57
1143	1.318	29.3	50
1144	0.636	40.7	58
1145	0.83	35.8	56
1146	0.364	43.5	58
1147	1.134	34.3	55
1148	0.689	36.8	57
1149	0.73	41.8	59
1150	1.506	35	56
1151	0.976	35.4	54
1152	1.655	31.1	53
1153	1.25	34.4	54
1154	1.779	30	51
1155	6.57	15.8	41
1156	1.679	30	51
1157	0.699	38	57

1158	0.984	38.8	57
1159	1.46	35.1	56
1160	1.193	36.4	55
1161	0.598	39.5	57
1162	0.57	43.2	62
1163	0.867	37.7	56
1164	1.884	30.1	53
1165	0.985	33.1	53
1166	1.256	35.7	55
1167	0.624	40.8	57
1168	7.056	15.8	42
1169	1.426	32.4	53
1170	1.081	35	54
1171	0.965	34.3	53
1172	1.163	34.4	53
1173	1.367	35.7	55
1174	9.188	5.3	26
1175	0.965	37	57
1176	1.133	36.9	56
1177	2.034	28	51
1178	1.694	31.8	53
1179	0.996	38.8	56
1180	1.301	34.7	54
1181	0.928	39.3	58
1182	9.35	4.2	27
1183	0.774	37.6	55
1184	1.156	34.7	54
1185	0.722	37.8	58
1186	0.629	41.3	59
1187	1.366	32.6	54
1188	1.316	34.3	53
1189	0.735	37.4	56
1190	0.478	38.9	57
1191	1.605	34.8	56
1192	1.126	34.9	54
1193	0.88	33.6	54
1194	0.927	37.2	56
1195	0.926	38.3	56
1196	0.794	35.9	54
1197	0.719	35	53
1198	1.409	33.4	53
1199	1.977	30.8	54
1200	1.325	30.3	52
1201	0.88	35.5	54
1202	0.627	41.9	58
1203	0.874	33.8	53
1204	0.544	41.1	57
1205	0.743	38.2	56
1206	0.727	40.7	58
1207	1.731	29.6	52
1208	0.768	39.7	56
1209	0.613	40	56
1210	0.644	42	58
1211	1.459	30.6	52
1212	1.697	30.8	53
1213	0.788	41.5	59
1214	5.22	11.7	34
1215	0.521	38.4	56
1216	0.61	38.2	58
1217	0.831	36.6	57
1218	0.848	40.7	58
1219	1.361	32.9	54
1220	0.501	44.6	63
1221	0.783	34.9	54
1222	0.897	37.5	56
1223	1.123	35.4	55
1224	0.635	37.4	56
1225	0.81	36.2	56
1226	1.093	34.7	55
1227	0.805	37.5	56
1228	0.598	37.6	57
1229	0.533	40.8	59
1230	0.527	39.8	59
1231	1.391	32.8	54
1232	0.985	37.8	56
1233	0.965	34.8	55
1234	0.823	40.8	60
1235	0.778	40.1	58
1236	0.775	34.6	53
1237	0.885	36.6	56
1238	0.619	39	58