



February 24, 2022

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

Subject: KIUC 2021 Annual Service Reliability Report

Dear Mr. Griffin:

Please find enclosed, Kauai Island Utility Cooperative's 2021 Annual Service Reliability Report.

If you have any questions, please call me 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

2021

Prepared
February 24, 2022

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INTRODUCTION

This is the 2021 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: 2017 – 2021 KIUC RELIABILITY INDICES

	2017	2018	2019	2020	2021
System Peak, MW	75.24	77.35	79.69	74.88	75.17
Customers, #	37,439	37,705	38,059	38,445	35,122
ASA, %	99.956	99.979	99.933	99.989	99.985
SAIFI, #	5.75	3.09	7.00	1.34	2.41
CAIDI, minutes	39.73	35.64	50.29	42.73	32.20
SAIDI, minutes	228.45	110.08	352.21	57.35	77.59

Note:

- None of the above data has been normalized.
- Beginning in 2021, streetlight accounts were no longer included in the customers #.

2021 Outages of Significant Magnitude:

1. Interruption Report 318321, 4/29/21, 13:38 PM, 51,451 KWh – Grid was running 100% renewable when system began experiencing severe frequency swings. Attempts to stabilize were unsuccessful and the grid eventually went black. Port Allen unit GT-2 was black started and came online. Load restoration and additional generation began. All customers were restored at 14:47:47.

Follow up to this event has included modifying large BESS frequency droop settings, BESS site control system communications, and AGC tuning.

2. Interruption Report 325931, 8/23/21, 23:34 PM, 35,640 KWh – Underground fault. T&D personnel sectioned off possible trouble spots in an effort to locate the fault. When breaker was successfully closed a majority of customers were still without power due to the sectioning. The restoration process continued section by section approximately 3.5 hours longer until all customers were fully restored. The restoration process also caused two roughly two minute long outages on another nearby circuit. The eventual cause that T&D personnel found was a bad termination that was then fixed and tested.

Fig. 1: ASA (higher is better)

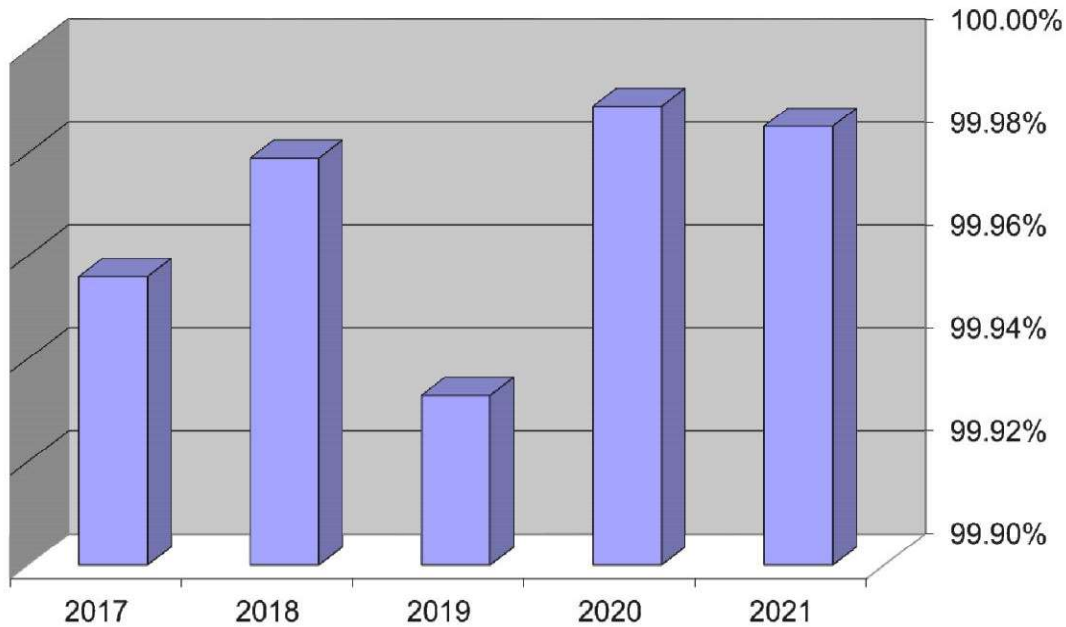


Figure 1 shows the Average System Availability (ASA) for the past five years. The 2021 ASA of 99.985% is the second highest of the five-year period and better than the five-year average of 99.968%.

Fig. 2: SAIFI (lower is better)

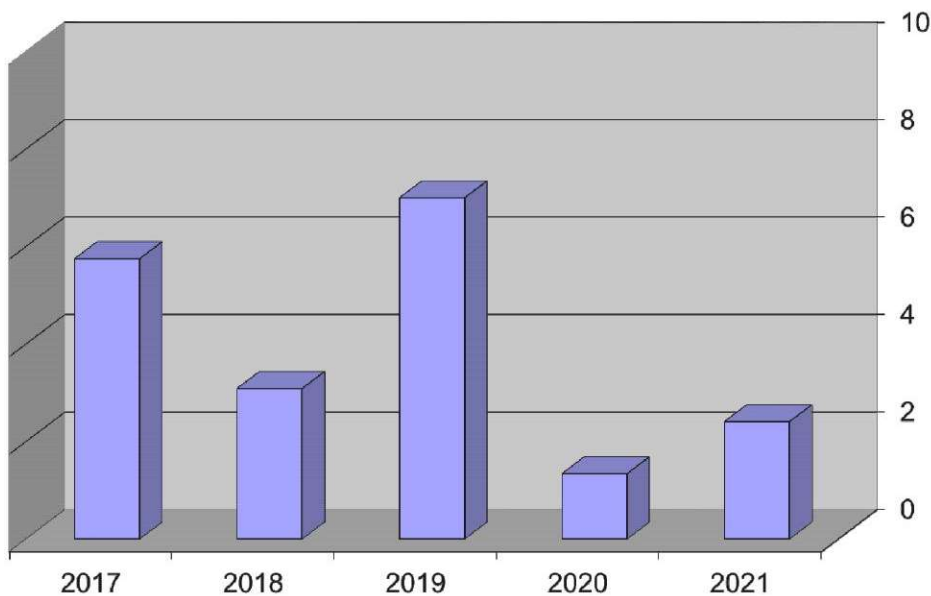


Figure 2 shows the System Average Interruption Frequency Index (SAIFI) for the past five years. The 2021 SAIFI of 2.41 was the second lowest of the five-year period and better than the five-year average of 3.92.

Fig. 3: CAIDI (lower is better)

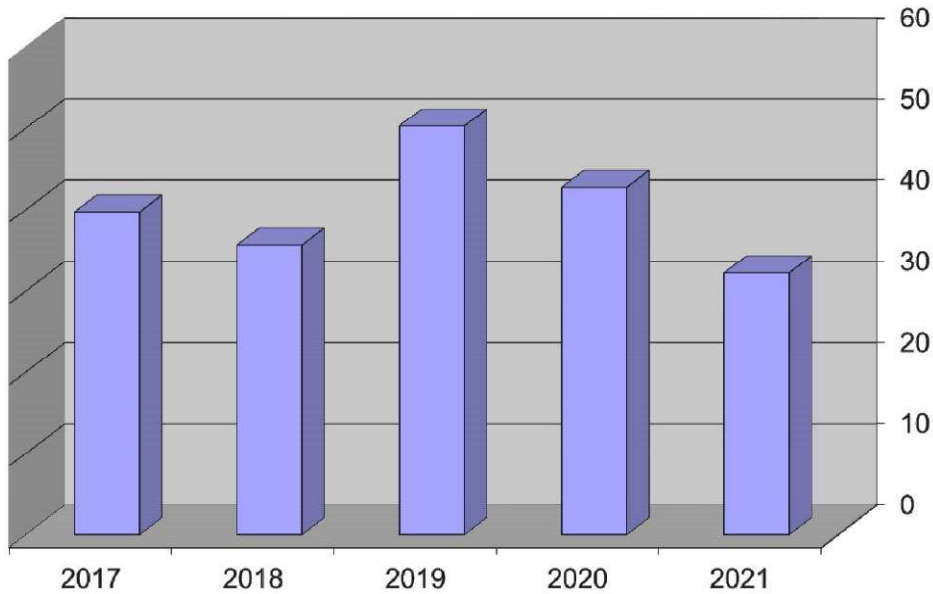


Figure 3 shows the Customer Average Interruption Duration Index (CAIDI) for the past five years. The 2021 CAIDI of 32.20 was the lowest of the five-year period and lower than the five-year average of 40.12.

Fig. 4: SAIDI (lower is better)

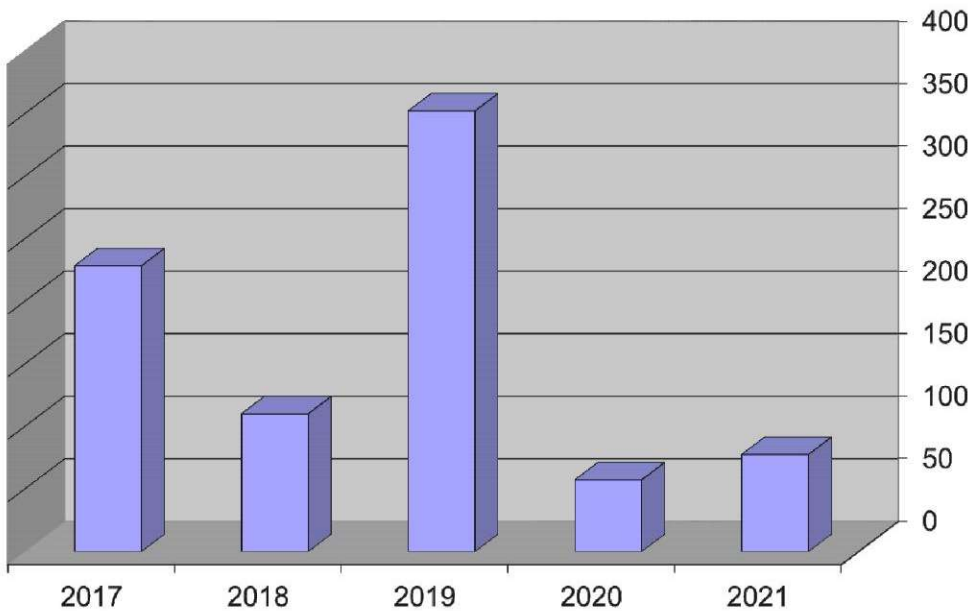


Figure 4 shows the System Average Interruption Duration Index (SAIDI) for the past five years. The 2021 SAIDI of 77.59 is second lowest of the previous five years and is lower than the five-year average of 165.14.

2021 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

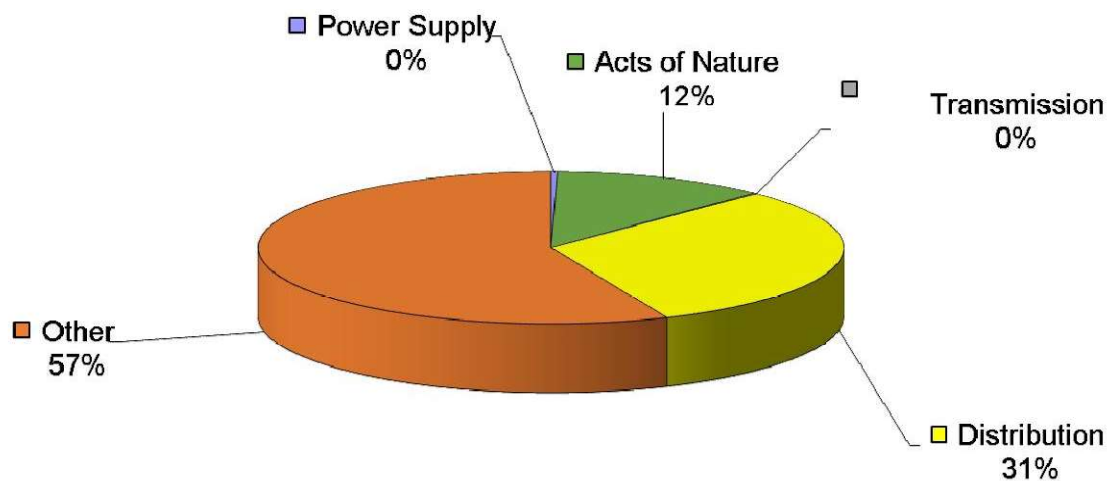


Figure 5 shows the breakdown by frequency. The leading cause of outages was “Other” -- persons or equipment not related to or owned by KIUC. Examples include auto accidents that contact utility poles or wires, non-KIUC contractors such as construction crews that dig into underground cables, or tree trimmers 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

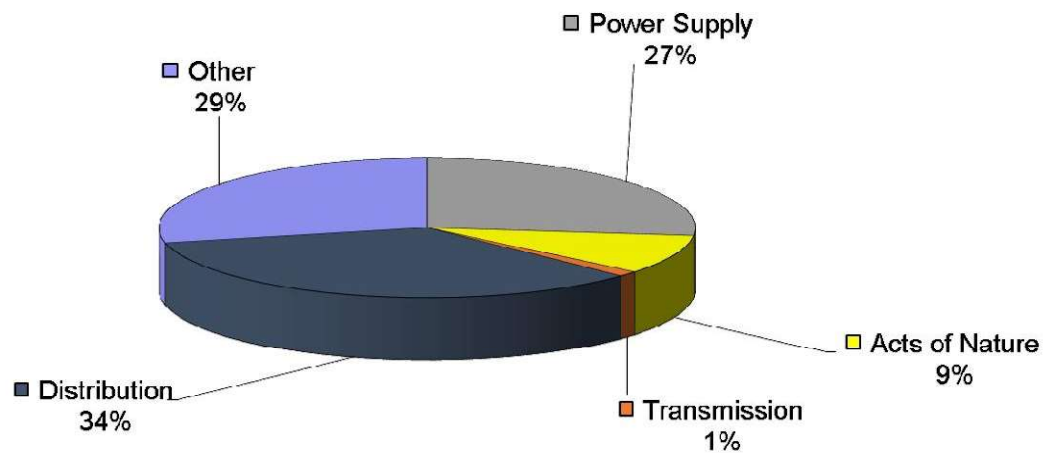


Figure 6 shows the breakdown by magnitude. The same descriptions and examples that were described following Figure 5 apply also for Figure 6. The causes of severe interruptions, in order from most to least, were “Distribution”, “Other”, “Power Supply”, “Acts of Nature”, and lastly “Transmission”.

Outage Number	Breaker	Outage Start Time	Outage End Time	Duration	Class	Type	kW	Consumers
305267	3611	1/3/2021 5:33	1/3/2021 8:25	2:52:00	C	6	10.5	7
305274	4002	1/3/2021 8:26	1/3/2021 10:50	2:24:00	C	6	1.5	1
305366	2134	1/5/2021 8:35	1/5/2021 11:37	3:01:00	C	6	4.5	3
305392	2134	1/5/2021 10:30	1/5/2021 11:37	1:07:00	C	6	91.5	61
305396	5002	1/5/2021 11:24	1/5/2021 12:51	1:27:00	C	5	1.5	1
305414	2311	1/6/2021 10:24	1/6/2021 17:33	7:08:00	C	5	1.5	1
305419	4123	1/6/2021 10:40	1/6/2021 11:09	0:29:00	C	3	10.5	7
305470	3413	1/7/2021 8:19	1/7/2021 8:47	0:27:00	C	6	37.5	25
305515	4122	1/8/2021 8:50	1/8/2021 14:07	5:17:00	C	3	7.5	5
305527	1322	1/8/2021 10:40	1/8/2021 11:51	1:11:00	C	3	10.5	7
305542	3411	1/8/2021 18:37	1/8/2021 19:21	0:44:00	C	5	34.5	23
305566	3215	1/9/2021 5:02	1/9/2021 6:12	1:09:00	C	5	21	14
305647	3612	1/12/2021 0:43	1/12/2021 10:15	9:32:00	B	6	30	20
305653	3127	1/12/2021 11:05	1/12/2021 11:27	0:21:00	C	3	7.5	5
305665	2311	1/12/2021 18:05	1/12/2021 18:37	0:31:00	C	5	22.5	15
305768	5001	1/14/2021 7:28	1/14/2021 8:00	0:31:00	C	5	9	6
305818	4121	1/15/2021 10:03	1/15/2021 10:35	0:32:00	C	3	16.5	11
305887	3127	1/17/2021 13:03	1/17/2021 15:40	2:37:00	C	6	1.5	1
305900	3512	1/17/2021 15:42	1/17/2021 16:47	1:05:00	C	6	51	34
305909	3512	1/17/2021 16:43	1/17/2021 17:46	1:03:00	C	5	24	16
305929	4122	1/17/2021 16:47	1/17/2021 18:28	1:40:00	C	6	75	50
305956	3512	1/17/2021 17:24	1/17/2021 19:39	2:14:00	C	6	127.5	85
305964	1325	1/17/2021 17:40	1/17/2021 21:09	3:29:00	C	6	138	92
305977	1323	1/17/2021 18:14	1/17/2021 20:36	2:21:00	C	6	43.5	29
305996	3512	1/17/2021 18:46	1/17/2021 19:39	0:52:00	C	6	51	34
306023	3413	1/17/2021 19:16	1/17/2021 21:12	1:55:00	C	6	54	36
306062	3413	1/17/2021 19:24	1/17/2021 20:47	1:22:00	C	5	102	68
306078	3413	1/17/2021 19:24	1/17/2021 20:59	1:34:00	C	2	168	112
306141	3415	1/17/2021 19:40	1/17/2021 20:22	0:41:00	C	2	391.5	261
306380	4002	1/17/2021 22:31	1/18/2021 0:15	1:43:00	B	6	300	491
306384	4002	1/18/2021 7:35	1/18/2021 16:54	9:19:00	C	6	1.5	1
306433	2312	1/18/2021 8:36	1/18/2021 13:59	5:22:00	C	6	1.5	1
306443	1232	1/18/2021 9:01	1/18/2021 12:00	2:59:00	B	6	6	12
306450	1322	1/18/2021 9:17	1/18/2021 10:37	1:19:00	C	3	15	10
306596	4002	1/18/2021 10:41	1/18/2021 11:47	1:05:00	B	6	380	491
306634	2311	1/18/2021 11:13	1/18/2021 11:55	0:41:00	C	6	6	300
306636	3127	1/18/2021 11:16	1/18/2021 12:39	1:22:00	C	6	4.5	3
306640	3611	1/18/2021 11:41	1/18/2021 16:25	4:43:00	C	6	6	4
306698	2312	1/18/2021 12:21	1/18/2021 13:58	1:37:00	B	2	1480	755
306703	5001	1/18/2021 12:41	1/18/2021 18:48	6:06:00	C	6	4.5	3
306724	2134	1/18/2021 13:14	1/18/2021 14:04	0:49:00	C	6	63	42
306756	1325	1/18/2021 16:12	1/18/2021 18:21	2:08:00	C	6	80	110
306800	3512	1/18/2021 19:52	1/18/2021 21:09	1:16:00	C	6	88.5	59
306843	4123	1/19/2021 8:48	1/19/2021 10:29	1:41:00	C	2	12	8
306851	5001	1/19/2021 11:26	1/19/2021 13:37	2:11:00	C	2	12	8
306863	4002	1/19/2021 13:50	1/19/2021 23:37	9:47:00	C	2	18	12
306868	4121	1/19/2021 14:23	1/20/2021 13:11	22:48:00	C	2	1.5	1
306963	4122	1/19/2021 15:50	1/19/2021 16:39	0:48:00	B	2	840	524
306968	5001	1/19/2021 17:10	1/20/2021 12:19	19:08:00	C	2	12	8
307027	4123	1/20/2021 1:00	1/20/2021 2:00	1:00:00	C	2	198	132
307052	3512	1/20/2021 2:22	1/20/2021 3:00	0:38:00	C	2	87	58
307061	3415	1/20/2021 7:23	1/20/2021 8:10	0:47:00	C	2	31.5	21
307154	3313	1/21/2021 9:25	1/21/2021 10:35	1:09:00	C	6	328	219
307164	3512	1/21/2021 12:57	1/21/2021 13:52	0:54:00	C	6	13	9
307191	5002	1/22/2021 8:41	1/22/2021 10:50	2:09:00	C	3	14	9
307241	4002	1/23/2021 8:21	1/23/2021 10:03	1:42:00	C	6	24	16
307266	2134	1/23/2021 11:44	1/23/2021 13:31	1:46:00	C	6	67.5	45
307267	3313	1/23/2021 12:56	1/23/2021 14:47	1:50:00	C	6	1.5	1
307290	2213	1/24/2021 18:35	1/24/2021 19:43	1:07:00	C	5	32.5	21
307299	3415	1/25/2021 12:41	1/25/2021 14:01	1:19:00	C	5	4.5	3

307331	3415	1/25/2021 20:22	1/25/2021 21:05	0:43:00	C	6	93	62
307338	3413	1/26/2021 4:24	1/26/2021 6:24	2:00:00	C	6	22.5	15
307521	4002	1/26/2021 5:18	1/26/2021 6:56	1:38:00	C	6	230	493
307621	3214	1/27/2021 6:28	1/27/2021 6:57	0:29:00	B	6	1010	590
307634	4121	1/28/2021 12:08	1/29/2021 15:23	3:15:00	C	6	1.5	1
307649	1323	1/28/2021 13:43	1/28/2021 16:20	2:37:00	C	6	66	44
307690	4121	1/29/2021 11:18	1/29/2021 11:45	0:27:00	C	3	13.5	9
307804	3313	1/31/2021 1:24	1/31/2021 2:27	1:02:00	C	5	328.5	219
307835	3611	2/2/2021 7:59	2/2/2021 13:12	5:13:00	C	6	1.5	1
307889	3413	2/2/2021 23:43	2/3/2021 1:07	1:23:00	C	2	10.5	7
307903	3123	2/3/2021 0:49	2/3/2021 7:51	7:01:00	C	5	44	29
307908	3127	2/3/2021 1:34	2/3/2021 8:17	6:42:00	C	6	9	6
307909	1511	2/3/2021 2:07	2/3/2021 3:29	1:22:00	B	2	890	3
307913	3127	2/3/2021 3:05	2/3/2021 6:16	3:10:00	C	6	1.5	1
307943	3415	2/3/2021 4:28	2/3/2021 6:48	2:19:00	C	6	117	78
307956	2133	2/3/2021 7:21	2/3/2021 10:44	3:23:00	C	6	10.5	7
307984	3413	2/3/2021 12:44	2/3/2021 14:04	1:20:00	C	6	9	7
308025	3512	2/3/2021 17:17	2/3/2021 18:50	1:33:00	C	6	110	109
308043	3215	2/4/2021 1:47	2/4/2021 8:36	6:49:00	C	6	7.5	5
308049	3411	2/4/2021 2:41	2/4/2021 3:13	0:32:00	C	5	15	10
308184	5002	2/6/2021 4:09	2/6/2021 9:06	4:57:00	C	5	7.5	5
308218	3415	2/8/2021 11:13	2/8/2021 12:33	1:20:00	C	6	21	14
308223	3215	2/8/2021 12:09	2/8/2021 13:20	1:10:00	C	6	1.5	1
308235	4002	2/8/2021 12:50	2/8/2021 14:14	1:23:00	C	6	33	22
308362	3125	2/12/2021 6:08	2/12/2021 7:45	1:36:00	C	5	39	26
308374	5001	2/12/2021 10:05	2/12/2021 12:05	1:59:00	C	3	15	11
308436	3215	2/14/2021 6:24	2/14/2021 7:43	1:19:00	C	6	153	102
308486	2311	2/15/2021 13:22	2/15/2021 20:18	6:56:00	C	6	1.5	1
308496	3127	2/16/2021 10:40	2/16/2021 12:17	1:36:00	C	6	9	6
308497	3215	2/16/2021 11:11	2/16/2021 13:07	1:55:00	C	6	1.5	1
308640	4199	2/17/2021 1:29	2/17/2021 1:38	0:09:00	A	2	3050	4232
309669	4199	2/17/2021 1:46	2/17/2021 1:50	0:04:00	A	2	3800	4232
310126	3512	2/17/2021 3:47	2/17/2021 4:59	1:12:00	C	5	69	46
310146	2312	2/17/2021 18:36	2/17/2021 18:46	0:10:00	C	5	37.5	25
310217	4002	2/17/2021 21:30	2/17/2021 23:01	1:31:00	C	2	76.5	51
310229	3512	2/18/2021 11:21	2/18/2021 15:57	4:36:00	C	5	1.5	1
310250	3512	2/18/2021 12:58	2/18/2021 13:04	0:06:00	C	3	52.5	35
310252	3121	2/18/2021 15:44	2/19/2021 0:41	8:56:00	C	5	4.5	3
310253	5001	2/18/2021 17:23	2/18/2021 19:45	2:21:00	C	2	1.5	1
310264	2134	2/18/2021 20:33	2/18/2021 22:33	1:59:00	C	6	43.5	29
310297	4124	2/19/2021 6:08	2/19/2021 8:54	2:45:00	C	6	64.5	43
310310	3512	2/19/2021 8:54	2/19/2021 9:50	0:55:00	C	5	31.5	21
310317	3415	2/19/2021 13:22	2/19/2021 13:47	0:25:00	C	6	10.5	7
310407	3215	2/19/2021 13:34	2/19/2021 13:40	0:05:00	B	2	1680	1949
310453	4199	2/19/2021 13:47	2/19/2021 13:58	0:10:00	A	2	5430	4232
311522	1432	2/19/2021 14:08	2/19/2021 16:15	2:06:00	C	2	39	26
311527	1432	2/19/2021 14:09	2/19/2021 16:19	2:09:00	C	2	15	10
311535	1323	2/19/2021 14:30	2/19/2021 15:48	1:17:00	C	2	27	18
311536	1323	2/19/2021 14:37	2/19/2021 16:58	2:20:00	C	2	1.5	1
311597	2311	2/19/2021 22:44	2/20/2021 0:49	2:04:00	C	6	36	24
311602	2311	2/20/2021 8:19	2/20/2021 9:39	1:19:00	C	5	3	2
311622	3123	2/22/2021 4:46	2/23/2021 13:13	8:26:00	C	5	6	4
311637	3512	2/22/2021 10:36	2/22/2021 12:28	1:51:00	C	6	21	14
311647	1323	2/22/2021 13:03	2/22/2021 14:31	1:28:00	C	6	21	14
311657	4002	2/22/2021 13:23	2/22/2021 13:42	0:19:00	C	5	10.5	7
311669	3512	2/22/2021 19:14	2/22/2021 22:19	3:04:00	C	5	3	2
311721	2212	2/22/2021 20:50	2/22/2021 22:56	2:05:00	C	5	9	6
311753	3415	2/23/2021 9:29	2/23/2021 12:18	2:49:00	C	6	87	58
311893	4002	2/23/2021 13:43	2/23/2021 15:34	1:50:00	C	6	543	362
311898	1325	2/23/2021 20:05	2/24/2021 1:10	5:04:00	C	6	1.5	1
311929	1323	2/24/2021 13:00	2/24/2021 14:06	1:05:00	C	6	21	15

311959	4123	2/25/2021 12:02	2/25/2021 13:07	1:05:00	C	6	65	43
311989	3413	2/25/2021 15:27	2/25/2021 16:25	0:57:00	C	6	139.5	94
312003	2212	2/25/2021 18:40	2/25/2021 20:45	2:05:00	C	5	19.5	13
312011	5001	2/26/2021 3:46	2/26/2021 10:35	6:49:00	C	6	1.5	1
312022	3121	2/27/2021 13:01	2/27/2021 15:16	2:15:00	C	6	1.5	101
312023	3214	2/27/2021 13:07	2/27/2021 14:18	1:11:00	C	5	1.5	1
312024	5001	2/27/2021 14:06	2/27/2021 16:44	2:37:00	C	5	1.5	1
312111	3413	2/27/2021 14:56	2/27/2021 15:30	0:33:00	B	6	2560	2847
312160	3413	2/27/2021 17:38	2/27/2021 18:23	0:45:00	B	5	3950	2847
312202	5001	2/28/2021 13:15	2/28/2021 14:54	1:39:00	C	6	121.5	81
312315	3215	3/1/2021 11:46	3/1/2021 12:33	0:47:00	C	5	100	279
312334	3127	3/1/2021 12:28	3/1/2021 13:20	0:52:00	C	6	10.5	7
312464	5001	3/2/2021 10:51	3/2/2021 10:59	0:08:00	B	5	1330	1194
312465	5001	3/2/2021 10:51	3/2/2021 12:56	2:05:00	C	5	21	14
312479	5001	3/2/2021 20:41	3/2/2021 23:15	2:34:00	C	6	24	16
312540	3127	3/3/2021 2:38	3/3/2021 7:52	5:14:00	C	6	9	6
312558	5001	3/2/2021 10:51	3/2/2021 14:55	4:04:00	C	6	12	8
312584	5001	3/3/2021 13:38	3/3/2021 14:11	0:33:00	C	6	103.5	70
312637	1325	3/4/2021 14:33	3/4/2021 14:52	0:18:00	B	6	430	167
312687	3127	3/5/2021 12:18	3/5/2021 12:37	0:19:00	C	6	13.5	9
312695	3127	3/5/2021 13:58	3/5/2021 15:24	1:26:00	C	6	10.5	7
312740	3415	3/5/2021 15:37	3/5/2021 16:44	1:06:00	C	5	133.5	89
312822	3411	3/7/2021 0:58	3/7/2021 6:31	5:32:00	C	5	16	11
312845	3512	3/8/2021 10:22	3/8/2021 12:15	1:53:00	C	6	25.5	17
313034	4123	3/8/2021 13:39	3/8/2021 14:20	0:40:00	B	6	680	508
313041	4123	3/8/2021 14:25	3/8/2021 15:16	0:51:00	B	6	470	508
313118	4123	3/8/2021 15:24	3/8/2021 16:14	0:50:00	B	6	430	508
313271	3127	3/8/2021 20:56	3/9/2021 0:24	3:27:00	C	6	1.5	1
313282	5002	3/8/2021 21:18	3/8/2021 22:54	1:36:00	C	6	34.5	23
313290	3215	3/8/2021 22:10	3/8/2021 23:41	1:31:00	C	6	7.5	5
313292	5001	3/9/2021 8:34	3/9/2021 15:42	7:08:00	C	6	6	4
313298	3125	3/9/2021 10:54	3/9/2021 12:57	2:02:00	C	5	7.5	5
313302	5002	3/9/2021 11:55	3/9/2021 14:06	2:10:00	C	5	1.5	1
313318	4123	3/9/2021 13:10	3/9/2021 14:49	1:38:00	C	5	64.5	43
313369	3415	3/9/2021 16:46	3/9/2021 17:37	0:51:00	C	6	294	196
313387	3415	3/9/2021 19:59	3/9/2021 21:17	1:17:00	C	2	16.5	11
313451	5001	3/9/2021 21:36	3/9/2021 22:55	1:19:00	C	5	268	179
313459	3414	3/9/2021 23:08	3/10/2021 1:18	2:10:00	C	6	27	18
313464	3415	3/10/2021 1:18	3/10/2021 3:44	2:25:00	C	5	4.5	3
313466	3612	3/10/2021 2:14	3/10/2021 10:30	8:15:00	C	2	4.5	3
314141	4199	3/10/2021 2:31	3/10/2021 2:40	0:09:00	A	2	3090	4235
314383	3127	3/10/2021 3:04	3/10/2021 5:46	2:41:00	C	6	9	6
314391	3126	3/10/2021 7:32	3/10/2021 8:00	0:27:00	C	5	1.5	1
314441	3512	3/10/2021 8:17	3/10/2021 9:07	0:50:00	C	2	163.5	109
314449	3512	3/10/2021 8:22	3/10/2021 10:45	2:22:00	C	2	25.5	17
314453	3127	3/10/2021 11:16	3/10/2021 12:36	1:19:00	C	5	1.5	1
314459	3612	3/10/2021 13:31	3/10/2021 14:52	1:21:00	C	5	4.5	3
314466	3611	3/10/2021 17:57	3/10/2021 19:45	1:48:00	C	2	10.5	7
314576	1325	3/11/2021 4:12	3/11/2021 6:10	1:58:00	C	6	163.5	109
314628	4121	3/11/2021 11:16	3/11/2021 13:32	2:15:00	C	5	189	126
314673	1323	3/12/2021 9:41	3/12/2021 11:00	1:18:00	C	6	1.5	1
314686	2134	3/12/2021 10:08	3/12/2021 11:54	1:45:00	C	6	31.5	21
314716	5001	3/12/2021 11:10	3/12/2021 12:05	0:55:00	C	6	123	82
314728	5001	3/12/2021 12:10	3/12/2021 15:06	2:55:00	C	2	123	82
314742	3127	3/12/2021 12:16	3/12/2021 14:10	1:54:00	C	6	1.5	1
314754	2134	3/12/2021 12:20	3/12/2021 13:51	1:31:00	C	6	31.5	21
314807	2134	3/12/2021 15:57	3/12/2021 16:49	0:52:00	C	6	91.5	61
314822	3415	3/13/2021 2:04	3/13/2021 4:00	1:56:00	C	5	7.5	5
314904	2312	3/13/2021 3:51	3/13/2021 6:30	2:39:00	B	5	1730	752
314927	2134	3/13/2021 4:48	3/13/2021 14:38	9:49:00	C	6	80.5	47
314989	3413	3/13/2021 8:29	3/13/2021 9:32	1:02:00	C	6	168	112

315009	4121	3/13/2021 9:00	3/13/2021 10:22	1:21:00	C	3	484.5	323
315074	2312	3/13/2021 9:27	3/13/2021 10:15	0:47:00	C	5	1490	752
315091	1325	3/13/2021 16:46	3/13/2021 19:14	2:28:00	C	6	10.5	7
315188	4002	3/13/2021 22:41	3/14/2021 1:23	2:41:00	B	6	350	493
315257	4121	3/15/2021 6:02	3/15/2021 8:01	1:59:00	B	6	690	460
315273	3413	3/15/2021 18:44	3/15/2021 19:58	1:14:00	C	5	1.5	1
315303	3415	3/16/2021 9:03	3/16/2021 9:31	0:28:00	C	6	94.5	63
315307	3414	3/16/2021 10:24	3/18/2021 12:48	2:24:00	C	3	6	4
315323	3612	3/16/2021 12:34	3/16/2021 21:14	8:40:00	B	6	30	20
315332	3612	3/16/2021 23:20	3/17/2021 12:36	13:15:00	C	5	1.5	1
315390	1325	3/17/2021 10:56	3/17/2021 13:14	2:18:00	C	3	172.5	115
315437	2134	3/17/2021 15:25	3/17/2021 18:05	2:39:00	C	5	195	130
315761	3122	3/18/2021 12:17	3/18/2021 13:04	0:47:00	B	5	2290	783
315775	2134	3/18/2021 13:13	3/18/2021 13:48	0:35:00	C	6	43.5	29
315805	2134	3/18/2021 14:53	3/18/2021 16:23	1:29:00	C	6	63	42
315861	4002	3/19/2021 1:32	3/19/2021 4:07	2:34:00	C	6	543	362
315957	5002	3/19/2021 9:42	3/19/2021 10:14	0:31:00	C	5	16.5	11
315958	5001	3/19/2021 9:52	3/19/2021 10:01	0:09:00	C	6	4.5	3
316009	4124	3/23/2021 9:25	3/23/2021 11:23	1:58:00	C	5	4.5	3
316016	3215	3/23/2021 12:49	3/23/2021 14:00	1:10:00	C	6	1.5	1
316071	1325	3/24/2021 0:51	3/24/2021 5:11	4:20:00	C	6	1.5	1
316135	3214	3/25/2021 6:31	3/25/2021 7:41	1:09:00	C	5	7.5	5
316216	4123	3/25/2021 16:42	3/25/2021 19:56	3:13:00	C	6	262.5	175
316240	5001	3/26/2021 8:45	3/26/2021 11:32	2:46:00	C	6	31.5	22
316272	3415	3/26/2021 10:01	3/26/2021 10:27	0:26:00	C	3	16.5	11
316277	5001	3/26/2021 10:43	3/26/2021 11:32	0:49:00	C	6	12	8
316331	4002	3/26/2021 11:04	3/26/2021 12:29	1:24:00	C	6	186	124
316344	2311	3/26/2021 15:42	3/26/2021 17:30	1:47:00	C	6	1.5	1
316350	5001	3/27/2021 1:14	3/27/2021 11:12	9:57:00	C	6	12	8
316414	4002	3/29/2021 9:01	3/29/2021 11:18	2:17:00	C	2	186	124
316475	1323	3/29/2021 12:39	3/29/2021 12:54	0:15:00	B	6	1820	1420
316521	3122	3/30/2021 4:49	3/30/2021 12:05	7:15:00	C	5	6	4
316585	2212	4/1/2021 9:56	4/4/2021 12:02	2:06:00	C	5	1.5	1
316595	3411	4/1/2021 14:06	4/2/2021 15:00	0:54:00	C	5	1.5	1
316605	5002	4/2/2021 7:51	4/2/2021 11:44	3:52:00	C	6	1.5	1
316611	2134	4/2/2021 11:06	4/2/2021 14:24	3:17:00	C	5	7.5	5
316730	1511	4/6/2021 10:23	4/6/2021 10:36	0:12:00	C	6	360	1
316761	3413	4/6/2021 16:20	4/6/2021 16:31	0:11:00	C	6	106.5	71
316768	3414	4/7/2021 8:42	4/7/2021 10:39	1:57:00	C	3	7.5	5
316833	3313	4/7/2021 11:26	4/7/2021 12:25	0:58:00	C	5	328.5	219
316869	3411	4/7/2021 14:48	4/7/2021 15:55	1:07:00	C	3	1.5	1
316932	4123	4/9/2021 9:39	4/9/2021 11:32	1:52:00	C	3	6	4
316979	3611	4/11/2021 10:59	4/11/2021 14:02	3:02:00	C	6	1.5	1
317036	3313	4/12/2021 8:47	4/12/2021 9:25	0:37:00	C	3	25.5	17
317046	5002	4/12/2021 9:08	4/12/2021 10:52	1:43:00	C	6	22.5	15
317086	4122	4/13/2021 1:56	4/13/2021 4:26	2:30:00	C	5	52.5	35
317093	3414	4/13/2021 7:52	4/13/2021 9:33	1:40:00	C	3	18	12
317249	3415	4/15/2021 10:34	4/15/2021 15:18	4:44:00	C	6	280.5	187
317268	4124	4/15/2021 15:45	4/15/2021 18:13	2:28:00	C	5	4.5	3
317326	5002	4/16/2021 15:35	4/16/2021 15:56	0:21:00	C	5	13.5	9
317666	3122	4/21/2021 11:06	4/21/2021 11:18	0:11:00	B	6	1176	784
317706	3313	4/21/2021 16:28	4/21/2021 17:49	1:21:00	B	6	1440	1402
317711	5001	4/21/2021 23:17	4/22/2021 12:22	13:05:00	C	6	12	8
317716	3313	4/22/2021 8:37	4/22/2021 9:30	0:52:00	C	5	1.5	1
317735	2311	4/22/2021 9:26	4/22/2021 9:27	0:01:00	C	3	39	27
317751	2311	4/22/2021 14:44	4/22/2021 14:56	0:12:00	C	3	39	27
317759	3123	4/22/2021 16:26	4/22/2021 17:38	1:11:00	C	6	9	6
317777	5002	4/22/2021 21:13	4/22/2021 22:55	1:41:00	C	5	27	18
317834	2132	4/24/2021 11:14	4/24/2021 12:56	1:42:00	C	6	357	238
317939	2132	4/27/2021 13:34	4/27/2021 13:36	0:02:00	C	3	13.5	9
317983	2212	4/28/2021 18:50	4/28/2021 21:24	2:34:00	C	5	19.5	14

317993	2212	4/28/2021 21:13	4/28/2021 21:47	0:33:00	C	5	22.5	15
318011	3415	4/29/2021 11:57	4/29/2021 13:40	1:42:00	C	6	18	12
318321		4/29/2021 13:38	4/29/2021 14:47	1:09:00	A	1	44740	35091
319117	5001	4/29/2021 13:45	4/29/2021 18:46	5:01:00	C	5	21	14
319240	5002	4/29/2021 17:19	4/29/2021 17:55	0:36:00	C	6	620	539
319301	5002	5/2/2021 12:33	5/2/2021 14:12	1:38:00	C	5	18	12
319303	3512	5/2/2021 15:50	5/2/2021 17:37	1:47:00	C	5	3	2
319327	3512	5/3/2021 23:01	5/4/2021 0:33	1:32:00	C	5	12	8
319432	3125	5/6/2021 2:59	5/6/2021 4:17	1:18:00	C	3	15	10
319531	2134	5/7/2021 6:14	5/7/2021 11:23	5:09:00	C	6	70.5	47
319537	1233	5/7/2021 8:51	5/7/2021 16:13	7:21:00	C	5	1.5	1
319577	1432	5/8/2021 12:21	5/8/2021 16:20	3:58:00	C	6	28.5	19
319585	5001	5/8/2021 18:25	5/8/2021 21:09	2:44:00	C	5	124.5	83
319607	5002	5/8/2021 20:48	5/8/2021 21:00	0:12:00	C	6	123	82
319611	3123	5/9/2021 9:20	5/9/2021 9:57	0:36:00	C	3	7.5	5
319623	4002	5/9/2021 15:40	5/9/2021 17:17	1:36:00	C	6	33	22
319629	3415	5/9/2021 22:16	5/9/2021 23:51	1:34:00	C	6	9	6
319694	3413	5/11/2021 2:51	5/11/2021 3:54	1:02:00	C	6	48.5	31
319760	5002	5/11/2021 17:12	5/11/2021 17:16	0:03:00	B	5	1870	1743
319821	3214	5/12/2021 13:43	5/13/2021 8:53	19:10:00	C	5	1.5	1
319826	4002	5/13/2021 9:20	5/13/2021 10:19	0:58:00	C	5	1.5	1
319932	2132	5/14/2021 16:56	5/14/2021 17:53	0:56:00	C	3	15	10
319972	3127	5/15/2021 4:09	5/15/2021 7:44	3:34:00	C	5	1.5	1
319988	3415	5/16/2021 9:30	5/16/2021 13:55	4:24:00	C	5	54	36
320047	1322	5/18/2021 20:29	5/18/2021 23:14	2:45:00	C	5	130.5	87
320238	3127	5/19/2021 14:35	5/19/2021 14:48	0:13:00	B	6	2420	1523
320246	4122	5/20/2021 9:02	5/20/2021 10:18	1:16:00	C	3	3	2
320317	4122	5/20/2021 9:52	5/20/2021 10:18	0:26:00	B	6	600	523
320441	4123	5/23/2021 13:00	5/23/2021 14:39	1:39:00	C	6	28.5	19
320548	4002	5/24/2021 19:48	5/24/2021 22:16	2:28:00	C	6	55.5	38
320554	3512	5/25/2021 0:36	5/25/2021 2:52	2:16:00	C	5	15	10
320555	2311	5/25/2021 7:29	5/26/2021 13:45	6:16:00	C	5	1.5	1
320761	3512	5/27/2021 4:56	5/27/2021 6:10	1:13:00	B	5	1960	2368
320786	1323	5/27/2021 13:09	5/27/2021 13:46	0:36:00	C	5	37.5	25
320790	4122	5/27/2021 13:18	5/27/2021 13:34	0:16:00	C	3	10.5	7
320830	3512	5/28/2021 2:48	5/28/2021 4:07	1:18:00	C	5	9	6
320833	2311	5/28/2021 9:06	5/28/2021 10:54	1:48:00	C	3	7.5	5
320887	3612	5/29/2021 11:46	5/29/2021 16:29	4:43:00	C	6	15	11
320892	2311	5/29/2021 12:42	5/29/2021 14:07	1:25:00	C	5	15	10
320910	4002	5/30/2021 1:33	5/30/2021 4:28	2:55:00	C	6	69	46
320914	5002	5/30/2021 15:45	5/30/2021 20:16	4:31:00	C	5	1.5	1
321033	3413	6/3/2021 7:58	6/3/2021 9:33	1:34:00	C	6	13.5	9
321046	2132	6/3/2021 9:02	6/3/2021 14:08	5:06:00	C	6	4.5	3
321160	1325	6/5/2021 6:38	6/5/2021 8:34	1:56:00	C	6	163.5	110
321169	3413	6/5/2021 10:15	6/5/2021 11:29	1:14:00	C	6	6	4
321200	4002	6/5/2021 11:09	6/5/2021 13:22	2:12:00	C	6	186	124
321204	5001	6/5/2021 18:10	6/6/2021 12:04	17:54:00	C	6	12	8
321234	3121	6/6/2021 22:00	6/6/2021 22:52	0:52:00	C	6	12	8
321443	3121	6/10/2021 8:24	6/10/2021 9:08	0:43:00	C	6	12	8
321462	3612	6/10/2021 9:07	6/10/2021 9:14	0:06:00	B	6	70	20
321472	4123	6/10/2021 11:28	6/10/2021 14:26	2:58:00	C	5	9	6
321473	3127	6/10/2021 12:43	6/10/2021 15:30	2:47:00	C	6	1.5	1
321482	3415	6/10/2021 17:08	6/10/2021 20:11	3:03:00	C	6	6	5
321537	3413	6/12/2021 1:09	6/12/2021 2:37	1:27:00	C	6	22.5	15
321580	1323	6/13/2021 20:56	6/13/2021 22:44	1:47:00	C	6	9	6
321823	3611	6/16/2021 3:42	6/16/2021 4:53	1:11:00	B	6	320	687
321835	3612	6/16/2021 7:35	6/16/2021 13:09	5:34:00	C	5	18	12
321855	3611	6/16/2021 11:31	6/16/2021 12:08	0:36:00	C	3	9	6
321857	3611	6/16/2021 11:31	6/16/2021 12:08	0:36:00	C	3	9	6
321858	2134	6/16/2021 10:24	6/16/2021 12:21	1:57:00	C	6	69	46
321877	3611	6/16/2021 15:56	6/16/2021 17:14	1:18:00	C	3	9	6

321880	3611	6/16/2021 15:57	6/16/2021 17:08	1:10:00	C	3	9	6
321997	3127	6/18/2021 22:44	6/19/2021 1:29	2:45:00	C	6	13.5	9
322008	3414	6/19/2021 13:21	6/19/2021 15:53	2:31:00	C	5	13.5	9
322012	3215	6/19/2021 16:48	6/19/2021 19:11	2:23:00	C	6	3	2
322030	3415	6/20/2021 3:09	6/20/2021 4:21	1:12:00	C	6	7.5	5
322043	3215	6/21/2021 4:26	6/21/2021 5:50	1:24:00	C	5	4.5	3
322080	4123	6/21/2021 13:12	6/21/2021 16:19	3:07:00	C	5	570	133
322132	3215	6/21/2021 15:23	6/21/2021 18:17	2:54:00	C	5	4.5	3
322184	1325	6/22/2021 9:16	6/22/2021 11:09	1:53:00	C	6	163.5	109
322193	2134	6/22/2021 9:59	6/22/2021 10:30	0:31:00	C	3	19.5	13
322196	1322	6/22/2021 10:03	6/22/2021 12:09	2:06:00	C	3	7.5	5
322199	3413	6/22/2021 13:38	6/22/2021 15:14	1:36:00	C	5	9	6
322435	2212	6/26/2021 8:06	6/26/2021 9:15	1:09:00	C	5	61.5	41
322507	2311	6/29/2021 10:32	6/29/2021 10:59	0:26:00	C	3	9	6
322636	4002	7/2/2021 17:22	7/2/2021 21:00	3:38:00	C	6	27	18
322679	5001	7/3/2021 11:25	7/3/2021 17:00	5:34:00	C	6	1.5	1
322682	5001	7/3/2021 18:45	7/3/2021 21:40	2:54:00	C	5	6	4
322729	3415	7/4/2021 11:03	7/4/2021 12:25	1:22:00	C	6	4.5	3
322830	4002	7/4/2021 21:54	7/4/2021 23:54	1:59:00	B	6	410	496
322838	3415	7/4/2021 22:50	7/5/2021 0:43	1:53:00	C	6	24	16
322841	3512	7/5/2021 6:17	7/5/2021 20:46	14:28:00	C	6	1.5	1
322842	2134	7/5/2021 6:49	7/5/2021 8:43	1:54:00	C	6	1.5	1
322856	4002	7/5/2021 18:43	7/5/2021 20:26	1:42:00	C	6	34.5	23
322986	3121	7/7/2021 4:28	7/7/2021 6:06	1:38:00	C	5	34.5	24
322995	1323	7/7/2021 5:56	7/7/2021 8:35	2:39:00	C	5	3	2
323021	5001	7/7/2021 6:19	7/7/2021 7:09	0:49:00	C	6	123	83
323031	3411	7/7/2021 11:06	7/7/2021 13:30	2:24:00	C	5	1.5	1
323081	5001	7/7/2021 19:00	7/8/2021 8:53	13:53:00	C	6	12	8
323311	3512	7/12/2021 14:18	7/12/2021 15:23	1:05:00	C	6	109.5	73
323314	3512	7/12/2021 14:18	7/12/2021 20:59	6:41:00	C	6	52.5	35
323349	5001	7/12/2021 17:25	7/12/2021 18:47	1:22:00	C	6	123	83
323374	3121	7/12/2021 18:09	7/12/2021 19:54	1:44:00	C	5	192	128
323385	5001	7/12/2021 18:39	7/12/2021 18:47	0:07:00	C	6	31.5	22
323429	2133	7/13/2021 2:44	7/13/2021 12:58	10:13:00	C	6	4.5	3
323541	3512	7/14/2021 19:10	7/15/2021 9:44	14:34:00	C	5	1.5	1
323540	4002	7/15/2021 3:45	7/15/2021 7:02	3:17:00	C	6	27	18
323624	1325	7/16/2021 5:20	7/16/2021 13:51	8:31:00	C	6	163	110
323636	5001	7/16/2021 10:43	7/16/2021 15:00	4:16:00	C	5	1.5	1
323659	3121	7/16/2021 14:10	7/16/2021 15:37	1:26:00	C	5	99	66
323688	4122	7/16/2021 20:50	7/16/2021 23:25	2:35:00	C	6	33	22
323695	3121	7/17/2021 6:36	7/17/2021 8:06	1:30:00	C	6	12	8
323755	3125	7/18/2021 11:08	7/18/2021 12:01	0:53:00	C	2	178.5	119
323765	3512	7/18/2021 21:06	7/18/2021 21:58	0:51:00	C	5	16.5	11
323767	3611	7/19/2021 6:41	7/19/2021 14:42	8:01:00	C	6	4.5	3
323816	1322	7/19/2021 6:48	7/19/2021 8:27	1:38:00	C	5	301.5	201
323844	4002	7/19/2021 15:18	7/19/2021 17:37	2:18:00	C	6	34.5	24
323965	5001	7/20/2021 13:03	7/20/2021 13:40	0:37:00	B	5	810	1199
323974	3121	7/20/2021 13:26	7/20/2021 13:51	0:25:00	C	3	19.5	13
324029	3121	7/21/2021 13:18	7/21/2021 15:18	2:00:00	C	5	4.5	3
324106	5001	7/22/2021 18:15	7/22/2021 19:46	1:31:00	C	6	151.5	101
324129	3611	7/23/2021 9:20	7/23/2021 13:08	3:48:00	C	6	46.5	31
324159	2313	7/24/2021 17:01	7/24/2021 20:12	3:10:00	C	5	127.5	85
324183	3415	7/24/2021 21:48	7/24/2021 22:33	0:45:00	C	6	96	65
324195	5001	7/25/2021 7:35	7/25/2021 13:08	5:32:00	C	6	12	8
324230	3413	7/26/2021 2:24	7/26/2021 5:17	2:52:00	C	5	10.5	7
324287	2313	7/26/2021 23:11	7/27/2021 1:56	2:45:00	C	5	72	48
324323	4124	7/28/2021 10:46	7/28/2021 11:16	0:29:00	C	3	15	10
324349	3512	7/28/2021 18:10	7/28/2021 19:35	1:25:00	C	5	67.5	46
324384	3127	7/29/2021 3:52	7/29/2021 6:43	2:51:00	C	6	9	6
324385	3413	7/29/2021 8:52	7/29/2021 9:55	1:03:00	C	3	1.5	1
324434	5001	7/30/2021 6:23	7/30/2021 7:33	1:09:00	C	6	1.5	1

324576	1322	8/1/2021 11:47	8/1/2021 13:00	1:12:00	C	5	120	80
324663	3121	8/2/2021 15:16	8/2/2021 16:08	0:51:00	C	6	12	8
324728	4121	8/3/2021 11:39	8/3/2021 16:53	5:13:00	C	6	7.5	5
324742	1323	8/3/2021 12:30	8/3/2021 14:32	2:01:00	C	3	13.5	9
324756	3612	8/3/2021 13:39	8/3/2021 15:28	1:48:00	C	6	18	12
324768	1325	8/3/2021 20:49	8/4/2021 13:21	16:32:00	C	6	16.5	11
324788	4123	8/4/2021 15:11	8/4/2021 18:00	2:48:00	C	6	6	4
324833	3121	8/5/2021 9:55	8/5/2021 10:17	0:22:00	C	3	6	4
325051	3413	8/6/2021 10:14	8/6/2021 10:29	0:15:00	B	6	2130	2855
325053	2134	8/6/2021 10:14	8/6/2021 11:40	1:25:00	C	3	9	6
325082	3512	8/8/2021 19:28	8/8/2021 21:04	1:36:00	C	5	28.5	19
325227	3512	8/10/2021 13:11	8/10/2021 14:37	1:26:00	C	6	1.5	1
325372	4124	8/16/2021 2:26	8/16/2021 6:13	3:46:00	C	5	93	62
325380	4124	8/16/2021 5:17	8/16/2021 5:38	0:21:00	C	5	36	24
325389	1323	8/16/2021 9:19	8/16/2021 9:36	0:17:00	C	5	27	18
325538	3512	8/17/2021 20:09	8/17/2021 22:05	1:55:00	C	5	54	36
325570	3512	8/19/2021 10:12	8/19/2021 12:12	2:00:00	C	5	18	12
325617	3512	8/20/2021 12:15	8/20/2021 13:09	0:54:00	C	6	163.5	109
325685	1323	8/21/2021 10:55	8/21/2021 12:28	1:32:00	C	6	3	2
325694	3127	8/21/2021 15:38	8/21/2021 17:39	2:00:00	C	6	9	6
325792	3512	8/23/2021 2:38	8/23/2021 4:38	2:00:00	C	6	51	34
325931	2312	8/23/2021 23:34	8/24/2021 3:33	3:58:00	B	5	8985	2256
325944	3612	8/23/2021 23:57	8/24/2021 15:10	15:12:00	C	6	18	12
325999	5001	8/24/2021 4:08	8/24/2021 13:14	9:06:00	C	6	12	8
326103	3512	8/24/2021 10:12	8/24/2021 11:01	0:49:00	C	6	9	6
326136	3121	8/24/2021 11:36	8/24/2021 17:14	5:38:00	C	5	34.5	23
326165	3121	8/24/2021 12:38	8/24/2021 17:14	4:36:00	C	6	144	95
326250	3512	8/25/2021 11:53	8/25/2021 14:13	2:20:00	C	6	165	109
326301	3413	8/25/2021 14:55	8/25/2021 16:46	1:50:00	C	6	169.5	112
326332	3413	8/25/2021 16:00	8/25/2021 16:46	0:45:00	C	6	82.5	54
326349	3125	8/26/2021 20:47	8/26/2021 23:14	2:26:00	C	6	4.5	3
326498	2134	8/28/2021 9:09	8/28/2021 10:53	1:44:00	C	6	93	61
326509	3215	8/28/2021 14:23	8/28/2021 15:17	0:54:00	C	6	27	18
326531	3415	8/29/2021 13:59	8/29/2021 15:00	1:01:00	C	6	15	10
326538	3214	8/30/2021 10:12	8/30/2021 12:15	2:03:00	C	5	7.5	5
326580	3122	8/31/2021 7:22	8/31/2021 8:31	1:09:00	C	6	21	14
326772	4002	8/31/2021 23:55	9/1/2021 2:25	2:30:00	C	6	280	496
326908	5001	9/3/2021 11:05	9/3/2021 12:22	1:17:00	C	2	141	93
326913	3123	9/3/2021 11:15	9/3/2021 12:19	1:03:00	C	6	1.5	1
326916	3415	9/3/2021 11:36	9/3/2021 14:06	2:30:00	C	5	6	4
326963	3611	9/3/2021 12:22	9/3/2021 13:09	0:47:00	C	2	358.5	238
326987	2134	9/3/2021 12:37	9/3/2021 14:19	1:42:00	C	2	93	61
326996	5001	9/3/2021 13:41	9/3/2021 15:00	1:19:00	C	2	105	69
327034	2311	9/3/2021 14:20	9/3/2021 15:08	0:48:00	C	2	153	102
327127	3123	9/4/2021 5:58	9/4/2021 7:31	1:33:00	C	5	1.5	1
327136	3411	9/4/2021 13:08	9/4/2021 14:00	0:51:00	C	5	15	10
327211	3512	9/5/2021 22:32	9/6/2021 0:05	1:33:00	C	5	156	103
327340	3414	9/8/2021 10:25	9/8/2021 11:39	1:14:00	C	5	6	4
327341	3125	9/8/2021 10:39	9/8/2021 13:48	3:08:00	C	5	1.5	1
327584	3122	9/12/2021 6:33	9/12/2021 10:06	3:32:00	C	5	19.5	13
327632	3214	9/12/2021 22:39	9/13/2021 2:18	3:39:00	C	3	15	10
327634	3413	9/13/2021 7:00	9/13/2021 8:02	1:01:00	C	5	1.5	1
327701	2212	9/13/2021 13:51	9/13/2021 14:54	1:02:00	B	5	1030	1200
327732	2312	9/14/2021 10:21	9/14/2021 13:50	3:29:00	C	5	6	4
327748	5002	9/14/2021 14:24	9/15/2021 9:38	19:14:00	C	6	1.5	1
327764	2134	9/14/2021 14:34	9/14/2021 16:48	2:14:00	C	5	95	63
327786	3415	9/14/2021 23:16	9/15/2021 1:23	2:06:00	C	6	48	32
327844	2312	9/15/2021 11:51	9/15/2021 14:23	2:32:00	C	3	75	49
327849	3612	9/15/2021 14:46	9/15/2021 16:18	1:32:00	C	6	18	12
327883	3211	9/15/2021 22:53	9/15/2021 23:53	1:00:00	B	6	760	171
327940	3313	9/16/2021 16:45	9/16/2021 17:38	0:52:00	C	5	51	33

327978	3127	9/17/2021 10:27	9/17/2021 10:40	0:12:00	C	3	34.5	22
328006	2134	9/17/2021 10:28	9/17/2021 11:33	1:05:00	C	6	70.5	46
328029	3415	9/17/2021 11:46	9/17/2021 12:46	1:00:00	C	6	84	56
328034	3127	9/17/2021 17:51	9/17/2021 19:01	1:09:00	C	6	10.5	7
328083	3122	9/18/2021 5:18	9/18/2021 14:56	9:38:00	C	5	1.5	1
328099	3512	9/18/2021 7:28	9/18/2021 8:57	1:29:00	C	5	274.5	182
328109	3125	9/18/2021 9:51	9/18/2021 10:46	0:55:00	C	5	1.5	1
328130	3121	9/19/2021 4:35	9/19/2021 7:19	2:43:00	C	6	7.5	5
328169	4002	9/19/2021 5:47	9/19/2021 7:51	2:04:00	C	6	364.5	242
328210	3512	9/19/2021 8:16	9/19/2021 10:07	1:51:00	C	6	88.5	58
328221	4002	9/19/2021 12:24	9/19/2021 14:30	2:05:00	C	6	57	38
328227	3415	9/19/2021 13:40	9/19/2021 15:00	1:20:00	C	6	18	12
328324	1325	9/20/2021 9:47	9/20/2021 11:36	1:48:00	C	6	163.5	109
328439	5001	9/21/2021 6:38	9/21/2021 11:43	5:04:00	C	6	12	8
328493	1325	9/21/2021 19:36	9/22/2021 16:04	20:28:00	C	6	15	10
328783	3215	9/24/2021 9:24	9/24/2021 9:38	0:14:00	C	3	13.5	8
328801	3611	9/24/2021 16:48	9/24/2021 18:50	2:02:00	C	6	16.5	10
328818	4123	9/26/2021 0:50	9/26/2021 5:57	5:07:00	C	6	6	4
328821	3512	9/26/2021 5:32	9/26/2021 9:00	3:28:00	C	6	1.5	1
328838	4122	9/26/2021 15:43	9/26/2021 18:13	2:29:00	C	5	46.5	31
328850	3415	9/27/2021 2:24	9/27/2021 3:40	1:15:00	C	6	21.5	14
328858	3413	9/27/2021 9:13	9/27/2021 9:49	0:36:00	C	6	37.5	25
328867	3512	9/27/2021 17:21	9/27/2021 18:30	1:09:00	C	6	1.5	1
328887	4122	9/28/2021 9:41	9/28/2021 10:29	0:47:00	C	3	16.5	11
328897	3127	9/28/2021 19:32	9/28/2021 22:33	3:01:00	C	6	1.5	1
328934	4002	9/29/2021 10:09	9/29/2021 11:34	1:25:00	C	6	1.5	1
328957	2134	9/29/2021 10:59	9/29/2021 14:13	3:13:00	C	5	48	31
329001	2312	9/29/2021 11:54	9/29/2021 13:13	1:18:00	C	3	127.5	85
329229	3611	10/2/2021 10:59	10/2/2021 12:58	1:59:00	C	6	48	31
329327	3415	10/4/2021 10:03	10/4/2021 10:55	0:52:00	C	3	21	14
329329	3413	10/4/2021 13:23	10/4/2021 14:25	1:01:00	C	3	25.5	17
329332	1233	10/4/2021 17:14	10/4/2021 19:45	2:31:00	C	5	1.5	1
329377	5001	10/5/2021 8:43	10/5/2021 9:38	0:54:00	B	5	1150	1199
329405	1432	10/5/2021 9:51	10/5/2021 10:45	0:53:00	C	5	112.5	74
329473	4002	10/6/2021 10:48	10/6/2021 13:35	2:47:00	C	6	190.5	127
329792	5001	10/9/2021 9:48	10/9/2021 10:41	0:53:00	C	6	22.5	15
329801	2211	10/9/2021 11:43	10/9/2021 13:27	1:43:00	C	5	15	10
329812	3415	10/9/2021 12:28	10/9/2021 14:02	1:33:00	C	6	25.5	17
329826	1232	10/9/2021 16:49	10/9/2021 18:11	1:22:00	B	6	370	12
329870	2311	10/9/2021 18:07	10/9/2021 19:11	1:03:00	C	5	154.5	102
329892	3415	10/9/2021 18:17	10/9/2021 19:30	1:13:00	C	6	85.5	56
329907	5001	10/9/2021 23:15	10/10/2021 0:50	1:34:00	C	6	22.5	15
329914	5001	10/10/2021 7:52	10/10/2021 9:17	1:25:00	C	3	30	19
329969	3413	10/10/2021 12:01	10/10/2021 13:14	1:12:00	C	6	246	163
329995	2134	10/11/2021 1:05	10/11/2021 4:32	3:26:00	C	6	93	61
330031	3415	10/11/2021 19:28	10/11/2021 21:25	1:57:00	C	5	4.5	3
330041	5002	10/12/2021 6:34	10/12/2021 7:40	1:06:00	C	5	18	11
330042	3413	10/12/2021 7:29	10/12/2021 10:19	2:49:00	C	5	1.5	1
330076	4002	10/12/2021 8:23	10/12/2021 9:51	1:28:00	C	6	363	241
330126	2311	10/13/2021 6:08	10/13/2021 7:51	1:43:00	C	6	154.5	102
330178	1325	10/13/2021 11:38	10/13/2021 15:30	3:51:00	C	6	1.5	1
330301	4002	10/14/2021 14:49	10/14/2021 16:45	1:56:00	C	6	363	241
330391	4122	10/14/2021 22:28	10/14/2021 22:40	0:11:00	B	6	630	525
330503	4002	10/16/2021 10:10	10/16/2021 12:37	2:27:00	C	6	25.5	17
330542	3125	10/17/2021 19:46	10/17/2021 19:57	0:11:00	C	5	45	29
330738	3512	10/20/2021 4:16	10/20/2021 5:36	1:19:00	C	6	45	30
330763	3512	10/20/2021 10:49	10/20/2021 12:01	1:12:00	C	6	51	33
330772	3512	10/20/2021 11:31	10/20/2021 12:17	0:46:00	C	3	27	17
330781	3512	10/20/2021 12:48	10/20/2021 14:05	1:16:00	C	6	52	34
330979	2134	10/22/2021 15:38	10/24/2021 19:15	3:36:00	C	5	4.5	3
331014	2134	10/23/2021 8:09	10/23/2021 8:23	0:14:00	C	5	199.5	132

331025	2134	10/24/2021 0:38	10/24/2021 6:06	5:28:00	C	5	12	8
331233	3415	10/27/2021 0:12	10/27/2021 1:46	1:34:00	C	5	25.5	17
331238	3412	10/27/2021 8:33	10/27/2021 9:46	1:13:00	C	5	1.5	1
331285	1322	10/28/2021 2:29	10/28/2021 4:44	2:14:00	C	5	21	14
331288	3415	10/28/2021 2:40	10/28/2021 8:15	5:35:00	C	5	4.5	3
331301	5001	10/28/2021 10:36	10/28/2021 18:16	7:39:00	C	6	3	2
331316	1232	10/28/2021 10:44	10/28/2021 12:02	1:18:00	B	6	450	12
331404	1322	10/29/2021 16:37	10/29/2021 19:00	2:22:00	C	5	147	97
331432	1322	10/29/2021 18:03	10/29/2021 18:51	0:48:00	C	5	154.5	103
331442	1325	10/30/2021 1:34	10/30/2021 9:40	8:05:00	C	6	1.5	1
331448	2212	10/30/2021 9:34	10/30/2021 11:45	2:10:00	C	5	13.5	8
331466	3411	10/31/2021 5:53	10/31/2021 6:35	0:42:00	C	5	103.5	69
331468	3127	10/31/2021 12:46	10/31/2021 16:56	4:09:00	C	6	1.5	1
331472	3612	10/31/2021 13:09	10/31/2021 16:45	3:35:00	C	6	18	12
331529	3313	11/1/2021 6:37	11/1/2021 8:44	2:06:00	C	5	4.5	3
331608	3413	11/1/2021 22:38	11/1/2021 23:34	0:56:00	C	6	118.5	78
331690	3611	11/2/2021 11:53	11/2/2021 12:51	0:57:00	C	6	48	31
331705	4002	11/2/2021 18:14	11/2/2021 21:25	3:11:00	C	6	27	18
331731	3612	11/3/2021 3:18	11/3/2021 11:39	8:21:00	C	6	3	2
331784	3415	11/3/2021 9:32	11/3/2021 10:06	0:34:00	C	6	393	261
331839	3512	11/4/2021 0:15	11/4/2021 2:00	1:45:00	C	6	6	4
331941	4002	11/4/2021 6:27	11/4/2021 8:09	1:42:00	C	6	360	239
332083	3125	11/6/2021 6:07	11/6/2021 7:23	1:16:00	C	5	39	25
332121	1325	11/7/2021 12:21	11/7/2021 15:50	3:28:00	C	6	163.5	109
332179	3121	11/8/2021 9:08	11/8/2021 10:14	1:05:00	C	5	10.5	7
332378	3314	11/10/2021 16:50	11/10/2021 17:52	1:02:00	C	6	3	2
332491	3127	11/13/2021 13:05	11/13/2021 22:27	9:22:00	C	6	1.5	1
332522	1323	11/14/2021 12:51	11/14/2021 14:53	2:01:00	C	5	18	12
332526	1232	11/14/2021 15:54	11/15/2021 9:55	18:00:00	C	6	1.5	1
332530	4002	11/14/2021 18:51	11/14/2021 21:50	2:58:00	C	6	19.5	13
332648	3415	11/15/2021 16:45	11/15/2021 18:45	1:59:00	C	6	79.5	53
332654	2312	11/15/2021 17:48	11/15/2021 21:37	3:49:00	C	5	15	10
332748	3215	11/17/2021 11:01	11/17/2021 11:31	0:29:00	B	6	770	1948
332765	3611	11/18/2021 9:49	11/18/2021 13:30	3:40:00	C	5	12	8
332791	3125	11/18/2021 17:48	11/19/2021 7:54	14:05:00	C	6	10.5	7
332938	4002	11/20/2021 12:47	11/20/2021 14:07	1:20:00	C	6	361.5	240
332951	3414	11/21/2021 5:31	11/21/2021 5:40	0:09:00	B	1	1220	683
333185	1323	11/22/2021 19:40	11/22/2021 21:17	1:36:00	C	5	562.5	379
333188	1323	11/22/2021 21:17	11/22/2021 22:24	1:07:00	C	5	396	263
333286	3122	11/23/2021 2:00	11/23/2021 2:14	0:14:00	C	3	250.5	166
333334	4121	11/23/2021 22:36	11/24/2021 0:01	1:25:00	C	6	1.5	1
333360	5002	11/24/2021 12:17	11/24/2021 14:11	1:53:00	C	6	37.5	25
333432	3415	11/26/2021 6:03	11/26/2021 13:21	7:17:00	C	5	3	2
333436	4121	11/26/2021 8:36	11/26/2021 13:04	4:28:00	C	6	1.5	1
333628	1232	11/29/2021 13:06	11/29/2021 14:38	1:32:00	C	6	3	2
333737	4121	12/1/2021 3:17	12/1/2021 9:18	6:00:00	C	6	4.5	3
333763	3125	12/1/2021 22:38	12/1/2021 22:58	0:19:00	C	5	13.5	9
333834	1232	12/2/2021 19:34	12/3/2021 11:18	15:43:00	C	6	3	2
333880	4002	12/3/2021 6:31	12/3/2021 8:30	1:58:00	C	2	442.5	294
333895	3413	12/3/2021 6:46	12/3/2021 7:43	0:56:00	C	2	58.5	38
333903	3512	12/3/2021 6:54	12/3/2021 10:59	4:04:00	C	2	31.5	20
333909	3415	12/3/2021 6:54	12/3/2021 7:38	0:43:00	C	2	24	16
333922	4002	12/3/2021 7:22	12/3/2021 8:30	1:07:00	B	2	270	498
333933	3415	12/3/2021 8:12	12/3/2021 9:20	1:07:00	C	2	15	9
333960	3413	12/3/2021 9:56	12/3/2021 10:53	0:56:00	C	2	90	59
333968	1322	12/3/2021 10:40	12/3/2021 17:33	6:52:00	C	2	3	2
333970	4002	12/3/2021 10:54	12/3/2021 11:50	0:56:00	B	2	440	498
333978	3127	12/3/2021 12:24	12/3/2021 14:21	1:57:00	C	2	1.5	1
333980	1232	12/3/2021 12:42	12/3/2021 16:50	4:07:00	C	2	3	2
334019	3413	12/3/2021 13:01	12/3/2021 14:31	1:29:00	C	2	246	163
334027	3512	12/3/2021 13:06	12/3/2021 14:08	1:02:00	C	2	28.5	19

334033	1325	12/3/2021 13:12	12/3/2021 16:24	3:11:00	C	2	13.5	9
334034	4121	12/3/2021 9:35	12/3/2021 16:17	6:42:00	C	2	1.5	1
334041	3413	12/3/2021 14:04	12/3/2021 17:21	3:17:00	C	2	49.5	32
334050	3413	12/3/2021 14:40	12/3/2021 19:15	4:34:00	C	2	10.5	7
334128	3413	12/3/2021 15:56	12/3/2021 16:12	0:15:00	B	6	2010	2861
334131	3413	12/3/2021 16:26	12/3/2021 17:11	0:44:00	B	2	2330	2861
334134	1325	12/3/2021 18:46	12/3/2021 18:58	0:12:00	B	2	252	167
334135	1325	12/3/2021 18:56	12/4/2021 0:05	5:08:00	C	2	172.5	115
334138	4002	12/3/2021 21:55	12/3/2021 23:23	1:28:00	C	2	9	6
334141	1325	12/4/2021 0:08	12/4/2021 15:45	15:36:00	C	6	172.5	115
334185	2134	12/4/2021 3:41	12/4/2021 5:38	1:56:00	C	6	30	20
334194	3512	12/4/2021 5:29	12/4/2021 8:38	3:09:00	C	6	28.5	19
334201	3512	12/4/2021 6:27	12/4/2021 11:17	4:49:00	C	6	6	4
334212	2312	12/4/2021 13:13	12/4/2021 15:35	2:22:00	C	6	3	2
334224	3122	12/4/2021 19:23	12/5/2021 1:08	5:45:00	C	5	7.5	5
334240	1232	12/5/2021 11:13	12/5/2021 11:33	0:20:00	B	6	400	12
334249	3413	12/5/2021 11:44	12/5/2021 12:02	0:18:00	C	5	30	19
334253	1325	12/5/2021 12:34	12/5/2021 16:17	3:43:00	C	6	15	10
334296	3122	12/5/2021 23:43	12/6/2021 0:41	0:58:00	C	5	285	189
334345	2134	12/6/2021 16:18	12/6/2021 18:41	2:23:00	C	6	93	61
334352	1325	12/6/2021 17:14	12/6/2021 20:02	2:47:00	C	6	19.5	13
334422	3611	12/6/2021 18:19	12/6/2021 19:30	1:11:00	C	6	358.5	238
334424	1325	12/6/2021 18:47	12/7/2021 10:38	15:51:00	C	6	1.5	1
334496	3215	12/7/2021 5:40	12/7/2021 11:06	5:26:00	C	2	36	24
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334623	1325	12/7/2021 12:25	12/7/2021 14:38	2:12:00	C	2	162	108
334627	4121	12/7/2021 12:45	12/7/2021 14:29	1:43:00	C	2	1.5	1
334631	4123	12/7/2021 12:52	12/7/2021 17:32	4:40:00	C	2	6	4
334637	1232	12/7/2021 14:45	12/7/2021 17:42	2:57:00	C	2	3	2
334852	4199	12/7/2021 14:49	12/7/2021 15:28	0:38:00	A	4	3720	3259
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334892	4002	12/7/2021 14:49	12/7/2021 17:17	2:28:00	B	2	390	498
335010	3415	12/8/2021 16:10	12/8/2021 17:10	0:59:00	C	6	393	261
335017	3415	12/8/2021 18:39	12/8/2021 19:51	1:11:00	C	5	3	2
335023	4002	12/8/2021 18:57	12/8/2021 21:55	2:58:00	C	6	27	18
335088	1322	12/9/2021 12:56	12/9/2021 14:36	1:39:00	C	6	6	4
335097	4121	12/9/2021 15:02	12/9/2021 16:27	1:25:00	C	6	1.5	1
335112	5001	12/9/2021 17:09	12/9/2021 18:46	1:37:00	C	6	123	81
335151	2314	12/10/2021 9:21	12/10/2021 11:00	1:39:00	C	5	12	8
335269	4002	12/12/2021 1:50	12/12/2021 4:15	2:24:00	B	6	260	498
335396	2134	12/12/2021 17:30	12/12/2021 18:40	1:10:00	C	6	70.5	46
335438	1322	12/13/2021 21:02	12/14/2021 8:41	11:38:00	C	6	1.5	1
335461	2134	12/14/2021 1:26	12/14/2021 15:09	13:43:00	C	6	30	20
335493	2134	12/14/2021 9:45	12/14/2021 11:54	2:08:00	C	6	61.5	41
335551	3415	12/14/2021 17:44	12/14/2021 18:45	1:00:00	C	6	85.5	56
335784	3512	12/17/2021 6:32	12/17/2021 8:04	1:32:00	C	5	13.5	9
335853	5002	12/18/2021 15:13	12/18/2021 17:45	2:31:00	C	6	1.5	1
335872	4002	12/18/2021 21:34	12/19/2021 0:10	2:36:00	C	6	6	4
335906	3611	12/19/2021 12:46	12/19/2021 12:52	0:06:00	B	6	270	687
335953	1325	12/19/2021 15:23	12/19/2021 16:39	1:16:00	C	6	162	108
335994	2311	12/19/2021 17:45	12/19/2021 19:27	1:42:00	C	6	156	103
336040	5001	12/20/2021 4:01	12/20/2021 6:04	2:02:00	C	6	118.5	79
336067	3415	12/20/2021 16:07	12/20/2021 16:48	0:41:00	C	6	52.5	34
336091	3123	12/20/2021 23:41	12/21/2021 2:42	3:01:00	C	5	67.5	44
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336129	4121	12/21/2021 0:21	12/21/2021 2:20	1:58:00	C	6	4.5	3
336135	5001	12/21/2021 3:57	12/21/2021 6:50	2:53:00	C	6	7.5	5
336156	4122	12/21/2021 4:05	12/21/2021 7:13	3:07:00	C	6	105	70
336186	3411	12/21/2021 18:54	12/21/2021 20:35	1:41:00	C	5	18	12
336331	2134	12/22/2021 14:01	12/22/2021 15:46	1:44:00	C	5	3	2

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336400	5001	12/23/2021 21:58	12/23/2021 23:12	1:13:00	C	6	184.5	122
336405	3127	12/24/2021 8:53	12/24/2021 10:33	1:40:00	C	6	1.5	1
336431	1325	12/25/2021 17:12	12/25/2021 19:41	2:29:00	C	5	19.5	13
336498	3215	12/26/2021 20:01	12/26/2021 21:39	1:37:00	C	5	19.5	13
336533	2311	12/27/2021 9:48	12/27/2021 12:47	2:58:00	C	6	16.5	11
336705	3611	12/30/2021 9:21	12/30/2021 10:45	1:23:00	C	6	1.5	1
336746	3413	12/30/2021 10:46	12/30/2021 11:36	0:49:00	C	6	166.5	110
336755	5001	12/30/2021 11:37	12/30/2021 12:42	1:04:00	C	6	18	12
336784	4002	12/31/2021 4:01	12/31/2021 10:35	6:33:00	C	5	6	4
336792	4002	12/31/2021 4:31	12/31/2021 7:22	2:51:00	C	6	27	18
336798	4002	12/31/2021 5:01	12/31/2021 10:07	5:06:00	C	6	16.5	11
336809	1322	12/31/2021 9:33	12/31/2021 11:05	1:32:00	C	5	30	20
336812	3612	12/31/2021 10:22	12/31/2021 11:04	0:42:00	C	6	18	12
336820	5001	12/31/2021 11:21	12/31/2021 14:04	2:43:00	C	6	13.5	8

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