



March 25, 2021

The Honorable Chairman and Members of the
Hawaii Public Utilities Commission
Kekuanaoa Building, First Floor
465 South King Street
Honolulu, HI 96813

Subject: KIUC 2020 Annual Service Reliability Report

Dear Mr. Griffin:

As you know, KIUC normally submits an original and eight (8) copies of Kauai Island Utility Cooperative's 2020 Annual Service Reliability Report, however, in light of the COVID-19 situation, we will be submitting a PDF file instead.

If you have any questions regarding the attached report please contact Brad Rockwell at (808) 246-8289.

Very truly yours,

A handwritten signature in blue ink that reads "Brad W. Rockwell".

Brad W. Rockwell, P.E.
Chief of Operations

Enclosures

cc: Consumer Advocate
Tom Lovas



ANNUAL SERVICE RELIABILITY REPORT

2020

Prepared
March 25, 2021

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INTRODUCTION

This is the 2020 Annual Service Reliability Report (“Report”) of the Kaua`i Island Utility Cooperative (“KIUC”). The Report contains a five-year history of standard industry reliability indices in order to depict the quality of electrical service provided to the cooperative consumer/member. These reliability indices are calculated using the data from all sustained (i.e. one minute or longer) system interruptions.

If data normalization is required, it is done using the guidelines specified in the report entitled, “Methodology for Determining Reliability Indices for HECO Utilities,” dated December 1990. That report indicates that normalization is allowed for “abnormal” situations such as hurricane, tsunami, earthquake, flood, catastrophic equipment failure, and single outages that cascade into a loss of load greater than 10% of the system peak. Such normalizations are made because good engineering design – while accounting for safety, reliability, utility industry standards, and economics – cannot and should not always account for catastrophic events.

The Report also contains a detailed breakdown of interruption causes, which is used to determine steps to be taken to prevent recurrence of such interruptions.

DEFINITION OF TERMS

CUSTOMER INTERRUPTION

One interruption of one customer. Interruptions to customers at their request (e.g. customer maintenance) are not considered.

INTERRUPTION

The loss of service to one or more consumers and is a result of one or more component outages.

INTERRUPTION DURATION

The period from the initiation of an interruption to a consumer until service has been restored to that consumer.

MOMENTARY INTERRUPTION

An interruption that has duration limited to the period required to restore service by automatic or supervisory-controlled switching operations or by manual switching at locations where an operator is immediately available. Such switching operations must be completed in a specific time not to exceed one minute.

SUSTAINED INTERRUPTION

Any interruption not classified as a momentary interruption (i.e. greater than one minute in duration). Only this type of interruption is included in the reliability indices within this report.

RELIABILITY INDICES

Measurements used to indicate electrical service reliability. The indices used in this report conform to Institute of Electrical and Electronics Engineers (IEEE) standards. Four indices that convey a meaningful representation of the level of reliability were selected and are presented in this report. These reliability indices are as follows:

1. AVERAGE SERVICE AVAILABILITY (ASA)

Total customer hours actually served as a percentage of total customer hours possible during the year. This indicates the extent to which electrical service was available to all customers. This index has been commonly referred to as the "Index of Reliability."

2. CUSTOMER AVERAGE INTERRUPTION DURATION INDEX (CAIDI)

The interruption duration per customer interrupted during the year. This index indicates the average duration of an interruption for those customers affected by a sustained interruption.

3. SYSTEM AVERAGE INTERRUPTION DURATION INDEX (SAIDI)

The interruption duration per customer served during the year. This index indicates the average interruption time experienced by all customers serviced on the system.

4. SYSTEM AVERAGE INTERRUPTION FREQUENCY INDEX (SAIFI)

The number of customer interruptions per customer served during the year. This index indicates the average number of sustained interruptions experienced by all customers serviced on the system.

The reliability indices are related to each other in a few ways. For example, the product of CAIDI and SAIFI is SAIDI. SAIDI can then be used to find ASA, since SAIDI represents the time during a period without service, while ASA represents the percent of time during that same period with service. The reliability indices can be thought of more simply as:

1. The percent of time electrical service is available (ASA)
2. The amount of time electrical service is NOT available (SAIDI)
3. How long an interruption lasts (CAIDI)
4. How often an interruption occurs (SAIFI)

Table 1: 2014 – 2018 KIUC RELIABILITY INDICES

	2016	2017	2018	2019	2020
System Peak, MW	76.54	75.24	77.35	79.69	74.88
Customers, #	37,130	37,439	37,705	38,059	38,445
ASA, %	99.988	99.956	99.979	99.933	99.989
SAIFI, #	3.63	5.75	3.09	7.00	1.34
CAIDI, minutes	17.21	39.73	35.64	50.29	42.73
SAIDI, minutes	62.50	228.45	110.08	352.21	57.35

Note:

- None of the above data has been normalized.

2020 Outages of Significant Magnitude:

1. Interruption Report 279276, 3/28/20, 7:26 AM, 15,875 KWh – The customer, the Kauai Beach Resort, requested their power cut due to extreme flooding on the hotel property. The load was not restored for almost 32 hours. Once the site was de-watered and deemed safe by electricians, power was restored at the hotel's request.
2. Interruption Report 301701, 11/11/20, 10:27 AM, 7,863 KWh – A bad insulator on a pole with two distribution circuits failed, allowing a conductor from the top circuit to fall onto the bottom circuit, thus causing the loss of the two circuits simultaneously. The repair required both a new insulator and a new conductor.

Fig. 1: ASA (higher is better)

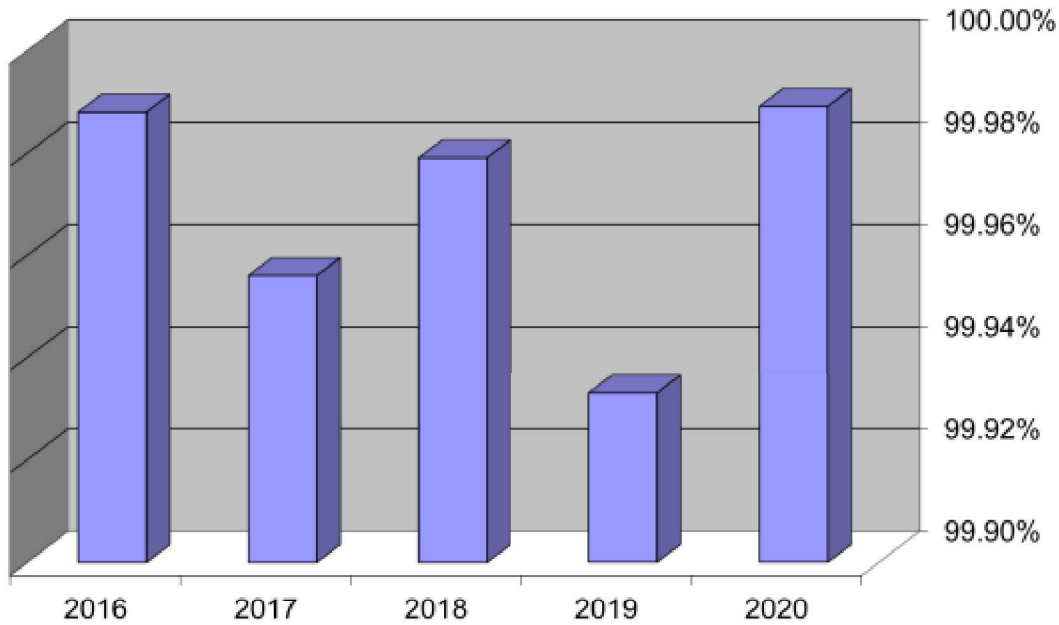


Figure 1 shows the Average System Availability (ASA) for the past five years. The 2020 ASA of 99.989% is the highest of the five-year period and better than the five-year average of 99.969%.

Fig. 2: SAIFI (lower is better)

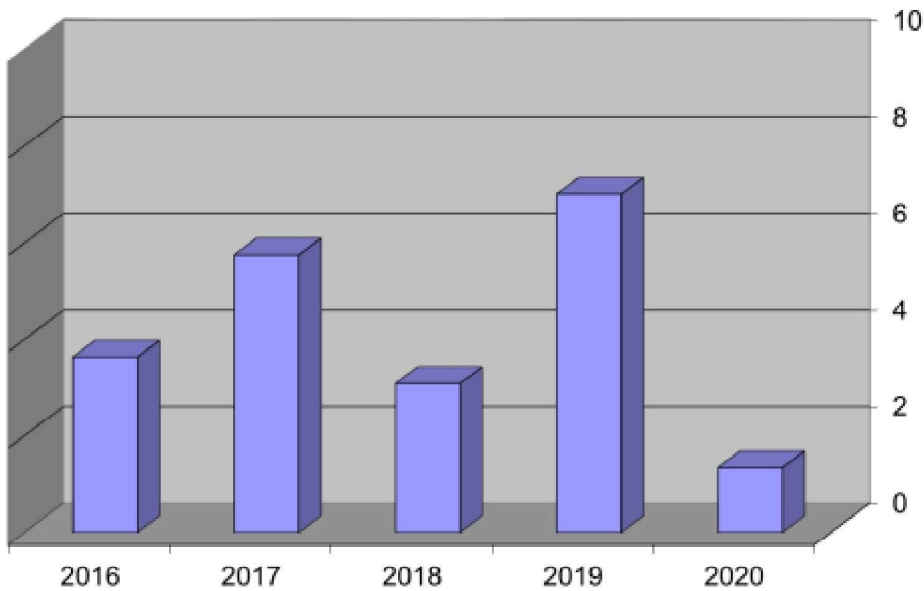


Figure 2 shows the System Average Interruption Frequency Index (SAIFI) for the past five years. The 2020 SAIFI of 1.34 was the lowest of the five-year period and better than the five-year average of 4.16.

Fig. 3: CAIDI (lower is better)

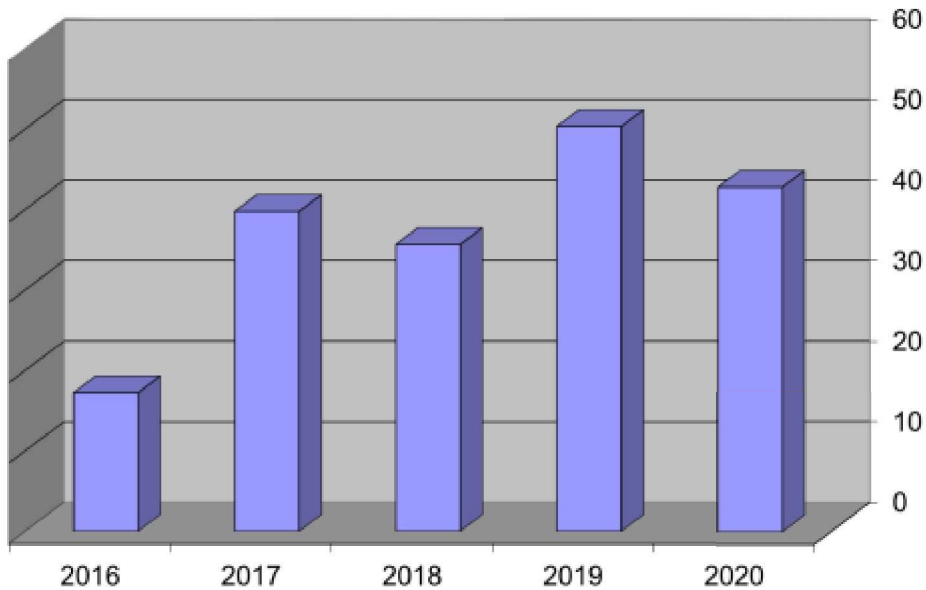


Figure 3 shows the Customer Average Interruption Duration Index (CAIDI) for the past five years. The 2020 CAIDI of 42.73 was the second highest of the five-year period and higher than the five-year average of 37.12.

Fig. 4: SAIDI (lower is better)

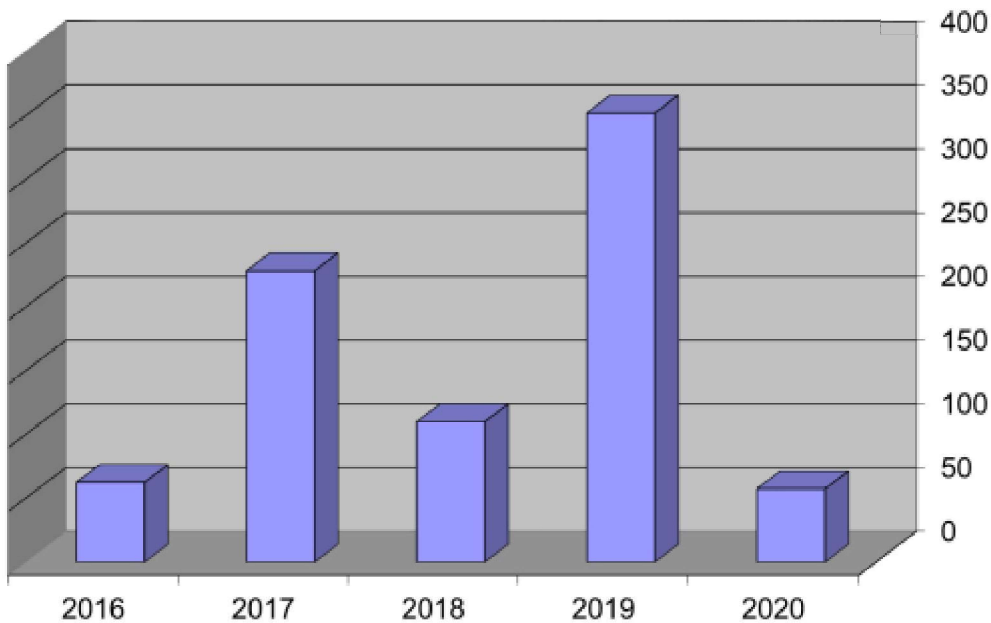


Figure 4 shows the System Average Interruption Duration Index (SAIDI) for the past five years. The 2020 SAIDI of 57.35 is lower than all of the previous four years of the five-year period and is also lower than the five-year average of 162.12.

2020 KIUC SUSTAINED INTERRUPTION CAUSES

In the following figures and tables, the most recent year's sustained interruption causes are examined. Interruptions can be broken down many ways, but we will focus on two areas: causes by frequency (what caused the most interruptions), and causes by magnitude (what caused the most severe interruptions).

Fig. 5: Sustained Interruptions by Frequency

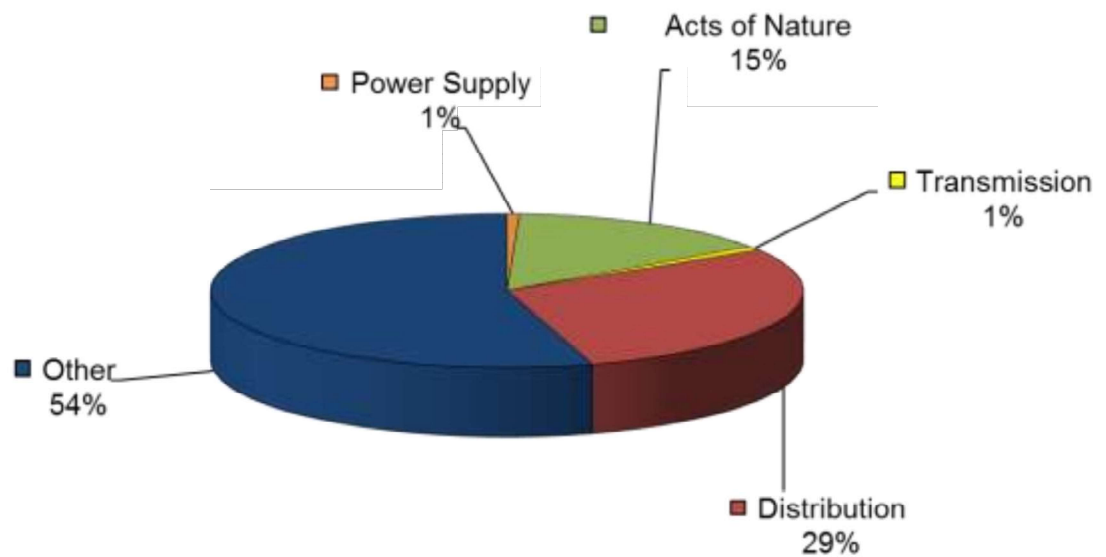


Figure 5 shows the breakdown by frequency. The leading cause of outages was “Other” -- persons or equipment not related to or owned by KIUC. Examples include auto accidents that contact utility poles or wires, non-KIUC contractors such as construction crews that dig into underground cables, or tree trimmers that contact overhead wires, and trees that contact wires due to overgrowth. The second most common cause was “Distribution” -- failure or malfunction of distribution equipment including cables, fuses, insulators, poles, and transformers. The third leading cause of interruptions was “Acts of Nature” --- interruptions caused by high winds, floods, storms, etc. The fourth leading cause of interruptions was “Power Supply” --- interruptions caused by generating unit problems that result in a reduction of output, causing an under frequency load shed; and the fifth (or least) and final cause of interruptions was “Transmission” -- failure or malfunction of transmission equipment including insulators, large transformers, lightning arrestors, and switches.

Fig. 6: Sustained Interruptions by Magnitude

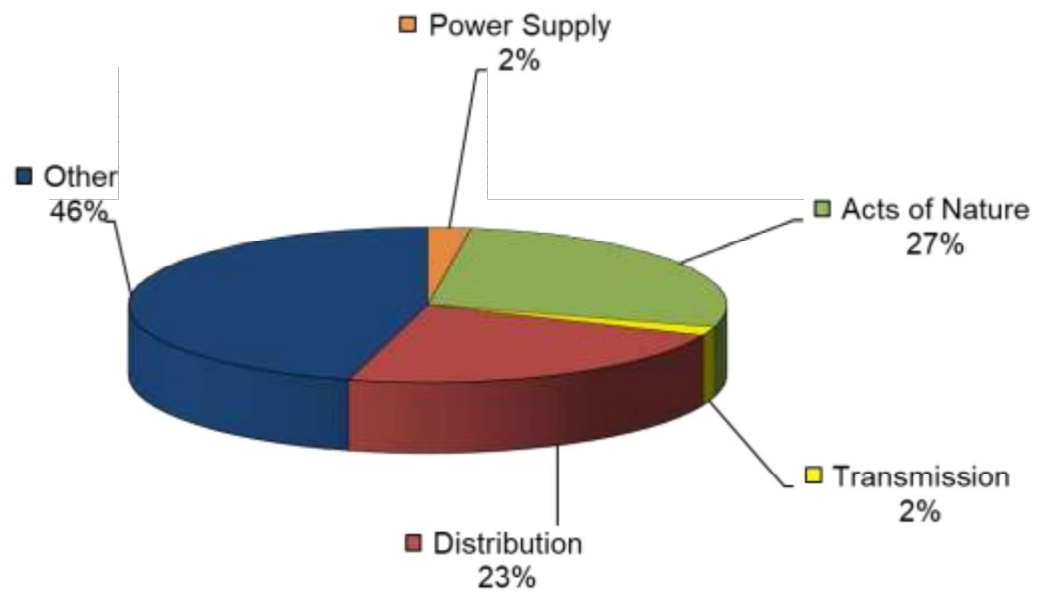


Figure 6 shows the breakdown by magnitude. The same descriptions and examples that were described following Figure 5 apply also for Figure 6. The causes of severe interruptions, in order from most to least, were “Other”, “Acts of Nature”, “Distribution”, “Power Supply” and lastly “Transmission”.

Outage Number	Breaker	Outage Start Time	Outage End Time	Duration	Class	Type	kW	Consumers
270674	3415	12/25/2019 0:43	1/2/2020 12:10	203:27:45	C	2	3	2
270857	2133	1/1/2020 14:16	1/1/2020 17:21	3:05:32	B	5	310	406
270865	3412	1/1/2020 14:42	1/1/2020 14:51	0:08:57	C	5	19.5	13
270874	3412	1/1/2020 15:37	1/1/2020 17:36	1:59:02	C	5	19.5	13
270935	3126	1/2/2020 12:03	1/2/2020 15:04	3:01:05	C	3	4.5	3
270987	3313	1/2/2020 17:18	1/2/2020 19:09	1:50:40	C	5	175.5	117
270991	3126	1/2/2020 19:13	1/3/2020 11:04	15:51:07	C	6	4.5	3
271060	3126	1/4/2020 1:24	1/4/2020 11:21	9:56:44	C	5	4.5	3
271118	4002	1/4/2020 12:27	1/4/2020 15:17	2:49:20	C	6	28.5	19
271141	3512	1/5/2020 19:29	1/6/2020 8:49	13:20:15	C	5	1.5	1
271142	3512	1/5/2020 19:29	1/6/2020 8:49	13:20:14	C	5	1.5	1
271143	3512	1/5/2020 19:29	1/6/2020 8:49	13:20:13	C	5	3	1
271144	3512	1/5/2020 19:29	1/6/2020 8:49	13:20:15	C	5	3	1
271145	3512	1/5/2020 19:29	1/6/2020 8:49	13:20:15	C	5	3	1
271157	3413	1/6/2020 11:46	1/6/2020 12:39	0:52:58	C	6	45	15
271165	5002	1/6/2020 12:40	1/6/2020 15:06	2:25:52	C	6	1.5	1
271184	3415	1/6/2020 15:06	1/6/2020 15:36	0:30:22	C	6	72	48
271185	5002	1/6/2020 16:02	1/7/2020 6:58	14:55:47	C	5	1.5	1
271379	3512	1/7/2020 12:17	1/7/2020 12:19	0:01:11	C	6	1830	2343
271389	1325	1/7/2020 12:51	1/7/2020 16:57	4:05:33	C	6	19.5	13
271394	5001	1/7/2020 15:22	1/7/2020 19:35	4:12:20	C	6	12	8
271411	3215	1/7/2020 18:42	1/7/2020 20:17	1:34:27	C	5	43	43
271486	3413	1/8/2020 15:26	1/8/2020 15:45	0:19:18	C	5	37.5	9
271601	2311	1/9/2020 9:10	1/9/2020 9:15	0:05:09	C	5	16.5	11
271608	3413	1/9/2020 9:20	1/9/2020 9:32	0:12:07	C	5	4.5	3
271624	5002	1/9/2020 12:29	1/9/2020 13:28	0:59:09	C	6	27	18
271629	3413	1/9/2020 13:32	1/9/2020 13:39	0:06:43	C	5	4.5	3
271642	5002	1/9/2020 14:35	1/9/2020 15:41	1:05:58	C	6	40.5	24
271646	5002	1/9/2020 15:32	1/9/2020 16:33	1:01:00	C	6	1.5	1
271648	5002	1/9/2020 15:59	1/11/2020 14:33	46:34:07	C	5	1.5	1
271649	5002	1/9/2020 15:59	1/9/2020 18:52	2:53:27	C	5	3	2
271671	5002	1/9/2020 16:09	1/9/2020 16:22	0:13:10	C	6	23	40
271682	1323	1/9/2020 18:52	1/10/2020 6:53	12:01:03	C	5	1.5	1
271698	5001	1/10/2020 4:11	1/10/2020 12:19	8:08:44	C	6	12	8
271732	3214	1/10/2020 9:11	1/10/2020 9:11	0:00:34	C	6	1870	593
271741	5002	1/10/2020 15:19	1/10/2020 15:52	0:33:14	C	6	3	2
271749	3512	1/10/2020 15:53	1/10/2020 15:54	0:00:49	C	5	9	6
271750	4002	1/10/2020 15:58	1/10/2020 19:19	3:21:35	C	6	1.5	1
271761	3512	1/10/2020 18:25	1/10/2020 18:26	0:01:40	C	5	9	6
271767	5001	1/10/2020 20:55	1/11/2020 10:41	13:46:11	C	2	12	8
271783	5001	1/11/2020 3:32	1/11/2020 6:45	3:13:29	C	2	30	20
271806	4123	1/11/2020 10:07	1/11/2020 11:22	1:15:10	C	6	69	46
271830	4002	1/11/2020 11:39	1/11/2020 12:51	1:12:38	C	2	112.5	75
271854	3512	1/11/2020 17:27	1/11/2020 18:59	1:31:37	C	2	51	34
271855	3414	1/11/2020 20:33	1/11/2020 21:49	1:15:41	C	5	3	2
271926	4002	1/11/2020 21:45	1/12/2020 0:14	2:28:47	C	2	39	26
271931	5001	1/11/2020 22:48	1/12/2020 12:12	13:23:58	C	2	12	8
271935	3415	1/12/2020 3:33	1/12/2020 11:41	8:07:31	C	2	1.5	1
271945	3313	1/12/2020 8:19	1/12/2020 13:19	5:00:38	C	2	6	4
271949	2134	1/12/2020 8:32	1/12/2020 14:52	6:19:54	C	2	4.5	3
271982	5002	1/12/2020 12:39	1/12/2020 12:53	0:13:42	B	5	1500	1724
272082	3215	1/12/2020 19:46	1/12/2020 20:35	0:49:07	B	5	1940	1941
272085	3512	1/13/2020 5:31	1/13/2020 5:31	0:00:40	C	2	6	4
272091	3512	1/13/2020 13:43	1/13/2020 13:49	0:06:25	C	6	6	4
272106	3512	1/13/2020 23:28	1/14/2020 7:55	8:27:47	C	5	9	6
272116	3415	1/14/2020 10:40	1/14/2020 12:07	1:26:58	C	6	1.5	1
272117	3415	1/14/2020 10:40	1/14/2020 12:07	1:26:57	C	6	1.5	1
272130	3214	1/14/2020 23:10	1/15/2020 2:55	3:44:40	C	3	15	10
272137	3215	1/15/2020 9:05	1/15/2020 11:21	2:15:28	C	3	4.5	3
272143	3215	1/15/2020 9:23	1/15/2020 11:07	1:43:44	C	3	6	4

272216	1325	1/16/2020 19:31	1/16/2020 19:31	0:00:00	C	6	129	86
272239	3415	1/17/2020 7:18	1/17/2020 8:34	1:15:38	C	6	4.5	3
272263	3413	1/17/2020 13:13	1/17/2020 15:23	2:09:52	C	6	22.5	15
272267	1232	1/17/2020 14:06	1/17/2020 15:51	1:45:10	C	5	4.5	3
272276	1325	1/17/2020 22:07	1/18/2020 13:18	15:10:54	C	6	19.5	13
272298	2132	1/18/2020 15:33	1/18/2020 17:21	1:47:58	C	6	45	30
272324	5001	1/19/2020 11:08	1/19/2020 14:32	3:23:43	C	6	30	20
272354	1325	1/19/2020 17:26	1/19/2020 17:34	0:08:01	B	6	110	163
272356	1325	1/19/2020 17:34	1/19/2020 19:23	1:48:55	C	6	172.5	115
272517	2134	1/23/2020 8:57	1/23/2020 13:26	4:28:46	C	6	43.5	29
272614	3415	1/25/2020 13:15	1/25/2020 14:36	1:20:48	C	5	9	6
272630	3512	1/27/2020 18:25	1/27/2020 20:03	1:38:05	C	6	13.5	9
272634	5001	1/28/2020 5:08	1/28/2020 6:21	1:13:16	C	6	7.5	5
272639	3414	1/28/2020 17:46	1/28/2020 18:10	0:23:44	C	5	1.5	1
272664	5002	1/30/2020 14:39	1/30/2020 22:35	7:56:06	C	5	21	14
272703	1325	1/30/2020 16:48	1/30/2020 17:19	0:31:10	C	5	163.5	109
272809	3215	1/31/2020 10:02	1/31/2020 10:09	0:06:59	C	6	1.5	1
272812	3415	1/31/2020 15:25	1/31/2020 15:27	0:02:17	C	6	1.5	1
272817	1432	1/31/2020 21:00	1/31/2020 21:01	0:00:46	C	6	9	6
272821	5001	2/1/2020 5:09	2/1/2020 5:17	0:08:00	C	6	7.5	5
272865	1322	2/1/2020 10:13	2/1/2020 10:14	0:01:00	C	5	230	740
272896	3413	2/1/2020 13:12	2/1/2020 14:22	1:10:00	C	6	15	36
272969	3413	2/4/2020 14:16	2/4/2020 14:58	0:42:00	C	6	4.5	3
272973	3413	2/4/2020 16:14	2/4/2020 16:37	0:23:00	C	6	4.5	3
272977	3413	2/4/2020 17:56	2/4/2020 18:02	0:06:00	C	6	4.5	3
272981	3413	2/4/2020 18:48	2/4/2020 19:13	0:25:00	C	6	4.5	3
272985	3413	2/4/2020 19:27	2/4/2020 20:16	0:49:00	C	6	4.5	3
273011	3413	2/4/2020 23:08	2/4/2020 23:18	0:10:00	C	6	4.5	3
273015	3413	2/5/2020 0:35	2/5/2020 1:12	0:37:00	C	6	4.5	3
273087	4002	2/5/2020 20:05	2/5/2020 22:14	2:09:00	C	5	252	168
273089	1232	2/5/2020 23:06	2/6/2020 8:59	9:53:00	C	2	6	3
273092	1325	2/5/2020 23:15	2/6/2020 1:55	2:40:00	C	6	1.5	1
273105	3413	2/6/2020 1:42	2/6/2020 3:47	2:05:00	C	6	1.5	1
273125	3512	2/6/2020 9:30	2/6/2020 12:45	3:15:00	C	2	9	6
273126	3512	2/6/2020 9:30	2/6/2020 12:45	3:15:00	C	2	3	2
273128	1232	2/6/2020 11:01	2/6/2020 15:01	4:00:00	C	2	4.5	3
273141	3415	2/6/2020 14:13	2/6/2020 16:06	1:53:00	C	2	24	16
273149	3121	2/6/2020 16:07	2/6/2020 16:13	0:06:00	C	5	6	4
273153	3512	2/6/2020 16:48	2/6/2020 19:50	3:02:00	C	5	9	6
273165	1325	2/6/2020 18:09	2/7/2020 12:34	18:25:00	C	6	19.5	13
273260	3413	2/7/2020 9:59	2/7/2020 12:11	2:12:00	C	6	51	34
273265	3413	2/7/2020 10:03	2/7/2020 12:36	2:33:00	C	6	10.5	7
273266	1232	2/7/2020 11:18	2/7/2020 16:07	4:49:00	C	2	4.5	3
273281	1325	2/7/2020 18:21	2/8/2020 9:00	14:39:00	C	6	19.5	13
273312	3512	2/8/2020 4:22	2/8/2020 10:16	5:54:00	C	5	1.5	1
273313	4122	2/8/2020 9:02	2/8/2020 11:22	2:20:00	C	6	1.5	1
273314	2134	2/8/2020 9:33	2/8/2020 9:34	0:01:00	C	6	1.5	1
273325	3512	2/8/2020 20:51	2/8/2020 23:26	2:35:00	C	5	16.5	11
273330	5001	2/9/2020 3:12	2/9/2020 4:11	0:59:00	C	6	7.5	5
273336	5001	2/9/2020 5:41	2/9/2020 7:37	1:56:00	C	6	7.5	5
273340	5001	2/9/2020 7:53	2/9/2020 7:55	0:02:00	C	6	7.5	5
273344	5001	2/9/2020 8:33	2/9/2020 8:50	0:17:00	C	6	7.5	5
273349	2134	2/9/2020 8:49	2/9/2020 10:59	2:10:00	C	6	7.5	5
273358	5001	2/9/2020 13:03	2/9/2020 14:39	1:36:00	C	6	21	14
273362	3512	2/9/2020 15:38	2/9/2020 23:02	7:24:00	C	2	7.5	4
273368	2112	2/9/2020 15:57	2/10/2020 13:58	22:01:00	C	2	12	8
273395	2314	2/9/2020 16:38	2/9/2020 16:39	0:01:00	C	2	10.5	7
273396	3512	2/9/2020 16:37	2/9/2020 23:57	7:20:00	C	6	28.5	19
273405	2314	2/9/2020 16:55	2/9/2020 16:56	0:01:00	C	2	10.5	7
273455	2132	2/9/2020 16:59	2/9/2020 17:58	0:59:00	C	6	165	110
273456	2314	2/9/2020 17:02	2/9/2020 17:03	0:01:00	C	2	10.5	1

273457	2314	2/9/2020 17:02	2/9/2020 17:03	0:01:00	C	2	10.5	1
273476	3512	2/9/2020 17:52	2/9/2020 18:50	0:58:00	C	2	48	32
273506	4122	2/9/2020 18:28	2/9/2020 19:47	1:19:00	C	2	86	57
273565	1325	2/9/2020 18:36	2/9/2020 18:36	0:00:00	C	2	70.5	108
273574	1323	2/9/2020 18:40	2/10/2020 9:45	15:05:00	C	2	6	4
273583	3415	2/9/2020 18:52	2/9/2020 19:41	0:49:00	C	2	93	62
273600	3512	2/9/2020 18:55	2/9/2020 21:13	2:18:00	C	2	12	8
273625	3512	2/9/2020 19:00	2/9/2020 20:39	1:39:00	C	2	19.5	13
273669	2311	2/9/2020 19:14	2/9/2020 20:17	1:03:00	C	2	148.5	100
273688	3413	2/9/2020 19:20	2/9/2020 20:28	1:08:00	C	2	46.5	32
273707	2314	2/9/2020 19:43	2/10/2020 12:44	17:01:00	C	2	10.5	7
273788	3413	2/9/2020 21:21	2/9/2020 22:01	0:40:00	C	2	244.5	163
273802	4002	2/9/2020 21:35	2/10/2020 9:25	11:50:00	C	2	18	12
273807	1325	2/9/2020 21:44	2/10/2020 19:45	22:01:00	C	2	16.5	12
273814	1325	2/9/2020 21:44	2/9/2020 21:45	0:01:00	C	2	4.5	3
273818	1325	2/9/2020 21:44	2/9/2020 21:45	0:01:00	C	2	12	8
273922	3415	2/9/2020 23:42	2/10/2020 0:36	0:54:00	C	2	360	240
273926	1325	2/9/2020 23:57	2/10/2020 13:27	13:30:00	C	2	7.5	5
273959	3415	2/10/2020 0:11	2/10/2020 1:21	1:10:00	C	2	310.5	208
274112	3415	2/10/2020 0:55	2/10/2020 0:55	0:00:00	C	2	890	1536
274157	1325	2/10/2020 1:01	2/10/2020 13:27	12:26:00	C	2	160.5	107
274166	1325	2/10/2020 1:18	2/10/2020 1:27	0:09:00	C	2	4.5	3
274174	3415	2/10/2020 1:52	2/10/2020 2:55	1:03:00	C	2	7.5	24
274184	3415	2/10/2020 2:00	2/10/2020 3:25	1:25:00	C	2	15	10
274336	3415	2/10/2020 5:38	2/10/2020 6:18	0:40:00	C	2	990	1536
274350	3415	2/10/2020 7:54	2/10/2020 9:56	2:02:00	C	2	30	20
274614	3415	2/10/2020 9:22	2/10/2020 9:56	0:34:00	C	2	1270	1536
275089	3512	2/10/2020 12:32	2/10/2020 12:40	0:08:00	C	2	1900	2344
275418	3415	2/10/2020 12:39	2/10/2020 13:08	0:29:00	C	2	990	1536
275454	3413	2/10/2020 13:13	2/10/2020 14:06	0:53:00	C	2	166.5	111
275461	3415	2/10/2020 14:12	2/10/2020 17:38	3:26:00	C	2	6	4
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275474	3413	2/10/2020 15:45	2/10/2020 17:52	2:07:00	C	2	10.5	7
275495	1325	2/10/2020 19:33	2/10/2020 19:45	0:12:00	C	2	91.5	61
275634	4002	2/12/2020 12:55	2/12/2020 15:29	2:34:00	C	5	15	10
275803	4124	2/12/2020 16:04	2/12/2020 17:05	1:01:00	C	5	657	438
276022	4122	2/13/2020 1:17	2/13/2020 4:32	3:15:00	C	5	480	519
276029	4002	2/13/2020 15:11	2/13/2020 17:09	1:58:00	C	6	9	6
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276080	2134	2/14/2020 19:10	2/14/2020 21:08	1:58:00	C	6	43.5	29
276081	2134	2/14/2020 19:15	2/15/2020 10:00	14:45:00	C	5	1.5	1
276166	4121	2/15/2020 1:47	2/15/2020 2:08	0:21:00	B	6	420	457
276209	3215	2/15/2020 13:57	2/15/2020 15:00	1:03:00	C	6	151.5	101
276324	2133	2/18/2020 17:30	2/18/2020 18:50	1:20:00	C	6	34.5	23
276419	3413	2/20/2020 10:56	2/20/2020 13:36	2:40:00	C	6	24	16
276457	5001	2/20/2020 17:50	2/20/2020 19:04	1:14:00	C	6	111	74
276460	5001	2/20/2020 17:50	2/20/2020 20:04	2:14:00	C	6	12	8
276523	5001	2/21/2020 15:59	2/21/2020 16:14	0:15:00	C	6	28.5	19
276574	2133	2/23/2020 17:51	2/23/2020 21:03	3:12:00	C	5	9	6
276587	4122	2/24/2020 10:36	2/24/2020 10:41	0:05:00	C	3	9	7
276625	3215	2/24/2020 12:27	2/24/2020 13:15	0:48:00	C	6	153	102
276729	3415	2/24/2020 14:54	2/24/2020 15:23	0:29:00	C	6	790.5	527
276860	5001	2/25/2020 21:51	2/25/2020 22:59	1:08:00	C	5	267	178
276865	1432	2/26/2020 1:59	2/26/2020 2:43	0:44:00	C	5	9	6
276875	1432	2/26/2020 22:08	2/26/2020 22:16	0:08:00	C	5	9	6
276879	1432	2/26/2020 23:42	2/27/2020 2:11	2:29:00	C	5	9	6
276885	4124	2/27/2020 7:43	2/27/2020 8:53	1:10:00	C	5	12	8
276894	1432	2/27/2020 13:37	2/27/2020 14:42	1:05:00	C	5	9	6
276926	4124	2/27/2020 14:26	2/27/2020 15:21	0:55:00	C	5	121.5	81
276966	3413	2/29/2020 21:31	2/29/2020 21:35	0:04:00	C	6	4.5	3
276968	5001	2/29/2020 10:09	2/29/2020 10:09	0:00:00	C	6	1.14	533

276969	5001	2/29/2020 17:15	2/29/2020 17:15	0:00:00	C	6	1.18	533
277016	4122	3/2/2020 1:04	3/2/2020 3:00	1:56:00	C	2	22.5	16
277027	1325	3/2/2020 3:12	3/2/2020 10:55	7:42:20	C	6	13.5	10
277030	2313	3/2/2020 8:17	3/2/2020 12:11	3:53:40	C	5	1.5	1
277085	3415	3/3/2020 14:16	3/3/2020 16:11	1:54:44	C	5	64.5	43
277169	3411	3/4/2020 9:09	3/4/2020 10:18	1:09:32	C	5	28.5	19
277182	3413	3/4/2020 10:28	3/4/2020 13:02	2:33:17	C	5	34.5	23
277212	3415	3/5/2020 5:06	3/5/2020 8:59	3:53:06	C	6	9	6
277225	3125	3/5/2020 19:38	3/5/2020 22:04	2:26:35	C	3	7.5	5
277270	5001	3/6/2020 12:39	3/6/2020 14:53	2:13:38	C	5	24	16
277322	2134	3/7/2020 4:59	3/7/2020 7:08	2:09:18	C	6	67.5	45
277430	1322	3/10/2020 11:46	3/10/2020 11:47	0:00:51	C	6	100	741
277582	2134	3/13/2020 13:33	3/13/2020 15:35	2:01:25	C	6	67.5	45
277663	2134	3/16/2020 7:30	3/16/2020 11:01	3:31:30	C	6	91.5	61
277667	3314	3/16/2020 7:34	3/16/2020 8:04	0:30:02	C	6	7.5	5
277696	3415	3/16/2020 10:22	3/16/2020 11:00	0:38:45	C	2	205.5	137
277717	3413	3/16/2020 10:38	3/16/2020 16:08	5:30:20	C	2	10.5	7
277729	3313	3/16/2020 10:40	3/16/2020 20:39	9:59:20	C	2	15	10
277731	1325	3/16/2020 10:55	3/16/2020 17:33	6:38:31	C	2	76.5	78
277753	3127	3/16/2020 11:06	3/17/2020 11:10	24:04:09	C	2	9	6
277756	3121	3/16/2020 11:11	3/16/2020 13:15	2:04:23	C	2	6	4
277805	3415	3/16/2020 11:26	3/16/2020 12:24	0:57:51	C	2	205.5	137
277853	3415	3/16/2020 11:47	3/16/2020 13:28	1:40:34	C	2	163.5	109
277858	3126	3/16/2020 12:45	3/17/2020 13:32	24:46:55	C	2	18	12
277874	3512	3/16/2020 13:10	3/16/2020 14:28	1:18:20	C	2	51	34
277894	3123	3/16/2020 13:37	3/16/2020 14:33	0:55:35	C	2	58.5	39
277922	3126	3/16/2020 18:23	3/16/2020 18:53	0:30:07	C	2	170	29
277931	3412	3/16/2020 21:12	3/16/2020 23:24	2:11:37	C	2	15	10
277942	1325	3/17/2020 1:20	3/17/2020 16:01	14:40:27	C	2	19.5	13
278123	3512	3/17/2020 4:57	3/17/2020 8:29	3:32:39	C	2	75	50
278159	3127	3/17/2020 5:21	3/17/2020 5:57	0:36:23	C	2	15	10
278196	4122	3/17/2020 6:23	3/17/2020 9:31	3:07:49	C	2	85.5	57
278227	3127	3/17/2020 8:05	3/17/2020 8:53	0:48:11	C	2	15	10
278236	3127	3/17/2020 8:05	3/17/2020 8:53	0:48:12	C	2	55.5	37
278244	3415	3/17/2020 8:39	3/17/2020 12:42	4:03:19	C	6	13.5	9
278373	1432	3/17/2020 9:28	3/17/2020 11:54	2:25:41	C	2	240	328
278394	3512	3/17/2020 13:38	3/17/2020 14:04	0:26:21	C	2	51	34
278410	2312	3/17/2020 18:47	3/17/2020 20:32	1:45:14	C	5	28.5	19
278420	3411	3/18/2020 4:31	3/18/2020 6:31	1:59:45	C	5	16.5	11
278432	4002	3/18/2020 10:09	3/18/2020 11:17	1:07:59	C	6	34.5	23
278442	1233	3/18/2020 11:01	3/18/2020 11:59	0:58:45	C	2	300	3
278486	2134	3/18/2020 14:43	3/18/2020 16:39	1:56:11	C	2	63	21
278522	3415	3/18/2020 18:14	3/18/2020 19:11	0:57:05	C	6	177	120
278631	4002	3/19/2020 5:10	3/19/2020 8:21	3:11:00	C	2	285	190
278642	4002	3/19/2020 6:48	3/19/2020 8:16	1:28:06	C	2	37.5	25
278648	3413	3/19/2020 9:02	3/19/2020 14:57	5:55:03	C	3	6	4
278676	3512	3/19/2020 17:38	3/19/2020 18:38	0:59:52	C	6	67.5	45
278779	3124	3/20/2020 20:56	3/20/2020 23:23	2:27:10	C	5	78	52
278933	2132	3/22/2020 13:49	3/22/2020 14:51	1:02:09	C	6	340	679
278952	2313	3/23/2020 8:25	3/23/2020 8:29	0:04:29	C	6	21	14
278962	5001	3/23/2020 9:50	3/23/2020 12:47	2:57:30	C	6	24	16
278966	5001	3/23/2020 12:23	3/23/2020 12:47	0:24:00	C	6	10.5	7
279017	1322	3/24/2020 10:36	3/24/2020 12:09	1:32:33	C	5	15	10
279055	5001	3/24/2020 20:12	3/24/2020 22:03	1:51:29	C	5	169.5	113
279070	3415	3/25/2020 9:21	3/25/2020 10:35	1:14:00	C	6	25.5	17
279075	3126	3/25/2020 11:46	3/25/2020 12:11	0:24:05	C	6	1.5	1
279124	2134	3/25/2020 18:56	3/25/2020 20:38	1:41:40	C	6	207	138
279198	3512	3/26/2020 10:00	3/26/2020 10:41	0:40:56	C	3	15	10
279224	4123	3/26/2020 12:26	3/26/2020 13:23	0:57:34	C	5	69	46
279276	3211	3/28/2020 7:26	3/29/2020 15:11	31:45:13	C	2	500	1
279282	3413	3/28/2020 7:52	3/28/2020 8:24	0:31:50	C	6	10.5	7

279326	3211	3/28/2020 10:20	3/29/2020 14:41	28:21:41	C	2	231	154
279344	1325	3/29/2020 14:01	3/29/2020 16:40	2:38:30	C	6	10.5	7
279377	5001	3/30/2020 0:21	3/30/2020 2:33	2:12:25	C	6	31.5	21
279382	5001	3/30/2020 0:21	3/30/2020 11:53	11:32:16	C	6	3	2
279396	1325	3/30/2020 11:35	3/30/2020 16:23	4:47:41	C	6	1.5	1
279481	2313	3/31/2020 12:41	3/31/2020 14:27	1:45:55	C	5	21	14
279550	3127	4/1/2020 19:00	4/1/2020 23:09	4:09:00	C	6	13.5	9
279572	4122	4/1/2020 19:23	4/1/2020 22:15	2:52:31	C	6	69	46
279625	2212	4/2/2020 9:39	4/2/2020 10:25	0:45:46	C	6	9	6
279637	3414	4/2/2020 13:32	4/2/2020 13:41	0:09:12	C	5	25.5	17
279683	2311	4/3/2020 9:22	4/3/2020 9:27	0:05:29	C	3	24	16
279787	3313	4/3/2020 17:37	4/3/2020 18:44	1:07:20	C	6	166.5	111
279790	3313	4/3/2020 17:37	4/3/2020 18:47	1:09:54	C	6	130.5	87
279879	4121	4/4/2020 2:20	4/4/2020 4:40	2:19:39	C	6	480	320
279931	5002	4/4/2020 14:13	4/4/2020 15:15	1:01:45	C	5	10.5	7
279941	4002	4/4/2020 20:31	4/5/2020 0:07	3:36:33	C	5	9	6
279983	3127	4/6/2020 4:30	4/6/2020 7:48	3:18:24	C	5	15	10
279996	3127	4/6/2020 10:20	4/6/2020 11:51	1:31:12	C	5	15	10
280032	2134	4/6/2020 12:18	4/6/2020 13:14	0:56:18	C	6	31.5	21
280046	2133	4/7/2020 5:28	4/7/2020 8:20	2:51:59	C	5	3	2
280058	4199	3/28/2020 2:58	3/28/2020 3:14	0:16:00	A	2	3200	3731
280082	5002	4/9/2020 6:03	4/9/2020 7:43	1:39:55	C	3	12	8
280104	3211	4/9/2020 10:18	4/9/2020 12:49	2:31:00	C	5	54	36
280183	2311	4/11/2020 11:08	4/11/2020 12:58	1:49:21	C	5	24	16
280192	3127	4/12/2020 13:24	4/12/2020 13:51	0:27:00	C	6	1.5	1
280296	3512	4/13/2020 16:28	4/13/2020 18:31	2:03:23	C	6	19.5	13
280387	4121	4/13/2020 22:36	4/14/2020 0:47	2:10:28	B	3	420	458
280529	4123	4/13/2020 22:37	4/14/2020 0:47	2:10:21	B	3	550	487
280800	4124	4/13/2020 22:37	4/14/2020 0:47	2:10:22	B	3	1690	2265
280899	3512	4/15/2020 13:04	4/15/2020 13:56	0:52:16	C	6	85.5	57
280929	3123	4/15/2020 14:57	4/15/2020 16:33	1:36:13	C	5	22.5	15
281039	1323	4/18/2020 7:05	4/18/2020 11:05	4:00:10	C	3	9	6
281116	4121	4/19/2020 12:45	4/19/2020 14:16	1:30:34	C	6	360	321
281171	3412	4/21/2020 4:08	4/21/2020 6:54	2:45:58	C	5	16.5	11
281348	2134	4/23/2020 9:51	4/23/2020 11:35	1:43:55	C	6	45	30
281355	4121	4/23/2020 14:36	4/23/2020 16:53	2:16:45	C	6	10.5	7
281524	4121	4/27/2020 3:26	4/27/2020 4:54	1:27:38	C	6	200	228
281656	3313	4/28/2020 8:07	4/28/2020 8:58	0:51:33	C	6	1400	1398
281668	2311	4/28/2020 10:21	4/28/2020 12:09	1:48:08	C	6	22.5	16
281864	2132	5/2/2020 6:21	5/2/2020 13:10	6:48:51	C	6	166.5	111
281871	3215	5/2/2020 7:43	5/2/2020 12:33	4:49:52	C	5	7.5	5
281895	3512	5/2/2020 14:38	5/2/2020 16:21	1:42:55	C	6	58.5	39
282027	1325	5/6/2020 9:19	5/6/2020 12:56	3:37:40	C	3	154.5	110
282075	3413	5/6/2020 15:02	5/6/2020 15:57	0:54:54	C	6	6	4
282179	4122	5/6/2020 22:43	5/7/2020 0:06	1:22:56	B	6	610	521
282204	3415	5/7/2020 1:49	5/7/2020 3:08	1:18:33	C	6	93	62
282225	3127	5/7/2020 8:43	5/7/2020 13:03	4:19:48	C	6	9	6
282280	2132	5/7/2020 17:48	5/7/2020 18:10	0:22:42	C	5	22.5	15
282478	3413	5/12/2020 14:14	5/12/2020 14:15	0:00:50	C	5	1.5	1
282496	3127	5/13/2020 4:57	5/13/2020 11:12	6:14:59	C	6	9	6
282500	5002	5/13/2020 10:11	5/13/2020 11:29	1:18:01	C	6	7.5	5
282520	2132	5/14/2020 8:47	5/14/2020 10:00	1:12:53	C	5	45	30
282547	1323	5/14/2020 12:02	5/14/2020 13:09	1:07:25	C	5	150	100
282550	2132	5/14/2020 13:23	5/14/2020 14:58	1:34:31	C	6	4.5	3
282557	2212	5/14/2020 15:52	5/14/2020 23:17	7:24:38	C	5	6	4
282578	4121	5/14/2020 23:54	5/15/2020 8:56	9:02:01	C	5	13.5	9
282636	3215	5/15/2020 20:42	5/15/2020 21:30	0:48:32	C	5	30	20
282658	3415	5/16/2020 18:14	5/16/2020 18:54	0:39:25	C	6	30	20
282725	3122	5/19/2020 13:10	5/19/2020 16:38	3:28:01	C	5	7.5	5
282863	2132	5/21/2020 20:07	5/21/2020 22:35	2:28:18	C	6	352.5	235
282885	4123	5/22/2020 18:52	5/22/2020 20:56	2:03:40	C	5	27	18

282980	4124	5/26/2020 6:40	5/26/2020 9:33	2:53:00	C	5	9	6
282986	4123	5/26/2020 8:47	5/26/2020 8:48	0:01:00	C	5	12	8
283049	5001	5/26/2020 19:32	5/26/2020 20:36	1:04:02	C	6	154	103
283097	3415	5/27/2020 12:25	5/27/2020 13:14	0:48:46	C	6	49.5	33
283105	1323	5/27/2020 12:40	5/27/2020 15:29	2:49:49	C	5	27	18
283137	3413	5/28/2020 19:53	5/28/2020 21:27	1:33:47	C	6	6	4
283229	2132	5/30/2020 13:36	5/30/2020 15:42	2:06:28	C	6	45	30
283706	4002	5/30/2020 18:27	5/30/2020 19:51	1:23:25	A	6	170	359
283706	4121	5/30/2020 18:27	5/30/2020 19:51	1:23:25	A	6	978	843.4
283706	4122	5/30/2020 18:27	5/30/2020 19:51	1:23:25	A	6	1467	1265.1
283706	4123	5/30/2020 18:27	5/30/2020 19:51	1:23:25	A	6	489	421.7
283706	4124	5/30/2020 18:27	5/30/2020 19:51	1:23:25	A	6	1786	1327.8
284080	3127	5/31/2020 7:31	5/31/2020 12:37	5:06:03	C	5	7.5	5
284395	2134	6/1/2020 12:14	6/1/2020 12:43	0:29:46	B	6	650	1723
284481	3512	6/3/2020 11:51	6/3/2020 15:33	3:42:29	C	6	1.5	1
284545	3415	6/4/2020 7:43	6/4/2020 8:39	0:56:00	C	5	90	60
284579	5001	6/4/2020 9:29	6/4/2020 10:41	1:11:30	C	6	123	83
284598	3215	6/4/2020 23:28	6/5/2020 0:43	1:15:05	C	5	15	10
284621	3412	6/5/2020 8:45	6/5/2020 8:52	0:07:42	B	5	240	157
284654	3512	6/6/2020 13:55	6/6/2020 15:08	1:12:39	C	6	51	34
284667	3612	6/7/2020 10:25	6/7/2020 12:59	2:33:26	C	6	30	20
284671	3215	6/7/2020 12:19	6/7/2020 14:52	2:32:53	C	5	7.5	5
284788	2134	6/8/2020 20:16	6/8/2020 20:36	0:20:05	C	6	67.5	45
284817	4002	6/8/2020 22:35	6/9/2020 0:15	1:39:53	C	6	72	49
284819	4124	6/9/2020 1:39	6/9/2020 14:05	12:25:56	C	5	1.5	1
284887	3413	6/9/2020 7:58	6/9/2020 9:26	1:28:14	C	6	246	164
284921	3612	6/9/2020 18:33	6/9/2020 22:00	3:26:30	C	6	1.5	1
285079	5001	6/11/2020 14:03	6/11/2020 17:11	3:07:16	C	6	12	8
285115	4002	6/11/2020 19:02	6/11/2020 21:06	2:03:48	C	6	180	120
285126	3415	6/12/2020 7:30	6/12/2020 17:25	9:55:09	C	5	1.5	1
285172	2134	6/12/2020 12:07	6/12/2020 13:29	1:22:01	C	6	1.5	1
285174	1325	6/12/2020 13:17	6/12/2020 15:00	1:42:58	C	6	1.5	1
285277	1325	6/15/2020 11:15	6/15/2020 16:21	5:06:00	C	6	10.5	7
285279	4002	6/15/2020 14:55	6/15/2020 17:24	2:28:40	C	6	1.5	1
285333	3411	6/16/2020 22:48	6/16/2020 23:30	0:41:47	C	5	36	24
285462	5002	6/18/2020 8:23	6/18/2020 10:18	1:55:27	C	6	420	522
285535	5002	6/18/2020 10:03	6/18/2020 10:18	0:15:00	C	6	60	233
285547	3412	6/18/2020 15:36	6/18/2020 16:04	0:28:48	C	5	16.5	11
285858	2134	6/18/2020 16:21	6/18/2020 16:25	0:04:01	C	5	930	1724
285896	4002	6/20/2020 14:02	6/20/2020 16:47	2:45:51	C	6	39	26
286041	2312	6/24/2020 9:20	6/24/2020 9:21	0:00:46	C	3	97.5	65
286122	1323	6/25/2020 6:20	6/25/2020 8:26	2:06:21	C	5	1.5	1
286152	3415	6/25/2020 13:27	6/25/2020 14:00	0:32:28	C	6	49.5	33
286516	1322	7/1/2020 12:03	7/1/2020 12:36	0:33:39	B	5	2110	765
286524	3415	7/1/2020 15:05	7/1/2020 15:58	0:53:28	C	3	15	10
286577	3512	7/2/2020 17:42	7/2/2020 18:58	1:15:14	C	5	36	24
286673	3215	7/4/2020 17:19	7/4/2020 17:20	0:00:46	C	5	7.5	5
286726	1322	7/4/2020 20:35	7/4/2020 21:50	1:15:18	B	6	540	746
286774	1322	7/4/2020 22:07	7/4/2020 22:52	0:45:10	B	6	820	746
286810	1325	7/5/2020 20:10	7/5/2020 20:30	0:19:04	C	6	252	168
286811	1325	7/5/2020 20:30	7/5/2020 23:19	2:49:41	C	6	96	64
286982	3121	7/7/2020 9:39	7/7/2020 10:27	0:48:00	C	3	46.5	31
287023	3121	7/7/2020 10:30	7/7/2020 11:10	0:40:00	C	3	78	52
287476	3415	7/9/2020 8:05	7/9/2020 8:45	0:40:21	C	6	64.5	43
287502	4002	7/9/2020 8:03	7/9/2020 11:40	3:36:59	C	6	170	359
287608	5001	7/10/2020 0:46	7/10/2020 10:06	9:20:12	C	6	12	8
287661	3512	7/10/2020 17:47	7/10/2020 19:34	1:47:00	C	5	7.5	5
287673	3612	7/11/2020 8:37	7/11/2020 12:04	3:26:37	C	6	15	10
287690	5001	7/12/2020 13:19	7/12/2020 15:12	1:53:30	C	6	4.5	3
287701	4124	7/12/2020 23:33	7/13/2020 0:29	0:55:59	C	5	19.5	13
287706	3612	7/13/2020 0:53	7/13/2020 15:27	14:34:36	C	6	19.5	12

287814	4121	7/14/2020 5:16	7/14/2020 7:19	2:02:49	C	5	16.5	11
287924	2134	7/15/2020 9:47	7/15/2020 11:27	1:39:31	C	5	10.5	7
288057	3415	7/16/2020 13:29	7/16/2020 15:22	1:53:11	C	6	6	4
288069	5002	7/16/2020 15:53	7/16/2020 16:15	0:21:28	C	5	24	16
288075	4124	7/16/2020 17:33	7/16/2020 18:41	1:07:48	C	5	19.5	13
288215	2134	7/19/2020 9:14	7/19/2020 11:17	2:02:44	C	5	9	6
288220	3512	7/19/2020 13:24	7/20/2020 9:33	20:08:47	C	5	9	6
288411	3413	7/22/2020 8:25	7/22/2020 9:15	0:49:23	B	6	2200	2837
288578	2312	7/22/2020 18:32	7/22/2020 19:47	1:14:20	B	5	1880	750.5
288578	2313	7/22/2020 18:32	7/22/2020 19:47	1:14:20	B	5	1880	750.5
288660	3127	7/23/2020 23:03	7/24/2020 0:33	1:29:34	C	6	9	6
288709	1323	7/24/2020 10:34	7/24/2020 17:29	6:55:27	C	5	3	2
288823	3413	7/24/2020 16:27	7/24/2020 17:44	1:16:52	C	6	54	36
288980	2213	7/25/2020 11:59	7/25/2020 12:05	0:05:56	C	5	150	387
288986	3512	7/25/2020 14:44	7/25/2020 16:50	2:05:26	C	5	7.5	5
289091	4124	7/26/2020 2:15	7/26/2020 5:37	3:21:58	C	5	435	290
289098	5001	7/26/2020 10:22	7/27/2020 9:51	23:29:31	C	6	12	8
289133	3215	7/26/2020 11:26	7/26/2020 12:43	1:16:15	C	6	151	103
289153	1323	7/26/2020 15:22	7/29/2020 16:58	73:36:08	C	5	3	2
289166	5001	7/26/2020 17:08	7/26/2020 19:01	1:52:41	C	6	31.5	21
289172	1325	7/26/2020 17:58	7/27/2020 11:08	17:09:48	C	6	1.5	1
289188	3413	7/26/2020 18:34	7/26/2020 21:35	3:00:58	C	5	57	38
289256	3413	7/26/2020 19:21	7/26/2020 20:45	1:24:14	C	6	10.5	7
289261	3415	7/26/2020 20:57	7/26/2020 22:09	1:11:58	C	6	22.5	16
289272	3512	7/26/2020 23:55	7/27/2020 6:57	7:01:46	C	6	9	6
289292	3415	7/27/2020 0:21	7/27/2020 1:55	1:33:56	C	6	88.5	59
289323	3512	7/27/2020 0:23	7/27/2020 3:11	2:47:59	C	6	127.5	85
289334	3512	7/27/2020 0:30	7/27/2020 2:38	2:07:49	C	6	33.5	19
289369	5001	7/27/2020 0:52	7/27/2020 3:09	2:17:07	B	6	1080	1174
289378	3512	7/27/2020 1:27	7/27/2020 3:14	1:47:11	C	6	12	8
289446	3123	7/27/2020 2:34	7/27/2020 4:29	1:55:26	B	6	590	800
289469	3512	7/27/2020 2:35	7/27/2020 4:45	2:09:37	C	6	85.5	57
289478	4002	7/27/2020 3:06	7/27/2020 6:17	3:11:44	C	6	25.5	17
289506	1232	7/27/2020 6:20	7/27/2020 9:26	3:06:00	C	6	18	12
289649	3415	7/27/2020 8:06	7/27/2020 9:45	1:39:04	C	6	648	453
289706	4002	7/27/2020 9:30	7/27/2020 12:44	3:14:28	C	6	1.5	1
289718	2132	7/27/2020 10:10	7/27/2020 13:34	3:23:08	C	6	12	8
289769	3413	7/27/2020 11:33	7/27/2020 12:36	1:02:24	C	6	55.5	37
289776	3413	7/27/2020 11:50	7/27/2020 14:21	2:31:53	C	6	18	12
289795	3127	7/27/2020 18:00	7/27/2020 20:39	2:39:13	C	6	27	18
289828	2134	7/27/2020 23:54	7/28/2020 7:45	7:51:13	C	6	19.5	13
289866	3511	7/28/2020 10:00	7/28/2020 14:31	4:31:20	C	5	79.5	53
289917	2134	7/28/2020 17:43	7/29/2020 10:33	16:49:37	C	5	3	2
289958	3121	7/29/2020 11:29	7/29/2020 11:46	0:17:29	C	3	55.5	37
289989	5001	7/29/2020 23:10	7/30/2020 9:04	9:53:51	C	6	7.5	5
290002	2132	7/30/2020 4:00	7/30/2020 6:33	2:32:58	C	6	12	9
290071	5001	7/30/2020 15:05	7/30/2020 15:52	0:47:30	C	6	43.5	29
290073	4124	7/30/2020 16:13	7/30/2020 18:44	2:31:35	C	5	31.5	21
290094	4124	7/30/2020 16:13	7/30/2020 17:38	1:25:23	C	5	51	34
290271	4124	7/30/2020 19:55	7/30/2020 21:20	1:25:00	C	5	268.5	179
290367	3127	7/31/2020 13:58	7/31/2020 15:08	1:10:07	C	6	115.5	77
290815	2214	8/5/2020 8:35	8/5/2020 9:11	0:36:12	C	5	12	8
290950	1322	8/6/2020 10:10	8/6/2020 10:24	0:13:56	B	4	2840	764
291074	3413	8/7/2020 11:24	8/7/2020 13:32	2:08:17	C	5	10.5	7
291134	3127	8/9/2020 9:45	8/9/2020 12:25	2:40:06	C	6	4.5	3
291208	3123	8/10/2020 8:05	8/10/2020 9:12	1:06:57	C	6	12	9
291408	3215	8/11/2020 13:49	8/11/2020 14:34	0:45:26	C	5	6	4
291474	1322	8/11/2020 14:56	8/11/2020 15:01	0:04:17	B	4	3000	765
291535	5001	8/12/2020 1:20	8/12/2020 3:05	1:44:58	C	6	139.5	93
291701	4002	8/12/2020 15:36	8/12/2020 16:51	1:15:03	B	6	350	490
291815	2133	8/13/2020 14:19	8/13/2020 14:59	0:40:11	C	5	28.5	19

291963	4121	8/15/2020 3:52	8/15/2020 6:52	3:00:34	C	6	10.5	7
291989	3215	8/16/2020 6:48	8/16/2020 8:02	1:13:37	C	5	52.5	35
292418	5001	8/22/2020 14:02	8/22/2020 15:37	1:34:32	C	6	4.5	3
292419	1322	8/22/2020 17:38	8/22/2020 22:30	4:51:53	C	5	10.5	7
292428	3413	8/23/2020 4:46	8/23/2020 6:59	2:12:55	C	6	3	1
292439	3512	8/23/2020 5:00	8/23/2020 7:56	2:55:49	C	6	51	34
292481	3415	8/24/2020 10:27	8/24/2020 11:25	0:58:09	C	6	88.5	59
292614	5002	8/25/2020 14:21	8/25/2020 15:21	1:00:45	C	5	24	16
293146	4122	8/29/2020 12:24	8/29/2020 13:39	1:14:48	B	6	950	522
293151	5001	8/29/2020 22:34	8/30/2020 8:50	10:16:25	C	6	12	8
293237	3415	8/30/2020 9:41	8/30/2020 11:50	2:09:33	C	6	691.5	477
293528	3413	8/30/2020 19:22	8/30/2020 19:47	0:24:28	B	1	4060	2835
293886	2132	9/2/2020 10:00	9/2/2020 11:07	1:07:28	A	4	650	1093.95
293886	2133	9/2/2020 10:00	9/2/2020 11:07	1:07:28	A	4	200	486.2
293886	2134	9/2/2020 10:00	9/2/2020 11:07	1:07:28	A	4	600	850.85
294580	4122	9/4/2020 9:07	9/4/2020 11:08	2:00:09	C	6	103.5	69
294600	4122	9/4/2020 12:15	9/4/2020 13:23	1:07:37	C	6	36	24
294691	3125	9/5/2020 8:52	9/5/2020 9:45	0:52:41	C	5	39	26
294752	1323	9/5/2020 22:52	9/6/2020 1:12	2:19:15	C	6	25.5	17
294864	4123	9/6/2020 8:39	9/6/2020 10:57	2:18:11	C	6	6	4
294878	3415	9/6/2020 10:30	9/6/2020 12:11	1:41:02	C	5	15	10
294911	1323	9/8/2020 15:19	9/8/2020 16:02	0:43:09	C	6	24	16
295116	4122	9/9/2020 20:11	9/9/2020 22:27	2:15:56	C	5	78	35
295210	4002	9/10/2020 13:39	9/10/2020 15:15	1:36:22	C	6	25.5	17
295461	3413	9/10/2020 17:20	9/10/2020 17:43	0:22:17	B	1	3170	2574.75
295461	3511	9/10/2020 17:20	9/10/2020 17:43	0:22:17	B	1	140	171.65
295461	4123	9/10/2020 17:20	9/10/2020 17:43	0:22:17	B	1	780	686.6
296113	5001	9/15/2020 1:17	9/15/2020 14:25	13:07:45	C	6	12	8
296180	5001	9/15/2020 13:37	9/15/2020 14:11	0:34:07	C	6	139.5	93
296197	5001	9/15/2020 16:51	9/16/2020 13:09	20:17:51	C	6	12	8
296241	3414	9/16/2020 8:02	9/17/2020 16:48	32:46:23	C	3	126	84
296261	1322	9/16/2020 15:21	9/16/2020 15:46	0:24:29	C	3	16.5	11
296265	3125	9/16/2020 18:26	9/16/2020 20:00	1:33:40	C	5	7.5	5
296417	4124	9/18/2020 1:30	9/18/2020 3:47	2:17:28	C	5	273	182
296538	2132	9/18/2020 13:04	9/18/2020 14:54	1:50:18	C	6	411	274
296581	5001	9/18/2020 13:12	9/18/2020 15:13	2:01:17	C	6	111	74
296647	5002	9/18/2020 21:00	9/18/2020 22:36	1:36:03	C	5	162	108
296660	5002	9/19/2020 20:29	9/20/2020 0:10	3:41:11	C	5	27	18
296730	3313	9/19/2020 20:58	9/19/2020 21:57	0:58:50	C	6	328.5	219
296745	3512	9/20/2020 3:29	9/20/2020 5:50	2:21:58	C	6	12	8
296817	4002	9/20/2020 4:36	9/20/2020 6:36	2:00:36	B	6	252	168
296828	1323	9/21/2020 8:29	9/21/2020 10:39	2:10:39	C	6	13.5	9
296835	4121	9/21/2020 10:49	9/21/2020 11:03	0:14:26	C	3	4.5	3
296911	4124	9/22/2020 11:16	9/22/2020 12:22	1:06:42	C	5	268.5	179
296919	5001	9/22/2020 15:29	9/22/2020 15:59	0:30:30	C	5	4.5	3
296959	3612	9/23/2020 8:06	9/23/2020 8:17	0:10:48	C	3	4.5	3
297050	4124	9/23/2020 9:44	9/23/2020 11:32	1:47:45	C	3	353.5	235
297061	2134	9/23/2020 10:42	9/23/2020 16:07	5:25:06	C	6	4.5	3
297158	5002	9/23/2020 13:21	9/23/2020 14:05	0:43:30	C	6	349.5	233
297167	4123	9/23/2020 15:13	9/23/2020 16:24	1:10:50	C	5	30	20
297206	3612	9/24/2020 9:26	9/24/2020 10:08	0:42:17	C	3	3	2
297286	3121	9/25/2020 10:03	9/25/2020 11:30	1:26:23	C	5	97.5	65
297387	5002	9/27/2020 18:27	9/27/2020 19:39	1:12:41	C	5	124.5	83
297417	5001	9/28/2020 11:21	9/28/2020 12:47	1:26:17	C	6	24	16
297433	5001	9/28/2020 11:36	9/28/2020 13:25	1:49:01	C	6	88.5	59
297524	2132	9/28/2020 11:59	9/28/2020 12:41	0:42:21	C	6	354	236
297548	5001	9/28/2020 14:00	9/28/2020 14:57	0:57:16	C	6	103.5	70
297682	2132	10/1/2020 10:48	10/1/2020 11:17	0:29:09	C	3	21	14
297716	3125	10/1/2020 12:34	10/1/2020 13:37	1:03:24	C	5	48	32
297728	2134	10/1/2020 13:25	10/1/2020 15:33	2:07:10	C	6	45	30
297868	4122	10/2/2020 13:12	10/2/2020 14:02	0:50:36	B	6	1020	523

297950	4002	10/2/2020 18:31	10/2/2020 22:42	4:11:27	C	6	541.5	362
298218	3413	10/6/2020 18:50	10/6/2020 19:49	0:58:07	C	5	18	12
298595	3415	10/9/2020 11:07	10/9/2020 11:19	0:12:04	B	6	1370	1535
298610	3413	10/9/2020 21:36	10/9/2020 22:57	1:20:22	C	6	15	10
298678	2134	10/11/2020 23:40	10/12/2020 1:21	1:40:53	C	6	69	46
298740	2134	10/12/2020 13:04	10/12/2020 16:15	3:11:25	C	6	91.5	61
298803	5002	10/12/2020 13:15	10/12/2020 14:04	0:49:37	C	6	349.5	233
298810	5001	10/12/2020 14:51	10/13/2020 9:38	18:46:42	C	6	12	8
298865	5001	10/14/2020 8:44	10/14/2020 9:31	0:46:43	C	3	10.5	7
298879	5002	10/14/2020 12:31	10/14/2020 13:37	1:05:31	C	5	25.5	17
298913	3127	10/15/2020 6:02	10/15/2020 7:08	1:06:35	C	6	13.5	9
299144	3215	10/15/2020 14:24	10/15/2020 15:06	0:42:17	C	6	678	452
299168	3415	10/16/2020 9:34	10/16/2020 10:25	0:50:50	C	6	49.5	34
299204	3125	10/17/2020 11:32	10/17/2020 12:34	1:01:38	C	5	21	14
299299	3512	10/18/2020 8:53	10/18/2020 11:27	2:33:51	C	6	168	112
299333	2311	10/18/2020 10:51	10/18/2020 12:40	1:49:08	C	6	36	24
299344	3412	10/18/2020 11:17	10/18/2020 13:07	1:49:52	C	5	28.5	19
299351	3127	10/18/2020 13:05	10/18/2020 16:47	3:42:00	C	6	1.5	1
299362	2311	10/18/2020 10:51	10/18/2020 15:00	4:09:00	C	6	18	12
299617	2212	10/19/2020 7:15	10/19/2020 8:52	1:36:18	C	5	19.5	13
299674	3412	10/19/2020 11:29	10/19/2020 14:20	2:50:27	C	5	1.5	1
299736	1325	10/19/2020 14:12	10/20/2020 11:55	21:43:23	C	6	16.5	11
299895	2311	10/20/2020 9:20	10/20/2020 15:29	6:08:46	C	3	15	10
299930	3512	10/20/2020 9:22	10/20/2020 11:28	2:05:55	C	5	127.5	85
299950	4002	10/20/2020 9:48	10/20/2020 9:58	0:10:01	C	5	33	22
300025	2134	10/21/2020 10:09	10/21/2020 11:07	0:58:20	C	6	69	46
300030	3414	10/21/2020 11:46	10/21/2020 15:49	4:03:26	C	5	4.5	3
300212	1325	10/24/2020 1:59	10/24/2020 11:41	9:42:16	C	6	163.5	110
300220	1323	10/24/2020 8:57	10/24/2020 9:47	0:50:22	C	3	10.5	7
300231	1322	10/24/2020 15:24	10/24/2020 16:42	1:17:46	C	5	18	12
300261	3313	10/26/2020 13:36	10/26/2020 15:01	1:24:40	C	6	1.5	1
300271	3413	10/26/2020 17:16	10/26/2020 18:23	1:06:44	C	6	22.15	15
300285	3512	10/26/2020 19:17	10/26/2020 19:32	0:14:27	C	6	24	16
300367	4002	10/28/2020 8:05	10/28/2020 8:56	0:50:48	C	6	24	16
300383	1322	10/28/2020 9:01	10/28/2020 10:20	1:19:25	C	3	42	28
300436	4002	10/29/2020 10:26	10/29/2020 12:11	1:45:53	C	6	76.5	52
300495	5001	10/29/2020 11:32	10/29/2020 12:46	1:14:03	C	6	165	110
300512	2311	10/29/2020 12:18	10/29/2020 13:36	1:17:42	C	6	46.5	16
300520	3512	10/29/2020 15:04	10/29/2020 17:01	1:57:02	C	6	4.5	3
300557	3313	10/29/2020 20:54	10/29/2020 22:33	1:38:23	C	6	6	4
300671	3415	10/30/2020 8:57	10/30/2020 10:26	1:29:06	C	6	330	220
300676	2311	10/30/2020 9:50	10/30/2020 10:46	0:56:05	C	6	18	12
300753	3215	10/31/2020 12:05	10/31/2020 12:33	0:27:43	C	6	84	56
300828	3414	11/2/2020 17:34	11/2/2020 19:16	1:42:39	C	5	7.5	1
300841	3413	11/2/2020 18:04	11/2/2020 18:45	0:40:54	C	5	34.5	23
300870	3413	11/4/2020 2:14	11/4/2020 3:43	1:28:33	C	6	10.5	7
300910	3121	11/4/2020 9:06	11/4/2020 17:12	8:06:17	C	5	4.5	3
300928	3415	11/4/2020 11:01	11/4/2020 11:35	0:34:04	C	2	111	75
300938	3415	11/4/2020 12:30	11/4/2020 14:02	1:31:53	C	5	4.5	3
300957	3512	11/4/2020 21:01	11/4/2020 22:08	1:07:22	C	5	6	4
300970	1322	11/5/2020 9:13	11/5/2020 13:31	4:17:31	C	3	15	10
301020	1322	11/6/2020 10:17	11/6/2020 10:19	0:02:07	C	3	42	28
301038	3413	11/6/2020 12:16	11/6/2020 13:07	0:50:43	C	6	54	37
301121	2313	11/7/2020 13:21	11/7/2020 18:33	5:12:07	C	5	39	26
301156	2313	11/7/2020 15:42	11/7/2020 18:33	2:50:11	C	5	39	26
301214	2134	11/8/2020 7:44	11/8/2020 10:00	2:16:44	C	5	30	20
301220	3415	11/8/2020 22:59	11/9/2020 0:15	1:15:56	C	6	6	4
301260	3413	11/9/2020 1:51	11/9/2020 3:02	1:11:20	C	6	168	112
301272	4002	11/9/2020 5:05	11/9/2020 7:32	2:26:21	C	6	33	22
301274	4121	11/9/2020 5:07	11/9/2020 16:17	11:10:30	C	6	6	4
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301498	2312	11/10/2020 10:32	11/10/2020 11:35	1:03:05	C	3	10.5	7
301538	3215	11/10/2020 10:43	11/10/2020 11:27	0:44:19	C	6	151.5	101
301589	5001	11/11/2020 0:27	11/11/2020 3:04	2:37:13	C	6	123	83
301600	5001	11/11/2020 2:22	11/11/2020 3:05	0:42:59	C	6	31.5	21
301701	2312	11/11/2020 10:27	11/11/2020 12:14	1:46:30	B	5	2490	822.6
301701	2313	11/11/2020 10:27	11/11/2020 12:14	1:46:30	B	5	1940	673.2
301736	2311	11/11/2020 14:10	11/11/2020 17:28	3:17:33	C	6	27	18
301738	5001	11/11/2020 14:36	11/11/2020 15:38	1:01:42	C	6	9	6
301751	5001	11/11/2020 22:25	11/12/2020 0:49	2:23:51	C	6	24	19
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301975	1325	11/12/2020 8:19	11/12/2020 12:57	4:37:38	C	5	1.5	1
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302071	4002	11/13/2020 5:30	11/13/2020 7:19	1:49:01	C	6	76.5	51
302077	3512	11/13/2020 7:18	11/13/2020 10:05	2:47:23	C	5	15	10
302094	2311	11/13/2020 10:30	11/13/2020 11:55	1:24:37	C	3	28.5	19
302101	4002	11/13/2020 13:06	11/13/2020 17:18	4:12:19	C	6	3	2
302118	4002	11/13/2020 13:40	11/13/2020 15:01	1:21:16	C	6	57	38
302169	3313	11/14/2020 9:44	11/14/2020 10:07	0:23:16	C	6	6	4
302215	3123	11/16/2020 7:27	11/16/2020 10:51	3:24:31	C	3	22.5	15
302229	3122	11/16/2020 10:10	11/16/2020 10:36	0:25:25	C	3	16.5	11
302259	3413	11/17/2020 2:27	11/17/2020 7:11	4:44:03	C	6	6	4
302308	2134	11/17/2020 14:21	11/17/2020 18:03	3:41:52	C	6	120	80
302370	4002	11/18/2020 7:28	11/18/2020 10:02	2:33:52	C	6	55.5	37
302379	3512	11/18/2020 8:17	11/18/2020 10:06	1:49:27	C	6	19.5	13
302412	4122	11/18/2020 9:10	11/18/2020 11:14	2:03:52	C	6	105	70
302417	4122	11/18/2020 13:49	11/18/2020 15:55	2:05:36	C	2	3	2
302435	3413	11/19/2020 9:26	11/19/2020 13:43	4:17:44	C	3	10.5	7
302608	3611	11/21/2020 6:00	11/21/2020 8:12	2:12:48	C	6	140	276
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302899	3214	11/22/2020 19:43	11/22/2020 20:47	1:04:33	C	6	178.5	119
303021	4002	11/22/2020 20:12	11/22/2020 22:50	2:38:44	C	6	543	362
303074	3415	11/24/2020 0:51	11/24/2020 2:32	1:40:48	C	6	49.5	33
303154	3415	11/24/2020 5:57	11/24/2020 6:50	0:53:16	C	6	390	260
303221	1323	11/25/2020 9:54	11/25/2020 11:59	2:04:36	C	6	25.5	21
303308	4123	11/25/2020 20:47	11/25/2020 22:48	2:00:46	C	6	199.5	133
303318	3512	11/26/2020 13:37	11/26/2020 15:02	1:24:42	C	5	10.5	7
303375	2212	11/30/2020 12:09	11/30/2020 14:36	2:27:06	C	6	3	2
303392	3415	11/30/2020 13:36	11/30/2020 14:06	0:29:43	C	6	40.5	28
303421	2134	12/1/2020 8:02	12/1/2020 9:03	1:01:49	C	6	63	42
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303480	3612	12/2/2020 14:59	12/2/2020 18:32	3:32:19	C	5	1.5	1
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303957	3413	12/10/2020 12:20	12/10/2020 13:14	0:54:21	C	5	81	54

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304026	2314	12/11/2020 14:18	12/11/2020 14:33	0:14:16	B	5	12	8
304056	3512	12/12/2020 11:55	12/12/2020 12:07	0:11:56	C	6	67.5	46
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304395	4002	12/16/2020 17:24	12/16/2020 19:28	2:04:09	C	6	9	6
304472	3415	12/20/2020 14:02	12/20/2020 15:56	1:53:47	C	6	6	4
304482	3612	12/20/2020 16:29	12/20/2020 18:55	2:26:05	C	6	18	12
304705	4002	12/25/2020 1:40	12/25/2020 4:04	2:24:30	C	6	358.5	240
304747	4002	12/25/2020 1:49	12/25/2020 4:04	2:14:55	C	6	186	124
304775	3415	12/25/2020 9:23	12/25/2020 9:55	0:31:12	C	5	85.5	57
304833	3415	12/26/2020 9:26	12/26/2020 10:09	0:43:07	C	6	72	48
304840	3415	12/26/2020 10:13	12/26/2020 10:36	0:22:44	C	5	15	10
304855	3415	12/26/2020 11:49	12/26/2020 12:42	0:52:56	C	6	72	48
304898	3214	12/26/2020 12:55	12/26/2020 13:21	0:26:31	B	6	1110	590
304944	5001	12/26/2020 14:48	12/26/2020 15:55	1:07:04	C	6	166.5	111
304962	2134	12/26/2020 15:21	12/26/2020 17:10	1:48:56	C	6	43.5	29
304972	5001	12/26/2020 15:22	12/26/2020 17:47	2:25:43	C	6	31.5	21
304982	3512	12/26/2020 15:44	12/26/2020 18:14	2:30:34	C	6	13.5	9
304995	3413	12/26/2020 15:57	12/26/2020 17:43	1:45:37	C	6	46.5	31
305001	2134	12/26/2020 16:28	12/26/2020 17:10	0:42:45	C	6	31.5	21
305006	3415	12/26/2020 19:16	12/26/2020 20:22	1:06:08	C	6	4.5	3
305043	3512	12/26/2020 19:46	12/26/2020 21:29	1:43:06	C	6	163.5	109
305067	5001	12/28/2020 10:52	12/28/2020 14:45	3:52:53	C	6	1.5	1

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