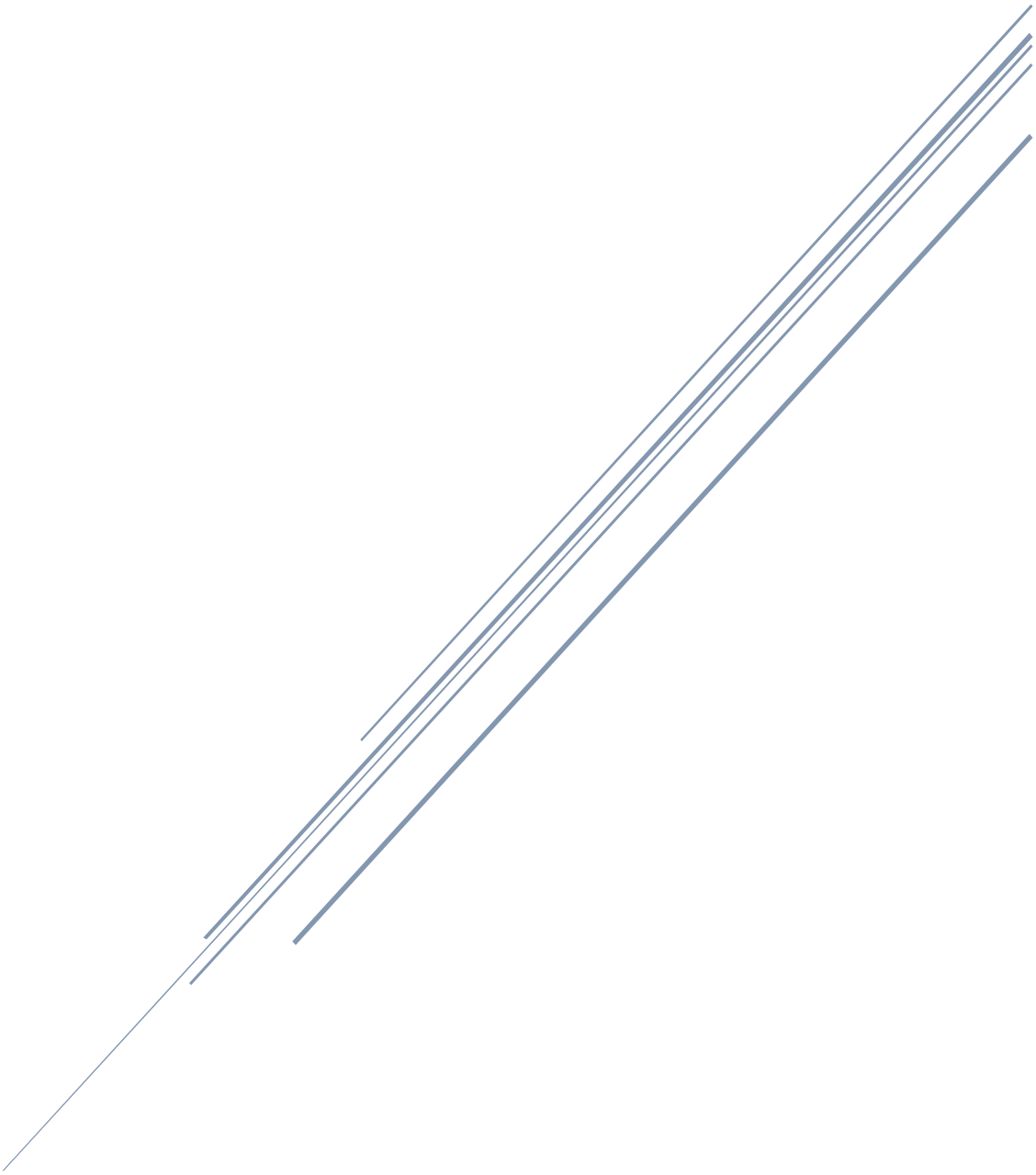
MATHEMATICS EXPLORATION

Determining the optimal timing for insulin injection to minimize glucose level variability after a meal in ideal conditions



Analysis and Approaches SL
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Introduction

Type 1 diabetes is a relatively common genetic disease affecting millions of people around the world, including me. It results in a malfunction of the pancreas and so the shutting down of insulin production which leads to higher glucose concentrations in the blood that are associated with severe long-term damage to many tissues if left untreated. Modern treatment has, however, tamed it into more of an inconvenience rather than a death sentence, which allows me to live essentially normal life. However, it is still not without inconveniences. One such thing I, and many other diabetics I have spoken with, have continuously struggled with is how to best time the injection of insulin with respect to a meal to minimize glucose variability, i.e., to keep its concentration in the ideal range, at all times as close as possible to that measured prior to eating.

This is something that has bothered me for almost the entire decade that I have soon lived with the condition as the behavior of glucose levels in response to eating, even if carbohydrates are accurately known, often seems rather unpredictable. Sometimes they rise way more than expected and other times they barely change, or just drop. Changes in everyday treatment are therefore primarily made with the method of trial and error, which is highly unsatisfactory for an engineering-oriented person like me. That is why I want to approach this problem much more systematically and come up with a method to mathematically determine the optimal timing using the wide range of mathematics we have learned on the IB to finally get some clarity on the issue and so potentially further improve the control of the disease for myself and possibly others as well. With further development it could be used by the very active diabetes open-source community to, for example, build an algorithm that automatically calculates the optimal injection times based on an individual's historical data, provided that it is sufficient. What I also like about the topic is that it is a concrete and useful real-world application of mathematics that inherently combines many of the most interesting branches of mathematics to me, such as statistics, modeling and calculus.

Aim and approach

My aim is to determine the optimal timing for insulin injection to minimize glucose level variability after a meal in ideal conditions. Implicitly, although beyond the scope of this exploration, a secondary aim of mine is also to develop a robust method for its determination in the hopes of providing a basis for such a feature in diabetes-related software. I will use my own data, since its collection requires certain exactitude and health data is generally considered very sensitive.

My initial idea was to try to get my glucose levels stable within an ideal range and deliberately manipulate them by certain dosages, while altering my routine to control other variables. However, I chose not to pursue this deliberate self-experimentation as it would have been on the gray area of the IB guidelines, and I wanted the method to work with noisier, more realistic data as well.

Instead, for the purposes of data collection I decided to just start writing down the amounts of both insulin and carbohydrates and their exact timings for over a month. From these I could then isolate the naturally occurring instances with the most stable ends, in which I had corrected the levels by 1 unit (0.01ml) of Fiasp insulin or 10.5 grams of carbohydrates from 5 “Siripiri” glucose tablets, which I used exclusively for all moderate corrections during the data collection period in order to carefully control both the amount and composition of the carbohydrates. The amounts were chosen based on my insulin to carbohydrates dosage ratio of 1 to 10, meaning that they should produce similar magnitudes of change, only in opposite directions. As the initial concentration of glucose has an effect on the extent of the effect of either carbohydrates or insulin, this will introduce more error and uncertainty but averaging multiple observations should give at least somewhat directive values.

I will then average this data on the magnitude and duration of the glucose level changes and model their behaviors after consumption of 10.5g carbohydrates and 1 unit of insulin (0.01ml) to get approximate curves and functions for both. They can then be combined into a single function, the

total area under which can be used as a proxy for glucose variability, in this case defined as any change in concentration, as it is a measure of absolute divergence from zero over time, giving a single, easily comparable number involving both the magnitude and time of glucose concentration change. I can then transform the insulin curve in the horizontal dimension to change its timing with respect to carbohydrate consumption. The optimal timing can be found as that transformation of the insulin curve, which produces the smallest area, the definite integral, under the combined curve.

Due to time constraints and the massive amounts of data processing necessary, I concluded that I had to program everything. However, my enthusiasm greatly outweighed my expertise. I had searched this excuse for long due to my fascination with computer science and software and now that the opportunity to learn it in a meaningful context finally presented itself, I was very excited to throw myself into it. I decided to learn Python, which is a relatively easy-to-learn but extremely powerful programming language that enabled me to develop and test the method simultaneously to collecting the data, which was a long and unpredictable process as I could not do it systematically, but only hope to collect good data while living normally. Continuously calculating all values of the dataset when it was still growing allowed me to take advantage of the law of large numbers without having to wait for the final results. Additionally, any errors I made could be corrected easily and I could continue to use and develop the algorithm even after finishing the project.

Data collection and results

Collecting the data was very easy as the only thing I had to change in my daily routine was just to remember to write down the amounts of insulin and carbohydrates I normally injected and consumed. I regularly wear a Dexcom G6 continuous glucose monitoring (CGM) sensor, held in place by an adhesive patch in my arm, attached to which is a transmitter that reads and transmits the glucose concentration values measured from my interstitial fluid to my cellphone in real time at 5-

minute intervals, which then produces a continuous curve, the values of which I could download as a CSV-file from the Dexcom Clarity website. This corresponds to systematic sampling, which is the only method available for any real-time glucose monitoring. A limitation of this is the rather long time between datapoints obtained with current technology, that only allows us to look at the very general trends, but on the upside, it makes data processing much easier and faster while filtering out noise. There is uncertainty in the sensor measurements, but this may be neglected as it is relatively small (Dexcom, Inc., 2021; Danne, 2017) and most likely systematic which should thus not have any effect on the results as only the general trends, rather than the values themselves, are of key interest. Below is a sample of the formatted CGM data used in the exploration, showing some glucose values and all event types of interest from the data collection interval between 27.10.2021 and 1.12.2021.

Index	Timestamp (YYYY-MM-DDThh:mm:ss)	Event Type	Event Subtype	Glucose Value (mmol/L)	Insulin Value (u)	Carb Value (grams)	Duration (hh:mm:ss)	Glucose Rate of Change (mmol/L/min)	Transmitter Time (Long Integer)	Transmitter ID
206	2021-10-27T17:05:31	EGV	NaN	6.2	NaN	NaN	NaN	NaN	8832673.0	8PBGYQ
207	2021-10-27T17:06:00	Carbs	NaN	NaN	NaN	10.0	NaN	NaN	NaN	NaN
208	2021-10-27T17:10:30	EGV	NaN	6.4	NaN	NaN	NaN	NaN	8832973.0	8PBGYQ
209	2021-10-27T17:15:30	EGV	NaN	6.9	NaN	NaN	NaN	NaN	8833273.0	8PBGYQ
210	2021-10-27T17:20:30	EGV	NaN	7.4	NaN	NaN	NaN	NaN	8833573.0	8PBGYQ
...	...	...	...	...	...	...	...	...	...	...
10171	2021-11-30T08:52:55	EGV	NaN	10.8	NaN	NaN	NaN	NaN	2362573.0	8J44L8
10172	2021-11-30T08:57:55	EGV	NaN	10.6	NaN	NaN	NaN	NaN	2362873.0	8J44L8
10173	2021-11-30T08:59:00	Insulin	Fast-Acting	NaN	1.0	NaN	NaN	NaN	NaN	NaN
10174	2021-11-30T08:59:00	Insulin	Long-Acting	NaN	20.0	NaN	NaN	NaN	NaN	NaN
10175	2021-11-30T09:02:56	EGV	NaN	10.0	NaN	NaN	NaN	NaN	2363173.0	8J44L8

Table 1 – A sample of formatted CGM data from the interval 27.10.2021 - 1.12.2021, showing glucose values, carbohydrate consumption and insulin injections

Table 1 shows glucose concentrations with 5-minute intervals as well as the manually entered events affecting it and their details. During data collection, I used two different transmitters and at least three different sensors and various ampoules of insulin injected manually with a NovoPen Echo, all with (not-too-noticeably) varying levels of efficacy and error, that might or might not add up to a greater overall error.

The total number of data points accumulated during the data collection period was 10 440, which would make for a rather long table. Therefore, they are better presented in a graph such as figure 1 below, which shows a continuous, interpolated trendline for glucose concentration (in blue) as well as each instance where 10.5 carbohydrates were consumed in the form of 5 “Siripiri” glucose tablets (in green) or 1 unit (0.01ml) of Fiasp (fast-acting) insulin was injected (in red).

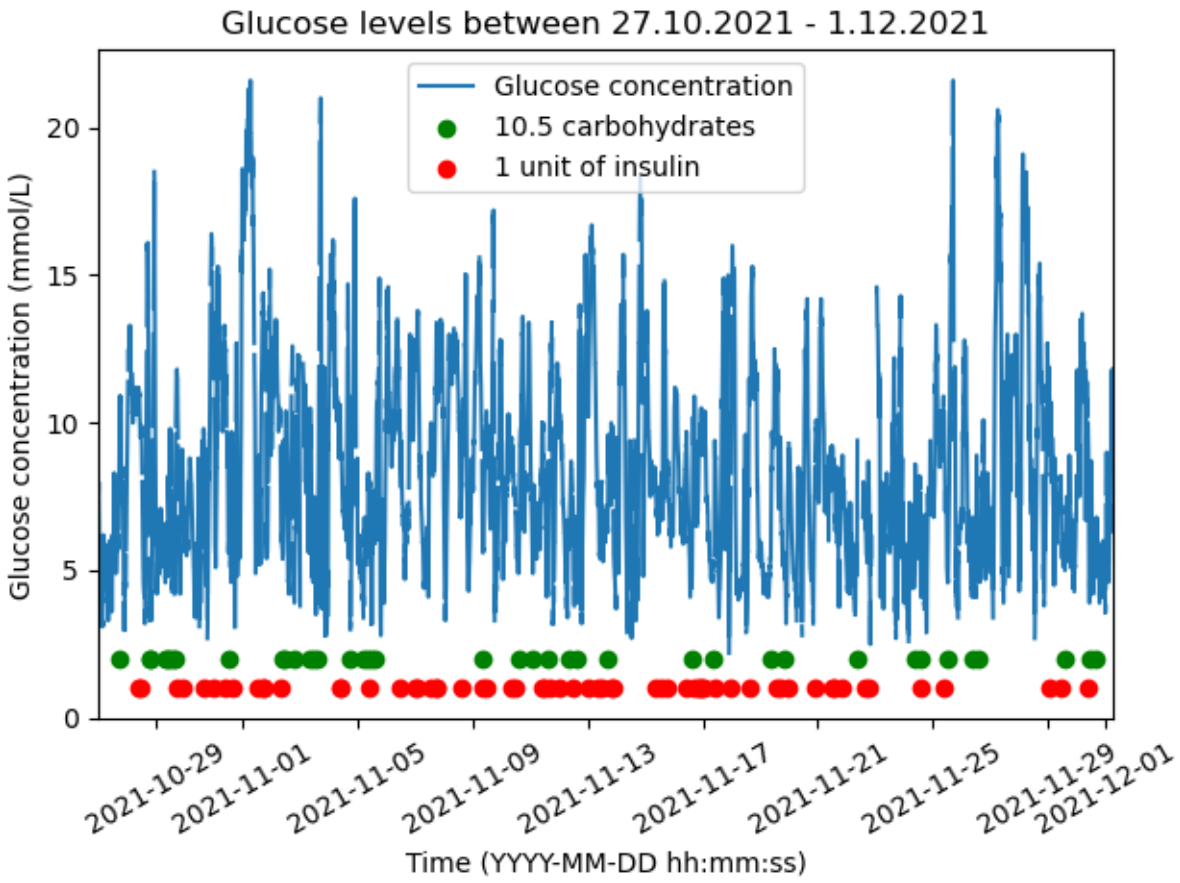
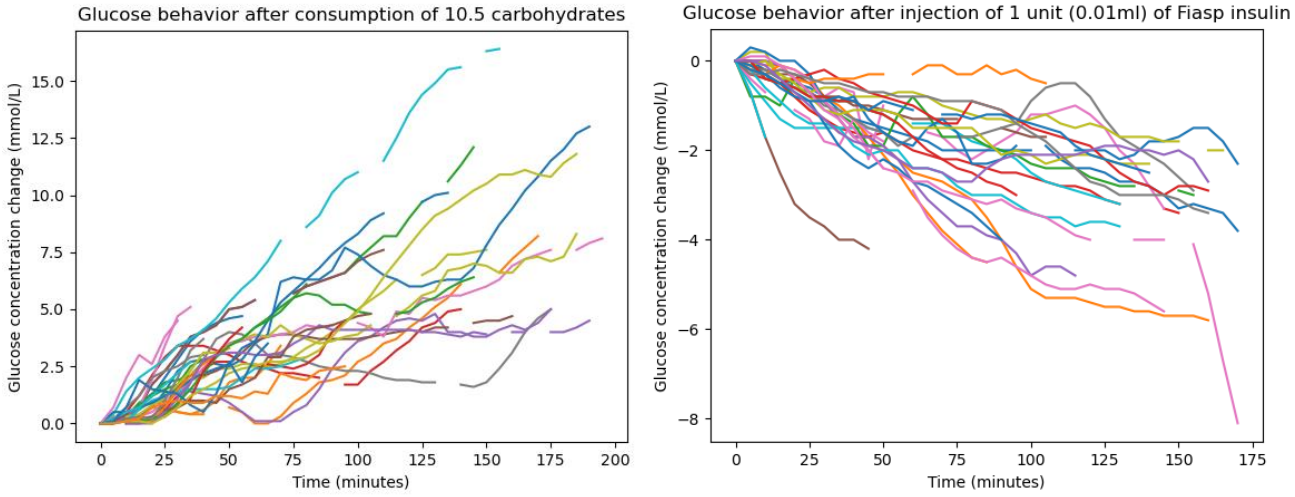


Figure 1 – Graph of glucose concentration against time on the interval 27.10.2021 – 1.12.2021 with consumption of 10.5 carbohydrates and injection of one unit of insulin highlighted in green and red respectively

The variables affecting the behavior of glucose levels are numerous: carbohydrate content and their form (sugars, starches, fiber) in the food, the amount and quality of fats and other nutrients in the food, amount, effectiveness and qualities (such as duration of action) of insulin used, amount of long-acting insulin (in this case 16 to 20 units of Levemir twice a day) in the body, the extent of functionality of the pancreas, insulin resistance and metabolism of the body, the behavior of the liver and other biological processes, time between meals and injections, duration of meals, time of day (phase of circadian clock), overlapping insulin, injection site, the initial glucose level, its direction and rate of change, amount of sleep, exercise, stress and the physical environment and uncertainty and error in the measuring devices as well as the mechanical nature and errors of the injector or its needles. As there is no way to control all these variables, the investigation must be limited to a very approximate, ideal case, the exploration of which, however, may reveal a hint of a universal method which may eventually allow taking these additional factors into account.

To keep as many of these variables as constant as possible, I only considered the instances of consumption of 10.5 carbohydrates and 1 unit of insulin from the moment of logging to three hours forward. This three-hour interval is chosen based on both personal experience and official time of action data from the manufacturer Novo Nordisk (2019), which states that the insulin dosage can be taken anywhere from the start of the meal to 20 minutes after beginning the meal. Within this 3-hour interval, the peak effect is reached with all dosages and the insulin concentration has had time to significantly decrease according to the data, while the probability of other events falling onto the inspected interval is reduced. The same interval is used for both for realistic comparison. Below are graphs of the min-max and max-min behaviors of the glucose levels after carbohydrate consumption (Fig. 2, green in Fig. 1) and insulin injection (Fig. 3, red in Fig. 1) in the three-hour interval,

transformed to start from the origin by plotting them on the same domain starting from zero and by transforming them by $f(x) - f(0)$ to visually compare their relative behaviors:



Figures 2 & 3 – Graphs of interpolated glucose behavior after carbohydrate consumption (left) and insulin injection (right)

From this three-hour interval I programmed the algorithm to choose the data points from the first minimum to the first maximum in the case of carbohydrate consumption and first maximum to first minimum in the case of insulin injection. This approach may be a key weakness, but one made to offset the effect of other variables such as prior "momentum" of the glucose levels and later correction events. It also makes the data much easier and cleaner to process, compare and model.

One final key assumption made for ease of modeling is that of stable ends. It is assumed that the change in glucose levels after an event is distinct and permanent. The ideal case is thus the absence of any variables, which should result in the glucose concentration staying constant on a certain level, which in this case is zero for the purpose of modeling change, and only be affected by the selected event increasing or decreasing it. After the effect has been manifested, i.e., the first maximum or minimum has been reached, it is again free from influences and should thus stay constant on the level it rose or dropped to. This is obviously never the case in real life, even under laboratory conditions due to bodily functions alone but is something that significantly eases the modeling process by allowing the averaging of values of curves of different lengths.

Statistical processing of data

As I wanted to make the algorithm entirely automatic, data selection, processing and filtering had to be based on simple statistical procedures rather than hand-picking. Therefore, the data was filtered in terms of both the duration of the change in glucose concentration as well as its end magnitude by finding and discarding outliers, defined as all values $1.5 \cdot IQR$ greater or smaller than Q_3 or Q_1 respectively, where IQR is the interquartile range and Q_3 and Q_1 are the upper and lower quartiles, enclosing the IQR, which holds 50% of the data within it. Due to the attempt to keep it simple, understandable and concise, this is most likely where the majority of the potential improvements to the algorithm lie as, for example, outliers could be defined differently and the data selected does not currently account for many of the variables mentioned in the data collection and results section such as initial magnitudes, rates of change and proximity of other events.

Below is a table of the data in ascending order, resulting from filtering to the first extreme, used to calculate the quartiles for both duration and end magnitude for both carbohydrate consumption and insulin injection with resulting outliers highlighted in red.

Durations to reach first maximum for carbohydrates consumed (minutes)	15, 20, 20, 20, 20, 25, 25, 35, 40, 40, 40, 45, 45, 45, 45, 45, 55, 55, 60, 60, 60, 65, 65, 80, 85, 85, 85, 100, 115, 140, 150, **160**
End magnitudes for carbohydrates consumed (mmol/L)	0.1, 0.1, 0.3, 0.7, 1.0, 1.0, 1.0, 1.4, 1.9, 2.6, 2.7, 2.7, 2.8, 2.8, 2.9, 3.0, 3.0, 3.1, 3.4, 3.9, 3.9, 4.0, 4.2, 4.3, 4.7, 5.1, 5.7, 6.6, 7.6, **10.1**, **12.1**, **16.4**
Durations to reach first minimum for insulin injected (minutes)	10, 10, 15, 15, 15, 15, 15, 15, 20, 20, 20, 20, 20, 20, 25, 30, 30, 35, 35, 40, 50, 50, 50, 50, 50, 55, 55, 60, 60, 75, 80, 85, 90, 90, 90, 90, 90, 100, 105, 110, 110, 135, 170
End magnitudes for insulin injected (mmol/L)	-7.6, -6.0, -5.7, -4.9, -4.8, -4.5, -4.5, -4.4, -4.2, -4.2, -3.5, -3.2, -3.0, -2.7, -2.4, -2.2, -2.1, -1.9, -1.9, -1.8, -1.7, -1.7, -1.7, -1.7, -1.7, -1.6, -1.4, -1.4, -1.0, -0.9, -0.8, -0.7, -0.5, -0.4, -0.3, -0.3, -0.3, -0.1, -0.1, -0.1, -0.1, 0.0, 0.0

Table 2 – Durations and end magnitudes for carbohydrates consumed and insulin injected in ascending order for calculating quartiles (Bolded red values signify **to-be outliers** after processing)

These data can be summarized as follows:

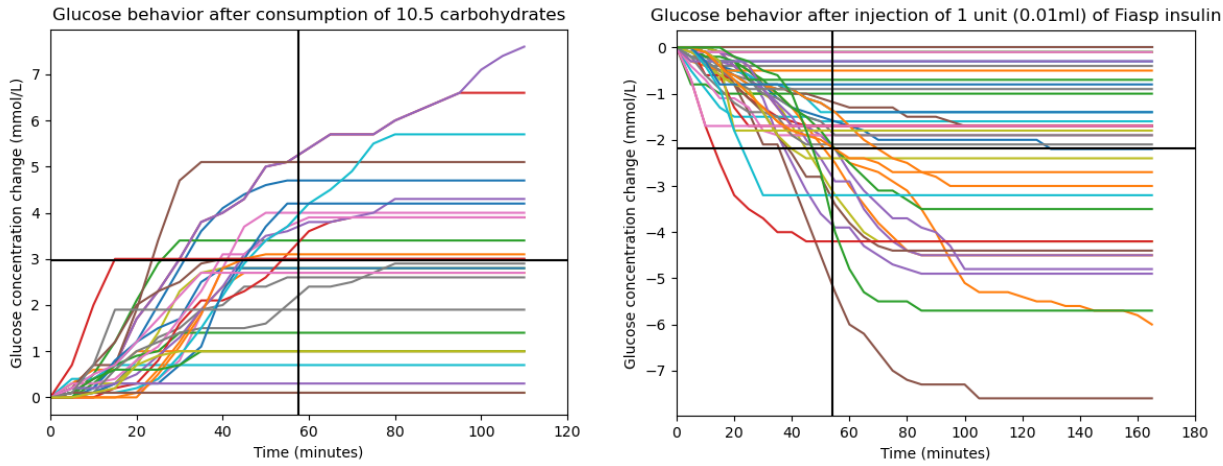
	Consumption of 10.5 carbohydrates		Injection of 1 unit of insulin	
	Duration (minutes)	**End magnitude (mmol/L)**	**Duration (minutes)**	**End magnitude (mmol/L)**
Lower fence ($Q_1 - 1.5 \cdot IQR$)	-35.00	-3.088	-85.00	-8.000
Minimum value	15.00	0.100	10.00	-7.600
Lower quartile $Q_1 = \frac{n+1}{4}^{\text{th}}$ value	36.25	1.525	20.00	-3.500
Median $Q_2 = \frac{n+1}{2}^{\text{th}}$ value	50.00	3.000	50.00	-1.700
Upper quartile $Q_3 = \frac{3(n+1)}{4}^{\text{th}}$ value	83.75	4.600	90.00	-0.500
Maximum value	160.00	16.400	170.00	0.000
Upper fence ($Q_3 + 1.5 \cdot IQR$)	155.00	9.213	195.00	4.000
$IQR = Q_3 - Q_1$	47.50	3.075	70.00	3.000
Mean $\overline{x} = \frac{\sum x}{n}$	57.58	2.983	54.07	-2.186

Table 3 – Statistical summary of the data where Q_1 is the lower quartile, Q_2 is the median, Q_3 is the upper quartile, IQR is the interquartile range, $\bar{x}$ is the mean of observations and n is the number of data points considered

Table 3 shows some of the key characteristics of carbohydrate consumption and insulin injection data, them being mainly its central tendencies, the medians and means, as well as measures of dispersion such as the interquartile range. It also defines the lower and upper fences, values under and over which are considered outliers. For this exploration, they are considered satisfactory as they remove the most extreme outliers. However, as is apparent from, for example, the lower fences for duration being negative minutes, they are not quite realistic and tight enough as I would already consider too little or too quick a change an outlier whereas the algorithm passes them as valid values. Therefore, a further improvement would be to either gather a lot more data and hope for the interquartile ranges to automatically tighten or filter the data with more specific conditions.

Decimal quartiles were handled according to the method detailed on the Brilliant wiki according to which the integer and fractional parts are separated and “the positive difference of the integer observation and its next observation multiplied by the fractional value” is added to the integer number observation. (Brilliant Worldwide, Inc., 2021) The graphs below show the filtered values with

their ends extended from the maximum or minimum point reached up to the length of the instance with the longest duration:



Figures 4 & 5 – Extended graphs of filtered data for carbohydrate consumption (left) and insulin injection (right)

The straight black lines in figures 4 and 5 denote the means on each axis; the vertical one being the mean of duration and the horizontal being the mean of glucose concentration after the change. At their intersections, they divide the graphs into four rectangles of which the one enclosed by the mean lines and the axes will be the section modeled for each.

To construct the average curve filling up the rectangle, I rounded up the duration means up to 60 and 55 to still include the data point right after the duration mean and then used those as the limits of the model as the aim is to find the optimal timing. The curves shorter than it were extended with the final value in accordance with the assumption of stable ends so that each point's magnitude could be averaged across all curves. Averaging the magnitudes of glucose concentration changes to an accuracy of three decimals (to retain enough relevant information for the shape of the curve) at each point on the time interval from zero up to the duration mean gives the following values:

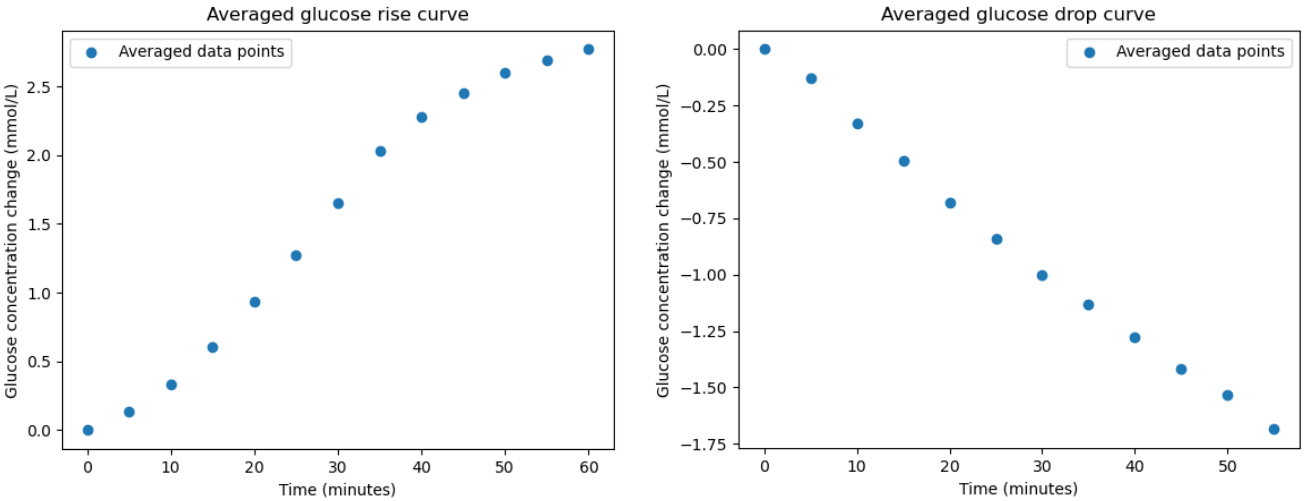
Glucose concentration change (mmol/L)	0.000, 0.138, 0.334, 0.603, 0.934, 1.272, 1.655, 2.028, 2.276, 2.448, 2.597, 2.686, 2.769
Time (minutes)	0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60

Table 4 – Average glucose concentrations against time as a result of consumption of 10.5 carbohydrates

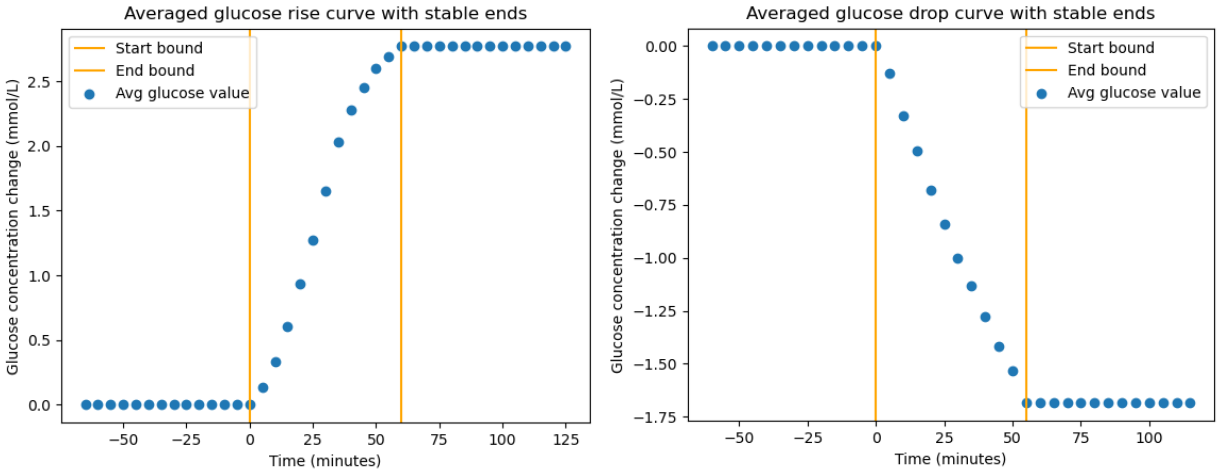
Glucose concentration change (mmol/L)	0.000, -0.128, -0.328, -0.493, -0.679, -0.842, -1.000, -1.130, -1.279, -1.419, -1.535, -1.686
Time (minutes)	0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55

Table 5 – Average glucose concentrations against time as a result of injection of 1 unit of insulin

Producing the scatter plots below:



Figures 6 & 7 – Averaged glucose concentration curves for carbohydrate consumption (left) and insulin injection (right)



Figures 8 & 9 – Averaged glucose concentration curves for carbohydrate consumption (left) and insulin injection (right) with extended, stable ends

Figures 8 and 9 show data sets extended from both ends with the same number of data points as their length, to incorporate the assumption of stable ends, setting the context of the change and so making their interpretation and modeling easier.

Modeling glucose concentration changes after consumption of 10.5 carbohydrates

Looking at figures 6 and 8, some general requirements for an appropriate model can be inferred. From figure 6 it can be seen that this function must have an initially gradually increasing slope that reaches its maximum at around the middle point and then gradually decreases to a constant value,

creating a loose S-shape. Figure 8 shows the requirement of two distinct horizontal asymptotes that confine the change and make it permanent when free of other influences.

The generalized logistic function

$$F(t) = A + \frac{K - A}{(C + Qe^{-B(t-M)})^{\frac{1}{v}}}$$

where F in this case refers to the glucose concentration as a function of time (the independent variable, t) that starts from A, the left (in this case lower) asymptote, rising to K (or $A + \frac{K-A}{C^{\frac{1}{v}}}$ if $C \neq 1$), the right (in this case upper) asymptote at growth rate B, while $v > 0$ affects near which asymptote the maximum growth occurs, Q is related to the value of $F(0)$, C typically takes a value of 1 and M is the t value of the sigmoid's midpoint, is a sigmoid function that fulfills both the requirements of stable ends (horizontal asymptotes) and the gradually changing rate of change that is at its peak around midway through the transition, closely resembling the S-shape of the data. Also known as the Richard's curve, it was originally developed for growth modeling as an extension of the simpler logistic function (Wikipedia contributors, 2021), which makes it very fitting for modeling glucose concentration changes. A logistic function gives a great fit as well, but the generalized version offers the most flexibility for curve fitting due to its larger number of parameters, providing more flexible curves, which is better in the context of the algorithm as the symmetry forced by a logistic function may be subject to change with additional data and overfitting is not really an issue as the datapoints are already averaged and follow a distinct shape. Hence, as long as the function produced is integrable, the more parameters, the closer the smooth fit, the better.

The fitting itself was done with SciPy's curve fit function (The SciPy community, 2021) utilizing the Levenberg-Marquardt algorithm (The SciPy community, 2021; Wikipedia contributors, 2021), which is an iterative procedure to minimize the sum of squares of residuals, the in-sample prediction errors:

$$S = \sum_{i=1}^{m} r_i^2$$

where S is the sum of squares of the residuals, m is the number of datapoints, r_i is the ith residual given by $r_i = y_i - f(x_i, \beta)$ where y_i is the actual y value and $f(x_i, \beta)$ is the y value predicted by the model curve that takes the arguments of x_i, the independent variable and β, the model curve's parameters, and i is the iteration number up to m. The minimum value of S occurs where the gradient, its derivative with respect to β, is zero. Rather simplistically expressed; the parameters, β are then refined iteratively according to the Levenberg-Marquardt algorithm to find this minimum, based on initial guesses for the parameters, necessary to reduce the unknowns to just the independent variable, that must already be somewhat close to the final solution. In other words, the curve fit function only adjusted, sharpened so to say, the parameters already guessed by me. The initial guesses for the parameters were as follows:

$\boldsymbol{A = 0}$ was already set by me, since there is no change in glucose concentration at $t = 0$.

$\boldsymbol{K \approx 2.769}$ as this is the average magnitude of the glucose concentrations at $t = 60$.

$\boldsymbol{Q = C = v = 1}$ as this is the case of the logistic function, which appeared to be a close enough approximation and was much easier to evaluate by hand.

$\boldsymbol{M = 30}$ as this is the t value of the sigmoid's midpoint.

$\boldsymbol{B \approx 0.0992}$ as this was visually the closest to the steepness of the scatter plot in figure 6 acquired from calculations involving the real averaged data points. Using all the values for the variables defined above and substituting the point (10, 0.334) into the generalized logistic function gave:

$$F(10) = 0.334 = 0 + \frac{2.769 - 0}{(1 + 1e^{-B(10-30)})^{\frac{1}{1}}}$$

which is equivalent to the logistic function $f(x) = \frac{L}{(1+e^{-k(x-x_0)})}$ where L is the curve's maximum value, k is the logistic growth rate or steepness of the curve and x_0 is the x value of the sigmoid's midpoint. Solving this gave:

$$0.334 = \frac{2.769}{(1 + e^{-B(10-30)})} = \frac{2.769}{(1 + e^{20B})}$$

$$(1 + e^{20B}) = \frac{2.769}{0.334}$$

$$e^{20B} = \frac{2.769}{0.334} - 1 \approx 7.290$$

$$\ln 7.290 = 20B$$

$$B = \frac{\ln 7.290}{20} \approx 0.0992$$

Calling the curve fit function with these rough estimates gives:

$\boldsymbol{A = -0.008139493980971038}$	$\boldsymbol{B = 0.10056191535315151}$
$\boldsymbol{K = 2.794321220615598}$	$\boldsymbol{M = 25.39343305999737}$
$\boldsymbol{C = 1.002164676526231}$	$\boldsymbol{v = 0.5723571840990965}$
$\boldsymbol{Q = 0.5229628037686772}$	

Table 6 – Curve fit parameters based on the Levenberg-Marquardt algorithm

Which then produces the following curve:

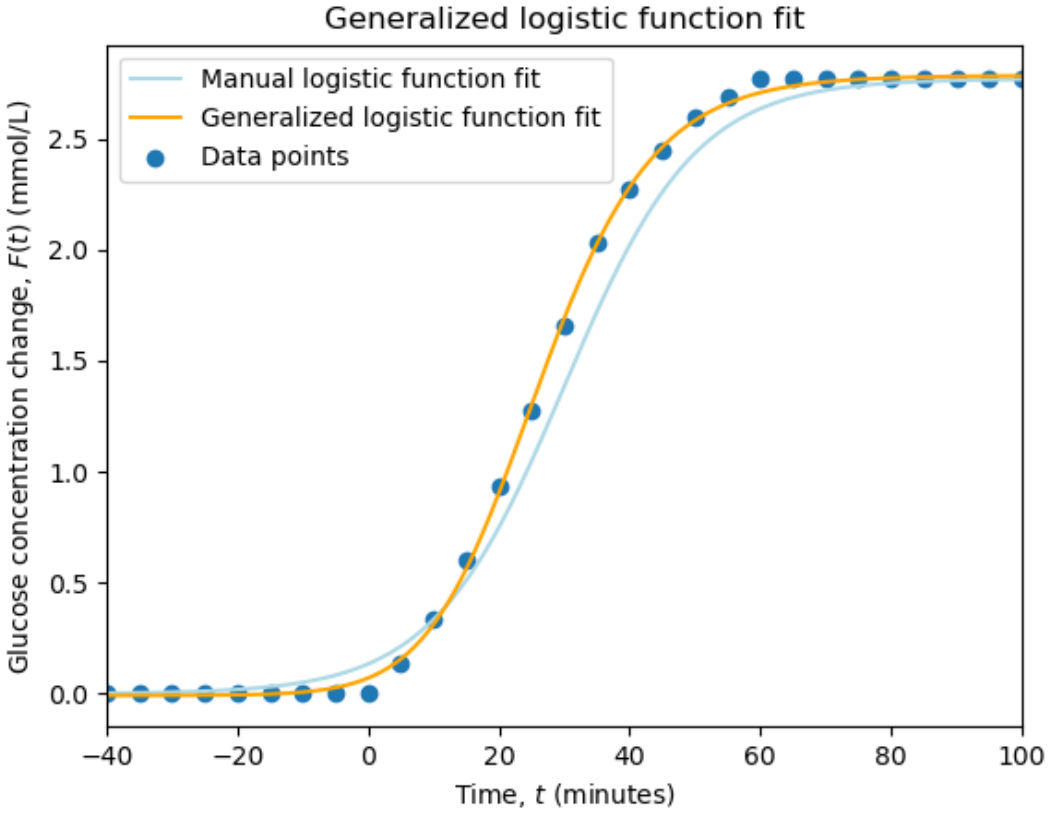


Figure 10 – Generalized logistic function fit with parameters based on the Levenberg-Marquardt algorithm (orange) with logistic function guess values as reference (light blue)

No elaborate testing is necessary as the purpose of the fit function (orange) was to follow the already averaged points as closely as possible, which it quite unmistakably does, as demonstrated in figure 10. The guess values (producing the function in light blue) were not too far off either but clearly skewed the curve slightly to the right. The additional parameters coupled with close guesses allowed the algorithm to make simultaneous adjustments and thus perform an extremely close fit for the function $F(t)$ with values approximated to three decimal places (for clarity):

$$F(t) = -0.008 + \frac{2.794 - (-0.008)}{(1.002 + 0.523e^{-0.101(t-25.393)})^{\frac{1}{0.572}}}$$

Modeling glucose concentration changes after injection of 1 unit of insulin

Figure 7 displays much more linear characteristics than figure 6 albeit with arguably a negligibly subtle kink in the middle. Due to the assumption of stable ends as demonstrated in figure 9, however, a simple linear function would not suffice as it would be continuous and thus never settle onto a certain level. Therefore, a piecewise linear function, which is essentially a collection of sub-functions only defined for certain domain intervals, is required to include the stable ends:

$$G(t) = \begin{cases} a(t + t_{tr}) + b & t < t_0 \\ c(t + t_{tr}) + d & t_0 \leq t \leq t_1 \\ e(t + t_{tr}) + h & t > t_1 \end{cases}$$

where G refers to the glucose concentration as a function of time, t_0 and t_1 are the breakpoints confining the sub-functions to the domain intervals up to, between and after them, a, c and e are the slopes of the linear sub-functions and b, d and h (instead of f or g not to be confused as a function) are their y-intercepts when the parameter for horizontal transformations, t_{tr}, is zero. Their values can be set by hand relatively easily:

$\boldsymbol{t_0 = 0}$ as this is defined to be the start time of the change.

$\boldsymbol{t_1 = 55}$ as this is the duration mean for the change rounded up to the closest 5.

$\boldsymbol{a} = \boldsymbol{e} = \mathbf{0}$ as the stable ends are horizontal lines with slopes of 0, meaning that they stay constant.

$\boldsymbol{b} = \mathbf{0}$ as this is defined to be the start magnitude of the change.

$\boldsymbol{h} \approx -\mathbf{1.686}$ as this is the average magnitude of the glucose concentrations at $t = 55$.

$\boldsymbol{c} \approx -\mathbf{0.0307}$ from calculating the overall slope over the interval $0 \leq t \leq 55$:

$$m = \frac{y_1 - y_0}{t_1 - t_0} = \frac{-1.686 - 0}{55 - 0} = \frac{-1.686}{55} = -0.0307$$

$\boldsymbol{d} = \mathbf{0}$ as the second sub-function starts from zero and hence its $(G(t) =)\ y$-intercept is zero.

$\boldsymbol{t_{tr}}$ **= 0** initially as this is only added as a parameter for the curve fitting algorithm.

As can be seen in the graph below as the light blue curve, these values produce a relatively good fit already, although the curve is shifted to the right in relation to most of the datapoints just a little bit, suggesting that another function allowing for curvature might be incrementally better. For the purposes of this exploration, however, a linear approximation will suffice as it is already so close. To ensure the best possible fit, however, I decided to run the algorithm detailed above only for t_{tr} and c with the variables defined above as initial guesses producing the orange curve:

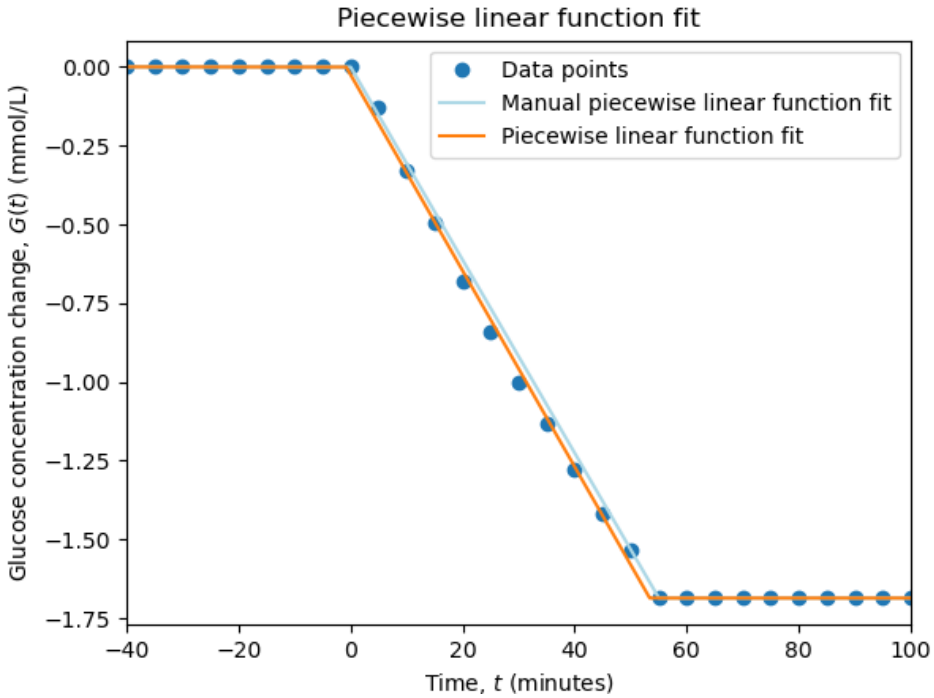


Figure 11 – Piecewise linear function fit with parameters based on the Levenberg-Marquardt algorithm with guess values defined above as reference

As a result, the curve is shifted left by the amount of $|t_{tr}| \approx 0.796$ and its gradient steepened slightly to -0.0311, necessitating the moving of the breakpoint, t_1 to $55 - 0.796 = 54.204$. This produces the fit function $G(t)$ with values approximated to three decimal places (for clarity):

$$G(t) = \begin{cases} 0 & t < 0 \\ -0.0311t & 0 \leq t \leq 54.204 \\ -1.686 & t > 54.204 \end{cases}$$

Finding the optimal timing of insulin injection to minimize glucose variability

As already discussed in the aim and approach section, the optimal timing for insulin injection to minimize glucose variability can be found as the horizontal transformation of the piecewise linear function representing the change in glucose concentration in response to insulin injection, that minimizes the total area under the curve produced by the function combined of the model functions. This area is a proxy for glucose variability due to being a measure of divergence from zero over time.

Combining the resulting functions from separately modeling both the glucose concentration as a function of time in response to consumption of 10.5 carbohydrates from 5 "Siripiri" tablets and injection of 1 unit (0.01ml) of Fiasp insulin produces the following combined function:

$$F(t) + G(t) = -0.008 + \frac{2.794 - (-0.008)}{(1.002 + 0.523e^{-0.101(t-25.393)})^{\frac{1}{0.572}}} + \begin{cases} 0 & t < 0 \\ -0.0311t & 0 \leq t \leq 54.204 \\ -1.686 & t > 54.204 \end{cases}$$

The total area under the curve produced by this function, visualized in the graph below, can be found from integrating the function between some limits to produce its definite integral. The limits of -115 and 115 were chosen based on the sum of the mean times, the durations of the changes, because with such extreme horizontal transformations the functions' changing parts no longer overlap and the area will therefore not decrease in either direction.

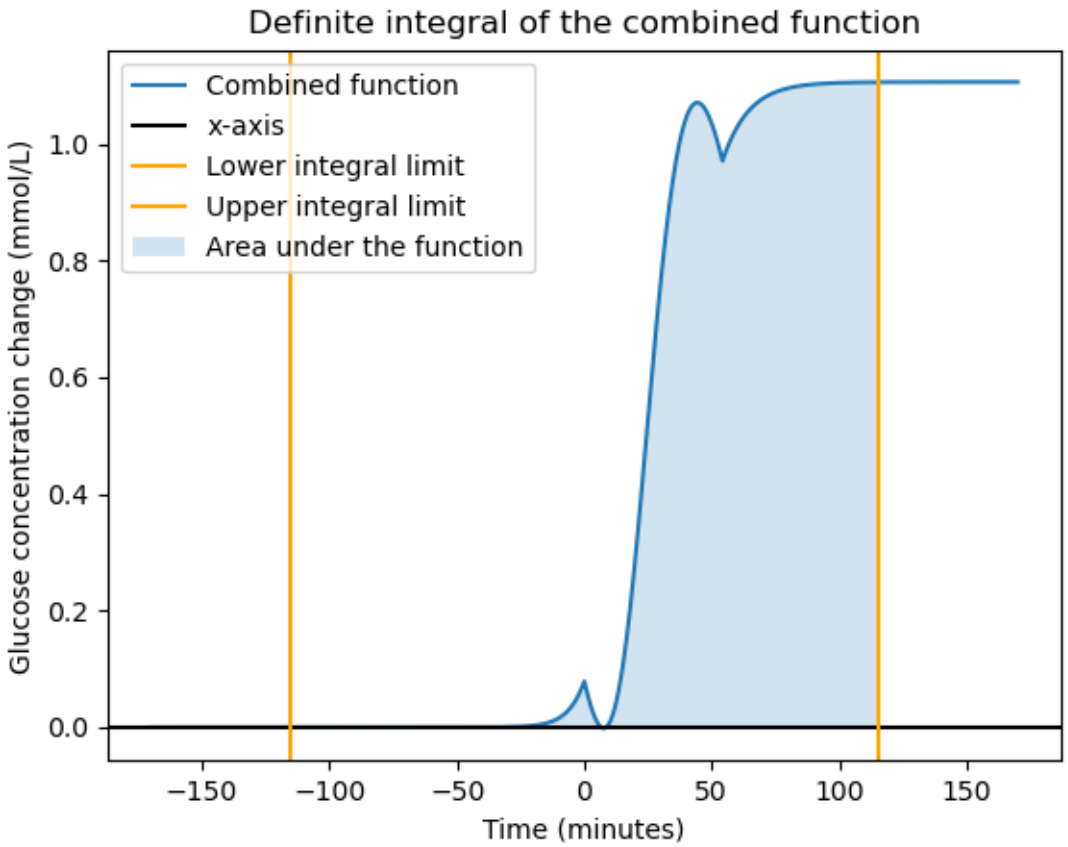


Figure 12 – Area under the combined function

This total area is given by the absolute value of the definite integral of the combined function:

$$\int_{-115}^{115} |F(t) + G(t + t_{tr})|\, dt$$

$$= \int_{-115}^{115} \left| -0.008 + \frac{2.794 - (-0.008)}{(1.002 + 0.523e^{-0.101(t-25.393)})^{\frac{1}{0.572}}} + \begin{cases} 0 & t + t_{tr} < 0 \\ -0.0311(t + t_{tr}) & 0 \leq t + t_{tr} \leq 54.204 \\ -1.686 & t + t_{tr} > 54.204 \end{cases} \right| dt$$

where t_{tr} is the horizontal transformation of the piecewise linear function.

For the horizontal transformations, I generated a total of 13 800 values corresponding to changes of one second on a symmetrical interval of $2 \cdot$ carbohydrate mean times $+ 4 \cdot$ insulin mean times (from -170 to 170 minutes), which I observed to be computationally feasible, albeit slow, but also to hold both the minimum and maximum areas, producing a beautiful scatter plot of the values of the definite integral, the area under the curve, against the horizontal transformation of the

piecewise linear function when areas of the combined function are computed for each horizontal transformation using SciPy's quad function for numerical integration, the method with the best balance of speed and accuracy for such a costly computation, even for a computer:

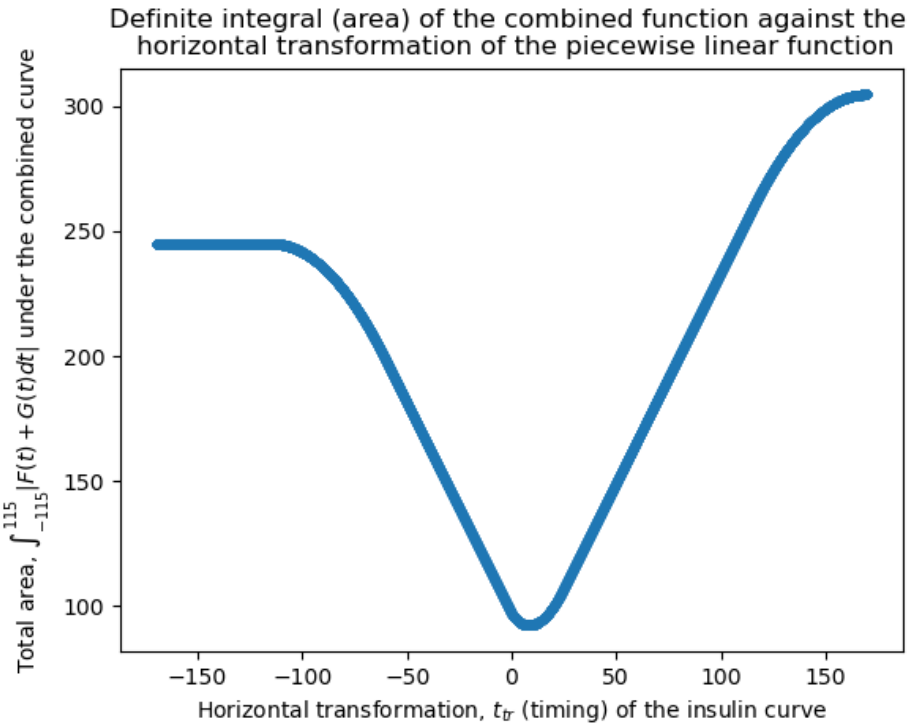


Figure 13 – Scatter graph of the total area under the combined function $F(t) + G(t + t_{tr})$ against the horizontal transformation of $G(t)$

This could most likely be modeled by either some piecewise function or by an asymmetric gaussian function achieved by combining a gaussian function with a logistic function: $ae^{\frac{(x-b)^2}{2e^2}} + \frac{L}{1+e^{k(x-x_0)}}$ which could then be differentiated in terms of *x* to find the minimum, $\frac{dy}{dx} = 0$ AND $\frac{d^2y}{dx^2} > 0$, but doing this with the dataset generated would not make much sense as the modeling itself would require knowing the minimum point, which can be found by just iterating through all the computed values and choosing the smallest one.

The minimum area is 92.309, which is achieved when $t_{tr} \approx 8.193$. As this value is positive, the curve resulting from insulin injection is transformed horizontally to the left by this amount, corresponding to a timing of the insulin of 8 minutes and 12 seconds before eating (as $0.193 \cdot 60 \approx 12$). The graph below shows the total area under the combined function before and after the transformation resulting in the minimum value of the definite integral:

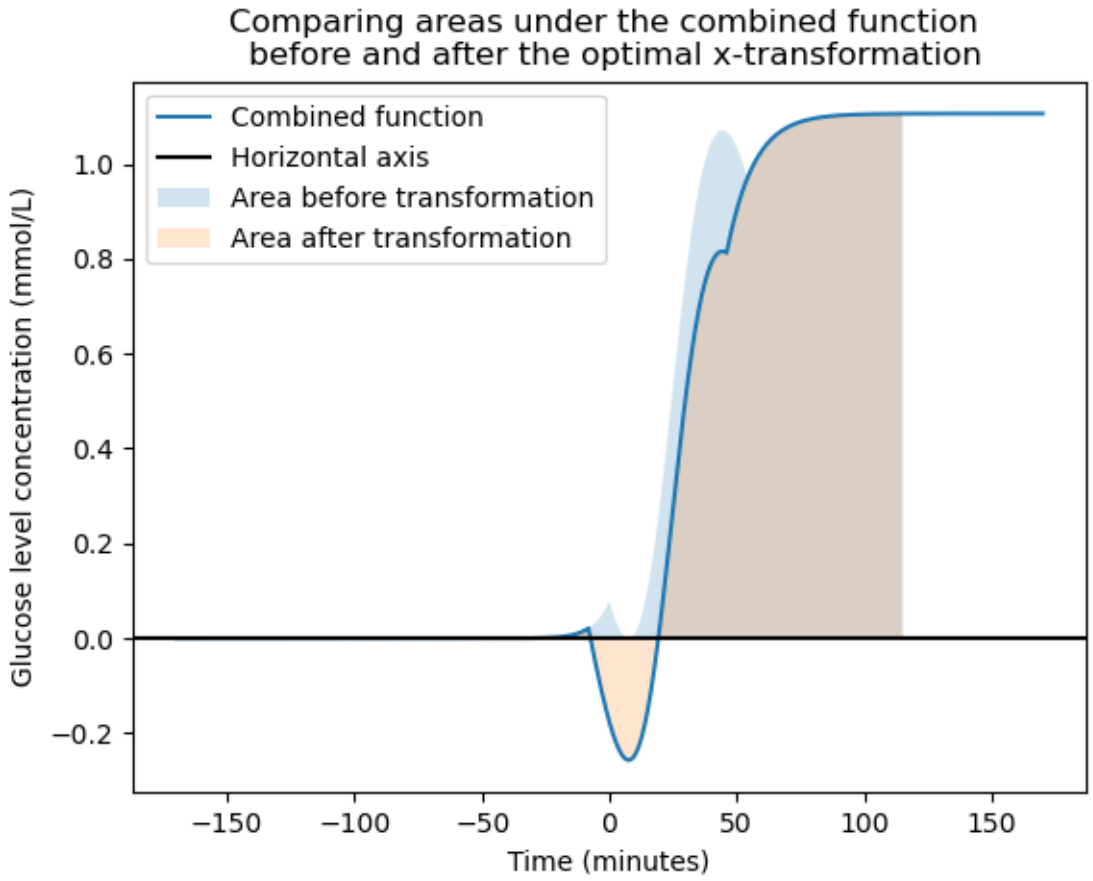


Figure 14 – Total area under the combined curve with $t_{tr} = 0$ in blue compared to the area with $t_{tr} = 8.193$ in orange

Analysis and evaluation

As can be seen in figure 14, the difference in area under the curve is rather small; in fact, only 96.928 (area with $t_{tr} = 0$) $-$ 92.309 (area with $t_{tr} \approx 8.193$) $=$ 4.619, implying that for convenience's sake, the entire 8-minute interval before eating is rather optimal. What is especially noticeable, however, is that whereas the area with $t_{tr} = 0$ in blue stays above the horizontal axis essentially throughout, the area with $t_{tr} = 8.193$ initially dips below the horizontal axis. To investigate this dip in more detail, we must look at a wider interval of horizontal transformations.

The maximum improvement from the area at $t_{tr} = 0$ is a 4.619 decrease. Suppose we can tolerate a similar worsening from the default starting point $t_{tr} = 0$, recommended by the nurses and doctors, usually even in the presence of the 20-minute leeway according to the manufacturer. This gives us a value of $96.928 + 4.619 =$ 101.547 for the area under the curve, which is then the threshold of

tolerance. The interval of horizontal transformations producing an area less than or equal to this is from -2.772 to 21.325 as can be seen in figure 13. Notably, the negative transformation (to the right) is much smaller than the 20 minutes promised by the manufacturer. Similarly, the transformation to the left is much more than expected, resulting in the dosing interval essentially being inverted. The graph on the right compares the areas and curves of maximum tolerance (orange and green) to the official dose timing interval recommended by the manufacturer (light blue and blue). It can be seen in figure 15 that something is not quite right with the dosing interval being inverted as the recommended interval would produce the largest area increases.

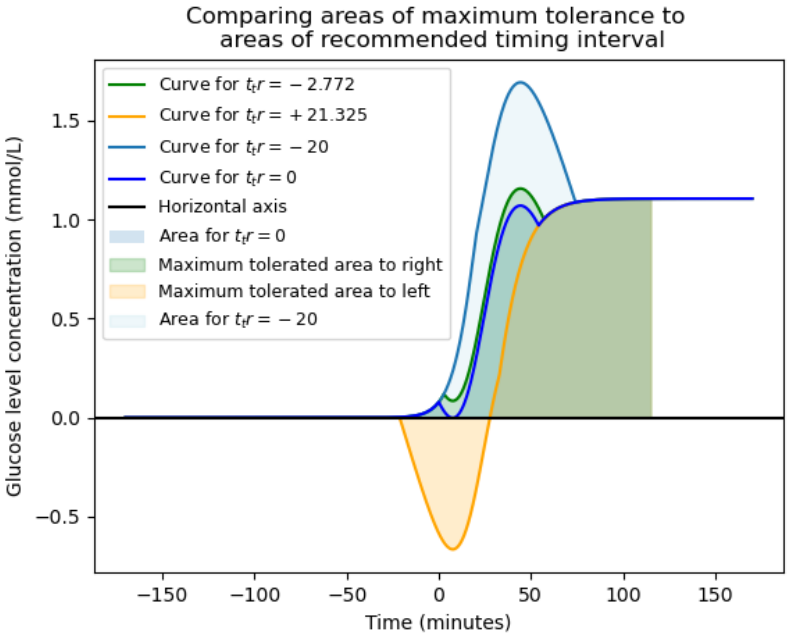


Figure 15 – Comparison of areas of maximum tolerance to areas of recommended timing interval

My method clearly favors transformations to the left even at the cost of dips below the horizontal axis, which leads to greater fluctuation of the glucose concentration below and above the initial concentration, which may lead the person interpreting the values in real time to make hasty correction decisions, leading to amplified fluctuation. This effect would be even worse for slower carbohydrates and larger amounts of insulin as the dip would be larger. This raises a question of the appropriateness of using the area under the curve as a measure of glucose variability. It expresses and minimizes the absolute divergence from zero but does so by increasing fluctuation, which would perhaps be a more relevant measure of variation based on this.

The fact that the horizontal transformations to the right produce much larger areas than those to the left, as seen in figure 15, might also signal of issues created by the min-max and max-min approaches. It may, for example, be the case that it takes the body longer to register carbohydrates than insulin, which would justify the 20-minute dosing window after eating. As this delay is entirely neglected in the models that only start from the first observed effect, these phenomena might go entirely unnoticed, therefore contributing to the error.

It can also be noticed that my $\frac{1}{10}$ ratio of insulin to carbohydrates might not quite hold as the level on which the combined curve settles, is higher than the level from where it starts. This is due to the difference in the means of magnitude of change, which are ≈ -2.2 for 1 unit of insulin and ≈ 3.0 for 10.5 carbohydrates from 5 'Siripiri" glucose tablets, which may be another factor for why the method favors the dips. The values are, however, brought down by the very small values that do not get filtered and the fact that there appear to be feedback loops that weaken the effect of insulin at higher concentrations and the effect of glucose at lower concentrations, which are the conditions under which these corrections are made, makes them somewhat unreliable.

Therefore, as it is difficult to better control the variables in data collection, improvements could be made in data selection and filtering by using more sophisticated statistical methods to, for example, carefully tighten the range of data selected. Delay to first effect must also be taken into account in future development by, for example, utilizing the stable ends to push the changing part of the function further so as to make 0 always denote the timing of an event rather than the first observed effect, or by throwing both assumptions out entirely and collecting much more data to hopefully even out the effect of other variables naturally. To better consider the up-and-down fluctuation in addition to just divergence over time from the horizontal, the object of minimization could also be, for example, the range of the combined function (maximum y-value – minimum y-value), which, with current assumptions, would give t_{tr} to be approximately 0.

Conclusion

Despite having to learn programming with python, using related software and libraries and understanding some new mathematics from scratch simultaneously to collecting data and finding some biases in my method and flaws in my assumptions in the end, I did manage to accomplish my aim to the extent it was defined. Neglecting the seconds as excessive precision, the optimal timing for insulin injection to minimize glucose level variability for me personally after a meal in ideal conditions is about 8 minutes before the meal. Due to the improvement being rather marginal compared to the recommendation, however, it might be safe to say that the optimum is rather an interval from no earlier than 8 minutes prior to beginning the meal, although this might differ for longer meals and slower carbohydrates. I might nevertheless take my finding to the next doctor's appointment and ask them what do they think of it for me. Although the result is too weak for anything really actionable for the various reasons mentioned above, it did importantly remind me of the fact that although fast, Fiasp should still be used as close to the beginning of a meal as possible, if not a few minutes prior, which is something I have not always followed closely enough.

Although in the end not quite as definitive and actionable as I would like, this works as great basis for further development and learning. In the next iteration, I will aim to cut down the assumptions, try the alternative approach of minimizing the range and find ways for the method to work with variable amounts of carbohydrates and insulin. In the course of this exploration,however, I learned a lot of mathematics, programming and even writing, especially modeling, data processing and visualization and got very interested in their various aspects and forms. It was a very humbling experience, once again returning me to the beginner's mindset, as I basically was one in all aspects of the exploration. It showed me how much there is still to learn, understand and discover while still showing me a glimpse of the tremendous power and potential mathematics has to offer for all problem solving from the mundane to life-altering, leaving me inspired to learn and explore a lot more.

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Appendices

Determining the optimal timing for insulin injection to minimize glucose level variability after a meal in ideal conditions

Import necessary libraries

```
from IPython.display import display_html
from scipy.interpolate import interp1d
from matplotlib import pyplot as plt
from sklearn.metrics import r2_score
from itertools import zip_longest
import scipy.optimize as opt
from scipy import integrate
import statistics as stats
import numpy.ma as ma
import pandas as pd
import sympy as sy
import numpy as np
import datetime
import math
```

Data processing

Import data

```
data = pd.read_csv('Data_27-1.csv')
```

Format data

```
#Format data
concise_data = data.drop(index=data.index[:10], columns=['Patient Info', 'Device Info', 'Source Device ID'])
concise_data.reset_index(drop=True, inplace=True)
concise_data['Index'] = concise_data['Index'].sub(11)

#MultiIndex
concise_data.index = pd.MultiIndex.from_frame(concise_data)
concise_data.sort_index(inplace=True)
```

Sample of data showing all relevant event types

```
concise_data.iloc[206:10176]
```

Out[5]:

Index	Timestamp (YYYY-MM-DDThh:mm:ss)	Event Type	Event Subtype	Glucose Value (mmol/L)	Insulin Value (u)	Carb Value (grams)	Duration (hh:mm:ss)	Glucose Rate of Change (mmol/L/min)	Transmitter Time (Long Integer)	Transmitter ID	Index	Timestamp (YYYY-MM-DDThh:mm:ss)
206	2021-10-27T17:05:31	EGV	NaN	6.2	NaN	NaN	NaN	NaN	8832673.0	8PBGYQ	206	2021-10-27T17:05:31
207	2021-10-27T17:06:00	Carbs	NaN	NaN	NaN	10.0	NaN	NaN	NaN	NaN	207	2021-10-27T17:06:00
208	2021-10-27T17:10:30	EGV	NaN	6.4	NaN	NaN	NaN	NaN	8832973.0	8PBGYQ	208	2021-10-27T17:10:30
209	2021-10-27T17:15:30	EGV	NaN	6.9	NaN	NaN	NaN	NaN	8833273.0	8PBGYQ	209	2021-10-27T17:15:30
210	2021-10-27T17:20:30	EGV	NaN	7.4	NaN	NaN	NaN	NaN	8833573.0	8PBGYQ	210	2021-10-27T17:20:30
...	...	...	...	...	...	...	...	...	...	...	...	...
10171	2021-11-30T08:52:55	EGV	NaN	10.8	NaN	NaN	NaN	NaN	2362573.0	8J44L8	10171	2021-11-30T08:52:55
10172	2021-11-30T08:57:55	EGV	NaN	10.6	NaN	NaN	NaN	NaN	2362873.0	8J44L8	10172	2021-11-30T08:57:55
10173	2021-11-30T08:59:00	Insulin	Fast-Acting	NaN	1.0	NaN	NaN	NaN	NaN	NaN	10173	2021-11-30T08:59:00
10174	2021-11-30T08:59:00	Insulin	Long-Acting	NaN	20.0	NaN	NaN	NaN	NaN	NaN	10174	2021-11-30T08:59:00
10175	2021-11-30T09:02:56	EGV	NaN	10.0	NaN	NaN	NaN	NaN	2363173.0	8J44L8	10175	2021-11-30T09:02:56

9970 rows × 11 columns

Format data without index column in MultiIndex

(To retain indexing functionality within certain functions)

```
concise_data_woI = data.drop(index=data.index[:10], columns=['Index', 'Patient Info', 'Device Info', 'Source Device ID'])
concise_data_woI.reset_index(drop=True, inplace=True)
concise_data_woI.index = pd.MultiIndex.from_frame(concise_data_woI)
concise_data_woI.sort_index(inplace=True)
```

Isolate and convert `time` variable to datetime

```
time = pd.to_datetime(concise_data['Timestamp (YYYY-MM-DDThh:mm:ss)'])
```

Isolate and convert `glucose` variable to float64

> call range by `glucose.loc[slice(None), 'YYYY-MM-DDThh:mm:ss':'YYYY-MM-DDThh:mm:ss']`
>
> where Y = year, M = month, D = day, T = separator, h = hour, m = minute, s = second

```
glucose = pd.to_numeric(concise_data['Glucose Value (mmol/L)'], errors='coerce')
```

`glucose` variable without index column in MultiIndex

(To retain indexing functionality within `get_glucose_minmax` function)

```
glucose_woI = pd.to_numeric(concise_data_woI['Glucose Value (mmol/L)'], errors='coerce')
```

All times when 10.5 carbohydrates (5 'Siripiri' tablets) were consumed

```
_10carbs_timing = concise_data['Timestamp (YYYY-MM-DDThh:mm:ss)'].loc[(concise_data['Event Type'] == 'Carbs') & (concise_da
_10carbs_timing
```

Out[10]:
```
array(['2021-10-27T17:06:00', '2021-10-28T19:00:00',
       '2021-10-28T19:30:00', '2021-10-29T07:49:00',
       '2021-10-29T09:37:00', '2021-10-29T11:11:00',
       '2021-10-29T14:04:00', '2021-10-29T15:27:00',
       '2021-10-31T12:53:00', '2021-11-02T09:50:00',
       '2021-11-02T11:51:00', '2021-11-02T19:00:00',
       '2021-11-03T08:13:00', '2021-11-03T11:04:00',
       '2021-11-03T14:19:00', '2021-11-04T18:27:00',
       '2021-11-05T05:07:00', '2021-11-05T08:18:00',
       '2021-11-05T12:01:00', '2021-11-05T14:08:00',
       '2021-11-09T09:08:00', '2021-11-10T14:49:00',
       '2021-11-11T02:16:00', '2021-11-11T14:28:00',
       '2021-11-12T08:43:00', '2021-11-12T15:05:00',
       '2021-11-13T16:42:00', '2021-11-16T14:48:00',
       '2021-11-17T09:18:00', '2021-11-19T08:30:00',
       '2021-11-19T20:11:00', '2021-11-22T08:23:00',
       '2021-11-24T08:39:00', '2021-11-24T14:09:00',
       '2021-11-25T12:14:00', '2021-11-26T08:21:00',
       '2021-11-26T13:25:00', '2021-11-29T13:41:00',
       '2021-11-30T11:07:00', '2021-11-30T15:43:00'], dtype=object)
```

All times when 1 unit of insulin was injected

```
fa_insulin_1u_timing = concise_data['Timestamp (YYYY-MM-DDThh:mm:ss)'].loc[(concise_data['Event Subtype'] == 'Fast-Acting'
fa_insulin_1u_timing
```

Out[11]:
```
array(['2021-10-28T09:51:00', '2021-10-28T11:44:00',
       '2021-10-29T17:31:00', '2021-10-29T21:42:00',
       '2021-10-30T16:22:00', '2021-10-31T00:12:00',
       '2021-10-31T09:40:00', '2021-10-31T16:02:00',
       '2021-11-01T13:37:00', '2021-11-01T17:01:00',
       '2021-11-01T17:43:00', '2021-11-02T07:37:00',
       '2021-11-04T09:19:00', '2021-11-04T10:38:00',
       '2021-11-05T10:17:00', '2021-11-06T11:41:00',
       '2021-11-07T00:18:00', '2021-11-07T01:33:00',
       '2021-11-07T13:03:00', '2021-11-07T17:31:00',
       '2021-11-07T18:17:00', '2021-11-08T15:07:00',
       '2021-11-09T07:52:00', '2021-11-09T11:21:00',
       '2021-11-10T09:08:00', '2021-11-10T11:49:00',
       '2021-11-11T10:18:00', '2021-11-11T12:03:00',
       '2021-11-11T16:10:00', '2021-11-12T00:48:00',
       '2021-11-12T11:29:00', '2021-11-12T23:52:00',
       '2021-11-13T09:02:00', '2021-11-13T12:10:00',
```

```
'2021-11-13T20:05:00', '2021-11-13T20:49:00',
'2021-11-15T08:16:00', '2021-11-15T13:12:00',
'2021-11-15T18:29:00', '2021-11-16T09:53:00',
'2021-11-16T16:28:00', '2021-11-16T20:05:00',
'2021-11-16T21:43:00', '2021-11-16T23:42:00',
'2021-11-17T00:28:00', '2021-11-17T10:33:00',
'2021-11-17T23:22:00', '2021-11-18T15:37:00',
'2021-11-19T14:05:00', '2021-11-19T16:24:00',
'2021-11-19T23:42:00', '2021-11-20T22:23:00',
'2021-11-21T11:56:00', '2021-11-21T13:43:00',
'2021-11-21T19:51:00', '2021-11-22T15:19:00',
'2021-11-22T18:32:00', '2021-11-24T13:08:00',
'2021-11-25T08:51:00', '2021-11-29T00:26:00',
'2021-11-29T10:09:00', '2021-11-30T08:59:00'], dtype=object)
```

Plot of glucose levels and insulin and carbohydrate timings between 27.10.2021 and 1.12.2021

```
plt.plot(time, glucose)
plt.scatter(_10carbs_timing, ([2] * len(_10carbs_timing)), color='green', marker='o')
plt.scatter(fa_insulin_1u_timing, ([1] * len(fa_insulin_1u_timing)), color='red', marker='o')
plt.title('Glucose levels between 27.10.2021 - 1.12.2021')
plt.legend(['Glucose concentration', '10.5 carbohydrates', '1 unit of insulin'])
plt.xlabel('Time (YYYY-MM-DD hh:mm:ss)')
plt.ylabel('Glucose concentration (mmol/L)')
plt.xlim(time.iloc[0], time.iloc[-1])

plt.xticks(rotation = 30)
plt.tight_layout()

#fig=plt.figure(figsize=(80,80), dpi= 200, facecolor='w', edgecolor='k')
#plt.rcParams['figure.figsize'] = [12, 8]
#plt.rcParams['figure.dpi'] = 200
plt.savefig(fname='Glucose levels between 27.10.2021 - 1.12.2021.')

plt.style.use('default')
```

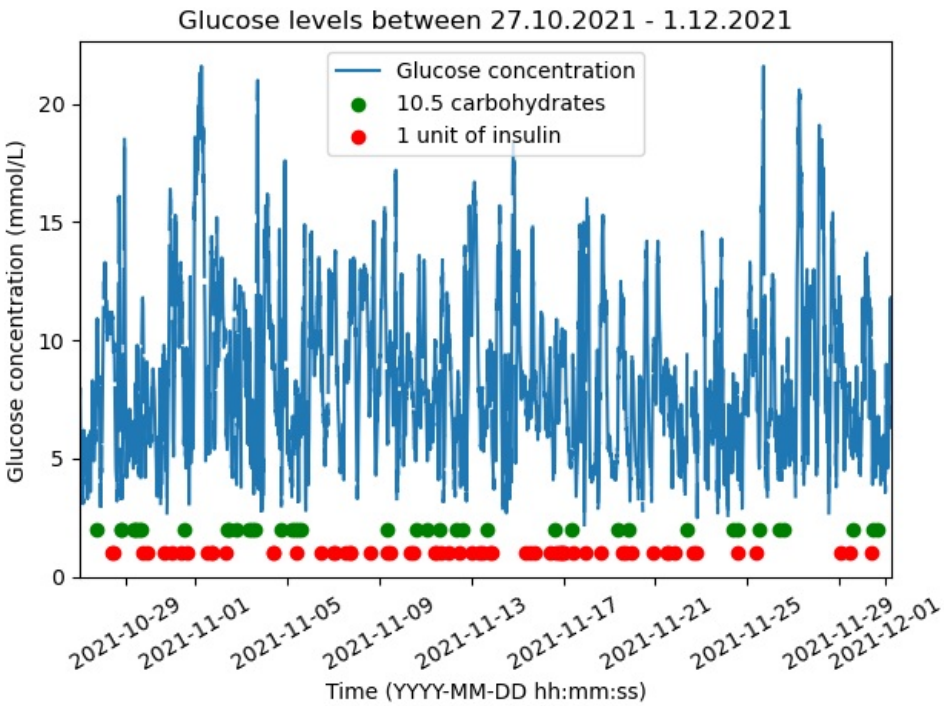

Table of raw data with consumption of 10.5 carbohydrates highlighted in green and injection of 1 unit of insulin highlighted in red

```
two_column_data = concise_data_woI.iloc[:,np.r_[0,3]]
two_column_data.reset_index(drop=True, inplace=True)
```

```
def style_carbs(v, props=''):
    return props if v in _10carbs_timing else None
def style_insulin(v, props=''):
    return props if v in fa_insulin_1u_timing else None
```

```
raw_data_part_1 = two_column_data.iloc[0:2610]
raw_data_part_2 = two_column_data.iloc[2611:5220]
raw_data_part_3 = two_column_data.iloc[5221:7830]
raw_data_part_4 = two_column_data.iloc[7831:]
```

```
raw_data_used_1 = raw_data_part_1.style.applymap(style_carbs, props='background-color:green; color:white;').applymap(style
                .applymap(lambda v: 'opacity: 80%;' if v in _10carbs_timing else None).applymap(lambda v: 'opacity: 80%;' if
raw_data_used_2 = raw_data_part_2.style.applymap(style_carbs, props='background-color:green; color:white;').applymap(style
                .applymap(lambda v: 'opacity: 80%;' if v in _10carbs_timing else None).applymap(lambda v: 'opacity: 80%;' if
raw_data_used_3 = raw_data_part_3.style.applymap(style_carbs, props='background-color:green; color:white;').applymap(style
                .applymap(lambda v: 'opacity: 80%;' if v in _10carbs_timing else None).applymap(lambda v: 'opacity: 80%;' if
raw_data_used_4 = raw_data_part_4.style.applymap(style_carbs, props='background-color:green; color:white;').applymap(style
                .applymap(lambda v: 'opacity: 80%;' if v in _10carbs_timing else None).applymap(lambda v: 'opacity: 80%;' if
```

```
display_html(raw_data_used_1._repr_html_()+raw_data_used_2._repr_html_()+raw_data_used_3._repr_html_()+raw_data_used_4._re
```

	Timestamp (YYYY-MM-DDThh:mm:ss)	Glucose Value (mmol/L)		Timestamp (YYYY-MM-DDThh:mm:ss)	Glucose Value (mmol/L)		Timestamp (YYYY-MM-DDThh:mm:ss)	Glucose Value (mmol/L)		Timestamp (YYYY-MM-DDThh:mm:ss)	Glucose Value (mmol/L)
0	2021-10-27T00:00:29	7.6	2611	2021-11-04T16:26:34	13.4	5221	2021-11-13T10:57:01	6.2	7831	2021-11-22T03:07:29	7.1
1	2021-10-27T00:05:30	7.8	2612	2021-11-04T16:31:34	12.2	5222	2021-11-13T11:02:02	6.5	7832	2021-11-22T03:12:28	6.7
2	2021-10-27T00:10:29	7.9	2613	2021-11-04T16:36:34	10.4	5223	2021-11-13T11:07:02	6.5	7833	2021-11-22T03:17:29	6.4
3	2021-10-27T00:15:29	8.0	2614	2021-11-04T16:41:34	8.4	5224	2021-11-13T11:12:01	6.7	7834	2021-11-22T03:22:29	6.2
4	2021-10-27T00:20:29	7.7	2615	2021-11-04T16:46:37	6.6	5225	2021-11-13T11:17:01	6.8	7835	2021-11-22T03:27:28	4.5
5	2021-10-27T00:25:29	7.5	2616	2021-11-04T16:51:34	6.3	5226	2021-11-13T11:22:01	6.8	7836	2021-11-22T03:32:29	5.2
6	2021-10-27T00:30:29	7.3	2617	2021-11-04T16:56:34	5.7	5227	2021-11-13T11:27:01	7.0	7837	2021-11-22T03:37:28	5.0
7	2021-10-27T00:35:29	6.9	2618	2021-11-04T17:01:34	5.4	5228	2021-11-13T11:32:01	7.2	7838	2021-11-22T03:42:29	4.7
8	2021-10-27T00:40:29	6.4	2619	2021-11-04T17:06:34	5.8	5229	2021-11-13T11:37:01	7.5	7839	2021-11-22T03:47:28	5.3
9	2021-10-27T00:45:29	5.7	2620	2021-11-04T17:11:34	6.9	5230	2021-11-13T11:42:00	7.7	7840	2021-11-22T03:52:29	5.4
10	2021-10-27T00:50:29	5.5	2621	2021-11-04T17:16:35	7.4	5231	2021-11-13T11:47:01	7.9	7841	2021-11-22T03:57:29	6.1
11	2021-10-27T00:55:29	5.5	2622	2021-11-04T17:21:33	7.9	5232	2021-11-13T11:51:00	nan	7842	2021-11-22T04:02:30	6.2
12	2021-10-27T01:00:29	5.3	2623	2021-11-04T17:26:00	nan	5233	2021-11-13T11:52:01	8.0	7843	2021-11-22T04:07:29	6.1
13	2021-10-27T01:05:29	5.2	2624	2021-11-04T17:26:00	nan	5234	2021-11-13T11:57:01	8.0	7844	2021-11-22T04:12:29	5.9
14	2021-10-27T01:10:29	5.3	2625	2021-11-04T17:26:33	8.3	5235	2021-11-13T12:02:01	8.0	7845	2021-11-22T04:17:29	5.7
15	2021-10-27T01:15:29	5.4	2626	2021-11-04T17:31:34	8.9	5236	2021-11-13T12:07:01	8.0	7846	2021-11-22T04:22:29	5.7
16	2021-10-27T01:20:29	5.6	2627	2021-11-04T17:36:33	9.0	5237	2021-11-13T12:10:00	nan	7847	2021-11-22T04:27:29	5.6
17	2021-10-27T01:25:28	5.7	2628	2021-11-04T17:41:34	8.2	5238	2021-11-13T12:12:01	7.8	7848	2021-11-22T04:32:29	5.5
18	2021-10-27T01:30:28	5.9	2629	2021-11-04T17:46:33	6.7	5239	2021-11-13T12:17:00	nan	7849	2021-11-22T04:37:29	5.4
19	2021-10-27T01:35:28	5.9	2630	2021-11-04T17:51:34	5.4	5240	2021-11-13T12:17:01	7.2	7850	2021-11-22T04:42:29	5.4
20	2021-10-27T01:40:29	5.8	2631	2021-11-04T17:56:00	nan	5241	2021-11-13T12:22:01	6.5	7851	2021-11-22T04:47:30	5.3
21	2021-10-27T01:45:29	5.8	2632	2021-11-04T17:56:34	4.6	5242	2021-11-13T12:27:01	6.1	7852	2021-11-22T04:52:29	5.6
22	2021-10-27T01:50:28	5.7	2633	2021-11-04T18:01:34	3.9	5243	2021-11-13T12:32:01	6.2	7853	2021-11-22T04:57:29	5.3
23	2021-10-27T01:55:29	5.6	2634	2021-11-04T18:06:34	3.4	5244	2021-11-13T12:37:01	6.0	7854	2021-11-22T05:02:29	5.1
24	2021-10-27T02:00:29	5.5	2635	2021-11-04T18:11:33	3.1	5245	2021-11-13T12:42:01	5.8	7855	2021-11-22T05:07:30	5.1
25	2021-10-27T02:05:29	5.4	2636	2021-11-04T18:12:00	nan	5246	2021-11-13T12:47:01	5.4	7856	2021-11-22T05:12:29	5.1
26	2021-10-27T02:10:29	5.3	2637	2021-11-04T18:16:35	3.0	5247	2021-11-13T12:52:01	5.3	7857	2021-11-22T05:17:30	5.0
27	2021-10-27T02:15:29	5.1	2638	2021-11-04T18:21:33	3.1	5248	2021-11-13T12:57:01	5.7	7858	2021-11-22T05:22:30	5.0
28	2021-10-27T02:20:29	4.8	2639	2021-11-04T18:26:33	3.2	5249	2021-11-13T13:02:02	6.0	7859	2021-11-22T05:27:30	4.9
29	2021-10-27T02:25:28	4.6	2640	2021-11-04T18:27:00	nan	5250	2021-11-13T13:07:01	6.5	7860	2021-11-22T05:32:29	4.9
30	2021-10-27T02:30:29	4.3	2641	2021-11-04T18:30:00	nan	5251	2021-11-13T13:12:01	6.4	7861	2021-11-22T05:37:30	4.8
31	2021-10-27T02:35:28	4.2	2642	2021-11-04T18:31:34	3.5	5252	2021-11-13T13:17:02	6.2	7862	2021-11-22T05:42:29	4.7
32	2021-10-27T02:40:29	4.0	2643	2021-11-04T18:36:33	3.9	5253	2021-11-13T13:22:01	6.2	7863	2021-11-22T05:47:28	4.7
33	2021-10-27T02:45:29	3.9	2644	2021-11-04T18:41:34	4.6	5254	2021-11-13T13:27:02	6.3	7864	2021-11-22T05:52:28	4.4
34	2021-10-27T02:50:29	3.8	2645	2021-11-04T18:46:33	5.5	5255	2021-11-13T13:32:02	6.3	7865	2021-11-22T05:57:28	4.3
35	2021-10-27T02:55:29	3.7	2646	2021-11-04T18:51:33	5.9	5256	2021-11-13T13:37:01	6.1	7866	2021-11-22T06:02:29	4.2
36	2021-10-27T03:00:29	3.6	2647	2021-11-04T18:56:33	6.0	5257	2021-11-13T13:42:02	5.9	7867	2021-11-22T06:07:30	4.1
37	2021-10-27T03:05:30	3.4	2648	2021-11-04T19:01:33	5.8	5258	2021-11-13T13:47:01	6.0	7868	2021-11-22T06:12:29	4.1
38	2021-10-27T03:10:29	3.3	2649	2021-11-04T19:06:34	5.7	5259	2021-11-13T13:52:01	6.0	7869	2021-11-22T06:17:29	4.0
39	2021-10-27T03:15:29	3.2	2650	2021-11-04T19:11:34	6.0	5260	2021-11-13T13:57:01	6.3	7870	2021-11-22T06:22:29	4.0
40	2021-10-27T03:20:29	3.1	2651	2021-11-04T19:16:35	6.7	5261	2021-11-13T14:02:01	6.5	7871	2021-11-22T06:27:29	3.9
41	2021-10-27T03:25:29	3.2	2652	2021-11-04T19:21:34	7.1	5262	2021-11-13T14:07:01	6.5	7872	2021-11-22T06:32:29	3.9
42	2021-10-27T03:30:29	3.3	2653	2021-11-04T19:26:34	9.4	5263	2021-11-13T14:12:01	6.7	7873	2021-11-22T06:37:29	3.8
43	2021-10-27T03:35:29	3.2	2654	2021-11-04T19:31:34	9.6	5264	2021-11-13T14:17:01	6.6	7874	2021-11-22T06:42:29	3.6
44	2021-10-27T03:40:29	3.1	2655	2021-11-04T19:36:34	9.5	5265	2021-11-13T14:22:01	6.6	7875	2021-11-22T06:47:29	3.6

45	2021-10-27T03:45:29	3.3	2656	2021-11-04T19:41:34	9.5	5266	2021-11-13T14:27:02	6.7	7876	2021-11-22T06:52:29	3.6
46	2021-10-27T03:50:29	3.9	2657	2021-11-04T19:46:34	9.9	5267	2021-11-13T14:32:01	6.8	7877	2021-11-22T06:57:29	3.6
47	2021-10-27T03:55:29	4.7	2658	2021-11-04T19:51:35	10.9	5268	2021-11-13T14:37:02	6.6	7878	2021-11-22T07:00:00	nan
48	2021-10-27T04:00:30	5.4	2659	2021-11-04T19:56:33	10.6	5269	2021-11-13T14:42:02	6.4	7879	2021-11-22T07:02:29	3.5
49	2021-10-27T04:05:30	5.8	2660	2021-11-04T20:01:34	10.1	5270	2021-11-13T14:47:02	6.3	7880	2021-11-22T07:07:30	3.6
50	2021-10-27T04:10:29	6.0	2661	2021-11-04T20:06:33	9.7	5271	2021-11-13T14:52:01	6.0	7881	2021-11-22T07:12:29	3.6
51	2021-10-27T04:15:29	6.2	2662	2021-11-04T20:11:34	9.5	5272	2021-11-13T14:57:02	6.2	7882	2021-11-22T07:17:29	3.9
52	2021-10-27T04:20:28	6.0	2663	2021-11-04T20:16:35	9.2	5273	2021-11-13T15:02:02	6.5	7883	2021-11-22T07:22:29	4.3
53	2021-10-27T04:25:29	5.9	2664	2021-11-04T20:21:34	9.2	5274	2021-11-13T15:07:01	6.7	7884	2021-11-22T07:27:29	4.8
54	2021-10-27T04:30:29	5.9	2665	2021-11-04T20:26:35	9.4	5275	2021-11-13T15:12:02	6.7	7885	2021-11-22T07:32:29	5.4
55	2021-10-27T04:35:28	5.9	2666	2021-11-04T20:31:34	9.5	5276	2021-11-13T15:17:02	6.7	7886	2021-11-22T07:37:29	5.7
56	2021-10-27T04:40:29	6.0	2667	2021-11-04T20:36:36	9.5	5277	2021-11-13T15:22:02	6.9	7887	2021-11-22T07:42:28	5.9
57	2021-10-27T04:45:29	6.1	2668	2021-11-04T20:41:34	10.0	5278	2021-11-13T15:27:02	6.9	7888	2021-11-22T07:47:29	5.8
58	2021-10-27T04:50:29	5.9	2669	2021-11-04T20:46:34	11.0	5279	2021-11-13T15:32:02	7.0	7889	2021-11-22T07:52:28	4.8
59	2021-10-27T04:55:29	5.8	2670	2021-11-04T20:51:34	11.9	5280	2021-11-13T15:37:01	6.8	7890	2021-11-22T07:57:29	5.6
60	2021-10-27T05:00:29	5.7	2671	2021-11-04T20:56:35	12.6	5281	2021-11-13T15:42:01	6.7	7891	2021-11-22T08:02:28	5.2
61	2021-10-27T05:05:30	5.6	2672	2021-11-04T21:01:35	13.4	5282	2021-11-13T15:47:01	7.0	7892	2021-11-22T08:07:30	5.3
62	2021-10-27T05:10:29	5.6	2673	2021-11-04T21:06:34	14.0	5283	2021-11-13T15:52:02	7.0	7893	2021-11-22T08:12:29	5.2
63	2021-10-27T05:15:29	5.7	2674	2021-11-04T21:11:34	14.7	5284	2021-11-13T15:57:02	6.8	7894	2021-11-22T08:17:00	nan
64	2021-10-27T05:20:29	5.8	2675	2021-11-04T21:16:35	15.2	5285	2021-11-13T16:02:01	6.7	7895	2021-11-22T08:17:29	5.3
65	2021-10-27T05:25:29	5.8	2676	2021-11-04T21:21:34	15.9	5286	2021-11-13T16:07:02	6.8	7896	2021-11-22T08:22:29	5.2
66	2021-10-27T05:30:30	5.9	2677	2021-11-04T21:26:33	16.2	5287	2021-11-13T16:12:02	7.0	7897	2021-11-22T08:23:00	nan
67	2021-10-27T05:35:29	5.8	2678	2021-11-04T21:31:34	16.7	5288	2021-11-13T16:17:02	7.2	7898	2021-11-22T08:27:29	4.9
68	2021-10-27T05:40:29	5.7	2679	2021-11-04T21:36:34	17.0	5289	2021-11-13T16:22:01	7.2	7899	2021-11-22T08:32:29	5.6
69	2021-10-27T05:45:30	5.8	2680	2021-11-04T21:40:00	nan	5290	2021-11-13T16:27:01	6.9	7900	2021-11-22T08:37:29	6.9
70	2021-10-27T05:50:29	5.8	2681	2021-11-04T21:41:34	17.1	5291	2021-11-13T16:32:01	6.8	7901	2021-11-22T08:42:29	7.9
71	2021-10-27T05:55:29	5.8	2682	2021-11-04T21:42:00	nan	5292	2021-11-13T16:37:02	6.3	7902	2021-11-22T08:47:29	7.5
72	2021-10-27T06:00:29	5.8	2683	2021-11-04T21:42:00	nan	5293	2021-11-13T16:42:00	nan	7903	2021-11-22T08:52:29	8.7
73	2021-10-27T06:05:30	5.8	2684	2021-11-04T21:46:34	17.1	5294	2021-11-13T16:42:01	6.4	7904	2021-11-22T08:57:29	9.4
74	2021-10-27T06:10:29	5.6	2685	2021-11-04T21:51:34	17.3	5295	2021-11-13T16:47:02	6.3	7905	2021-11-22T11:33:00	nan
75	2021-10-27T06:15:30	5.5	2686	2021-11-04T21:56:34	17.6	5296	2021-11-13T16:52:02	6.4	7906	2021-11-22T13:22:30	6.8
76	2021-10-27T06:20:30	5.6	2687	2021-11-04T22:01:34	17.6	5297	2021-11-13T16:57:01	7.0	7907	2021-11-22T13:27:30	6.9
77	2021-10-27T06:25:29	5.6	2688	2021-11-04T22:06:34	16.9	5298	2021-11-13T17:02:02	7.8	7908	2021-11-22T13:32:30	7.0
78	2021-10-27T06:30:29	5.7	2689	2021-11-04T22:11:34	15.7	5299	2021-11-13T17:07:02	8.4	7909	2021-11-22T13:37:31	7.2
79	2021-10-27T06:35:30	5.5	2690	2021-11-04T22:16:36	14.6	5300	2021-11-13T17:12:02	8.9	7910	2021-11-22T13:42:30	7.5
80	2021-10-27T06:40:29	5.1	2691	2021-11-04T22:21:34	13.9	5301	2021-11-13T17:17:01	9.3	7911	2021-11-22T13:47:30	7.8
81	2021-10-27T06:45:29	4.9	2692	2021-11-04T22:26:34	13.2	5302	2021-11-13T17:22:02	9.6	7912	2021-11-22T13:52:30	8.0
82	2021-10-27T06:50:29	4.9	2693	2021-11-04T22:31:35	12.7	5303	2021-11-13T17:27:02	9.4	7913	2021-11-22T13:57:31	7.6
83	2021-10-27T06:55:29	4.9	2694	2021-11-04T22:36:34	12.2	5304	2021-11-13T17:32:02	9.1	7914	2021-11-22T14:12:30	7.3
84	2021-10-27T07:00:29	4.8	2695	2021-11-04T22:41:35	11.7	5305	2021-11-13T17:37:01	8.5	7915	2021-11-22T14:17:30	7.5
85	2021-10-27T07:05:30	4.7	2696	2021-11-04T22:46:35	11.0	5306	2021-11-13T17:42:02	8.4	7916	2021-11-22T14:42:30	7.4
86	2021-10-27T07:10:29	4.5	2697	2021-11-04T22:51:34	10.4	5307	2021-11-13T17:47:01	8.3	7917	2021-11-22T14:47:31	7.6
87	2021-10-27T07:15:30	4.4	2698	2021-11-04T22:56:35	9.8	5308	2021-11-13T17:52:02	8.4	7918	2021-11-22T14:52:30	7.7
88	2021-10-27T07:20:29	4.3	2699	2021-11-04T23:01:34	9.2	5309	2021-11-13T17:57:02	8.4	7919	2021-11-22T14:57:31	7.5
89	2021-10-27T07:25:29	4.2	2700	2021-11-04T23:02:00	nan	5310	2021-11-13T18:02:02	8.4	7920	2021-11-22T15:02:30	7.3
90	2021-10-27T07:30:29	4.2	2701	2021-11-04T23:06:35	8.7	5311	2021-11-13T18:07:02	8.2	7921	2021-11-22T15:07:31	7.0
91	2021-10-27T07:35:30	4.1	2702	2021-11-04T23:11:34	8.2	5312	2021-11-13T18:11:00	nan	7922	2021-11-22T15:12:30	7.4
92	2021-10-27T07:40:30	3.9	2703	2021-11-04T23:16:35	7.8	5313	2021-11-13T18:11:00	nan	7923	2021-11-22T15:17:30	7.5
93	2021-10-27T07:45:30	4.0	2704	2021-11-04T23:21:34	7.3	5314	2021-11-13T18:12:01	8.2	7924	2021-11-22T15:19:00	nan
94	2021-10-27T07:50:29	4.1	2705	2021-11-04T23:22:00	nan	5315	2021-11-13T18:17:02	7.8	7925	2021-11-22T15:22:31	6.5
95	2021-10-27T07:55:30	3.9	2706	2021-11-04T23:26:34	7.2	5316	2021-11-13T18:22:02	7.9	7926	2021-11-22T15:27:31	6.4
96	2021-10-27T08:00:30	3.8	2707	2021-11-04T23:31:34	7.2	5317	2021-11-13T18:27:02	7.8	7927	2021-11-22T15:32:31	7.2
97	2021-10-27T08:05:30	3.7	2708	2021-11-04T23:36:34	7.6	5318	2021-11-13T18:32:02	7.7	7928	2021-11-22T15:37:30	7.0
98	2021-10-27T08:10:29	3.4	2709	2021-11-04T23:41:34	7.9	5319	2021-11-13T18:37:02	7.7	7929	2021-11-22T15:42:31	6.9
99	2021-10-27T08:15:30	3.3	2710	2021-11-04T23:46:34	8.5	5320	2021-11-13T18:42:02	8.5	7930	2021-11-22T15:47:31	6.8

100	2021-10-27T08:20:30	3.3	**2711**	2021-11-04T23:51:34	8.8	**5321**	2021-11-13T18:47:02	8.8	**7931**	2021-11-22T15:52:30	6.5
101	2021-10-27T08:25:29	3.3	**2712**	2021-11-04T23:56:34	7.9	**5322**	2021-11-13T18:52:01	9.0	**7932**	2021-11-22T15:57:31	6.5
102	2021-10-27T08:30:30	3.6	**2713**	2021-11-05T00:01:34	6.7	**5323**	2021-11-13T18:57:02	8.9	**7933**	2021-11-22T16:02:30	6.4
103	2021-10-27T08:35:29	4.0	**2714**	2021-11-05T00:06:35	6.2	**5324**	2021-11-13T19:02:02	8.2	**7934**	2021-11-22T16:07:31	6.1
104	2021-10-27T08:40:29	4.3	**2715**	2021-11-05T00:11:34	6.0	**5325**	2021-11-13T19:07:02	7.9	**7935**	2021-11-22T16:12:30	5.9
105	2021-10-27T08:45:30	4.9	**2716**	2021-11-05T00:16:36	5.7	**5326**	2021-11-13T19:12:01	7.7	**7936**	2021-11-22T16:17:30	5.9
106	2021-10-27T08:50:00	nan	**2717**	2021-11-05T00:21:35	5.5	**5327**	2021-11-13T19:17:02	7.3	**7937**	2021-11-22T16:22:30	5.8
107	2021-10-27T08:50:30	5.3	**2718**	2021-11-05T00:26:35	5.3	**5328**	2021-11-13T19:22:02	7.2	**7938**	2021-11-22T16:27:30	5.7
108	2021-10-27T08:55:30	5.4	**2719**	2021-11-05T00:31:34	5.2	**5329**	2021-11-13T19:27:02	8.0	**7939**	2021-11-22T16:32:30	5.5
109	2021-10-27T09:00:29	5.5	**2720**	2021-11-05T00:36:35	5.2	**5330**	2021-11-13T19:32:02	9.1	**7940**	2021-11-22T16:37:30	5.5
110	2021-10-27T09:05:30	5.5	**2721**	2021-11-05T00:41:35	5.3	**5331**	2021-11-13T19:37:02	9.6	**7941**	2021-11-22T16:42:30	5.5
111	2021-10-27T09:10:30	5.4	**2722**	2021-11-05T00:46:35	5.5	**5332**	2021-11-13T19:42:03	10.0	**7942**	2021-11-22T16:47:30	5.6
112	2021-10-27T09:15:30	5.4	**2723**	2021-11-05T00:51:35	5.7	**5333**	2021-11-13T19:47:03	9.8	**7943**	2021-11-22T16:52:30	5.7
113	2021-10-27T09:20:30	5.6	**2724**	2021-11-05T00:56:35	5.8	**5334**	2021-11-13T19:52:03	9.3	**7944**	2021-11-22T16:57:30	5.8
114	2021-10-27T09:25:30	5.8	**2725**	2021-11-05T01:01:35	5.8	**5335**	2021-11-13T19:57:03	9.0	**7945**	2021-11-22T17:02:30	5.7
115	2021-10-27T09:30:30	6.0	**2726**	2021-11-05T01:06:35	5.8	**5336**	2021-11-13T20:02:03	9.0	**7946**	2021-11-22T17:07:31	5.4
116	2021-10-27T09:35:30	6.0	**2727**	2021-11-05T01:11:35	5.6	**5337**	2021-11-13T20:05:00	nan	**7947**	2021-11-22T17:12:31	5.3
117	2021-10-27T09:40:30	5.4	**2728**	2021-11-05T01:16:36	5.4	**5338**	2021-11-13T20:07:03	9.1	**7948**	2021-11-22T17:15:00	nan
118	2021-10-27T09:45:30	4.7	**2729**	2021-11-05T01:21:35	5.5	**5339**	2021-11-13T20:12:02	8.8	**7949**	2021-11-22T17:17:30	5.3
119	2021-10-27T09:50:29	4.1	**2730**	2021-11-05T01:26:35	5.8	**5340**	2021-11-13T20:17:03	8.9	**7950**	2021-11-22T17:22:31	5.3
120	2021-10-27T09:55:30	3.7	**2731**	2021-11-05T01:31:36	6.1	**5341**	2021-11-13T20:22:03	9.0	**7951**	2021-11-22T17:26:00	nan
121	2021-10-27T10:00:30	3.7	**2732**	2021-11-05T01:36:34	6.2	**5342**	2021-11-13T20:27:02	9.6	**7952**	2021-11-22T17:27:31	5.5
122	2021-10-27T10:05:30	3.8	**2733**	2021-11-05T01:41:36	6.2	**5343**	2021-11-13T20:32:02	9.8	**7953**	2021-11-22T17:32:31	5.7
123	2021-10-27T10:10:30	3.9	**2734**	2021-11-05T01:46:35	6.1	**5344**	2021-11-13T20:37:02	9.9	**7954**	2021-11-22T17:37:31	6.0
124	2021-10-27T10:15:29	4.0	**2735**	2021-11-05T01:51:35	6.0	**5345**	2021-11-13T20:42:02	9.9	**7955**	2021-11-22T17:42:31	6.0
125	2021-10-27T10:20:30	4.5	**2736**	2021-11-05T01:56:35	6.0	**5346**	2021-11-13T20:47:02	9.8	**7956**	2021-11-22T17:47:31	7.2
126	2021-10-27T10:25:30	5.0	**2737**	2021-11-05T02:01:35	6.0	**5347**	2021-11-13T20:49:00	nan	**7957**	2021-11-22T17:52:31	7.5
127	2021-10-27T10:30:29	5.4	**2738**	2021-11-05T02:06:35	5.8	**5348**	2021-11-13T20:52:02	9.8	**7958**	2021-11-22T17:57:31	8.3
128	2021-10-27T10:35:29	5.7	**2739**	2021-11-05T02:11:35	5.7	**5349**	2021-11-13T20:57:03	9.7	**7959**	2021-11-22T18:02:31	8.7
129	2021-10-27T10:40:29	5.8	**2740**	2021-11-05T02:16:36	5.6	**5350**	2021-11-13T21:02:02	9.5	**7960**	2021-11-22T18:07:31	8.5
130	2021-10-27T10:45:30	5.7	**2741**	2021-11-05T02:21:34	5.0	**5351**	2021-11-13T21:07:02	9.0	**7961**	2021-11-22T18:12:30	8.1
131	2021-10-27T10:50:30	5.5	**2742**	2021-11-05T02:26:34	5.0	**5352**	2021-11-13T21:12:03	8.7	**7962**	2021-11-22T18:17:30	8.3
132	2021-10-27T10:55:29	5.2	**2743**	2021-11-05T02:31:34	4.9	**5353**	2021-11-13T21:17:02	8.4	**7963**	2021-11-22T18:22:30	7.6
133	2021-10-27T11:00:30	4.8	**2744**	2021-11-05T02:36:36	4.9	**5354**	2021-11-13T21:22:03	7.9	**7964**	2021-11-22T18:27:31	8.2
134	2021-10-27T11:05:30	4.4	**2745**	2021-11-05T02:41:34	5.1	**5355**	2021-11-13T21:27:02	7.5	**7965**	2021-11-22T18:32:00	nan
135	2021-10-27T11:10:29	4.0	**2746**	2021-11-05T02:46:34	5.2	**5356**	2021-11-13T21:32:00	nan	**7966**	2021-11-22T18:32:30	7.8
136	2021-10-27T11:15:30	3.7	**2747**	2021-11-05T02:51:34	5.3	**5357**	2021-11-13T21:32:03	7.0	**7967**	2021-11-22T18:37:30	7.7
137	2021-10-27T11:20:30	3.6	**2748**	2021-11-05T02:56:36	4.8	**5358**	2021-11-13T21:37:02	6.4	**7968**	2021-11-22T18:42:30	7.5
138	2021-10-27T11:25:30	3.7	**2749**	2021-11-05T03:01:35	4.7	**5359**	2021-11-13T21:42:03	6.0	**7969**	2021-11-22T18:47:30	6.0
139	2021-10-27T11:30:30	4.1	**2750**	2021-11-05T03:06:36	4.8	**5360**	2021-11-13T21:47:03	5.7	**7970**	2021-11-22T18:52:30	6.4
140	2021-10-27T11:35:29	4.3	**2751**	2021-11-05T03:11:34	4.8	**5361**	2021-11-13T21:52:03	5.5	**7971**	2021-11-22T18:57:30	6.4
141	2021-10-27T11:40:30	4.7	**2752**	2021-11-05T03:16:36	4.8	**5362**	2021-11-13T21:57:03	5.4	**7972**	2021-11-22T19:02:30	6.9
142	2021-10-27T11:45:29	5.3	**2753**	2021-11-05T03:21:35	4.8	**5363**	2021-11-13T22:02:03	5.5	**7973**	2021-11-22T19:07:31	5.9
143	2021-10-27T11:50:30	5.9	**2754**	2021-11-05T03:26:35	4.8	**5364**	2021-11-13T22:07:03	5.3	**7974**	2021-11-22T19:12:31	5.8
144	2021-10-27T11:55:30	6.2	**2755**	2021-11-05T03:31:35	4.8	**5365**	2021-11-13T22:12:02	5.1	**7975**	2021-11-22T19:17:31	5.5
145	2021-10-27T12:00:30	6.2	**2756**	2021-11-05T03:36:35	4.8	**5366**	2021-11-13T22:17:03	4.9	**7976**	2021-11-22T19:22:31	4.9
146	2021-10-27T12:05:30	6.1	**2757**	2021-11-05T03:41:36	4.7	**5367**	2021-11-13T22:22:03	4.8	**7977**	2021-11-22T19:27:31	4.6
147	2021-10-27T12:10:30	5.9	**2758**	2021-11-05T03:46:35	4.6	**5368**	2021-11-13T22:27:02	4.8	**7978**	2021-11-22T19:32:31	4.1
148	2021-10-27T12:15:30	5.8	**2759**	2021-11-05T03:51:35	4.6	**5369**	2021-11-13T22:32:03	4.9	**7979**	2021-11-22T19:37:31	2.5
149	2021-10-27T12:20:30	5.8	**2760**	2021-11-05T03:56:35	4.6	**5370**	2021-11-13T22:37:02	4.8	**7980**	2021-11-22T19:42:30	3.4
150	2021-10-27T12:25:30	5.8	**2761**	2021-11-05T04:01:35	4.7	**5371**	2021-11-13T22:42:02	4.8	**7981**	2021-11-22T19:47:31	3.4
151	2021-10-27T12:30:30	5.8	**2762**	2021-11-05T04:06:35	4.7	**5372**	2021-11-13T22:47:03	4.7	**7982**	2021-11-22T19:52:30	3.9
152	2021-10-27T12:35:30	5.8	**2763**	2021-11-05T04:11:35	4.7	**5373**	2021-11-13T22:52:03	4.5	**7983**	2021-11-22T19:55:00	nan
153	2021-10-27T12:40:31	5.8	**2764**	2021-11-05T04:16:36	4.7	**5374**	2021-11-13T22:57:02	4.3	**7984**	2021-11-22T19:57:31	4.9
154	2021-10-27T12:45:30	5.9	**2765**	2021-11-05T04:21:34	4.4	**5375**	2021-11-13T23:02:03	4.2	**7985**	2021-11-22T20:02:31	5.9

155	2021-10-27T12:50:31	5.9	2766	2021-11-05T04:26:35	4.2	5376	2021-11-13T23:07:02	4.1	7986	2021-11-22T20:07:32	5.4
156	2021-10-27T12:55:30	6.1	2767	2021-11-05T04:31:34	4.0	5377	2021-11-13T23:12:03	4.0	7987	2021-11-22T20:12:31	5.4
157	2021-10-27T13:00:30	6.3	2768	2021-11-05T04:36:34	4.1	5378	2021-11-13T23:17:02	4.0	7988	2021-11-22T20:17:31	5.7
158	2021-10-27T13:05:30	6.7	2769	2021-11-05T04:41:35	4.2	5379	2021-11-13T23:22:03	4.0	7989	2021-11-22T20:22:31	6.2
159	2021-10-27T13:10:30	7.4	2770	2021-11-05T04:46:36	4.1	5380	2021-11-13T23:27:03	4.0	7990	2021-11-22T20:27:31	5.2
160	2021-10-27T13:15:30	8.0	2771	2021-11-05T04:51:35	3.8	5381	2021-11-13T23:32:00	nan	7991	2021-11-22T21:25:00	nan
161	2021-10-27T13:20:30	8.3	2772	2021-11-05T04:56:34	3.6	5382	2021-11-13T23:32:03	3.9	7992	2021-11-22T21:27:32	11.0
162	2021-10-27T13:25:30	8.2	2773	2021-11-05T05:01:35	3.5	5383	2021-11-13T23:37:03	4.0	7993	2021-11-22T22:50:00	nan
163	2021-10-27T13:30:30	7.7	2774	2021-11-05T05:06:35	3.4	5384	2021-11-13T23:42:03	3.9	7994	2021-11-23T00:57:32	14.5
164	2021-10-27T13:35:30	7.2	2775	2021-11-05T05:07:00	nan	5385	2021-11-13T23:47:02	3.7	7995	2021-11-23T01:02:31	14.6
165	2021-10-27T13:40:30	6.9	2776	2021-11-05T05:11:34	3.8	5386	2021-11-13T23:52:03	4.1	7996	2021-11-23T01:07:32	14.5
166	2021-10-27T13:45:30	6.8	2777	2021-11-05T05:15:00	nan	5387	2021-11-13T23:53:00	nan	7997	2021-11-23T01:12:32	14.4
167	2021-10-27T13:50:30	6.7	2778	2021-11-05T05:16:36	4.1	5388	2021-11-13T23:57:03	5.3	7998	2021-11-23T01:17:32	14.3
168	2021-10-27T13:55:31	6.5	2779	2021-11-05T05:21:35	4.0	5389	2021-11-14T00:02:03	6.8	7999	2021-11-23T01:22:32	14.0
169	2021-10-27T14:00:30	6.4	2780	2021-11-05T05:26:36	3.9	5390	2021-11-14T00:07:03	7.7	8000	2021-11-23T01:27:32	13.4
170	2021-10-27T14:05:30	6.1	2781	2021-11-05T05:31:35	3.8	5391	2021-11-14T00:12:03	8.4	8001	2021-11-23T01:32:31	13.4
171	2021-10-27T14:10:31	5.8	2782	2021-11-05T05:36:37	4.0	5392	2021-11-14T00:17:03	9.2	8002	2021-11-23T01:37:32	13.3
172	2021-10-27T14:15:30	5.7	2783	2021-11-05T05:41:35	4.4	5393	2021-11-14T00:22:03	9.5	8003	2021-11-23T01:42:32	13.3
173	2021-10-27T14:20:30	5.5	2784	2021-11-05T05:46:35	5.2	5394	2021-11-14T00:27:03	9.3	8004	2021-11-23T01:47:32	13.3
174	2021-10-27T14:25:31	5.3	2785	2021-11-05T05:51:36	5.4	5395	2021-11-14T00:32:03	8.9	8005	2021-11-23T01:52:32	13.3
175	2021-10-27T14:30:30	5.2	2786	2021-11-05T05:56:36	5.4	5396	2021-11-14T00:37:03	9.2	8006	2021-11-23T01:57:33	13.2
176	2021-10-27T14:35:31	4.9	2787	2021-11-05T06:01:34	6.0	5397	2021-11-14T00:42:03	7.8	8007	2021-11-23T02:02:31	13.1
177	2021-10-27T14:40:31	5.0	2788	2021-11-05T06:06:35	6.8	5398	2021-11-14T00:47:03	6.7	8008	2021-11-23T02:07:32	12.7
178	2021-10-27T14:45:30	4.9	2789	2021-11-05T06:11:37	6.3	5399	2021-11-14T00:52:03	5.7	8009	2021-11-23T02:12:32	11.7
179	2021-10-27T14:50:30	4.9	2790	2021-11-05T06:16:36	5.8	5400	2021-11-14T00:57:03	5.5	8010	2021-11-23T02:17:32	12.0
180	2021-10-27T14:55:30	4.9	2791	2021-11-05T06:21:35	5.8	5401	2021-11-14T01:02:03	5.7	8011	2021-11-23T02:22:31	11.9
181	2021-10-27T15:00:31	5.0	2792	2021-11-05T06:26:35	6.3	5402	2021-11-14T01:07:03	5.6	8012	2021-11-23T02:27:32	11.8
182	2021-10-27T15:05:31	5.0	2793	2021-11-05T06:31:35	6.4	5403	2021-11-14T01:12:03	5.4	8013	2021-11-23T02:32:31	11.5
183	2021-10-27T15:10:30	5.2	2794	2021-11-05T06:36:34	6.3	5404	2021-11-14T01:17:04	5.1	8014	2021-11-23T02:37:32	11.4
184	2021-10-27T15:15:31	5.4	2795	2021-11-05T06:41:35	6.3	5405	2021-11-14T01:22:03	5.2	8015	2021-11-23T02:42:32	11.7
185	2021-10-27T15:20:30	5.4	2796	2021-11-05T06:46:37	6.2	5406	2021-11-14T01:27:04	5.2	8016	2021-11-23T02:47:32	11.7
186	2021-10-27T15:25:29	5.4	2797	2021-11-05T06:51:35	6.2	5407	2021-11-14T01:32:03	5.1	8017	2021-11-23T02:52:32	10.9
187	2021-10-27T15:30:30	5.6	2798	2021-11-05T06:56:35	6.1	5408	2021-11-14T01:37:03	4.9	8018	2021-11-23T02:57:32	10.7
188	2021-10-27T15:35:30	5.8	2799	2021-11-05T07:01:35	6.0	5409	2021-11-14T01:42:03	4.9	8019	2021-11-23T03:02:32	10.4
189	2021-10-27T15:40:29	6.0	2800	2021-11-05T07:06:35	6.0	5410	2021-11-14T01:47:03	5.1	8020	2021-11-23T03:07:32	10.3
190	2021-10-27T15:45:30	6.1	2801	2021-11-05T07:11:36	5.9	5411	2021-11-14T01:52:03	5.3	8021	2021-11-23T03:12:32	10.2
191	2021-10-27T15:50:30	6.2	2802	2021-11-05T07:16:37	5.8	5412	2021-11-14T01:57:03	5.6	8022	2021-11-23T03:17:32	10.7
192	2021-10-27T15:55:30	6.2	2803	2021-11-05T07:21:35	5.8	5413	2021-11-14T02:02:03	5.9	8023	2021-11-23T03:22:32	11.1
193	2021-10-27T16:00:30	6.3	2804	2021-11-05T07:26:35	5.8	5414	2021-11-14T02:07:04	6.4	8024	2021-11-23T03:27:32	11.5
194	2021-10-27T16:05:30	6.3	2805	2021-11-05T07:31:36	6.0	5415	2021-11-14T02:12:03	7.0	8025	2021-11-23T03:32:32	11.2
195	2021-10-27T16:10:30	6.2	2806	2021-11-05T07:36:35	5.7	5416	2021-11-14T02:17:04	7.4	8026	2021-11-23T03:37:32	9.9
196	2021-10-27T16:15:30	6.0	2807	2021-11-05T07:41:00	nan	5417	2021-11-14T02:22:04	7.9	8027	2021-11-23T03:42:32	8.4
197	2021-10-27T16:20:31	5.8	2808	2021-11-05T07:41:36	5.2	5418	2021-11-14T02:27:04	8.4	8028	2021-11-23T03:47:32	6.5
198	2021-10-27T16:25:30	5.7	2809	2021-11-05T07:46:35	5.6	5419	2021-11-14T02:32:03	8.9	8029	2021-11-23T03:52:32	4.8
199	2021-10-27T16:30:31	5.7	2810	2021-11-05T07:51:00	nan	5420	2021-11-14T02:37:03	9.5	8030	2021-11-23T03:57:32	4.1
200	2021-10-27T16:35:31	5.8	2811	2021-11-05T07:51:35	5.7	5421	2021-11-14T02:42:03	10.0	8031	2021-11-23T04:02:33	4.9
201	2021-10-27T16:40:30	6.0	2812	2021-11-05T07:56:36	5.7	5422	2021-11-14T02:47:04	10.6	8032	2021-11-23T04:07:33	6.3
202	2021-10-27T16:45:30	5.9	2813	2021-11-05T08:01:36	5.6	5423	2021-11-14T02:52:03	11.2	8033	2021-11-23T04:12:31	7.5
203	2021-10-27T16:50:30	5.8	2814	2021-11-05T08:06:35	5.7	5424	2021-11-14T02:57:04	11.5	8034	2021-11-23T04:17:32	8.0
204	2021-10-27T16:55:31	5.8	2815	2021-11-05T08:11:36	5.7	5425	2021-11-14T02:58:00	nan	8035	2021-11-23T04:22:31	7.5
205	2021-10-27T17:00:31	5.9	2816	2021-11-05T08:16:36	5.7	5426	2021-11-14T03:02:04	11.7	8036	2021-11-23T04:27:33	6.8
206	2021-10-27T17:05:31	6.2	2817	2021-11-05T08:18:00	nan	5427	2021-11-14T03:07:03	11.3	8037	2021-11-23T04:32:32	7.3
207	2021-10-27T17:06:00	nan	2818	2021-11-05T08:21:35	5.6	5428	2021-11-14T03:12:03	11.3	8038	2021-11-23T04:37:32	7.5
208	2021-10-27T17:10:30	6.4	2819	2021-11-05T08:26:35	5.7	5429	2021-11-14T03:17:04	12.0	8039	2021-11-23T04:42:32	7.7
209	2021-10-27T17:15:30	6.9	2820	2021-11-05T08:31:35	5.5	5430	2021-11-14T03:22:03	12.4	8040	2021-11-23T04:47:31	7.6

210	2021-10-27T17:20:30	7.4	2821	2021-11-05T08:36:35	5.5	5431	2021-11-14T03:27:04	12.8	8041	2021-11-23T04:52:32	7.2
211	2021-10-27T17:25:30	8.2	2822	2021-11-05T08:41:35	5.7	5432	2021-11-14T03:32:03	13.2	8042	2021-11-23T04:57:32	7.2
212	2021-10-27T17:30:30	9.0	2823	2021-11-05T08:46:35	6.3	5433	2021-11-14T03:37:04	13.5	8043	2021-11-23T05:02:32	7.9
213	2021-10-27T17:35:31	9.8	2824	2021-11-05T08:51:35	6.7	5434	2021-11-14T03:42:04	13.8	8044	2021-11-23T05:07:33	7.9
214	2021-10-27T17:40:30	10.3	2825	2021-11-05T08:56:35	7.0	5435	2021-11-14T03:47:03	14.0	8045	2021-11-23T05:12:32	7.8
215	2021-10-27T17:45:31	10.6	2826	2021-11-05T09:01:37	7.2	5436	2021-11-14T03:52:03	13.8	8046	2021-11-23T05:17:32	7.8
216	2021-10-27T17:50:30	10.8	2827	2021-11-05T09:06:36	8.0	5437	2021-11-14T03:57:03	13.0	8047	2021-11-23T05:22:33	7.3
217	2021-10-27T17:55:30	10.9	2828	2021-11-05T09:11:35	8.3	5438	2021-11-14T04:02:03	13.2	8048	2021-11-23T05:27:32	6.8
218	2021-10-27T18:00:30	10.8	2829	2021-11-05T09:16:37	8.0	5439	2021-11-14T04:07:03	13.2	8049	2021-11-23T05:32:33	6.7
219	2021-10-27T18:02:00	nan	2830	2021-11-05T09:21:35	7.9	5440	2021-11-14T04:12:04	13.4	8050	2021-11-23T05:37:33	6.5
220	2021-10-27T18:03:00	nan	2831	2021-11-05T09:26:36	7.7	5441	2021-11-14T04:17:03	13.5	8051	2021-11-23T05:42:33	6.5
221	2021-10-27T18:05:31	10.7	2832	2021-11-05T09:31:36	7.8	5442	2021-11-14T04:22:03	13.7	8052	2021-11-23T05:47:32	6.7
222	2021-10-27T18:10:31	10.7	2833	2021-11-05T09:36:36	8.0	5443	2021-11-14T04:27:03	13.9	8053	2021-11-23T05:52:33	6.2
223	2021-10-27T18:15:31	10.8	2834	2021-11-05T09:41:35	8.1	5444	2021-11-14T04:32:03	13.8	8054	2021-11-23T05:57:32	5.7
224	2021-10-27T18:20:30	10.9	2835	2021-11-05T09:46:36	8.1	5445	2021-11-14T04:37:04	13.7	8055	2021-11-23T06:02:32	5.3
225	2021-10-27T18:25:31	10.9	2836	2021-11-05T09:51:36	7.9	5446	2021-11-14T04:42:03	13.7	8056	2021-11-23T06:07:33	5.1
226	2021-10-27T18:30:30	10.9	2837	2021-11-05T09:56:36	7.9	5447	2021-11-14T04:47:04	12.6	8057	2021-11-23T06:12:32	4.8
227	2021-10-27T18:35:31	10.8	2838	2021-11-05T10:01:36	7.9	5448	2021-11-14T04:52:03	11.8	8058	2021-11-23T06:17:33	4.6
228	2021-10-27T18:40:30	10.4	2839	2021-11-05T10:06:36	7.8	5449	2021-11-14T04:57:04	11.5	8059	2021-11-23T06:22:32	4.4
229	2021-10-27T18:45:31	9.8	2840	2021-11-05T10:11:36	8.0	5450	2021-11-14T05:02:03	11.5	8060	2021-11-23T06:27:33	4.2
230	2021-10-27T18:50:30	9.2	2841	2021-11-05T10:16:37	7.9	5451	2021-11-14T05:07:03	11.7	8061	2021-11-23T06:32:33	3.9
231	2021-10-27T18:55:31	8.8	2842	2021-11-05T10:17:00	nan	5452	2021-11-14T05:12:04	12.0	8062	2021-11-23T06:37:33	3.8
232	2021-10-27T19:00:31	8.5	2843	2021-11-05T10:21:35	8.0	5453	2021-11-14T05:17:04	12.3	8063	2021-11-23T06:42:33	3.7
233	2021-10-27T19:05:31	8.2	2844	2021-11-05T10:26:35	7.8	5454	2021-11-14T05:22:03	12.5	8064	2021-11-23T06:47:32	4.8
234	2021-10-27T19:10:31	7.8	2845	2021-11-05T10:31:37	7.8	5455	2021-11-14T05:27:03	12.7	8065	2021-11-23T06:52:32	5.5
235	2021-10-27T19:15:31	7.6	2846	2021-11-05T10:36:36	7.7	5456	2021-11-14T05:32:03	13.0	8066	2021-11-23T06:57:33	6.4
236	2021-10-27T19:20:30	7.5	2847	2021-11-05T10:41:36	7.7	5457	2021-11-14T05:37:04	13.3	8067	2021-11-23T07:02:33	6.4
237	2021-10-27T19:25:31	7.5	2848	2021-11-05T10:46:36	7.6	5458	2021-11-14T05:42:04	13.4	8068	2021-11-23T07:07:33	6.2
238	2021-10-27T19:30:31	7.6	2849	2021-11-05T10:51:36	7.4	5459	2021-11-14T05:47:04	13.7	8069	2021-11-23T07:12:32	6.4
239	2021-10-27T19:35:30	7.6	2850	2021-11-05T10:56:36	7.0	5460	2021-11-14T05:52:04	15.7	8070	2021-11-23T07:17:32	6.0
240	2021-10-27T19:40:31	7.7	2851	2021-11-05T11:01:37	6.8	5461	2021-11-14T05:57:04	15.5	8071	2021-11-23T07:22:33	5.8
241	2021-10-27T19:45:31	8.2	2852	2021-11-05T11:06:36	6.5	5462	2021-11-14T06:02:04	15.2	8072	2021-11-23T07:27:33	6.0
242	2021-10-27T19:50:31	8.3	2853	2021-11-05T11:11:36	6.1	5463	2021-11-14T06:07:04	15.0	8073	2021-11-23T07:32:33	5.9
243	2021-10-27T19:55:31	8.4	2854	2021-11-05T11:16:37	5.7	5464	2021-11-14T06:11:00	nan	8074	2021-11-23T07:37:32	6.2
244	2021-10-27T20:00:31	8.3	2855	2021-11-05T11:21:36	5.3	5465	2021-11-14T06:12:04	14.1	8075	2021-11-23T07:42:33	5.7
245	2021-10-27T20:05:31	8.5	2856	2021-11-05T11:26:36	4.8	5466	2021-11-14T06:17:04	12.8	8076	2021-11-23T07:44:00	nan
246	2021-10-27T20:10:31	8.4	2857	2021-11-05T11:31:36	4.4	5467	2021-11-14T06:22:04	12.7	8077	2021-11-23T07:47:32	5.6
247	2021-10-27T20:15:31	8.3	2858	2021-11-05T11:36:36	4.0	5468	2021-11-14T06:27:04	12.6	8078	2021-11-23T07:52:33	5.8
248	2021-10-27T20:20:31	8.2	2859	2021-11-05T11:41:36	3.7	5469	2021-11-14T06:32:04	12.5	8079	2021-11-23T07:57:33	6.5
249	2021-10-27T20:22:00	nan	2860	2021-11-05T11:46:35	3.4	5470	2021-11-14T06:37:04	12.8	8080	2021-11-23T08:02:32	6.7
250	2021-10-27T20:22:00	nan	2861	2021-11-05T11:51:36	3.3	5471	2021-11-14T06:42:03	12.9	8081	2021-11-23T08:07:32	7.8
251	2021-10-27T20:25:31	8.0	2862	2021-11-05T11:56:36	3.2	5472	2021-11-14T06:47:04	12.6	8082	2021-11-23T08:12:33	7.9
252	2021-10-27T20:30:31	7.7	2863	2021-11-05T12:01:00	nan	5473	2021-11-14T06:52:03	12.3	8083	2021-11-23T08:17:32	8.0
253	2021-10-27T20:35:31	7.5	2864	2021-11-05T12:01:35	3.2	5474	2021-11-14T06:57:04	11.8	8084	2021-11-23T08:22:32	7.3
254	2021-10-27T20:40:31	7.4	2865	2021-11-05T12:06:36	3.2	5475	2021-11-14T07:02:04	11.3	8085	2021-11-23T08:27:33	7.2
255	2021-10-27T20:45:31	7.2	2866	2021-11-05T12:11:36	3.3	5476	2021-11-14T07:07:04	11.0	8086	2021-11-23T08:32:33	7.4
256	2021-10-27T20:50:31	7.3	2867	2021-11-05T12:16:37	3.8	5477	2021-11-14T07:12:04	10.8	8087	2021-11-23T08:37:33	7.2
257	2021-10-27T20:55:31	7.2	2868	2021-11-05T12:21:36	4.4	5478	2021-11-14T07:17:04	10.4	8088	2021-11-23T08:42:33	7.0
258	2021-10-27T21:00:31	6.8	2869	2021-11-05T12:26:36	5.1	5479	2021-11-14T07:22:03	9.7	8089	2021-11-23T08:47:33	6.8
259	2021-10-27T21:05:31	6.0	2870	2021-11-05T12:31:36	5.6	5480	2021-11-14T07:27:04	9.1	8090	2021-11-23T08:52:33	6.9
260	2021-10-27T21:10:30	5.2	2871	2021-11-05T12:36:36	5.9	5481	2021-11-14T07:32:04	8.5	8091	2021-11-23T08:57:32	6.8
261	2021-10-27T21:15:31	4.6	2872	2021-11-05T12:41:36	5.9	5482	2021-11-14T07:37:05	8.0	8092	2021-11-23T09:02:33	7.4
262	2021-10-27T21:20:30	4.2	2873	2021-11-05T12:44:00	nan	5483	2021-11-14T07:42:05	7.6	8093	2021-11-23T09:07:34	7.8
263	2021-10-27T21:25:00	nan	2874	2021-11-05T12:45:00	nan	5484	2021-11-14T07:47:04	7.2	8094	2021-11-23T09:12:33	7.8

264	2021-10-27T21:25:30	3.9	**2875**	2021-11-05T12:46:36	5.8	**5485**	2021-11-14T07:52:04	6.7	**8095**	2021-11-23T09:17:33	7.9
265	2021-10-27T21:30:30	3.5	**2876**	2021-11-05T12:51:37	5.7	**5486**	2021-11-14T07:57:03	6.4	**8096**	2021-11-23T09:22:33	8.2
266	2021-10-27T21:35:30	3.2	**2877**	2021-11-05T12:56:36	5.6	**5487**	2021-11-14T08:02:04	6.2	**8097**	2021-11-23T09:27:32	8.3
267	2021-10-27T21:40:30	3.1	**2878**	2021-11-05T13:01:36	5.8	**5488**	2021-11-14T08:07:05	6.0	**8098**	2021-11-23T09:32:33	8.1
268	2021-10-27T21:45:30	3.0	**2879**	2021-11-05T13:06:36	6.2	**5489**	2021-11-14T08:12:04	5.8	**8099**	2021-11-23T09:37:33	7.8
269	2021-10-27T21:47:00	nan	**2880**	2021-11-05T13:11:36	7.2	**5490**	2021-11-14T08:17:04	5.6	**8100**	2021-11-23T09:42:33	7.7
270	2021-10-27T21:50:31	3.0	**2881**	2021-11-05T13:16:37	7.7	**5491**	2021-11-14T08:22:04	5.5	**8101**	2021-11-23T09:47:33	7.8
271	2021-10-27T21:55:30	3.3	**2882**	2021-11-05T13:21:36	7.7	**5492**	2021-11-14T08:27:05	5.3	**8102**	2021-11-23T09:52:32	7.7
272	2021-10-27T22:00:30	3.8	**2883**	2021-11-05T13:26:36	7.6	**5493**	2021-11-14T08:32:04	5.1	**8103**	2021-11-23T09:57:33	7.7
273	2021-10-27T22:05:31	4.3	**2884**	2021-11-05T13:31:36	7.1	**5494**	2021-11-14T08:37:04	4.2	**8104**	2021-11-23T10:02:33	7.4
274	2021-10-27T22:10:31	4.6	**2885**	2021-11-05T13:36:36	6.7	**5495**	2021-11-14T08:42:04	3.6	**8105**	2021-11-23T10:07:34	7.2
275	2021-10-27T22:15:31	4.6	**2886**	2021-11-05T13:41:38	6.4	**5496**	2021-11-14T08:47:04	3.1	**8106**	2021-11-23T10:12:33	7.0
276	2021-10-27T22:20:31	4.5	**2887**	2021-11-05T13:46:37	6.3	**5497**	2021-11-14T08:50:00	nan	**8107**	2021-11-23T10:17:33	7.3
277	2021-10-27T22:25:31	4.5	**2888**	2021-11-05T13:51:38	6.3	**5498**	2021-11-14T08:52:04	2.9	**8108**	2021-11-23T10:22:33	7.3
278	2021-10-27T22:30:31	4.6	**2889**	2021-11-05T13:56:37	6.3	**5499**	2021-11-14T08:57:04	3.4	**8109**	2021-11-23T10:27:33	7.3
279	2021-10-27T22:35:31	4.6	**2890**	2021-11-05T14:01:36	6.3	**5500**	2021-11-14T09:02:04	3.6	**8110**	2021-11-23T10:32:33	7.1
280	2021-10-27T22:40:30	4.4	**2891**	2021-11-05T14:06:36	6.2	**5501**	2021-11-14T09:07:04	3.5	**8111**	2021-11-23T10:33:00	nan
281	2021-10-27T22:45:30	4.4	**2892**	2021-11-05T14:08:00	nan	**5502**	2021-11-14T09:12:04	3.5	**8112**	2021-11-23T10:33:00	nan
282	2021-10-27T22:50:30	4.4	**2893**	2021-11-05T14:11:36	6.0	**5503**	2021-11-14T09:17:04	3.7	**8113**	2021-11-23T10:37:33	7.2
283	2021-10-27T22:55:31	4.4	**2894**	2021-11-05T14:16:37	5.9	**5504**	2021-11-14T09:22:04	4.2	**8114**	2021-11-23T10:42:33	7.1
284	2021-10-27T23:00:31	4.6	**2895**	2021-11-05T14:21:36	5.9	**5505**	2021-11-14T09:27:04	4.4	**8115**	2021-11-23T10:47:33	7.0
285	2021-10-27T23:05:31	5.0	**2896**	2021-11-05T14:26:36	6.2	**5506**	2021-11-14T09:32:04	5.0	**8116**	2021-11-23T10:52:34	7.0
286	2021-10-27T23:10:31	5.5	**2897**	2021-11-05T14:31:36	6.6	**5507**	2021-11-14T09:37:04	5.9	**8117**	2021-11-23T10:57:33	7.0
287	2021-10-27T23:13:00	nan	**2898**	2021-11-05T14:36:36	6.8	**5508**	2021-11-14T09:42:03	5.7	**8118**	2021-11-23T11:02:34	7.0
288	2021-10-27T23:15:31	5.7	**2899**	2021-11-05T14:41:35	6.9	**5509**	2021-11-14T09:47:04	5.6	**8119**	2021-11-23T11:07:33	7.0
289	2021-10-27T23:20:31	5.9	**2900**	2021-11-05T14:43:00	nan	**5510**	2021-11-14T09:52:04	6.6	**8120**	2021-11-23T11:12:33	6.9
290	2021-10-27T23:25:31	6.3	**2901**	2021-11-05T14:46:36	7.3	**5511**	2021-11-14T09:57:04	7.2	**8121**	2021-11-23T11:17:33	6.8
291	2021-10-27T23:30:31	6.5	**2902**	2021-11-05T14:51:36	7.2	**5512**	2021-11-14T10:02:04	7.1	**8122**	2021-11-23T11:22:33	6.8
292	2021-10-27T23:35:31	7.0	**2903**	2021-11-05T14:56:36	7.1	**5513**	2021-11-14T10:07:04	7.0	**8123**	2021-11-23T11:27:33	6.7
293	2021-10-27T23:40:31	7.3	**2904**	2021-11-05T15:01:36	6.8	**5514**	2021-11-14T10:12:04	7.0	**8124**	2021-11-23T11:32:34	6.5
294	2021-10-27T23:45:31	7.6	**2905**	2021-11-05T15:06:36	6.4	**5515**	2021-11-14T10:17:04	6.7	**8125**	2021-11-23T11:37:33	6.4
295	2021-10-27T23:50:31	7.7	**2906**	2021-11-05T15:11:35	6.0	**5516**	2021-11-14T10:20:00	nan	**8126**	2021-11-23T11:42:33	6.0
296	2021-10-27T23:55:32	8.1	**2907**	2021-11-05T15:16:37	6.0	**5517**	2021-11-14T10:22:04	6.4	**8127**	2021-11-23T11:47:34	5.9
297	2021-10-28T00:00:31	8.4	**2908**	2021-11-05T15:21:36	6.0	**5518**	2021-11-14T10:27:04	6.5	**8128**	2021-11-23T11:52:32	5.8
298	2021-10-28T00:05:31	8.6	**2909**	2021-11-05T15:26:36	6.4	**5519**	2021-11-14T10:32:04	6.3	**8129**	2021-11-23T11:57:32	5.7
299	2021-10-28T00:10:31	8.8	**2910**	2021-11-05T15:31:36	6.7	**5520**	2021-11-14T10:37:04	6.3	**8130**	2021-11-23T12:02:33	5.6
300	2021-10-28T00:15:32	9.2	**2911**	2021-11-05T15:36:36	7.4	**5521**	2021-11-14T10:42:04	6.3	**8131**	2021-11-23T12:07:33	5.7
301	2021-10-28T00:20:31	9.4	**2912**	2021-11-05T15:41:37	8.3	**5522**	2021-11-14T10:47:04	6.4	**8132**	2021-11-23T12:12:33	5.9
302	2021-10-28T00:25:32	9.6	**2913**	2021-11-05T15:46:36	9.0	**5523**	2021-11-14T10:48:00	nan	**8133**	2021-11-23T12:17:33	6.0
303	2021-10-28T00:30:32	10.0	**2914**	2021-11-05T15:51:36	9.5	**5524**	2021-11-14T10:52:04	6.5	**8134**	2021-11-23T12:22:33	6.1
304	2021-10-28T00:35:31	10.2	**2915**	2021-11-05T15:56:36	9.7	**5525**	2021-11-14T10:57:04	6.9	**8135**	2021-11-23T12:27:33	6.2
305	2021-10-28T00:40:31	10.4	**2916**	2021-11-05T16:01:36	10.1	**5526**	2021-11-14T11:02:04	7.2	**8136**	2021-11-23T12:32:33	6.0
306	2021-10-28T00:45:31	10.8	**2917**	2021-11-05T16:06:37	10.4	**5527**	2021-11-14T11:07:04	7.9	**8137**	2021-11-23T12:37:33	6.0
307	2021-10-28T00:50:31	11.0	**2918**	2021-11-05T16:11:36	10.5	**5528**	2021-11-14T11:12:04	8.5	**8138**	2021-11-23T12:42:33	6.1
308	2021-10-28T00:55:31	11.4	**2919**	2021-11-05T16:16:37	10.4	**5529**	2021-11-14T11:17:04	9.0	**8139**	2021-11-23T12:47:33	6.3
309	2021-10-28T00:57:00	nan	**2920**	2021-11-05T16:21:36	10.7	**5530**	2021-11-14T11:22:04	9.4	**8140**	2021-11-23T12:52:34	5.9
310	2021-10-28T01:00:31	11.8	**2921**	2021-11-05T16:26:36	9.9	**5531**	2021-11-14T11:27:05	9.4	**8141**	2021-11-23T12:57:33	6.8
311	2021-10-28T01:05:32	12.1	**2922**	2021-11-05T16:31:36	9.9	**5532**	2021-11-14T11:32:05	9.3	**8142**	2021-11-23T13:02:34	7.2
312	2021-10-28T01:10:31	12.3	**2923**	2021-11-05T16:36:36	9.7	**5533**	2021-11-14T11:37:05	9.0	**8143**	2021-11-23T13:07:34	7.2
313	2021-10-28T01:15:32	12.5	**2924**	2021-11-05T16:41:36	9.7	**5534**	2021-11-14T11:42:05	8.5	**8144**	2021-11-23T13:12:33	6.7
314	2021-10-28T01:20:31	12.5	**2925**	2021-11-05T16:46:36	10.0	**5535**	2021-11-14T11:47:04	8.0	**8145**	2021-11-23T13:17:33	6.5
315	2021-10-28T01:25:31	12.4	**2926**	2021-11-05T16:51:39	10.2	**5536**	2021-11-14T11:52:04	7.3	**8146**	2021-11-23T13:22:33	6.2
316	2021-10-28T01:30:31	12.5	**2927**	2021-11-05T16:56:36	10.0	**5537**	2021-11-14T11:57:05	6.7	**8147**	2021-11-23T13:27:34	6.8
317	2021-10-28T01:35:31	12.3	**2928**	2021-11-05T17:01:36	10.3	**5538**	2021-11-14T12:02:05	6.1	**8148**	2021-11-23T13:32:34	7.0
318	2021-10-28T01:40:31	11.9	**2929**	2021-11-05T17:06:36	10.9	**5539**	2021-11-14T12:07:05	5.6	**8149**	2021-11-23T13:37:33	7.2

319	2021-10-28T01:45:31	12.0	**2930**	2021-11-05T17:11:36	11.2	**5540**	2021-11-14T12:12:05	4.9	**8150**	2021-11-23T13:42:33	7.4
320	2021-10-28T01:50:31	12.2	**2931**	2021-11-05T17:16:38	11.4	**5541**	2021-11-14T12:17:05	4.4	**8151**	2021-11-23T13:47:33	8.1
321	2021-10-28T01:55:31	12.4	**2932**	2021-11-05T17:21:36	11.3	**5542**	2021-11-14T12:18:00	nan	**8152**	2021-11-23T13:52:33	8.7
322	2021-10-28T02:00:31	12.7	**2933**	2021-11-05T17:26:37	11.5	**5543**	2021-11-14T12:22:04	3.9	**8153**	2021-11-23T13:57:34	9.0
323	2021-10-28T02:05:31	12.8	**2934**	2021-11-05T17:31:36	11.4	**5544**	2021-11-14T12:27:05	3.4	**8154**	2021-11-23T14:02:34	9.5
324	2021-10-28T02:10:32	12.9	**2935**	2021-11-05T17:36:36	11.5	**5545**	2021-11-14T12:32:05	3.1	**8155**	2021-11-23T14:07:34	9.7
325	2021-10-28T02:15:31	13.1	**2936**	2021-11-05T17:41:37	11.7	**5546**	2021-11-14T12:37:05	2.8	**8156**	2021-11-23T14:12:33	9.8
326	2021-10-28T02:20:30	13.2	**2937**	2021-11-05T17:46:36	11.8	**5547**	2021-11-14T12:42:05	2.7	**8157**	2021-11-23T14:17:34	9.4
327	2021-10-28T02:25:31	13.3	**2938**	2021-11-05T17:47:00	nan	**5548**	2021-11-14T12:47:05	2.7	**8158**	2021-11-23T14:22:34	9.2
328	2021-10-28T02:30:31	13.0	**2939**	2021-11-05T17:51:36	12.4	**5549**	2021-11-14T12:52:05	3.0	**8159**	2021-11-23T14:27:33	9.5
329	2021-10-28T02:35:31	12.8	**2940**	2021-11-05T17:56:37	12.7	**5550**	2021-11-14T12:57:04	3.3	**8160**	2021-11-23T14:32:34	9.0
330	2021-10-28T02:40:31	12.7	**2941**	2021-11-05T18:01:37	13.4	**5551**	2021-11-14T13:02:04	3.5	**8161**	2021-11-23T14:37:34	10.0
331	2021-10-28T02:45:31	12.5	**2942**	2021-11-05T18:04:00	nan	**5552**	2021-11-14T13:07:04	3.7	**8162**	2021-11-23T14:42:34	10.0
332	2021-10-28T02:50:31	12.4	**2943**	2021-11-05T18:06:37	14.0	**5553**	2021-11-14T13:12:04	3.9	**8163**	2021-11-23T14:47:34	9.8
333	2021-10-28T02:55:31	12.3	**2944**	2021-11-05T18:11:37	14.3	**5554**	2021-11-14T13:17:04	4.0	**8164**	2021-11-23T14:52:34	9.6
334	2021-10-28T03:00:31	12.1	**2945**	2021-11-05T18:16:38	14.7	**5555**	2021-11-14T13:22:05	4.1	**8165**	2021-11-23T14:57:33	9.6
335	2021-10-28T03:05:31	11.7	**2946**	2021-11-05T18:21:36	14.8	**5556**	2021-11-14T13:27:04	4.4	**8166**	2021-11-23T15:02:34	10.0
336	2021-10-28T03:10:32	11.6	**2947**	2021-11-05T18:26:37	14.9	**5557**	2021-11-14T13:32:04	4.6	**8167**	2021-11-23T15:07:33	10.5
337	2021-10-28T03:15:32	11.4	**2948**	2021-11-05T18:31:37	14.5	**5558**	2021-11-14T13:37:04	4.7	**8168**	2021-11-23T15:12:34	11.6
338	2021-10-28T03:20:32	11.2	**2949**	2021-11-05T18:36:36	14.4	**5559**	2021-11-14T13:42:04	4.9	**8169**	2021-11-23T15:17:34	11.9
339	2021-10-28T03:25:32	11.1	**2950**	2021-11-05T18:41:37	13.5	**5560**	2021-11-14T13:47:04	5.1	**8170**	2021-11-23T15:21:00	nan
340	2021-10-28T03:30:31	11.1	**2951**	2021-11-05T18:46:37	12.3	**5561**	2021-11-14T13:52:04	5.2	**8171**	2021-11-23T15:22:33	11.8
341	2021-10-28T03:35:31	11.2	**2952**	2021-11-05T18:51:37	10.4	**5562**	2021-11-14T13:57:04	5.2	**8172**	2021-11-23T15:27:34	11.8
342	2021-10-28T03:40:31	11.7	**2953**	2021-11-05T18:56:37	7.9	**5563**	2021-11-14T14:02:04	5.1	**8173**	2021-11-23T15:32:34	12.0
343	2021-10-28T03:45:32	11.6	**2954**	2021-11-05T19:01:37	6.0	**5564**	2021-11-14T14:07:04	5.2	**8174**	2021-11-23T15:37:34	12.2
344	2021-10-28T03:50:32	11.2	**2955**	2021-11-05T19:06:37	4.6	**5565**	2021-11-14T14:12:04	5.2	**8175**	2021-11-23T15:42:34	12.2
345	2021-10-28T03:55:32	11.0	**2956**	2021-11-05T19:11:37	3.8	**5566**	2021-11-14T14:17:04	5.4	**8176**	2021-11-23T15:47:34	11.8
346	2021-10-28T04:00:31	11.0	**2957**	2021-11-05T19:16:39	3.5	**5567**	2021-11-14T14:22:05	5.6	**8177**	2021-11-23T15:52:34	11.3
347	2021-10-28T04:05:32	11.0	**2958**	2021-11-05T19:21:37	3.3	**5568**	2021-11-14T14:26:00	nan	**8178**	2021-11-23T15:57:34	10.7
348	2021-10-28T04:10:32	11.1	**2959**	2021-11-05T19:26:38	3.0	**5569**	2021-11-14T14:27:05	5.7	**8179**	2021-11-23T16:02:35	8.9
349	2021-10-28T04:15:32	11.1	**2960**	2021-11-05T19:31:37	2.9	**5570**	2021-11-14T14:32:05	5.8	**8180**	2021-11-23T16:07:33	8.3
350	2021-10-28T04:20:32	11.1	**2961**	2021-11-05T19:36:38	2.8	**5571**	2021-11-14T14:37:04	5.9	**8181**	2021-11-23T16:12:34	5.8
351	2021-10-28T04:25:31	11.0	**2962**	2021-11-05T19:41:37	2.9	**5572**	2021-11-14T14:42:04	6.0	**8182**	2021-11-23T16:17:34	5.3
352	2021-10-28T04:30:31	10.5	**2963**	2021-11-05T19:46:37	3.1	**5573**	2021-11-14T14:47:04	6.5	**8183**	2021-11-23T16:22:34	4.5
353	2021-10-28T04:35:31	10.4	**2964**	2021-11-05T19:51:37	3.6	**5574**	2021-11-14T14:48:00	nan	**8184**	2021-11-23T16:27:34	3.6
354	2021-10-28T04:40:31	10.3	**2965**	2021-11-05T19:56:37	4.4	**5575**	2021-11-14T14:52:04	7.1	**8185**	2021-11-23T16:32:34	3.7
355	2021-10-28T04:45:31	10.4	**2966**	2021-11-05T20:01:38	5.2	**5576**	2021-11-14T14:57:04	7.8	**8186**	2021-11-23T16:37:33	4.1
356	2021-10-28T04:50:31	10.3	**2967**	2021-11-05T20:06:37	5.6	**5577**	2021-11-14T15:02:04	8.5	**8187**	2021-11-23T16:42:33	3.7
357	2021-10-28T04:55:31	10.1	**2968**	2021-11-05T20:10:00	nan	**5578**	2021-11-14T15:07:04	9.1	**8188**	2021-11-23T16:47:33	3.2
358	2021-10-28T05:00:31	10.0	**2969**	2021-11-05T20:11:37	5.9	**5579**	2021-11-14T15:12:05	9.4	**8189**	2021-11-23T16:49:00	nan
359	2021-10-28T05:05:31	10.3	**2970**	2021-11-05T20:16:38	6.0	**5580**	2021-11-14T15:17:05	9.4	**8190**	2021-11-23T16:52:34	2.9
360	2021-10-28T05:10:32	10.4	**2971**	2021-11-05T20:21:37	6.6	**5581**	2021-11-14T15:20:00	nan	**8191**	2021-11-23T16:57:34	2.8
361	2021-10-28T05:15:32	10.6	**2972**	2021-11-05T20:26:37	6.7	**5582**	2021-11-14T15:20:00	nan	**8192**	2021-11-23T17:02:34	2.7
362	2021-10-28T05:20:32	10.8	**2973**	2021-11-05T20:27:00	nan	**5583**	2021-11-14T15:22:05	9.0	**8193**	2021-11-23T17:07:34	3.1
363	2021-10-28T05:25:32	10.5	**2974**	2021-11-05T20:31:37	6.3	**5584**	2021-11-14T15:27:04	8.4	**8194**	2021-11-23T17:12:00	nan
364	2021-10-28T05:30:32	10.5	**2975**	2021-11-05T20:36:37	6.7	**5585**	2021-11-14T15:32:04	7.5	**8195**	2021-11-23T17:12:35	3.3
365	2021-10-28T05:35:32	10.6	**2976**	2021-11-05T20:41:37	6.9	**5586**	2021-11-14T15:37:04	6.7	**8196**	2021-11-23T17:17:34	4.6
366	2021-10-28T05:40:31	10.6	**2977**	2021-11-05T20:46:38	7.0	**5587**	2021-11-14T15:42:04	5.9	**8197**	2021-11-23T17:22:34	6.0
367	2021-10-28T05:45:31	10.5	**2978**	2021-11-05T20:51:36	7.4	**5588**	2021-11-14T15:47:04	5.5	**8198**	2021-11-23T17:27:34	7.2
368	2021-10-28T05:50:32	10.5	**2979**	2021-11-05T20:56:37	7.3	**5589**	2021-11-14T15:52:04	5.1	**8199**	2021-11-23T17:32:34	7.6
369	2021-10-28T05:55:32	10.5	**2980**	2021-11-05T21:01:36	7.0	**5590**	2021-11-14T15:57:05	4.7	**8200**	2021-11-23T17:37:35	8.0
370	2021-10-28T06:00:32	10.5	**2981**	2021-11-05T21:06:37	6.7	**5591**	2021-11-14T16:02:06	4.2	**8201**	2021-11-23T17:42:34	8.0
371	2021-10-28T06:05:32	10.6	**2982**	2021-11-05T21:11:38	6.2	**5592**	2021-11-14T16:07:05	3.8	**8202**	2021-11-23T17:47:34	7.7
372	2021-10-28T06:10:31	10.4	**2983**	2021-11-05T21:16:39	5.8	**5593**	2021-11-14T16:12:05	3.6	**8203**	2021-11-23T17:52:34	7.4
373	2021-10-28T06:15:32	10.3	**2984**	2021-11-05T21:21:37	5.7	**5594**	2021-11-14T16:17:06	3.3	**8204**	2021-11-23T17:57:34	7.2

374	2021-10-28T06:20:32	10.4	**2985**	2021-11-05T21:26:37	5.4	**5595**	2021-11-14T16:22:05	3.3	**8205**	2021-11-23T18:02:34	7.1
375	2021-10-28T06:25:32	10.6	**2986**	2021-11-05T21:31:37	4.8	**5596**	2021-11-14T16:27:05	3.4	**8206**	2021-11-23T18:07:34	6.9
376	2021-10-28T06:30:32	10.6	**2987**	2021-11-05T21:36:37	4.6	**5597**	2021-11-14T16:32:05	3.7	**8207**	2021-11-23T18:12:34	6.1
377	2021-10-28T06:35:32	10.7	**2988**	2021-11-05T21:41:37	4.4	**5598**	2021-11-14T16:37:04	4.0	**8208**	2021-11-23T18:17:33	5.1
378	2021-10-28T06:40:32	10.7	**2989**	2021-11-05T21:46:37	4.2	**5599**	2021-11-14T16:42:05	4.4	**8209**	2021-11-23T18:22:33	4.3
379	2021-10-28T06:45:32	10.7	**2990**	2021-11-05T21:51:37	3.9	**5600**	2021-11-14T16:47:05	4.9	**8210**	2021-11-23T18:27:33	3.4
380	2021-10-28T06:50:32	10.8	**2991**	2021-11-05T21:56:38	4.1	**5601**	2021-11-14T16:52:05	5.2	**8211**	2021-11-23T18:30:00	nan
381	2021-10-28T06:55:32	10.9	**2992**	2021-11-05T22:01:37	4.0	**5602**	2021-11-14T16:57:05	5.3	**8212**	2021-11-23T18:30:00	nan
382	2021-10-28T07:00:32	11.0	**2993**	2021-11-05T22:06:37	3.9	**5603**	2021-11-14T17:02:04	5.4	**8213**	2021-11-23T18:31:00	nan
383	2021-10-28T07:05:32	11.1	**2994**	2021-11-05T22:11:38	4.0	**5604**	2021-11-14T17:07:04	5.4	**8214**	2021-11-23T18:32:33	3.8
384	2021-10-28T07:10:32	11.2	**2995**	2021-11-05T22:16:37	4.2	**5605**	2021-11-14T17:12:05	5.2	**8215**	2021-11-23T18:37:33	4.6
385	2021-10-28T07:15:31	11.1	**2996**	2021-11-05T22:21:37	4.6	**5606**	2021-11-14T17:17:05	4.8	**8216**	2021-11-23T18:42:34	4.6
386	2021-10-28T07:20:31	11.0	**2997**	2021-11-05T22:26:38	4.7	**5607**	2021-11-14T17:22:05	4.2	**8217**	2021-11-23T18:47:33	5.7
387	2021-10-28T07:25:31	10.9	**2998**	2021-11-05T22:31:38	4.9	**5608**	2021-11-14T17:27:05	4.2	**8218**	2021-11-23T18:52:33	6.8
388	2021-10-28T07:30:32	10.9	**2999**	2021-11-05T22:36:38	4.9	**5609**	2021-11-14T17:32:05	4.1	**8219**	2021-11-23T18:57:33	6.9
389	2021-10-28T07:35:31	10.9	**3000**	2021-11-05T22:41:38	5.3	**5610**	2021-11-14T17:37:04	4.0	**8220**	2021-11-23T19:02:34	7.2
390	2021-10-28T07:40:31	10.8	**3001**	2021-11-05T22:46:38	5.7	**5611**	2021-11-14T17:42:05	4.3	**8221**	2021-11-23T19:07:34	7.5
391	2021-10-28T07:45:31	10.3	**3002**	2021-11-05T22:51:38	6.0	**5612**	2021-11-14T17:47:05	4.9	**8222**	2021-11-23T19:12:35	8.0
392	2021-10-28T07:50:31	10.3	**3003**	2021-11-05T22:56:38	5.9	**5613**	2021-11-14T17:52:05	5.7	**8223**	2021-11-23T19:17:34	8.4
393	2021-10-28T07:55:31	10.4	**3004**	2021-11-05T23:01:38	6.1	**5614**	2021-11-14T17:57:05	6.3	**8224**	2021-11-23T19:22:34	8.9
394	2021-10-28T08:00:31	10.7	**3005**	2021-11-05T23:06:38	6.8	**5615**	2021-11-14T18:02:05	7.2	**8225**	2021-11-23T19:27:33	9.2
395	2021-10-28T08:05:31	10.3	**3006**	2021-11-05T23:11:38	6.9	**5616**	2021-11-14T18:07:05	8.0	**8226**	2021-11-23T19:32:34	9.7
396	2021-10-28T08:10:32	10.5	**3007**	2021-11-05T23:16:38	7.4	**5617**	2021-11-14T18:12:04	9.2	**8227**	2021-11-23T19:37:34	10.2
397	2021-10-28T08:15:32	10.5	**3008**	2021-11-05T23:21:38	8.0	**5618**	2021-11-14T18:17:05	10.1	**8228**	2021-11-23T19:42:34	10.3
398	2021-10-28T08:20:32	10.5	**3009**	2021-11-05T23:26:38	8.3	**5619**	2021-11-14T18:22:05	11.0	**8229**	2021-11-23T19:47:34	9.9
399	2021-10-28T08:25:31	10.5	**3010**	2021-11-05T23:31:38	8.4	**5620**	2021-11-14T18:27:04	11.7	**8230**	2021-11-23T19:52:34	9.9
400	2021-10-28T08:30:31	10.6	**3011**	2021-11-05T23:36:37	9.0	**5621**	2021-11-14T18:32:04	12.2	**8231**	2021-11-23T19:57:33	9.9
401	2021-10-28T08:35:32	10.7	**3012**	2021-11-05T23:41:38	9.2	**5622**	2021-11-14T18:37:05	12.4	**8232**	2021-11-23T20:02:34	10.2
402	2021-10-28T08:40:31	10.7	**3013**	2021-11-05T23:46:38	9.9	**5623**	2021-11-14T18:42:05	12.7	**8233**	2021-11-23T20:05:00	nan
403	2021-10-28T08:45:31	10.8	**3014**	2021-11-05T23:51:38	10.1	**5624**	2021-11-14T18:47:06	12.7	**8234**	2021-11-23T20:07:35	10.6
404	2021-10-28T08:50:32	10.8	**3015**	2021-11-05T23:56:39	9.7	**5625**	2021-11-14T18:52:06	13.1	**8235**	2021-11-23T20:12:34	11.0
405	2021-10-28T08:51:00	nan	**3016**	2021-11-06T00:01:38	10.8	**5626**	2021-11-14T18:57:06	13.3	**8236**	2021-11-23T20:17:35	11.5
406	2021-10-28T08:55:31	10.7	**3017**	2021-11-06T00:06:39	10.5	**5627**	2021-11-14T19:02:06	13.8	**8237**	2021-11-23T20:22:34	11.8
407	2021-10-28T09:00:32	10.8	**3018**	2021-11-06T00:11:38	10.6	**5628**	2021-11-14T19:07:05	14.5	**8238**	2021-11-23T20:27:35	11.5
408	2021-10-28T09:05:32	10.9	**3019**	2021-11-06T00:16:38	11.4	**5629**	2021-11-14T19:12:06	15.3	**8239**	2021-11-23T20:32:34	11.9
409	2021-10-28T09:10:33	10.9	**3020**	2021-11-06T00:21:39	12.0	**5630**	2021-11-14T19:15:00	nan	**8240**	2021-11-23T20:37:34	12.9
410	2021-10-28T09:15:32	10.8	**3021**	2021-11-06T00:26:37	12.1	**5631**	2021-11-14T19:17:06	16.2	**8241**	2021-11-23T20:42:34	13.2
411	2021-10-28T09:20:32	10.8	**3022**	2021-11-06T00:31:37	12.6	**5632**	2021-11-14T19:22:06	16.9	**8242**	2021-11-23T20:47:34	13.6
412	2021-10-28T09:25:32	11.0	**3023**	2021-11-06T00:36:38	12.8	**5633**	2021-11-14T19:27:06	17.2	**8243**	2021-11-23T20:52:35	14.2
413	2021-10-28T09:30:32	11.1	**3024**	2021-11-06T00:41:37	12.9	**5634**	2021-11-14T19:32:05	17.5	**8244**	2021-11-23T20:57:34	14.3
414	2021-10-28T09:35:32	11.2	**3025**	2021-11-06T00:46:38	12.9	**5635**	2021-11-14T19:37:05	17.6	**8245**	2021-11-23T21:02:34	13.6
415	2021-10-28T09:40:33	11.1	**3026**	2021-11-06T00:51:37	12.9	**5636**	2021-11-14T19:42:06	17.7	**8246**	2021-11-23T21:05:00	nan
416	2021-10-28T09:45:32	11.2	**3027**	2021-11-06T00:55:00	nan	**5637**	2021-11-14T19:47:05	17.9	**8247**	2021-11-23T21:05:00	nan
417	2021-10-28T09:50:32	11.1	**3028**	2021-11-06T00:56:37	12.9	**5638**	2021-11-14T19:52:05	18.3	**8248**	2021-11-23T21:07:34	12.5
418	2021-10-28T09:51:00	nan	**3029**	2021-11-06T01:01:38	13.1	**5639**	2021-11-14T19:57:06	18.2	**8249**	2021-11-23T21:12:35	10.9
419	2021-10-28T09:55:32	11.0	**3030**	2021-11-06T01:06:37	13.6	**5640**	2021-11-14T20:02:06	17.9	**8250**	2021-11-23T21:17:34	9.7
420	2021-10-28T10:00:32	10.9	**3031**	2021-11-06T01:11:38	14.0	**5641**	2021-11-14T20:07:05	17.5	**8251**	2021-11-23T21:22:34	9.0
421	2021-10-28T10:05:32	10.9	**3032**	2021-11-06T01:16:37	14.5	**5642**	2021-11-14T20:12:05	17.3	**8252**	2021-11-23T21:27:34	9.0
422	2021-10-28T10:10:33	11.0	**3033**	2021-11-06T01:21:39	14.3	**5643**	2021-11-14T20:17:05	17.6	**8253**	2021-11-23T21:32:35	8.5
423	2021-10-28T10:15:32	11.0	**3034**	2021-11-06T01:26:37	13.4	**5644**	2021-11-14T20:22:06	17.5	**8254**	2021-11-23T21:37:34	7.7
424	2021-10-28T10:20:32	10.9	**3035**	2021-11-06T01:30:00	nan	**5645**	2021-11-14T20:27:06	17.5	**8255**	2021-11-23T21:42:34	7.4
425	2021-10-28T10:25:31	10.8	**3036**	2021-11-06T01:31:37	13.2	**5646**	2021-11-14T20:32:05	17.3	**8256**	2021-11-23T21:47:34	7.8
426	2021-10-28T10:30:32	10.5	**3037**	2021-11-06T01:36:37	14.4	**5647**	2021-11-14T20:37:05	17.2	**8257**	2021-11-23T21:52:34	7.8
427	2021-10-28T10:35:32	10.3	**3038**	2021-11-06T01:41:37	14.6	**5648**	2021-11-14T20:40:00	nan	**8258**	2021-11-23T21:57:34	8.2
428	2021-10-28T10:40:32	10.2	**3039**	2021-11-06T01:46:37	14.5	**5649**	2021-11-14T20:42:05	17.1	**8259**	2021-11-23T22:02:34	8.4

429	2021-10-28T10:45:32	10.1	**3040**	2021-11-06T01:51:37	14.2	**5650**	2021-11-14T20:47:05	17.2	**8260**	2021-11-23T22:07:34	8.5
430	2021-10-28T10:50:32	10.0	**3041**	2021-11-06T01:56:37	13.8	**5651**	2021-11-14T20:52:06	17.4	**8261**	2021-11-23T22:12:35	8.8
431	2021-10-28T10:55:32	9.8	**3042**	2021-11-06T02:01:39	13.0	**5652**	2021-11-14T20:57:05	17.2	**8262**	2021-11-23T22:17:34	7.8
432	2021-10-28T11:00:32	9.7	**3043**	2021-11-06T02:06:37	12.3	**5653**	2021-11-14T21:02:06	16.9	**8263**	2021-11-23T22:22:34	6.7
433	2021-10-28T11:05:32	9.5	**3044**	2021-11-06T02:11:37	11.9	**5654**	2021-11-14T21:07:06	16.4	**8264**	2021-11-23T22:27:34	5.4
434	2021-10-28T11:10:32	9.7	**3045**	2021-11-06T02:16:37	11.5	**5655**	2021-11-14T21:12:05	15.7	**8265**	2021-11-23T22:32:34	5.4
435	2021-10-28T11:15:32	9.7	**3046**	2021-11-06T02:21:38	11.2	**5656**	2021-11-14T21:17:05	14.8	**8266**	2021-11-23T22:37:34	5.6
436	2021-10-28T11:20:31	9.7	**3047**	2021-11-06T02:26:38	11.1	**5657**	2021-11-14T21:22:06	13.8	**8267**	2021-11-23T22:42:35	5.7
437	2021-10-28T11:25:32	9.5	**3048**	2021-11-06T02:31:38	11.0	**5658**	2021-11-14T21:27:06	12.3	**8268**	2021-11-23T22:47:35	6.3
438	2021-10-28T11:30:31	9.6	**3049**	2021-11-06T02:36:37	11.0	**5659**	2021-11-14T21:32:05	10.7	**8269**	2021-11-23T22:52:35	7.3
439	2021-10-28T11:35:31	9.7	**3050**	2021-11-06T02:41:37	11.0	**5660**	2021-11-14T21:37:00	nan	**8270**	2021-11-23T22:57:35	7.2
440	2021-10-28T11:40:32	9.8	**3051**	2021-11-06T02:46:37	11.0	**5661**	2021-11-14T21:37:06	8.9	**8271**	2021-11-23T23:02:35	6.7
441	2021-10-28T11:44:00	nan	**3052**	2021-11-06T02:51:38	11.0	**5662**	2021-11-14T21:42:05	7.4	**8272**	2021-11-23T23:07:35	6.4
442	2021-10-28T11:45:32	9.8	**3053**	2021-11-06T02:56:38	11.0	**5663**	2021-11-14T21:47:06	6.5	**8273**	2021-11-23T23:12:35	6.2
443	2021-10-28T11:50:32	9.8	**3054**	2021-11-06T03:01:38	11.0	**5664**	2021-11-14T21:52:06	6.0	**8274**	2021-11-23T23:17:35	6.0
444	2021-10-28T11:55:31	9.9	**3055**	2021-11-06T03:06:38	10.8	**5665**	2021-11-14T21:57:06	5.9	**8275**	2021-11-23T23:22:35	5.8
445	2021-10-28T12:00:31	9.9	**3056**	2021-11-06T03:11:38	10.7	**5666**	2021-11-14T22:02:06	5.7	**8276**	2021-11-23T23:27:35	5.5
446	2021-10-28T12:05:31	9.8	**3057**	2021-11-06T03:16:38	10.3	**5667**	2021-11-14T22:07:06	5.5	**8277**	2021-11-23T23:32:35	5.2
447	2021-10-28T12:10:33	9.6	**3058**	2021-11-06T03:21:38	10.0	**5668**	2021-11-14T22:12:06	5.3	**8278**	2021-11-23T23:37:35	5.1
448	2021-10-28T12:15:32	9.4	**3059**	2021-11-06T03:26:38	9.9	**5669**	2021-11-14T22:17:05	5.0	**8279**	2021-11-23T23:42:35	4.5
449	2021-10-28T12:20:32	9.1	**3060**	2021-11-06T03:31:39	9.9	**5670**	2021-11-14T22:22:06	4.8	**8280**	2021-11-23T23:47:35	3.9
450	2021-10-28T12:25:32	8.8	**3061**	2021-11-06T03:36:39	9.8	**5671**	2021-11-14T22:27:06	4.9	**8281**	2021-11-23T23:52:35	4.7
451	2021-10-28T12:30:32	8.6	**3062**	2021-11-06T03:41:38	9.7	**5672**	2021-11-14T22:32:06	5.0	**8282**	2021-11-23T23:57:35	5.3
452	2021-10-28T12:35:32	8.3	**3063**	2021-11-06T03:46:38	9.8	**5673**	2021-11-14T22:37:06	5.3	**8283**	2021-11-24T00:02:35	5.4
453	2021-10-28T12:38:00	nan	**3064**	2021-11-06T03:51:39	9.9	**5674**	2021-11-14T22:42:06	5.7	**8284**	2021-11-24T00:07:35	5.3
454	2021-10-28T12:38:00	nan	**3065**	2021-11-06T03:56:38	9.7	**5675**	2021-11-14T22:47:06	6.0	**8285**	2021-11-24T00:12:36	5.2
455	2021-10-28T12:40:32	8.0	**3066**	2021-11-06T04:01:38	9.3	**5676**	2021-11-14T22:52:06	6.3	**8286**	2021-11-24T00:17:35	5.2
456	2021-10-28T12:45:32	7.7	**3067**	2021-11-06T04:06:38	9.0	**5677**	2021-11-14T22:57:06	6.5	**8287**	2021-11-24T00:22:34	5.2
457	2021-10-28T12:50:32	7.4	**3068**	2021-11-06T04:11:38	8.8	**5678**	2021-11-14T23:02:06	6.8	**8288**	2021-11-24T00:27:35	5.2
458	2021-10-28T12:55:32	7.3	**3069**	2021-11-06T04:16:37	8.7	**5679**	2021-11-14T23:07:06	7.1	**8289**	2021-11-24T00:32:34	5.2
459	2021-10-28T13:00:32	7.2	**3070**	2021-11-06T04:21:38	8.6	**5680**	2021-11-14T23:12:06	7.4	**8290**	2021-11-24T00:37:35	5.4
460	2021-10-28T13:05:32	7.0	**3071**	2021-11-06T04:26:37	8.5	**5681**	2021-11-14T23:17:06	7.9	**8291**	2021-11-24T00:42:35	5.8
461	2021-10-28T13:10:33	6.8	**3072**	2021-11-06T04:31:37	8.5	**5682**	2021-11-14T23:22:06	8.2	**8292**	2021-11-24T00:47:35	5.8
462	2021-10-28T13:15:32	6.4	**3073**	2021-11-06T04:36:38	8.5	**5683**	2021-11-14T23:27:06	8.5	**8293**	2021-11-24T00:52:35	5.9
463	2021-10-28T13:20:33	5.9	**3074**	2021-11-06T04:41:38	8.5	**5684**	2021-11-14T23:32:05	8.8	**8294**	2021-11-24T00:57:35	5.8
464	2021-10-28T13:25:33	5.3	**3075**	2021-11-06T04:46:38	8.5	**5685**	2021-11-14T23:37:06	9.2	**8295**	2021-11-24T01:02:34	5.8
465	2021-10-28T13:30:33	4.8	**3076**	2021-11-06T04:51:38	8.7	**5686**	2021-11-14T23:42:06	9.6	**8296**	2021-11-24T01:07:35	5.8
466	2021-10-28T13:35:32	4.6	**3077**	2021-11-06T04:56:38	8.9	**5687**	2021-11-14T23:47:06	9.9	**8297**	2021-11-24T01:12:36	5.7
467	2021-10-28T13:40:32	4.6	**3078**	2021-11-06T05:01:39	9.2	**5688**	2021-11-14T23:52:06	10.2	**8298**	2021-11-24T01:17:35	5.7
468	2021-10-28T13:45:33	4.6	**3079**	2021-11-06T05:06:39	9.2	**5689**	2021-11-14T23:57:06	10.3	**8299**	2021-11-24T01:22:35	5.7
469	2021-10-28T13:50:33	4.5	**3080**	2021-11-06T05:11:39	9.2	**5690**	2021-11-15T00:02:06	10.5	**8300**	2021-11-24T01:27:35	5.7
470	2021-10-28T13:55:32	4.4	**3081**	2021-11-06T05:16:38	9.2	**5691**	2021-11-15T00:07:06	11.4	**8301**	2021-11-24T01:32:35	5.7
471	2021-10-28T14:00:32	4.4	**3082**	2021-11-06T05:21:38	9.3	**5692**	2021-11-15T00:12:06	11.5	**8302**	2021-11-24T01:37:35	5.6
472	2021-10-28T14:05:33	4.3	**3083**	2021-11-06T05:26:38	9.4	**5693**	2021-11-15T00:15:00	nan	**8303**	2021-11-24T01:42:35	5.6
473	2021-10-28T14:10:33	4.3	**3084**	2021-11-06T05:31:38	9.3	**5694**	2021-11-15T00:17:06	12.1	**8304**	2021-11-24T01:47:35	5.3
474	2021-10-28T14:15:32	4.2	**3085**	2021-11-06T05:36:38	9.5	**5695**	2021-11-15T00:22:06	12.3	**8305**	2021-11-24T01:52:35	4.8
475	2021-10-28T14:20:32	4.2	**3086**	2021-11-06T05:41:38	9.6	**5696**	2021-11-15T00:27:06	12.5	**8306**	2021-11-24T01:57:35	4.9
476	2021-10-28T14:25:32	4.2	**3087**	2021-11-06T05:46:38	9.7	**5697**	2021-11-15T00:32:06	12.7	**8307**	2021-11-24T02:02:35	5.0
477	2021-10-28T14:30:32	4.1	**3088**	2021-11-06T05:51:38	9.4	**5698**	2021-11-15T00:37:06	12.5	**8308**	2021-11-24T02:07:35	4.9
478	2021-10-28T14:32:00	nan	**3089**	2021-11-06T05:56:38	9.8	**5699**	2021-11-15T00:42:06	12.8	**8309**	2021-11-24T02:12:36	4.3
479	2021-10-28T14:35:32	3.9	**3090**	2021-11-06T06:01:38	9.9	**5700**	2021-11-15T00:47:06	13.3	**8310**	2021-11-24T02:17:36	3.9
480	2021-10-28T14:37:00	nan	**3091**	2021-11-06T06:06:38	10.2	**5701**	2021-11-15T00:52:00	nan	**8311**	2021-11-24T02:22:35	3.7
481	2021-10-28T14:40:32	3.6	**3092**	2021-11-06T06:11:38	10.3	**5702**	2021-11-15T00:52:06	13.7	**8312**	2021-11-24T02:27:35	3.9
482	2021-10-28T14:45:32	3.3	**3093**	2021-11-06T06:16:38	10.4	**5703**	2021-11-15T00:57:06	13.5	**8313**	2021-11-24T02:32:35	4.7
483	2021-10-28T14:50:32	3.2	**3094**	2021-11-06T06:21:38	10.4	**5704**	2021-11-15T01:02:06	13.1	**8314**	2021-11-24T02:37:36	5.0

484	2021-10-28T14:55:32	3.2	**3095**	2021-11-06T06:26:38	9.9	**5705**	2021-11-15T01:07:06	12.7	**8315**	2021-11-24T02:42:36	5.0
485	2021-10-28T15:00:32	3.7	**3096**	2021-11-06T06:31:38	9.6	**5706**	2021-11-15T01:12:06	12.9	**8316**	2021-11-24T02:47:36	4.9
486	2021-10-28T15:05:32	4.3	**3097**	2021-11-06T06:36:38	10.1	**5707**	2021-11-15T01:17:06	13.3	**8317**	2021-11-24T02:52:35	4.8
487	2021-10-28T15:10:33	4.7	**3098**	2021-11-06T06:41:38	10.3	**5708**	2021-11-15T01:22:06	13.8	**8318**	2021-11-24T02:57:35	4.6
488	2021-10-28T15:15:32	5.0	**3099**	2021-11-06T06:46:38	10.0	**5709**	2021-11-15T01:27:06	13.8	**8319**	2021-11-24T03:02:35	4.4
489	2021-10-28T15:20:33	5.3	**3100**	2021-11-06T06:51:38	9.7	**5710**	2021-11-15T01:32:07	13.7	**8320**	2021-11-24T03:07:35	4.5
490	2021-10-28T15:25:33	5.6	**3101**	2021-11-06T06:56:38	9.8	**5711**	2021-11-15T01:37:07	13.4	**8321**	2021-11-24T03:12:36	4.5
491	2021-10-28T15:30:32	5.9	**3102**	2021-11-06T07:01:38	10.3	**5712**	2021-11-15T01:42:06	13.0	**8322**	2021-11-24T03:17:36	4.6
492	2021-10-28T15:35:32	6.1	**3103**	2021-11-06T07:06:39	11.0	**5713**	2021-11-15T01:47:07	12.7	**8323**	2021-11-24T03:22:35	4.9
493	2021-10-28T15:40:32	6.4	**3104**	2021-11-06T07:11:38	11.3	**5714**	2021-11-15T01:52:07	12.4	**8324**	2021-11-24T03:27:35	4.5
494	2021-10-28T15:45:32	7.0	**3105**	2021-11-06T07:16:38	11.4	**5715**	2021-11-15T01:57:06	12.2	**8325**	2021-11-24T03:32:36	3.3
495	2021-10-28T15:50:32	7.6	**3106**	2021-11-06T07:21:38	11.4	**5716**	2021-11-15T02:02:07	11.7	**8326**	2021-11-24T03:37:35	2.6
496	2021-10-28T15:55:32	8.0	**3107**	2021-11-06T07:26:38	11.4	**5717**	2021-11-15T02:07:06	11.5	**8327**	2021-11-24T03:38:00	nan
497	2021-10-28T16:00:33	8.7	**3108**	2021-11-06T07:31:38	11.5	**5718**	2021-11-15T02:12:07	11.5	**8328**	2021-11-24T03:42:36	2.9
498	2021-10-28T16:05:32	9.4	**3109**	2021-11-06T07:36:38	11.6	**5719**	2021-11-15T02:17:07	11.3	**8329**	2021-11-24T03:47:35	3.6
499	2021-10-28T16:10:33	9.9	**3110**	2021-11-06T07:41:39	11.7	**5720**	2021-11-15T02:22:07	11.2	**8330**	2021-11-24T03:52:35	4.0
500	2021-10-28T16:15:32	10.4	**3111**	2021-11-06T07:46:38	11.7	**5721**	2021-11-15T02:27:07	10.8	**8331**	2021-11-24T03:57:36	3.0
501	2021-10-28T16:20:33	11.1	**3112**	2021-11-06T07:51:39	11.8	**5722**	2021-11-15T02:32:07	10.3	**8332**	2021-11-24T04:02:36	3.6
502	2021-10-28T16:25:33	11.7	**3113**	2021-11-06T07:56:39	11.8	**5723**	2021-11-15T02:37:06	10.0	**8333**	2021-11-24T04:07:36	4.1
503	2021-10-28T16:30:32	12.4	**3114**	2021-11-06T08:01:39	11.9	**5724**	2021-11-15T02:42:07	9.8	**8334**	2021-11-24T04:12:36	4.5
504	2021-10-28T16:32:00	nan	**3115**	2021-11-06T08:06:39	11.9	**5725**	2021-11-15T02:47:07	9.7	**8335**	2021-11-24T04:17:35	5.6
505	2021-10-28T16:35:33	13.3	**3116**	2021-11-06T08:11:39	11.5	**5726**	2021-11-15T02:52:06	9.7	**8336**	2021-11-24T04:22:35	6.8
506	2021-10-28T16:40:32	14.1	**3117**	2021-11-06T08:16:39	11.7	**5727**	2021-11-15T02:57:07	9.7	**8337**	2021-11-24T04:27:35	7.3
507	2021-10-28T16:45:33	14.9	**3118**	2021-11-06T08:21:39	12.0	**5728**	2021-11-15T03:02:06	9.6	**8338**	2021-11-24T04:32:35	7.3
508	2021-10-28T16:50:33	15.6	**3119**	2021-11-06T08:26:39	12.2	**5729**	2021-11-15T03:07:06	9.5	**8339**	2021-11-24T04:37:36	7.2
509	2021-10-28T16:55:33	16.0	**3120**	2021-11-06T08:31:39	12.4	**5730**	2021-11-15T03:12:06	9.4	**8340**	2021-11-24T04:42:35	7.0
510	2021-10-28T17:00:33	16.0	**3121**	2021-11-06T08:36:39	12.2	**5731**	2021-11-15T03:17:07	9.3	**8341**	2021-11-24T04:47:35	6.8
511	2021-10-28T17:01:00	nan	**3122**	2021-11-06T08:41:38	11.9	**5732**	2021-11-15T03:22:06	9.2	**8342**	2021-11-24T04:52:35	6.7
512	2021-10-28T17:02:00	nan	**3123**	2021-11-06T08:46:39	12.0	**5733**	2021-11-15T03:27:06	9.1	**8343**	2021-11-24T04:57:35	6.7
513	2021-10-28T17:05:33	15.9	**3124**	2021-11-06T08:51:38	12.3	**5734**	2021-11-15T03:32:07	9.0	**8344**	2021-11-24T05:02:35	6.5
514	2021-10-28T17:10:33	16.1	**3125**	2021-11-06T08:56:39	12.4	**5735**	2021-11-15T03:37:06	8.9	**8345**	2021-11-24T05:07:35	6.5
515	2021-10-28T17:15:32	16.0	**3126**	2021-11-06T09:01:38	12.7	**5736**	2021-11-15T03:42:07	8.9	**8346**	2021-11-24T05:12:35	7.2
516	2021-10-28T17:20:32	15.8	**3127**	2021-11-06T09:06:38	12.7	**5737**	2021-11-15T03:47:07	8.8	**8347**	2021-11-24T05:17:36	7.2
517	2021-10-28T17:25:32	15.3	**3128**	2021-11-06T09:11:39	13.0	**5738**	2021-11-15T03:52:07	8.3	**8348**	2021-11-24T05:22:36	7.0
518	2021-10-28T17:30:32	15.2	**3129**	2021-11-06T09:16:39	13.4	**5739**	2021-11-15T03:57:07	8.1	**8349**	2021-11-24T05:27:36	6.8
519	2021-10-28T17:35:32	15.0	**3130**	2021-11-06T09:19:00	nan	**5740**	2021-11-15T04:02:07	8.2	**8350**	2021-11-24T05:32:35	6.4
520	2021-10-28T17:40:32	14.5	**3131**	2021-11-06T09:21:39	13.5	**5741**	2021-11-15T04:07:07	8.2	**8351**	2021-11-24T05:37:36	5.6
521	2021-10-28T17:45:32	13.8	**3132**	2021-11-06T09:26:39	13.0	**5742**	2021-11-15T04:12:06	7.8	**8352**	2021-11-24T05:42:36	4.7
522	2021-10-28T17:50:32	12.8	**3133**	2021-11-06T09:31:39	12.7	**5743**	2021-11-15T04:17:07	7.7	**8353**	2021-11-24T05:47:36	4.4
523	2021-10-28T17:55:32	12.0	**3134**	2021-11-06T09:36:39	12.1	**5744**	2021-11-15T04:22:07	7.5	**8354**	2021-11-24T05:52:36	4.6
524	2021-10-28T18:00:32	11.4	**3135**	2021-11-06T09:41:39	11.9	**5745**	2021-11-15T04:27:06	7.5	**8355**	2021-11-24T05:57:35	4.8
525	2021-10-28T18:05:32	10.5	**3136**	2021-11-06T09:46:39	12.0	**5746**	2021-11-15T04:32:07	7.6	**8356**	2021-11-24T06:02:36	4.9
526	2021-10-28T18:10:33	9.4	**3137**	2021-11-06T09:51:38	12.0	**5747**	2021-11-15T04:37:07	7.7	**8357**	2021-11-24T06:07:35	5.2
527	2021-10-28T18:15:33	8.3	**3138**	2021-11-06T09:56:39	11.8	**5748**	2021-11-15T04:42:06	7.7	**8358**	2021-11-24T06:12:36	5.6
528	2021-10-28T18:20:32	7.0	**3139**	2021-11-06T10:01:39	12.4	**5749**	2021-11-15T04:47:07	7.6	**8359**	2021-11-24T06:17:36	5.6
529	2021-10-28T18:25:32	6.2	**3140**	2021-11-06T10:06:39	12.5	**5750**	2021-11-15T04:52:07	7.7	**8360**	2021-11-24T06:22:35	4.6
530	2021-10-28T18:28:00	nan	**3141**	2021-11-06T10:11:38	12.5	**5751**	2021-11-15T04:57:07	7.9	**8361**	2021-11-24T06:27:36	4.8
531	2021-10-28T18:28:00	nan	**3142**	2021-11-06T10:16:38	12.0	**5752**	2021-11-15T05:02:06	8.0	**8362**	2021-11-24T06:32:36	5.9
532	2021-10-28T18:30:32	5.4	**3143**	2021-11-06T10:20:00	nan	**5753**	2021-11-15T05:07:07	8.0	**8363**	2021-11-24T06:37:36	6.4
533	2021-10-28T18:35:33	4.8	**3144**	2021-11-06T10:21:39	11.5	**5754**	2021-11-15T05:12:06	8.1	**8364**	2021-11-24T06:42:36	6.3
534	2021-10-28T18:40:33	4.1	**3145**	2021-11-06T10:26:38	11.9	**5755**	2021-11-15T05:17:07	8.3	**8365**	2021-11-24T06:47:36	6.0
535	2021-10-28T18:45:33	3.5	**3146**	2021-11-06T10:31:38	11.4	**5756**	2021-11-15T05:22:08	8.7	**8366**	2021-11-24T06:52:36	6.2
536	2021-10-28T18:50:33	3.4	**3147**	2021-11-06T10:36:39	11.3	**5757**	2021-11-15T05:27:07	8.6	**8367**	2021-11-24T06:57:35	6.0
537	2021-10-28T18:55:33	3.7	**3148**	2021-11-06T10:41:39	11.2	**5758**	2021-11-15T05:32:07	8.0	**8368**	2021-11-24T07:02:36	4.9
538	2021-10-28T19:00:00	nan	**3149**	2021-11-06T10:46:39	10.5	**5759**	2021-11-15T05:37:07	7.7	**8369**	2021-11-24T07:07:36	4.4

539	2021-10-28T19:00:33	3.9	3150	2021-11-06T10:51:39	9.8	5760	2021-11-15T05:42:07	7.7	8370	2021-11-24T07:12:37	4.6
540	2021-10-28T19:05:32	3.8	3151	2021-11-06T10:56:39	10.2	5761	2021-11-15T05:47:07	7.8	8371	2021-11-24T07:17:36	4.7
541	2021-10-28T19:10:33	3.6	3152	2021-11-06T11:01:39	10.4	5762	2021-11-15T05:52:07	7.9	8372	2021-11-24T07:22:36	5.1
542	2021-10-28T19:15:32	3.4	3153	2021-11-06T11:06:39	10.4	5763	2021-11-15T05:57:07	8.1	8373	2021-11-24T07:27:36	5.3
543	2021-10-28T19:20:32	3.3	3154	2021-11-06T11:11:39	9.6	5764	2021-11-15T06:02:06	8.2	8374	2021-11-24T07:32:36	5.4
544	2021-10-28T19:25:32	3.6	3155	2021-11-06T11:16:39	10.0	5765	2021-11-15T06:07:06	8.3	8375	2021-11-24T07:37:35	5.3
545	2021-10-28T19:30:00	nan	3156	2021-11-06T11:21:39	9.9	5766	2021-11-15T06:12:06	8.1	8376	2021-11-24T07:42:35	4.9
546	2021-10-28T19:30:32	3.9	3157	2021-11-06T11:26:39	9.8	5767	2021-11-15T06:17:08	8.0	8377	2021-11-24T07:47:35	4.7
547	2021-10-28T19:35:33	4.3	3158	2021-11-06T11:31:39	9.7	5768	2021-11-15T06:22:07	8.0	8378	2021-11-24T07:52:36	4.5
548	2021-10-28T19:40:32	4.1	3159	2021-11-06T11:36:39	9.6	5769	2021-11-15T06:27:07	8.0	8379	2021-11-24T07:57:35	4.4
549	2021-10-28T19:45:32	3.8	3160	2021-11-06T11:41:00	nan	5770	2021-11-15T06:32:07	8.0	8380	2021-11-24T08:02:36	5.2
550	2021-10-28T19:50:33	3.7	3161	2021-11-06T11:41:39	9.7	5771	2021-11-15T06:37:07	8.0	8381	2021-11-24T08:07:35	5.1
551	2021-10-28T19:55:32	3.7	3162	2021-11-06T11:46:39	9.7	5772	2021-11-15T06:42:07	8.1	8382	2021-11-24T08:12:37	5.3
552	2021-10-28T20:00:00	nan	3163	2021-11-06T11:51:38	8.9	5773	2021-11-15T06:47:07	8.1	8383	2021-11-24T08:17:36	5.3
553	2021-10-28T20:00:33	4.0	3164	2021-11-06T11:56:39	8.9	5774	2021-11-15T06:52:07	8.1	8384	2021-11-24T08:22:36	5.2
554	2021-10-28T20:05:33	3.8	3165	2021-11-06T12:01:40	8.7	5775	2021-11-15T06:57:07	8.2	8385	2021-11-24T08:27:36	4.9
555	2021-10-28T20:10:33	3.3	3166	2021-11-06T12:06:38	9.3	5776	2021-11-15T07:02:07	8.2	8386	2021-11-24T08:32:36	4.9
556	2021-10-28T20:15:32	3.3	3167	2021-11-06T12:11:38	9.4	5777	2021-11-15T07:07:07	8.0	8387	2021-11-24T08:37:36	4.9
557	2021-10-28T20:20:33	3.6	3168	2021-11-06T12:16:38	8.8	5778	2021-11-15T07:12:07	8.0	8388	2021-11-24T08:39:00	nan
558	2021-10-28T20:25:33	4.2	3169	2021-11-06T12:21:38	8.5	5779	2021-11-15T07:17:07	8.2	8389	2021-11-24T08:42:36	5.1
559	2021-10-28T20:30:33	4.6	3170	2021-11-06T12:26:39	8.3	5780	2021-11-15T07:22:07	8.2	8390	2021-11-24T08:47:36	5.2
560	2021-10-28T20:35:34	5.1	3171	2021-11-06T12:31:39	7.8	5781	2021-11-15T07:27:08	8.2	8391	2021-11-24T08:52:36	5.1
561	2021-10-28T20:40:32	5.2	3172	2021-11-06T12:36:39	7.8	5782	2021-11-15T07:32:07	8.0	8392	2021-11-24T08:57:36	5.9
562	2021-10-28T20:45:33	5.4	3173	2021-11-06T12:41:39	8.5	5783	2021-11-15T07:37:07	8.1	8393	2021-11-24T09:02:37	6.9
563	2021-10-28T20:50:33	6.0	3174	2021-11-06T12:46:39	8.9	5784	2021-11-15T07:42:08	8.3	8394	2021-11-24T09:07:36	8.1
564	2021-10-28T20:55:32	6.3	3175	2021-11-06T12:51:39	8.5	5785	2021-11-15T07:47:08	8.4	8395	2021-11-24T09:12:37	8.6
565	2021-10-28T21:00:33	6.8	3176	2021-11-06T12:56:39	8.0	5786	2021-11-15T07:52:07	8.4	8396	2021-11-24T09:17:36	8.4
566	2021-10-28T21:05:33	7.0	3177	2021-11-06T13:01:40	8.0	5787	2021-11-15T07:57:07	8.5	8397	2021-11-24T09:22:37	8.0
567	2021-10-28T21:10:33	7.5	3178	2021-11-06T13:06:39	8.0	5788	2021-11-15T08:02:08	8.5	8398	2021-11-24T09:27:36	7.6
568	2021-10-28T21:15:33	7.9	3179	2021-11-06T13:11:39	7.8	5789	2021-11-15T08:07:08	8.3	8399	2021-11-24T09:32:36	6.8
569	2021-10-28T21:20:33	8.4	3180	2021-11-06T13:16:40	7.7	5790	2021-11-15T08:12:08	8.3	8400	2021-11-24T09:37:36	7.0
570	2021-10-28T21:25:32	8.8	3181	2021-11-06T13:21:39	7.6	5791	2021-11-15T08:14:00	nan	8401	2021-11-24T09:42:37	7.2
571	2021-10-28T21:30:32	9.4	3182	2021-11-06T13:26:40	7.4	5792	2021-11-15T08:16:00	nan	8402	2021-11-24T09:47:36	7.5
572	2021-10-28T21:35:00	nan	3183	2021-11-06T13:31:40	7.3	5793	2021-11-15T08:17:08	8.4	8403	2021-11-24T09:52:36	7.5
573	2021-10-28T21:35:00	nan	3184	2021-11-06T13:36:39	7.3	5794	2021-11-15T08:22:07	8.2	8404	2021-11-24T09:57:36	7.3
574	2021-10-28T21:35:32	9.9	3185	2021-11-06T13:41:40	7.3	5795	2021-11-15T08:27:07	8.0	8405	2021-11-24T10:02:36	6.8
575	2021-10-28T21:40:32	10.5	3186	2021-11-06T13:46:39	7.1	5796	2021-11-15T08:32:08	8.0	8406	2021-11-24T10:07:36	6.2
576	2021-10-28T21:45:34	11.0	3187	2021-11-06T13:51:39	7.0	5797	2021-11-15T08:37:08	7.8	8407	2021-11-24T10:12:37	5.8
577	2021-10-28T21:50:33	11.5	3188	2021-11-06T13:56:39	6.9	5798	2021-11-15T08:42:08	7.7	8408	2021-11-24T10:17:36	5.4
578	2021-10-28T21:55:33	11.5	3189	2021-11-06T14:01:39	6.9	5799	2021-11-15T08:47:08	7.9	8409	2021-11-24T10:22:36	5.4
579	2021-10-28T22:00:33	12.3	3190	2021-11-06T14:02:00	nan	5800	2021-11-15T08:52:08	7.7	8410	2021-11-24T10:27:36	5.4
580	2021-10-28T22:05:34	13.0	3191	2021-11-06T14:02:00	nan	5801	2021-11-15T08:57:07	7.6	8411	2021-11-24T10:32:36	5.4
581	2021-10-28T22:10:00	nan	3192	2021-11-06T14:06:39	6.8	5802	2021-11-15T09:02:07	7.5	8412	2021-11-24T10:37:35	5.6
582	2021-10-28T22:10:33	13.9	3193	2021-11-06T14:11:39	6.7	5803	2021-11-15T09:07:07	7.3	8413	2021-11-24T10:42:36	5.6
583	2021-10-28T22:15:32	14.6	3194	2021-11-06T14:16:39	6.5	5804	2021-11-15T09:12:07	7.1	8414	2021-11-24T10:47:36	6.0
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585	2021-10-28T22:25:33	16.3	3196	2021-11-06T14:26:39	6.8	5806	2021-11-15T09:22:06	6.9	8416	2021-11-24T10:57:36	6.2
586	2021-10-28T22:30:32	16.9	3197	2021-11-06T14:31:39	6.9	5807	2021-11-15T09:27:07	7.0	8417	2021-11-24T11:02:36	6.2
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588	2021-10-28T22:40:32	18.1	3199	2021-11-06T14:41:39	6.9	5809	2021-11-15T09:37:07	7.0	8419	2021-11-24T11:12:37	6.2
589	2021-10-28T22:42:00	nan	3200	2021-11-06T14:46:39	7.0	5810	2021-11-15T09:42:07	7.0	8420	2021-11-24T11:17:36	6.4
590	2021-10-28T22:45:32	18.5	3201	2021-11-06T14:51:40	6.4	5811	2021-11-15T09:47:06	6.8	8421	2021-11-24T11:22:37	6.5
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592	2021-10-28T22:55:33	17.5	3203	2021-11-06T15:01:39	6.4	5813	2021-11-15T09:57:07	7.1	8423	2021-11-24T11:32:36	6.7

593	2021-10-28T23:00:33	16.4	3204	2021-11-06T15:06:39	6.9	5814	2021-11-15T10:02:07	7.0	8424	2021-11-24T11:37:36	6.7
594	2021-10-28T23:05:33	14.9	3205	2021-11-06T15:11:39	6.6	5815	2021-11-15T10:07:07	6.9	8425	2021-11-24T11:42:36	6.7
595	2021-10-28T23:10:33	13.4	3206	2021-11-06T15:16:39	6.1	5816	2021-11-15T10:12:06	6.5	8426	2021-11-24T11:47:36	6.6
596	2021-10-28T23:15:33	12.0	3207	2021-11-06T15:21:39	5.6	5817	2021-11-15T10:17:07	6.4	8427	2021-11-24T11:52:36	6.6
597	2021-10-28T23:20:33	11.2	3208	2021-11-06T15:26:39	5.3	5818	2021-11-15T10:22:07	6.3	8428	2021-11-24T11:57:37	6.2
598	2021-10-28T23:25:32	10.6	3209	2021-11-06T15:31:40	5.2	5819	2021-11-15T10:27:07	6.2	8429	2021-11-24T12:00:00	nan
599	2021-10-28T23:30:32	10.1	3210	2021-11-06T15:36:39	4.7	5820	2021-11-15T10:32:06	6.4	8430	2021-11-24T12:00:00	nan
600	2021-10-28T23:35:32	9.5	3211	2021-11-06T15:41:39	4.8	5821	2021-11-15T10:37:07	6.3	8431	2021-11-24T12:02:36	6.1
601	2021-10-28T23:40:33	8.8	3212	2021-11-06T15:46:39	5.2	5822	2021-11-15T10:42:07	6.5	8432	2021-11-24T12:07:36	6.1
602	2021-10-28T23:45:33	8.2	3213	2021-11-06T15:51:40	5.1	5823	2021-11-15T10:47:07	6.6	8433	2021-11-24T12:12:37	6.2
603	2021-10-28T23:50:32	7.5	3214	2021-11-06T15:56:39	5.4	5824	2021-11-15T10:52:07	6.5	8434	2021-11-24T12:17:36	6.4
604	2021-10-28T23:55:33	6.8	3215	2021-11-06T16:01:40	5.3	5825	2021-11-15T10:57:08	6.5	8435	2021-11-24T12:22:37	6.9
605	2021-10-29T00:00:33	6.4	3216	2021-11-06T16:06:40	5.7	5826	2021-11-15T11:02:07	6.5	8436	2021-11-24T12:27:35	7.8
606	2021-10-29T00:05:33	6.2	3217	2021-11-06T16:11:40	5.9	5827	2021-11-15T11:07:07	6.4	8437	2021-11-24T12:32:36	8.0
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608	2021-10-29T00:15:34	5.9	3219	2021-11-06T16:21:40	5.7	5829	2021-11-15T11:17:07	6.3	8439	2021-11-24T12:42:36	8.1
609	2021-10-29T00:20:33	5.9	3220	2021-11-06T16:26:40	5.9	5830	2021-11-15T11:22:07	6.3	8440	2021-11-24T12:47:36	8.0
610	2021-10-29T00:25:33	5.4	3221	2021-11-06T16:31:41	6.2	5831	2021-11-15T11:27:08	6.4	8441	2021-11-24T12:52:35	8.2
611	2021-10-29T00:30:33	4.6	3222	2021-11-06T16:36:39	6.2	5832	2021-11-15T11:32:07	6.7	8442	2021-11-24T12:57:36	8.0
612	2021-10-29T00:35:34	4.4	3223	2021-11-06T16:41:40	6.2	5833	2021-11-15T11:37:07	6.8	8443	2021-11-24T13:02:36	8.0
613	2021-10-29T00:40:34	4.3	3224	2021-11-06T16:46:39	6.0	5834	2021-11-15T11:42:07	6.9	8444	2021-11-24T13:07:36	7.8
614	2021-10-29T00:45:34	4.3	3225	2021-11-06T16:51:40	5.9	5835	2021-11-15T11:47:08	7.2	8445	2021-11-24T13:08:00	nan
615	2021-10-29T00:50:33	4.3	3226	2021-11-06T16:56:39	6.5	5836	2021-11-15T11:52:08	7.4	8446	2021-11-24T13:12:37	7.6
616	2021-10-29T00:55:33	4.2	3227	2021-11-06T17:01:40	6.7	5837	2021-11-15T11:57:07	7.6	8447	2021-11-24T13:17:36	7.2
617	2021-10-29T01:00:33	4.3	3228	2021-11-06T17:06:39	6.8	5838	2021-11-15T12:02:07	7.7	8448	2021-11-24T13:22:37	6.7
618	2021-10-29T01:05:34	4.4	3229	2021-11-06T17:11:39	6.8	5839	2021-11-15T12:07:07	7.8	8449	2021-11-24T13:27:37	5.8
619	2021-10-29T01:10:34	4.4	3230	2021-11-06T17:16:40	6.7	5840	2021-11-15T12:12:08	7.8	8450	2021-11-24T13:32:36	5.1
620	2021-10-29T01:15:33	4.7	3231	2021-11-06T17:21:39	6.7	5841	2021-11-15T12:17:08	7.7	8451	2021-11-24T13:37:36	4.4
621	2021-10-29T01:20:33	4.9	3232	2021-11-06T17:26:40	6.7	5842	2021-11-15T12:22:08	7.7	8452	2021-11-24T13:42:36	4.1
622	2021-10-29T01:25:33	5.1	3233	2021-11-06T17:31:39	6.8	5843	2021-11-15T12:27:07	7.6	8453	2021-11-24T13:47:36	4.1
623	2021-10-29T01:30:33	5.2	3234	2021-11-06T17:36:39	7.0	5844	2021-11-15T12:32:08	7.5	8454	2021-11-24T13:52:37	4.2
624	2021-10-29T01:35:33	5.3	3235	2021-11-06T17:41:39	7.2	5845	2021-11-15T12:37:08	7.4	8455	2021-11-24T13:57:36	4.2
625	2021-10-29T01:40:33	4.9	3236	2021-11-06T17:46:39	7.2	5846	2021-11-15T12:42:08	7.4	8456	2021-11-24T14:02:36	4.3
626	2021-10-29T01:45:33	4.8	3237	2021-11-06T17:51:40	6.9	5847	2021-11-15T12:47:09	7.5	8457	2021-11-24T14:07:36	4.3
627	2021-10-29T01:50:34	4.8	3238	2021-11-06T17:56:40	6.8	5848	2021-11-15T12:52:08	7.4	8458	2021-11-24T14:09:00	nan
628	2021-10-29T01:55:33	5.4	3239	2021-11-06T18:01:40	7.0	5849	2021-11-15T12:57:08	7.4	8459	2021-11-24T14:12:36	4.7
629	2021-10-29T02:00:34	6.2	3240	2021-11-06T18:06:40	7.1	5850	2021-11-15T13:02:08	7.5	8460	2021-11-24T14:17:36	4.7
630	2021-10-29T02:05:33	6.3	3241	2021-11-06T18:11:40	6.9	5851	2021-11-15T13:07:08	7.5	8461	2021-11-24T14:22:37	5.4
631	2021-10-29T02:10:33	6.4	3242	2021-11-06T18:16:41	6.9	5852	2021-11-15T13:12:00	nan	8462	2021-11-24T14:27:36	5.3
632	2021-10-29T02:15:33	6.2	3243	2021-11-06T18:20:00	nan	5853	2021-11-15T13:12:09	7.3	8463	2021-11-24T14:32:36	5.6
633	2021-10-29T02:20:34	6.1	3244	2021-11-06T18:21:40	6.7	5854	2021-11-15T13:17:09	7.5	8464	2021-11-24T14:37:37	5.9
634	2021-10-29T02:25:34	5.5	3245	2021-11-06T18:26:40	6.6	5855	2021-11-15T13:22:08	7.9	8465	2021-11-24T14:42:37	5.8
635	2021-10-29T02:30:34	5.1	3246	2021-11-06T18:31:40	6.4	5856	2021-11-15T13:27:08	8.3	8466	2021-11-24T14:47:37	5.9
636	2021-10-29T02:35:34	4.9	3247	2021-11-06T18:36:40	6.4	5857	2021-11-15T13:32:08	8.2	8467	2021-11-24T14:52:37	6.2
637	2021-10-29T02:40:33	4.9	3248	2021-11-06T18:41:40	6.5	5858	2021-11-15T13:35:00	nan	8468	2021-11-24T14:57:37	5.9
638	2021-10-29T02:45:33	5.1	3249	2021-11-06T18:46:40	6.8	5859	2021-11-15T13:37:08	7.9	8469	2021-11-24T15:02:37	5.8
639	2021-10-29T02:50:33	5.3	3250	2021-11-06T18:51:41	7.3	5860	2021-11-15T13:42:08	7.9	8470	2021-11-24T15:07:37	5.8
640	2021-10-29T02:55:33	5.6	3251	2021-11-06T18:52:00	nan	5861	2021-11-15T13:47:09	7.4	8471	2021-11-24T15:12:38	6.3
641	2021-10-29T03:00:33	5.7	3252	2021-11-06T18:56:40	7.8	5862	2021-11-15T13:52:09	7.0	8472	2021-11-24T15:17:37	6.4
642	2021-10-29T03:05:33	5.8	3253	2021-11-06T19:01:39	8.2	5863	2021-11-15T13:57:08	7.0	8473	2021-11-24T15:22:36	6.0
643	2021-10-29T03:10:34	6.1	3254	2021-11-06T19:06:39	8.9	5864	2021-11-15T14:02:08	6.8	8474	2021-11-24T15:27:37	6.2
644	2021-10-29T03:15:33	6.3	3255	2021-11-06T19:11:39	9.8	5865	2021-11-15T14:07:08	6.7	8475	2021-11-24T15:32:37	6.1
645	2021-10-29T03:20:33	6.5	3256	2021-11-06T19:16:39	10.5	5866	2021-11-15T14:12:09	6.9	8476	2021-11-24T15:37:37	6.1
646	2021-10-29T03:25:33	6.6	3257	2021-11-06T19:21:40	11.2	5867	2021-11-15T14:17:09	7.1	8477	2021-11-24T15:42:37	6.0
647	2021-10-29T03:30:33	6.8	3258	2021-11-06T19:26:40	11.3	5868	2021-11-15T14:22:08	7.3	8478	2021-11-24T15:47:37	6.1

648	2021-10-29T03:35:33	6.8	**3259**	2021-11-06T19:31:40	11.9	**5869**	2021-11-15T14:27:08	7.7	**8479**	2021-11-24T15:52:37	5.8
649	2021-10-29T03:40:34	6.7	**3260**	2021-11-06T19:36:39	12.4	**5870**	2021-11-15T14:32:09	8.0	**8480**	2021-11-24T15:57:37	4.7
650	2021-10-29T03:45:33	6.5	**3261**	2021-11-06T19:41:39	12.3	**5871**	2021-11-15T14:37:08	8.4	**8481**	2021-11-24T16:02:37	4.4
651	2021-10-29T03:50:33	6.7	**3262**	2021-11-06T19:46:40	12.2	**5872**	2021-11-15T14:42:09	9.5	**8482**	2021-11-24T16:07:37	4.7
652	2021-10-29T03:55:33	7.0	**3263**	2021-11-06T19:51:40	12.3	**5873**	2021-11-15T14:47:09	10.4	**8483**	2021-11-24T16:12:38	5.4
653	2021-10-29T04:00:33	7.1	**3264**	2021-11-06T19:56:40	13.0	**5874**	2021-11-15T14:52:09	10.6	**8484**	2021-11-24T16:17:36	5.0
654	2021-10-29T04:05:33	7.0	**3265**	2021-11-06T20:01:39	12.9	**5875**	2021-11-15T14:57:09	11.9	**8485**	2021-11-24T16:22:37	4.3
655	2021-10-29T04:10:34	6.7	**3266**	2021-11-06T20:06:40	12.7	**5876**	2021-11-15T15:02:08	12.6	**8486**	2021-11-24T16:27:37	4.1
656	2021-10-29T04:15:34	6.4	**3267**	2021-11-06T20:11:39	12.8	**5877**	2021-11-15T15:07:08	13.7	**8487**	2021-11-24T16:30:00	nan
657	2021-10-29T04:20:34	6.3	**3268**	2021-11-06T20:16:39	12.9	**5878**	2021-11-15T15:12:08	14.4	**8488**	2021-11-24T16:32:36	3.9
658	2021-10-29T04:25:33	6.3	**3269**	2021-11-06T20:21:39	12.2	**5879**	2021-11-15T15:15:00	nan	**8489**	2021-11-24T16:37:37	3.9
659	2021-10-29T04:30:34	6.4	**3270**	2021-11-06T20:26:40	11.4	**5880**	2021-11-15T15:17:08	14.0	**8490**	2021-11-24T16:42:37	3.8
660	2021-10-29T04:35:33	6.3	**3271**	2021-11-06T20:31:40	11.2	**5881**	2021-11-15T15:22:08	13.9	**8491**	2021-11-24T16:47:36	3.7
661	2021-10-29T04:40:33	6.3	**3272**	2021-11-06T20:36:40	10.6	**5882**	2021-11-15T15:27:08	13.7	**8492**	2021-11-24T16:50:00	nan
662	2021-10-29T04:45:34	6.3	**3273**	2021-11-06T20:41:40	10.2	**5883**	2021-11-15T15:32:08	14.2	**8493**	2021-11-24T16:52:36	4.0
663	2021-10-29T04:50:33	6.2	**3274**	2021-11-06T20:46:40	10.0	**5884**	2021-11-15T15:37:08	14.2	**8494**	2021-11-24T16:57:36	4.7
664	2021-10-29T04:55:34	6.3	**3275**	2021-11-06T20:51:41	10.3	**5885**	2021-11-15T15:40:00	nan	**8495**	2021-11-24T17:02:36	5.4
665	2021-10-29T05:00:34	6.2	**3276**	2021-11-06T20:56:40	10.7	**5886**	2021-11-15T15:42:08	14.3	**8496**	2021-11-24T17:07:37	6.3
666	2021-10-29T05:05:34	6.1	**3277**	2021-11-06T21:01:40	10.7	**5887**	2021-11-15T15:47:08	14.7	**8497**	2021-11-24T17:12:37	6.7
667	2021-10-29T05:10:34	5.9	**3278**	2021-11-06T21:06:40	10.5	**5888**	2021-11-15T15:52:07	14.4	**8498**	2021-11-24T17:17:36	6.5
668	2021-10-29T05:15:34	5.8	**3279**	2021-11-06T21:11:40	10.5	**5889**	2021-11-15T15:57:09	14.5	**8499**	2021-11-24T17:22:36	6.7
669	2021-10-29T05:20:34	5.8	**3280**	2021-11-06T21:16:40	10.5	**5890**	2021-11-15T16:02:09	14.8	**8500**	2021-11-24T17:27:36	6.6
670	2021-10-29T05:25:33	6.0	**3281**	2021-11-06T21:21:41	10.5	**5891**	2021-11-15T16:07:08	14.8	**8501**	2021-11-24T17:32:37	6.9
671	2021-10-29T05:30:34	6.3	**3282**	2021-11-06T21:26:40	10.6	**5892**	2021-11-15T16:08:00	nan	**8502**	2021-11-24T17:37:37	6.9
672	2021-10-29T05:35:33	6.3	**3283**	2021-11-06T21:31:41	10.5	**5893**	2021-11-15T16:12:08	14.4	**8503**	2021-11-24T17:42:37	6.5
673	2021-10-29T05:40:34	6.3	**3284**	2021-11-06T21:36:41	10.4	**5894**	2021-11-15T16:17:09	14.0	**8504**	2021-11-24T17:47:36	5.5
674	2021-10-29T05:45:33	6.3	**3285**	2021-11-06T21:41:41	10.3	**5895**	2021-11-15T16:22:09	13.7	**8505**	2021-11-24T17:52:37	4.8
675	2021-10-29T05:50:34	6.3	**3286**	2021-11-06T21:46:41	10.1	**5896**	2021-11-15T16:27:09	13.4	**8506**	2021-11-24T17:57:36	5.1
676	2021-10-29T05:55:33	6.2	**3287**	2021-11-06T21:51:40	10.0	**5897**	2021-11-15T16:32:08	13.2	**8507**	2021-11-24T18:02:37	5.2
677	2021-10-29T06:00:33	5.9	**3288**	2021-11-06T21:56:40	9.9	**5898**	2021-11-15T16:37:09	12.7	**8508**	2021-11-24T18:07:37	5.0
678	2021-10-29T06:05:33	5.8	**3289**	2021-11-06T22:01:40	9.8	**5899**	2021-11-15T16:42:09	12.3	**8509**	2021-11-24T18:12:37	4.7
679	2021-10-29T06:10:34	5.6	**3290**	2021-11-06T22:06:40	9.7	**5900**	2021-11-15T16:47:09	12.5	**8510**	2021-11-24T18:17:36	4.3
680	2021-10-29T06:15:33	5.6	**3291**	2021-11-06T22:11:40	9.5	**5901**	2021-11-15T16:52:09	12.3	**8511**	2021-11-24T18:22:36	3.6
681	2021-10-29T06:20:34	5.5	**3292**	2021-11-06T22:16:40	9.4	**5902**	2021-11-15T16:57:09	11.6	**8512**	2021-11-24T18:27:37	3.1
682	2021-10-29T06:25:34	5.4	**3293**	2021-11-06T22:21:40	9.5	**5903**	2021-11-15T17:02:08	11.1	**8513**	2021-11-24T18:32:00	nan
683	2021-10-29T06:30:33	5.3	**3294**	2021-11-06T22:26:41	9.6	**5904**	2021-11-15T17:07:09	10.7	**8514**	2021-11-24T18:32:36	2.9
684	2021-10-29T06:35:33	5.3	**3295**	2021-11-06T22:31:40	9.7	**5905**	2021-11-15T17:12:08	10.3	**8515**	2021-11-24T18:37:36	2.9
685	2021-10-29T06:40:34	5.3	**3296**	2021-11-06T22:36:40	9.8	**5906**	2021-11-15T17:17:08	9.9	**8516**	2021-11-24T18:42:37	2.9
686	2021-10-29T06:45:34	5.4	**3297**	2021-11-06T22:39:00	nan	**5907**	2021-11-15T17:22:09	9.8	**8517**	2021-11-24T18:47:37	3.3
687	2021-10-29T06:50:34	5.4	**3298**	2021-11-06T22:39:00	nan	**5908**	2021-11-15T17:27:09	9.0	**8518**	2021-11-24T18:52:36	4.2
688	2021-10-29T06:55:34	5.6	**3299**	2021-11-06T22:39:00	nan	**5909**	2021-11-15T17:32:08	7.9	**8519**	2021-11-24T18:57:37	4.9
689	2021-10-29T07:00:34	5.1	**3300**	2021-11-06T22:41:40	9.7	**5910**	2021-11-15T17:37:08	7.5	**8520**	2021-11-24T19:02:37	5.6
690	2021-10-29T07:05:34	5.1	**3301**	2021-11-06T22:46:41	9.6	**5911**	2021-11-15T17:42:09	7.8	**8521**	2021-11-24T19:07:37	5.6
691	2021-10-29T07:10:35	5.2	**3302**	2021-11-06T22:51:41	9.7	**5912**	2021-11-15T17:47:09	8.2	**8522**	2021-11-24T19:12:37	5.7
692	2021-10-29T07:15:34	5.1	**3303**	2021-11-06T22:56:40	9.9	**5913**	2021-11-15T17:52:09	8.5	**8523**	2021-11-24T19:17:37	5.9
693	2021-10-29T07:20:34	5.2	**3304**	2021-11-06T23:01:41	10.2	**5914**	2021-11-15T17:57:09	8.4	**8524**	2021-11-24T19:22:37	6.6
694	2021-10-29T07:25:34	5.3	**3305**	2021-11-06T23:06:40	10.6	**5915**	2021-11-15T18:02:09	8.4	**8525**	2021-11-24T19:27:37	6.8
695	2021-10-29T07:30:34	5.1	**3306**	2021-11-06T23:11:41	11.2	**5916**	2021-11-15T18:07:08	8.1	**8526**	2021-11-24T19:32:37	7.0
696	2021-10-29T07:35:34	4.8	**3307**	2021-11-06T23:16:40	11.2	**5917**	2021-11-15T18:12:08	8.3	**8527**	2021-11-24T19:37:37	7.4
697	2021-10-29T07:40:34	4.9	**3308**	2021-11-06T23:21:40	12.2	**5918**	2021-11-15T18:17:08	8.4	**8528**	2021-11-24T19:42:37	7.6
698	2021-10-29T07:45:34	4.8	**3309**	2021-11-06T23:26:41	12.3	**5919**	2021-11-15T18:22:08	8.5	**8529**	2021-11-24T19:47:37	7.4
699	2021-10-29T07:48:00	nan	**3310**	2021-11-06T23:31:40	12.5	**5920**	2021-11-15T18:27:09	8.0	**8530**	2021-11-24T19:52:37	7.2
700	2021-10-29T07:49:00	nan	**3311**	2021-11-06T23:36:40	12.7	**5921**	2021-11-15T18:29:00	nan	**8531**	2021-11-24T19:57:37	7.0
701	2021-10-29T07:50:34	4.7	**3312**	2021-11-06T23:41:40	12.6	**5922**	2021-11-15T18:32:08	8.4	**8532**	2021-11-24T20:02:37	6.9
702	2021-10-29T07:55:34	4.6	**3313**	2021-11-06T23:46:40	12.7	**5923**	2021-11-15T18:37:08	8.2	**8533**	2021-11-24T20:07:37	6.9

703	2021-10-29T07:57:00	nan	**3314**	2021-11-06T23:51:41	12.8	**5924**	2021-11-15T18:42:08	8.3	**8534**	2021-11-24T20:12:38	6.9
704	2021-10-29T08:00:34	4.7	**3315**	2021-11-06T23:56:40	12.8	**5925**	2021-11-15T18:47:09	8.7	**8535**	2021-11-24T20:17:37	7.4
705	2021-10-29T08:05:34	4.9	**3316**	2021-11-07T00:01:41	12.8	**5926**	2021-11-15T18:52:08	8.5	**8536**	2021-11-24T20:22:38	7.8
706	2021-10-29T08:10:34	5.4	**3317**	2021-11-07T00:06:41	12.7	**5927**	2021-11-15T18:57:09	8.4	**8537**	2021-11-24T20:27:37	7.7
707	2021-10-29T08:15:33	5.9	**3318**	2021-11-07T00:11:41	12.5	**5928**	2021-11-15T19:02:09	8.5	**8538**	2021-11-24T20:32:37	7.3
708	2021-10-29T08:20:33	6.3	**3319**	2021-11-07T00:16:40	12.4	**5929**	2021-11-15T19:07:08	8.2	**8539**	2021-11-24T20:37:38	7.2
709	2021-10-29T08:25:34	6.6	**3320**	2021-11-07T00:18:00	nan	**5930**	2021-11-15T19:12:09	8.0	**8540**	2021-11-24T20:42:37	7.2
710	2021-10-29T08:30:33	6.2	**3321**	2021-11-07T00:21:40	12.4	**5931**	2021-11-15T19:17:08	7.7	**8541**	2021-11-24T20:47:37	7.3
711	2021-10-29T08:35:34	5.9	**3322**	2021-11-07T00:26:40	12.2	**5932**	2021-11-15T19:22:09	7.4	**8542**	2021-11-24T20:52:37	7.0
712	2021-10-29T08:40:34	5.7	**3323**	2021-11-07T00:31:41	12.3	**5933**	2021-11-15T19:27:08	7.3	**8543**	2021-11-24T20:57:37	7.1
713	2021-10-29T08:45:34	5.6	**3324**	2021-11-07T00:36:41	12.4	**5934**	2021-11-15T19:32:08	7.4	**8544**	2021-11-24T21:02:37	7.2
714	2021-10-29T08:50:34	5.5	**3325**	2021-11-07T00:41:41	12.7	**5935**	2021-11-15T19:37:08	7.4	**8545**	2021-11-24T21:07:38	7.2
715	2021-10-29T08:55:34	5.2	**3326**	2021-11-07T00:46:40	12.8	**5936**	2021-11-15T19:42:08	7.4	**8546**	2021-11-24T21:12:38	7.2
716	2021-10-29T09:00:34	5.0	**3327**	2021-11-07T00:51:41	12.7	**5937**	2021-11-15T19:47:09	7.3	**8547**	2021-11-24T21:17:38	7.2
717	2021-10-29T09:05:34	5.0	**3328**	2021-11-07T00:56:41	12.3	**5938**	2021-11-15T19:52:09	7.0	**8548**	2021-11-24T21:22:38	7.4
718	2021-10-29T09:10:34	4.9	**3329**	2021-11-07T01:01:41	12.2	**5939**	2021-11-15T19:57:09	7.0	**8549**	2021-11-24T21:27:37	7.9
719	2021-10-29T09:15:34	4.8	**3330**	2021-11-07T01:06:41	12.0	**5940**	2021-11-15T20:02:09	7.0	**8550**	2021-11-24T21:32:37	9.2
720	2021-10-29T09:20:34	4.9	**3331**	2021-11-07T01:11:41	11.9	**5941**	2021-11-15T20:07:09	7.0	**8551**	2021-11-24T21:37:37	9.3
721	2021-10-29T09:25:34	5.1	**3332**	2021-11-07T01:16:41	11.8	**5942**	2021-11-15T20:12:09	7.0	**8552**	2021-11-24T21:42:37	9.4
722	2021-10-29T09:30:34	5.1	**3333**	2021-11-07T01:21:41	11.9	**5943**	2021-11-15T20:17:08	6.7	**8553**	2021-11-24T21:47:37	8.7
723	2021-10-29T09:35:34	5.1	**3334**	2021-11-07T01:26:42	12.1	**5944**	2021-11-15T20:22:09	6.4	**8554**	2021-11-24T21:52:37	8.2
724	2021-10-29T09:37:00	nan	**3335**	2021-11-07T01:31:41	12.3	**5945**	2021-11-15T20:27:09	6.5	**8555**	2021-11-24T21:57:37	8.1
725	2021-10-29T09:40:34	4.9	**3336**	2021-11-07T01:33:00	nan	**5946**	2021-11-15T20:32:09	6.4	**8556**	2021-11-24T22:02:37	7.9
726	2021-10-29T09:45:34	4.8	**3337**	2021-11-07T01:36:41	12.6	**5947**	2021-11-15T20:37:09	6.2	**8557**	2021-11-24T22:07:37	8.2
727	2021-10-29T09:50:35	4.8	**3338**	2021-11-07T01:41:42	12.7	**5948**	2021-11-15T20:42:08	6.3	**8558**	2021-11-24T22:12:38	8.3
728	2021-10-29T09:55:35	5.3	**3339**	2021-11-07T01:46:41	12.7	**5949**	2021-11-15T20:47:09	6.4	**8559**	2021-11-24T22:17:37	8.0
729	2021-10-29T10:00:35	6.0	**3340**	2021-11-07T01:51:41	13.0	**5950**	2021-11-15T20:52:09	6.4	**8560**	2021-11-24T22:22:38	7.8
730	2021-10-29T10:05:34	6.9	**3341**	2021-11-07T01:56:41	13.2	**5951**	2021-11-15T20:57:09	6.3	**8561**	2021-11-24T22:27:37	7.7
731	2021-10-29T10:10:34	7.7	**3342**	2021-11-07T02:01:41	13.5	**5952**	2021-11-15T21:02:09	6.2	**8562**	2021-11-24T22:31:00	nan
732	2021-10-29T10:15:34	8.2	**3343**	2021-11-07T02:06:41	13.7	**5953**	2021-11-15T21:07:09	6.2	**8563**	2021-11-24T22:32:38	7.6
733	2021-10-29T10:20:34	8.2	**3344**	2021-11-07T02:11:41	13.7	**5954**	2021-11-15T21:12:09	6.2	**8564**	2021-11-24T22:37:37	7.4
734	2021-10-29T10:25:33	8.2	**3345**	2021-11-07T02:13:00	nan	**5955**	2021-11-15T21:15:00	nan	**8565**	2021-11-24T22:42:38	7.2
735	2021-10-29T10:30:34	8.0	**3346**	2021-11-07T02:16:40	13.7	**5956**	2021-11-15T21:16:00	nan	**8566**	2021-11-24T22:47:38	7.3
736	2021-10-29T10:35:34	7.8	**3347**	2021-11-07T02:21:41	13.8	**5957**	2021-11-15T21:17:09	6.0	**8567**	2021-11-24T22:52:37	7.4
737	2021-10-29T10:40:34	7.5	**3348**	2021-11-07T02:26:41	13.5	**5958**	2021-11-15T21:20:00	nan	**8568**	2021-11-24T22:57:38	7.3
738	2021-10-29T10:45:34	7.3	**3349**	2021-11-07T02:31:41	13.5	**5959**	2021-11-15T21:22:10	6.1	**8569**	2021-11-24T22:58:00	nan
739	2021-10-29T10:50:33	7.2	**3350**	2021-11-07T02:36:41	13.5	**5960**	2021-11-15T21:27:10	5.8	**8570**	2021-11-24T22:59:00	nan
740	2021-10-29T10:55:33	7.0	**3351**	2021-11-07T02:41:42	13.4	**5961**	2021-11-15T21:32:09	6.2	**8571**	2021-11-24T23:02:38	7.2
741	2021-10-29T11:00:33	7.0	**3352**	2021-11-07T02:46:41	13.1	**5962**	2021-11-15T21:37:09	6.1	**8572**	2021-11-24T23:07:38	7.0
742	2021-10-29T11:05:34	6.9	**3353**	2021-11-07T02:51:41	12.8	**5963**	2021-11-15T21:42:09	6.1	**8573**	2021-11-24T23:12:38	7.0
743	2021-10-29T11:10:34	6.8	**3354**	2021-11-07T02:56:41	12.6	**5964**	2021-11-15T21:47:09	6.2	**8574**	2021-11-24T23:17:38	6.9
744	2021-10-29T11:11:00	nan	**3355**	2021-11-07T03:01:41	12.2	**5965**	2021-11-15T21:52:09	6.4	**8575**	2021-11-24T23:22:38	7.1
745	2021-10-29T11:15:34	6.5	**3356**	2021-11-07T03:06:40	11.8	**5966**	2021-11-15T21:57:10	6.9	**8576**	2021-11-24T23:27:38	7.7
746	2021-10-29T11:20:34	6.5	**3357**	2021-11-07T03:11:41	11.8	**5967**	2021-11-15T22:02:09	7.2	**8577**	2021-11-24T23:32:38	8.2
747	2021-10-29T11:25:34	7.1	**3358**	2021-11-07T03:16:40	11.6	**5968**	2021-11-15T22:07:09	7.1	**8578**	2021-11-24T23:37:38	8.3
748	2021-10-29T11:30:34	7.5	**3359**	2021-11-07T03:21:41	11.3	**5969**	2021-11-15T22:12:09	6.8	**8579**	2021-11-24T23:42:37	8.2
749	2021-10-29T11:35:33	8.0	**3360**	2021-11-07T03:26:41	10.8	**5970**	2021-11-15T22:17:09	6.7	**8580**	2021-11-24T23:47:38	8.1
750	2021-10-29T11:40:34	8.4	**3361**	2021-11-07T03:31:41	10.4	**5971**	2021-11-15T22:22:09	6.7	**8581**	2021-11-24T23:52:37	8.0
751	2021-10-29T11:45:34	9.0	**3362**	2021-11-07T03:36:41	10.1	**5972**	2021-11-15T22:27:09	6.7	**8582**	2021-11-24T23:57:38	7.8
752	2021-10-29T11:50:34	9.2	**3363**	2021-11-07T03:41:41	9.8	**5973**	2021-11-15T22:32:09	6.3	**8583**	2021-11-25T00:02:37	7.8
753	2021-10-29T11:55:34	9.7	**3364**	2021-11-07T03:46:41	9.8	**5974**	2021-11-15T22:37:09	6.2	**8584**	2021-11-25T00:07:38	7.8
754	2021-10-29T12:00:34	9.8	**3365**	2021-11-07T03:51:41	9.6	**5975**	2021-11-15T22:42:09	6.3	**8585**	2021-11-25T00:12:38	7.4
755	2021-10-29T12:05:34	9.7	**3366**	2021-11-07T03:56:42	9.5	**5976**	2021-11-15T22:47:09	6.3	**8586**	2021-11-25T00:17:38	7.0
756	2021-10-29T12:10:35	9.3	**3367**	2021-11-07T04:01:42	9.2	**5977**	2021-11-15T22:52:09	6.2	**8587**	2021-11-25T00:22:38	6.8
757	2021-10-29T12:15:34	8.9	**3368**	2021-11-07T04:06:41	8.7	**5978**	2021-11-15T22:57:09	6.5	**8588**	2021-11-25T00:27:38	6.8

758	2021-10-29T12:20:34	8.6	**3369**	2021-11-07T04:11:41	8.9	**5979**	2021-11-15T23:02:09	6.4	**8589**	2021-11-25T00:32:38	6.9
759	2021-10-29T12:25:34	8.3	**3370**	2021-11-07T04:16:42	8.9	**5980**	2021-11-15T23:07:10	6.3	**8590**	2021-11-25T00:37:39	7.0
760	2021-10-29T12:30:34	8.2	**3371**	2021-11-07T04:21:42	8.7	**5981**	2021-11-15T23:12:10	6.2	**8591**	2021-11-25T00:42:39	7.0
761	2021-10-29T12:35:34	7.9	**3372**	2021-11-07T04:26:42	8.4	**5982**	2021-11-15T23:17:10	6.3	**8592**	2021-11-25T00:47:38	7.4
762	2021-10-29T12:37:00	nan	**3373**	2021-11-07T04:31:41	8.4	**5983**	2021-11-15T23:22:09	6.7	**8593**	2021-11-25T00:52:38	7.4
763	2021-10-29T12:37:00	nan	**3374**	2021-11-07T04:36:42	8.2	**5984**	2021-11-15T23:27:10	7.0	**8594**	2021-11-25T00:57:38	7.2
764	2021-10-29T12:40:34	7.7	**3375**	2021-11-07T04:41:42	8.1	**5985**	2021-11-15T23:32:09	7.1	**8595**	2021-11-25T01:02:38	7.6
765	2021-10-29T12:45:34	7.5	**3376**	2021-11-07T04:46:42	8.6	**5986**	2021-11-15T23:37:10	7.3	**8596**	2021-11-25T01:07:38	7.9
766	2021-10-29T12:50:34	7.4	**3377**	2021-11-07T04:51:41	8.4	**5987**	2021-11-15T23:42:10	7.5	**8597**	2021-11-25T01:12:38	7.9
767	2021-10-29T12:55:34	7.2	**3378**	2021-11-07T04:56:41	7.7	**5988**	2021-11-15T23:47:09	8.0	**8598**	2021-11-25T01:17:39	7.9
768	2021-10-29T13:00:34	6.9	**3379**	2021-11-07T05:01:41	7.5	**5989**	2021-11-15T23:52:09	8.2	**8599**	2021-11-25T01:22:39	8.1
769	2021-10-29T13:05:34	6.6	**3380**	2021-11-07T05:06:41	7.4	**5990**	2021-11-15T23:57:09	8.7	**8600**	2021-11-25T01:27:39	8.8
770	2021-10-29T13:10:34	6.4	**3381**	2021-11-07T05:11:41	7.2	**5991**	2021-11-16T00:02:10	8.9	**8601**	2021-11-25T01:32:38	9.3
771	2021-10-29T13:15:34	5.9	**3382**	2021-11-07T05:16:41	7.2	**5992**	2021-11-16T00:07:09	9.6	**8602**	2021-11-25T01:37:38	9.7
772	2021-10-29T13:20:35	5.2	**3383**	2021-11-07T05:21:41	7.1	**5993**	2021-11-16T00:12:09	9.3	**8603**	2021-11-25T01:42:38	9.6
773	2021-10-29T13:25:34	4.9	**3384**	2021-11-07T05:26:41	7.1	**5994**	2021-11-16T00:17:09	10.3	**8604**	2021-11-25T01:47:39	10.5
774	2021-10-29T13:30:35	4.8	**3385**	2021-11-07T05:31:41	7.0	**5995**	2021-11-16T00:22:09	10.5	**8605**	2021-11-25T01:52:38	11.3
775	2021-10-29T13:35:34	4.5	**3386**	2021-11-07T05:36:41	6.9	**5996**	2021-11-16T00:27:09	10.7	**8606**	2021-11-25T01:57:38	11.0
776	2021-10-29T13:40:34	4.5	**3387**	2021-11-07T05:41:41	6.9	**5997**	2021-11-16T00:32:09	10.5	**8607**	2021-11-25T02:02:38	11.3
777	2021-10-29T13:45:34	4.4	**3388**	2021-11-07T05:46:41	6.6	**5998**	2021-11-16T00:37:09	10.7	**8608**	2021-11-25T02:07:39	12.0
778	2021-10-29T13:50:34	4.6	**3389**	2021-11-07T05:51:42	6.6	**5999**	2021-11-16T00:42:09	10.8	**8609**	2021-11-25T02:12:39	12.0
779	2021-10-29T13:55:34	4.5	**3390**	2021-11-07T05:56:42	6.6	**6000**	2021-11-16T00:47:10	10.9	**8610**	2021-11-25T02:17:00	nan
780	2021-10-29T14:00:34	4.3	**3391**	2021-11-07T06:01:42	6.4	**6001**	2021-11-16T00:52:09	11.0	**8611**	2021-11-25T02:17:38	11.8
781	2021-10-29T14:04:00	nan	**3392**	2021-11-07T06:06:42	6.3	**6002**	2021-11-16T00:57:10	11.2	**8612**	2021-11-25T02:22:38	12.2
782	2021-10-29T14:05:34	4.3	**3393**	2021-11-07T06:11:42	6.2	**6003**	2021-11-16T01:02:10	11.1	**8613**	2021-11-25T02:27:38	12.3
783	2021-10-29T14:10:35	4.3	**3394**	2021-11-07T06:16:42	6.1	**6004**	2021-11-16T01:07:10	11.1	**8614**	2021-11-25T02:32:38	13.1
784	2021-10-29T14:15:35	4.5	**3395**	2021-11-07T06:21:41	6.0	**6005**	2021-11-16T01:12:10	11.1	**8615**	2021-11-25T02:37:38	13.3
785	2021-10-29T14:20:34	5.0	**3396**	2021-11-07T06:26:42	5.9	**6006**	2021-11-16T01:17:10	11.1	**8616**	2021-11-25T02:40:00	nan
786	2021-10-29T14:25:35	5.4	**3397**	2021-11-07T06:31:42	5.9	**6007**	2021-11-16T01:22:09	11.1	**8617**	2021-11-25T02:42:38	13.2
787	2021-10-29T14:30:35	5.9	**3398**	2021-11-07T06:36:42	5.9	**6008**	2021-11-16T01:27:10	11.1	**8618**	2021-11-25T02:47:38	13.2
788	2021-10-29T14:35:34	5.7	**3399**	2021-11-07T06:41:43	6.0	**6009**	2021-11-16T01:32:10	11.0	**8619**	2021-11-25T02:52:38	12.9
789	2021-10-29T14:40:35	5.4	**3400**	2021-11-07T06:46:42	5.9	**6010**	2021-11-16T01:37:09	11.0	**8620**	2021-11-25T02:57:38	12.7
790	2021-10-29T14:45:34	5.1	**3401**	2021-11-07T06:51:42	5.7	**6011**	2021-11-16T01:42:09	11.0	**8621**	2021-11-25T03:02:39	12.5
791	2021-10-29T14:50:34	5.2	**3402**	2021-11-07T06:56:41	5.5	**6012**	2021-11-16T01:47:10	11.0	**8622**	2021-11-25T03:07:38	12.1
792	2021-10-29T14:55:35	5.1	**3403**	2021-11-07T07:01:42	5.4	**6013**	2021-11-16T01:52:10	11.0	**8623**	2021-11-25T03:12:39	12.2
793	2021-10-29T15:00:34	4.9	**3404**	2021-11-07T07:06:42	5.3	**6014**	2021-11-16T01:57:10	10.9	**8624**	2021-11-25T03:17:38	12.3
794	2021-10-29T15:05:34	4.7	**3405**	2021-11-07T07:11:42	4.9	**6015**	2021-11-16T02:02:09	10.6	**8625**	2021-11-25T03:22:38	12.3
795	2021-10-29T15:10:35	4.6	**3406**	2021-11-07T07:16:41	4.7	**6016**	2021-11-16T02:07:09	9.7	**8626**	2021-11-25T03:27:38	11.8
796	2021-10-29T15:15:35	4.4	**3407**	2021-11-07T07:21:41	4.6	**6017**	2021-11-16T02:12:09	9.4	**8627**	2021-11-25T03:32:38	10.9
797	2021-10-29T15:20:35	4.4	**3408**	2021-11-07T07:26:42	4.6	**6018**	2021-11-16T02:17:09	10.8	**8628**	2021-11-25T03:37:38	10.2
798	2021-10-29T15:25:35	4.3	**3409**	2021-11-07T07:31:42	4.6	**6019**	2021-11-16T02:22:09	11.0	**8629**	2021-11-25T03:42:38	9.8
799	2021-10-29T15:27:00	nan	**3410**	2021-11-07T07:36:41	4.5	**6020**	2021-11-16T02:27:09	10.8	**8630**	2021-11-25T03:47:38	9.5
800	2021-10-29T15:30:35	4.3	**3411**	2021-11-07T07:41:42	4.4	**6021**	2021-11-16T02:32:09	10.5	**8631**	2021-11-25T03:52:39	9.4
801	2021-10-29T15:31:00	nan	**3412**	2021-11-07T07:46:41	4.6	**6022**	2021-11-16T02:37:10	10.3	**8632**	2021-11-25T03:57:38	9.7
802	2021-10-29T15:35:35	4.2	**3413**	2021-11-07T07:51:42	4.6	**6023**	2021-11-16T02:42:10	10.1	**8633**	2021-11-25T04:02:38	9.8
803	2021-10-29T15:40:35	4.3	**3414**	2021-11-07T07:56:41	4.5	**6024**	2021-11-16T02:47:10	9.9	**8634**	2021-11-25T04:07:39	9.4
804	2021-10-29T15:45:35	4.6	**3415**	2021-11-07T08:01:42	4.4	**6025**	2021-11-16T02:52:10	9.7	**8635**	2021-11-25T04:12:39	9.3
805	2021-10-29T15:50:35	4.9	**3416**	2021-11-07T08:06:42	4.4	**6026**	2021-11-16T02:57:09	9.6	**8636**	2021-11-25T04:17:38	9.4
806	2021-10-29T15:55:35	5.9	**3417**	2021-11-07T08:11:42	4.7	**6027**	2021-11-16T03:02:10	9.5	**8637**	2021-11-25T04:22:38	9.8
807	2021-10-29T16:00:35	6.5	**3418**	2021-11-07T08:16:42	4.7	**6028**	2021-11-16T03:07:10	9.4	**8638**	2021-11-25T04:27:39	10.0
808	2021-10-29T16:05:35	7.2	**3419**	2021-11-07T08:21:42	4.7	**6029**	2021-11-16T03:12:10	9.3	**8639**	2021-11-25T04:32:38	10.0
809	2021-10-29T16:10:35	8.0	**3420**	2021-11-07T08:26:42	4.6	**6030**	2021-11-16T03:17:10	9.2	**8640**	2021-11-25T04:37:38	9.9
810	2021-10-29T16:15:34	8.2	**3421**	2021-11-07T08:31:42	4.7	**6031**	2021-11-16T03:22:10	9.0	**8641**	2021-11-25T04:42:38	9.5
811	2021-10-29T16:20:34	8.5	**3422**	2021-11-07T08:36:42	4.8	**6032**	2021-11-16T03:27:09	9.0	**8642**	2021-11-25T04:47:38	9.3
812	2021-10-29T16:25:34	9.2	**3423**	2021-11-07T08:41:42	4.8	**6033**	2021-11-16T03:32:10	8.9	**8643**	2021-11-25T04:52:38	9.4

813	2021-10-29T16:30:34	9.3	**3424**	2021-11-07T08:46:42	4.8	**6034**	2021-11-16T03:37:10	8.7	**8644**	2021-11-25T04:57:38	9.6
814	2021-10-29T16:35:34	9.6	**3425**	2021-11-07T08:51:42	4.7	**6035**	2021-11-16T03:42:10	8.7	**8645**	2021-11-25T05:02:38	9.9
815	2021-10-29T16:39:00	nan	**3426**	2021-11-07T08:56:42	4.6	**6036**	2021-11-16T03:47:11	8.7	**8646**	2021-11-25T05:07:39	9.7
816	2021-10-29T16:39:00	nan	**3427**	2021-11-07T09:01:42	4.6	**6037**	2021-11-16T03:52:10	8.7	**8647**	2021-11-25T05:12:39	9.3
817	2021-10-29T16:40:34	9.9	**3428**	2021-11-07T09:06:42	5.3	**6038**	2021-11-16T03:57:11	8.7	**8648**	2021-11-25T05:17:39	8.9
818	2021-10-29T16:45:35	10.2	**3429**	2021-11-07T09:11:42	5.4	**6039**	2021-11-16T04:02:10	8.6	**8649**	2021-11-25T05:22:39	8.7
819	2021-10-29T16:50:34	10.4	**3430**	2021-11-07T09:16:42	5.5	**6040**	2021-11-16T04:07:10	8.4	**8650**	2021-11-25T05:27:38	8.5
820	2021-10-29T16:55:35	10.6	**3431**	2021-11-07T09:21:41	5.5	**6041**	2021-11-16T04:12:10	8.0	**8651**	2021-11-25T05:32:39	8.5
821	2021-10-29T17:00:34	10.8	**3432**	2021-11-07T09:26:42	5.4	**6042**	2021-11-16T04:17:10	7.7	**8652**	2021-11-25T05:37:39	9.2
822	2021-10-29T17:05:34	11.3	**3433**	2021-11-07T09:31:42	5.4	**6043**	2021-11-16T04:22:10	7.7	**8653**	2021-11-25T05:42:38	10.2
823	2021-10-29T17:10:35	11.6	**3434**	2021-11-07T09:36:41	5.4	**6044**	2021-11-16T04:27:10	7.8	**8654**	2021-11-25T05:47:39	10.4
824	2021-10-29T17:15:35	11.8	**3435**	2021-11-07T09:41:41	5.6	**6045**	2021-11-16T04:32:11	7.7	**8655**	2021-11-25T05:52:39	9.7
825	2021-10-29T17:20:34	11.8	**3436**	2021-11-07T09:46:41	5.1	**6046**	2021-11-16T04:37:11	7.7	**8656**	2021-11-25T05:57:38	9.5
826	2021-10-29T17:25:34	11.8	**3437**	2021-11-07T09:51:42	5.1	**6047**	2021-11-16T04:42:10	7.6	**8657**	2021-11-25T06:02:38	9.5
827	2021-10-29T17:30:34	11.8	**3438**	2021-11-07T09:56:42	5.3	**6048**	2021-11-16T04:47:09	7.6	**8658**	2021-11-25T06:07:38	9.2
828	2021-10-29T17:31:00	nan	**3439**	2021-11-07T10:01:42	6.0	**6049**	2021-11-16T04:52:10	7.6	**8659**	2021-11-25T06:12:39	9.1
829	2021-10-29T17:35:35	11.7	**3440**	2021-11-07T10:06:42	6.2	**6050**	2021-11-16T04:57:10	7.7	**8660**	2021-11-25T06:17:39	9.0
830	2021-10-29T17:40:34	11.7	**3441**	2021-11-07T10:11:43	6.3	**6051**	2021-11-16T05:02:10	7.7	**8661**	2021-11-25T06:22:39	8.7
831	2021-10-29T17:45:34	11.6	**3442**	2021-11-07T10:16:43	6.2	**6052**	2021-11-16T05:07:10	7.5	**8662**	2021-11-25T06:27:39	8.7
832	2021-10-29T17:50:36	11.7	**3443**	2021-11-07T10:21:43	6.0	**6053**	2021-11-16T05:12:10	7.2	**8663**	2021-11-25T06:32:39	8.7
833	2021-10-29T17:55:35	11.6	**3444**	2021-11-07T10:26:42	6.0	**6054**	2021-11-16T05:17:10	7.0	**8664**	2021-11-25T06:37:39	9.0
834	2021-10-29T18:00:35	11.5	**3445**	2021-11-07T10:31:42	6.2	**6055**	2021-11-16T05:22:10	6.9	**8665**	2021-11-25T06:42:38	9.3
835	2021-10-29T18:05:35	10.9	**3446**	2021-11-07T10:36:42	6.3	**6056**	2021-11-16T05:27:10	6.8	**8666**	2021-11-25T06:47:38	9.3
836	2021-10-29T18:10:35	10.6	**3447**	2021-11-07T10:41:42	6.4	**6057**	2021-11-16T05:32:09	6.8	**8667**	2021-11-25T06:52:38	9.4
837	2021-10-29T18:15:35	10.3	**3448**	2021-11-07T10:46:42	6.4	**6058**	2021-11-16T05:37:10	6.8	**8668**	2021-11-25T06:57:39	9.5
838	2021-10-29T18:20:35	10.1	**3449**	2021-11-07T10:51:41	6.5	**6059**	2021-11-16T05:42:10	6.9	**8669**	2021-11-25T07:02:38	9.5
839	2021-10-29T18:25:36	9.9	**3450**	2021-11-07T10:56:42	6.5	**6060**	2021-11-16T05:47:10	6.9	**8670**	2021-11-25T07:07:38	9.5
840	2021-10-29T18:30:35	9.7	**3451**	2021-11-07T11:01:42	5.8	**6061**	2021-11-16T05:52:11	6.9	**8671**	2021-11-25T07:12:39	9.4
841	2021-10-29T18:35:35	9.5	**3452**	2021-11-07T11:06:42	4.7	**6062**	2021-11-16T05:57:10	6.5	**8672**	2021-11-25T07:17:39	9.4
842	2021-10-29T18:38:00	nan	**3453**	2021-11-07T11:11:42	4.3	**6063**	2021-11-16T06:02:11	6.3	**8673**	2021-11-25T07:22:39	9.2
843	2021-10-29T18:40:35	9.2	**3454**	2021-11-07T11:16:42	4.1	**6064**	2021-11-16T06:07:10	6.2	**8674**	2021-11-25T07:27:39	9.1
844	2021-10-29T18:45:35	8.8	**3455**	2021-11-07T11:21:42	4.5	**6065**	2021-11-16T06:12:11	6.2	**8675**	2021-11-25T07:32:39	9.3
845	2021-10-29T18:50:35	8.2	**3456**	2021-11-07T11:26:41	5.2	**6066**	2021-11-16T06:17:11	6.3	**8676**	2021-11-25T07:37:39	9.9
846	2021-10-29T18:55:35	7.4	**3457**	2021-11-07T11:31:42	6.5	**6067**	2021-11-16T06:22:09	6.4	**8677**	2021-11-25T07:42:39	10.1
847	2021-10-29T19:00:00	nan	**3458**	2021-11-07T11:36:41	7.8	**6068**	2021-11-16T06:27:10	6.5	**8678**	2021-11-25T07:47:39	10.2
848	2021-10-29T19:00:35	6.8	**3459**	2021-11-07T11:41:42	8.0	**6069**	2021-11-16T06:32:10	6.5	**8679**	2021-11-25T07:52:40	10.2
849	2021-10-29T19:05:36	6.3	**3460**	2021-11-07T11:46:42	8.3	**6070**	2021-11-16T06:37:10	6.5	**8680**	2021-11-25T07:57:38	10.0
850	2021-10-29T19:10:35	6.0	**3461**	2021-11-07T11:51:42	8.5	**6071**	2021-11-16T06:42:11	6.6	**8681**	2021-11-25T08:02:40	9.8
851	2021-10-29T19:15:35	5.8	**3462**	2021-11-07T11:56:42	8.4	**6072**	2021-11-16T06:47:10	6.7	**8682**	2021-11-25T08:07:39	10.1
852	2021-10-29T19:20:35	5.6	**3463**	2021-11-07T12:01:43	8.7	**6073**	2021-11-16T06:52:10	6.6	**8683**	2021-11-25T08:12:40	10.2
853	2021-10-29T19:25:35	5.6	**3464**	2021-11-07T12:06:42	8.9	**6074**	2021-11-16T06:57:10	6.6	**8684**	2021-11-25T08:17:39	10.2
854	2021-10-29T19:30:35	5.7	**3465**	2021-11-07T12:11:42	9.0	**6075**	2021-11-16T07:02:09	6.6	**8685**	2021-11-25T08:22:38	10.3
855	2021-10-29T19:35:35	5.7	**3466**	2021-11-07T12:16:42	8.9	**6076**	2021-11-16T07:07:10	6.7	**8686**	2021-11-25T08:27:39	10.4
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857	2021-10-29T19:45:35	5.5	**3468**	2021-11-07T12:26:42	8.7	**6078**	2021-11-16T07:17:10	6.7	**8688**	2021-11-25T08:37:39	10.4
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860	2021-10-29T20:00:35	4.9	**3471**	2021-11-07T12:41:43	8.8	**6081**	2021-11-16T07:32:10	6.4	**8691**	2021-11-25T08:50:00	nan
861	2021-10-29T20:05:35	4.6	**3472**	2021-11-07T12:46:42	8.4	**6082**	2021-11-16T07:37:10	6.3	**8692**	2021-11-25T08:51:00	nan
862	2021-10-29T20:10:35	4.4	**3473**	2021-11-07T12:51:42	9.0	**6083**	2021-11-16T07:42:10	6.2	**8693**	2021-11-25T08:52:39	10.4
863	2021-10-29T20:15:35	4.2	**3474**	2021-11-07T12:56:42	9.5	**6084**	2021-11-16T07:47:10	6.0	**8694**	2021-11-25T08:57:39	10.4
864	2021-10-29T20:20:35	4.3	**3475**	2021-11-07T13:01:41	9.7	**6085**	2021-11-16T07:48:00	nan	**8695**	2021-11-25T09:02:39	10.4
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867	2021-10-29T20:35:35	4.8	**3478**	2021-11-07T13:06:41	9.8	**6088**	2021-11-16T07:57:10	5.9	**8698**	2021-11-25T09:17:39	10.4

868	2021-10-29T20:40:35	5.1	3479	2021-11-07T13:11:42	9.9	6089	2021-11-16T08:02:10	5.9	8699	2021-11-25T09:22:40	10.3
869	2021-10-29T20:45:35	6.4	3480	2021-11-07T13:16:42	10.0	6090	2021-11-16T08:07:10	6.0	8700	2021-11-25T09:27:39	9.9
870	2021-10-29T20:50:35	7.3	3481	2021-11-07T13:21:42	10.0	6091	2021-11-16T08:12:10	6.0	8701	2021-11-25T09:32:40	9.7
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872	2021-10-29T21:00:35	7.5	3483	2021-11-07T13:31:41	9.8	6093	2021-11-16T08:22:10	6.4	8703	2021-11-25T09:42:40	8.9
873	2021-10-29T21:05:35	8.0	3484	2021-11-07T13:36:42	9.7	6094	2021-11-16T08:27:10	6.9	8704	2021-11-25T09:47:39	8.3
874	2021-10-29T21:10:00	nan	3485	2021-11-07T13:41:42	9.7	6095	2021-11-16T08:32:10	7.2	8705	2021-11-25T09:52:39	7.9
875	2021-10-29T21:10:35	7.9	3486	2021-11-07T13:46:43	9.5	6096	2021-11-16T08:37:10	7.2	8706	2021-11-25T09:57:39	7.3
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886	2021-10-29T21:55:35	8.7	3497	2021-11-07T14:37:00	nan	6107	2021-11-16T09:32:10	8.5	8717	2021-11-25T10:42:39	7.2
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888	2021-10-29T22:05:35	9.1	3499	2021-11-07T14:41:42	8.5	6109	2021-11-16T09:42:10	8.9	8719	2021-11-25T10:52:39	7.2
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906	2021-10-29T23:35:36	6.7	3517	2021-11-07T16:11:43	8.5	6127	2021-11-16T11:07:10	7.8	8737	2021-11-25T12:17:40	4.7
907	2021-10-29T23:40:35	6.6	3518	2021-11-07T16:16:42	8.5	6128	2021-11-16T11:12:11	7.6	8738	2021-11-25T12:22:39	4.7
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909	2021-10-29T23:50:36	6.5	3520	2021-11-07T16:26:43	8.5	6130	2021-11-16T11:22:10	7.7	8740	2021-11-25T12:32:40	4.9
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911	2021-10-30T00:00:36	6.3	3522	2021-11-07T16:36:43	8.8	6132	2021-11-16T11:32:10	7.3	8742	2021-11-25T12:42:40	5.8
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921	2021-10-30T00:40:36	5.6	3532	2021-11-07T17:26:43	11.0	6142	2021-11-16T12:22:11	6.0	8752	2021-11-25T13:32:40	7.8
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923	2021-10-30T00:50:36	6.4	3534	2021-11-07T17:31:43	11.2	6144	2021-11-16T12:32:11	6.1	8754	2021-11-25T13:42:40	9.0
924	2021-10-30T00:55:36	7.0	3535	2021-11-07T17:36:43	11.5	6145	2021-11-16T12:37:11	6.0	8755	2021-11-25T13:47:40	9.5
925	2021-10-30T01:00:36	7.1	3536	2021-11-07T17:41:43	11.2	6146	2021-11-16T12:42:00	nan	8756	2021-11-25T13:52:40	10.2
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934	2021-10-30T01:45:36	5.5	3545	2021-11-07T18:21:42	11.9	6155	2021-11-16T13:17:11	4.9	8765	2021-11-25T14:37:40	15.1
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937	2021-10-30T02:00:36	5.6	3548	2021-11-07T18:36:42	11.1	6158	2021-11-16T13:32:12	4.1	8768	2021-11-25T14:52:40	15.7
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945	2021-10-30T02:40:36	6.3	3556	2021-11-07T19:16:43	11.0	6166	2021-11-16T14:12:11	5.1	8776	2021-11-25T15:32:41	17.0
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948	2021-10-30T02:55:35	7.0	3559	2021-11-07T19:31:44	11.4	6169	2021-11-16T14:27:11	5.1	8779	2021-11-25T15:47:40	16.4
949	2021-10-30T03:00:36	7.3	3560	2021-11-07T19:36:44	11.3	6170	2021-11-16T14:32:11	4.9	8780	2021-11-25T15:52:40	15.5
950	2021-10-30T03:05:36	7.5	3561	2021-11-07T19:41:43	11.0	6171	2021-11-16T14:37:11	4.6	8781	2021-11-25T15:57:41	16.4
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952	2021-10-30T03:15:37	8.0	3563	2021-11-07T19:51:43	11.2	6173	2021-11-16T14:47:11	4.5	8783	2021-11-25T16:07:40	17.6
953	2021-10-30T03:20:36	7.4	3564	2021-11-07T19:56:43	11.3	6174	2021-11-16T14:48:00	nan	8784	2021-11-25T16:12:41	18.5
954	2021-10-30T03:25:36	7.3	3565	2021-11-07T20:01:42	11.5	6175	2021-11-16T14:52:11	4.6	8785	2021-11-25T16:17:40	19.3
955	2021-10-30T03:30:35	7.3	3566	2021-11-07T20:06:42	11.4	6176	2021-11-16T14:57:11	4.6	8786	2021-11-25T16:21:00	nan
956	2021-10-30T03:35:36	7.5	3567	2021-11-07T20:11:43	11.4	6177	2021-11-16T15:02:11	4.7	8787	2021-11-25T16:22:40	19.8
957	2021-10-30T03:40:36	7.7	3568	2021-11-07T20:16:43	11.4	6178	2021-11-16T15:07:11	4.9	8788	2021-11-25T16:27:40	20.3
958	2021-10-30T03:45:36	7.8	3569	2021-11-07T20:21:43	11.4	6179	2021-11-16T15:12:12	5.4	8789	2021-11-25T16:32:40	21.0
959	2021-10-30T03:50:35	7.9	3570	2021-11-07T20:26:43	11.7	6180	2021-11-16T15:17:11	6.0	8790	2021-11-25T16:37:40	21.4
960	2021-10-30T03:55:35	8.3	3571	2021-11-07T20:31:43	11.8	6181	2021-11-16T15:22:12	6.7	8791	2021-11-25T16:42:40	21.6
961	2021-10-30T04:00:36	8.5	3572	2021-11-07T20:36:44	12.1	6182	2021-11-16T15:27:12	7.4	8792	2021-11-25T16:47:40	21.1
962	2021-10-30T04:05:36	8.7	3573	2021-11-07T20:41:43	12.9	6183	2021-11-16T15:32:11	7.9	8793	2021-11-25T16:52:40	20.0
963	2021-10-30T04:10:37	8.8	3574	2021-11-07T20:46:43	12.8	6184	2021-11-16T15:37:12	8.2	8794	2021-11-25T16:57:40	18.8
964	2021-10-30T04:15:36	8.8	3575	2021-11-07T20:51:43	12.8	6185	2021-11-16T15:42:11	8.7	8795	2021-11-25T17:02:40	17.8
965	2021-10-30T04:20:36	8.8	3576	2021-11-07T20:56:44	12.5	6186	2021-11-16T15:47:12	9.0	8796	2021-11-25T17:07:40	16.3
966	2021-10-30T04:25:36	8.8	3577	2021-11-07T21:01:44	12.5	6187	2021-11-16T15:52:11	9.4	8797	2021-11-25T17:12:40	14.7
967	2021-10-30T04:30:36	8.8	3578	2021-11-07T21:06:43	12.5	6188	2021-11-16T15:57:12	10.0	8798	2021-11-25T17:17:40	12.8
968	2021-10-30T04:35:36	8.8	3579	2021-11-07T21:11:43	12.7	6189	2021-11-16T16:02:11	10.2	8799	2021-11-25T17:22:00	nan
969	2021-10-30T04:40:36	8.7	3580	2021-11-07T21:16:43	12.7	6190	2021-11-16T16:07:11	10.1	8800	2021-11-25T17:22:41	11.7
970	2021-10-30T04:45:36	8.6	3581	2021-11-07T21:21:44	12.8	6191	2021-11-16T16:12:10	9.7	8801	2021-11-25T17:27:41	10.6
971	2021-10-30T04:50:37	8.6	3582	2021-11-07T21:26:43	12.9	6192	2021-11-16T16:17:11	9.7	8802	2021-11-25T17:32:40	9.8
972	2021-10-30T04:55:36	8.5	3583	2021-11-07T21:31:43	13.2	6193	2021-11-16T16:22:11	9.4	8803	2021-11-25T17:37:40	9.4
973	2021-10-30T05:00:36	8.3	3584	2021-11-07T21:36:44	13.5	6194	2021-11-16T16:27:11	9.3	8804	2021-11-25T17:42:40	9.4
974	2021-10-30T05:05:36	8.1	3585	2021-11-07T21:41:44	13.2	6195	2021-11-16T16:28:00	nan	8805	2021-11-25T17:47:41	9.7
975	2021-10-30T05:10:37	7.9	3586	2021-11-07T21:46:43	13.2	6196	2021-11-16T16:32:11	9.3	8806	2021-11-25T17:52:40	10.0
976	2021-10-30T05:15:37	7.9	3587	2021-11-07T21:51:44	13.2	6197	2021-11-16T16:37:11	9.4	8807	2021-11-25T17:53:00	nan

977	2021-10-30T05:20:36	7.9	**3588**	2021-11-07T21:56:44	13.2	**6198**	2021-11-16T16:42:11	9.8	**8808**	2021-11-25T17:57:40	10.6
978	2021-10-30T05:25:36	7.9	**3589**	2021-11-07T22:01:44	13.2	**6199**	2021-11-16T16:47:10	10.0	**8809**	2021-11-25T18:02:40	11.0
979	2021-10-30T05:30:36	7.9	**3590**	2021-11-07T22:06:44	13.2	**6200**	2021-11-16T16:52:11	10.4	**8810**	2021-11-25T18:07:40	11.4
980	2021-10-30T05:35:36	7.9	**3591**	2021-11-07T22:11:43	13.3	**6201**	2021-11-16T16:57:12	10.7	**8811**	2021-11-25T18:12:41	11.9
981	2021-10-30T05:40:36	7.9	**3592**	2021-11-07T22:16:43	13.3	**6202**	2021-11-16T17:02:12	10.9	**8812**	2021-11-25T18:17:40	11.2
982	2021-10-30T05:45:36	7.8	**3593**	2021-11-07T22:21:00	nan	**6203**	2021-11-16T17:07:11	10.6	**8813**	2021-11-25T18:22:41	10.5
983	2021-10-30T05:50:36	7.8	**3594**	2021-11-07T22:21:43	13.0	**6204**	2021-11-16T17:12:12	10.5	**8814**	2021-11-25T18:27:41	9.4
984	2021-10-30T05:55:36	7.7	**3595**	2021-11-07T22:23:00	nan	**6205**	2021-11-16T17:17:11	10.3	**8815**	2021-11-25T18:32:40	9.0
985	2021-10-30T06:00:36	7.6	**3596**	2021-11-07T22:26:43	12.7	**6206**	2021-11-16T17:22:12	10.0	**8816**	2021-11-25T18:37:40	8.6
986	2021-10-30T06:05:37	7.5	**3597**	2021-11-07T22:31:43	12.8	**6207**	2021-11-16T17:27:12	9.8	**8817**	2021-11-25T18:42:40	8.0
987	2021-10-30T06:10:36	7.5	**3598**	2021-11-07T22:36:43	13.0	**6208**	2021-11-16T17:32:11	9.7	**8818**	2021-11-25T18:47:40	7.0
988	2021-10-30T06:15:37	7.4	**3599**	2021-11-07T22:41:44	13.3	**6209**	2021-11-16T17:37:12	9.2	**8819**	2021-11-25T18:52:40	5.9
989	2021-10-30T06:20:36	7.2	**3600**	2021-11-07T22:46:43	12.9	**6210**	2021-11-16T17:42:11	8.7	**8820**	2021-11-25T18:57:40	5.3
990	2021-10-30T06:25:36	7.0	**3601**	2021-11-07T22:51:43	12.7	**6211**	2021-11-16T17:47:11	8.4	**8821**	2021-11-25T19:02:40	4.8
991	2021-10-30T06:30:36	6.7	**3602**	2021-11-07T22:56:43	12.3	**6212**	2021-11-16T17:52:11	8.2	**8822**	2021-11-25T19:03:00	nan
992	2021-10-30T06:35:36	6.4	**3603**	2021-11-07T23:01:43	11.9	**6213**	2021-11-16T17:57:12	8.4	**8823**	2021-11-25T19:07:41	4.6
993	2021-10-30T06:40:36	6.3	**3604**	2021-11-07T23:06:43	11.8	**6214**	2021-11-16T18:02:11	8.2	**8824**	2021-11-25T19:12:42	4.2
994	2021-10-30T06:45:36	6.1	**3605**	2021-11-07T23:11:44	11.4	**6215**	2021-11-16T18:07:11	7.9	**8825**	2021-11-25T19:17:00	nan
995	2021-10-30T06:50:36	5.9	**3606**	2021-11-07T23:16:43	11.4	**6216**	2021-11-16T18:12:11	7.8	**8826**	2021-11-25T19:17:40	4.1
996	2021-10-30T06:55:36	5.8	**3607**	2021-11-07T23:21:44	10.8	**6217**	2021-11-16T18:17:11	7.6	**8827**	2021-11-25T19:22:40	3.8
997	2021-10-30T07:00:37	5.8	**3608**	2021-11-07T23:26:44	10.8	**6218**	2021-11-16T18:22:11	7.4	**8828**	2021-11-25T19:27:40	3.8
998	2021-10-30T07:05:36	5.8	**3609**	2021-11-07T23:31:44	10.2	**6219**	2021-11-16T18:27:11	7.2	**8829**	2021-11-25T19:29:00	nan
999	2021-10-30T07:10:37	5.8	**3610**	2021-11-07T23:36:44	10.5	**6220**	2021-11-16T18:32:12	6.9	**8830**	2021-11-25T19:32:41	4.3
1000	2021-10-30T07:15:36	5.8	**3611**	2021-11-07T23:41:44	10.2	**6221**	2021-11-16T18:37:11	6.6	**8831**	2021-11-25T19:37:40	5.2
1001	2021-10-30T07:20:37	5.6	**3612**	2021-11-07T23:46:44	9.5	**6222**	2021-11-16T18:42:11	6.5	**8832**	2021-11-25T19:42:41	5.7
1002	2021-10-30T07:25:36	5.4	**3613**	2021-11-07T23:51:44	9.1	**6223**	2021-11-16T18:47:11	6.5	**8833**	2021-11-25T19:47:41	5.4
1003	2021-10-30T07:30:37	5.3	**3614**	2021-11-07T23:56:44	8.6	**6224**	2021-11-16T18:50:00	nan	**8834**	2021-11-25T19:52:41	4.9
1004	2021-10-30T07:35:37	5.2	**3615**	2021-11-08T00:01:44	8.0	**6225**	2021-11-16T18:50:00	nan	**8835**	2021-11-25T19:57:41	4.7
1005	2021-10-30T07:40:37	5.1	**3616**	2021-11-08T00:06:43	7.3	**6226**	2021-11-16T18:52:11	6.6	**8836**	2021-11-25T20:02:41	4.5
1006	2021-10-30T07:45:36	5.1	**3617**	2021-11-08T00:11:43	7.1	**6227**	2021-11-16T18:57:12	6.7	**8837**	2021-11-25T20:07:41	4.6
1007	2021-10-30T07:50:36	4.9	**3618**	2021-11-08T00:16:43	7.1	**6228**	2021-11-16T19:02:11	6.6	**8838**	2021-11-25T20:12:42	4.4
1008	2021-10-30T07:55:37	4.9	**3619**	2021-11-08T00:21:45	6.7	**6229**	2021-11-16T19:07:11	6.6	**8839**	2021-11-25T20:17:40	4.2
1009	2021-10-30T08:00:36	4.8	**3620**	2021-11-08T00:26:45	6.3	**6230**	2021-11-16T19:12:11	6.6	**8840**	2021-11-25T20:22:41	4.0
1010	2021-10-30T08:05:37	4.4	**3621**	2021-11-08T00:31:44	6.0	**6231**	2021-11-16T19:17:12	6.6	**8841**	2021-11-25T20:27:40	3.8
1011	2021-10-30T08:10:37	4.1	**3622**	2021-11-08T00:36:44	5.7	**6232**	2021-11-16T19:22:11	6.9	**8842**	2021-11-25T20:32:41	3.8
1012	2021-10-30T08:15:37	4.0	**3623**	2021-11-08T00:41:44	5.3	**6233**	2021-11-16T19:27:12	6.9	**8843**	2021-11-25T20:37:41	3.7
1013	2021-10-30T08:20:36	4.3	**3624**	2021-11-08T00:46:44	4.9	**6234**	2021-11-16T19:32:12	7.2	**8844**	2021-11-25T20:42:40	3.5
1014	2021-10-30T08:25:36	4.2	**3625**	2021-11-08T00:51:44	4.6	**6235**	2021-11-16T19:37:11	7.3	**8845**	2021-11-25T20:47:41	3.4
1015	2021-10-30T08:30:36	4.1	**3626**	2021-11-08T00:56:45	4.3	**6236**	2021-11-16T19:42:11	7.1	**8846**	2021-11-25T20:50:00	nan
1016	2021-10-30T08:35:36	3.9	**3627**	2021-11-08T01:01:44	4.1	**6237**	2021-11-16T19:47:12	7.2	**8847**	2021-11-25T20:52:41	3.7
1017	2021-10-30T08:40:36	3.8	**3628**	2021-11-08T01:02:00	nan	**6238**	2021-11-16T19:52:12	7.1	**8848**	2021-11-25T20:57:41	3.8
1018	2021-10-30T08:44:00	nan	**3629**	2021-11-08T01:06:45	3.8	**6239**	2021-11-16T19:57:12	7.0	**8849**	2021-11-25T21:02:41	4.2
1019	2021-10-30T08:45:36	3.7	**3630**	2021-11-08T01:11:44	3.6	**6240**	2021-11-16T20:02:12	7.3	**8850**	2021-11-25T21:07:41	4.4
1020	2021-10-30T08:50:36	3.4	**3631**	2021-11-08T01:16:44	3.4	**6241**	2021-11-16T20:05:00	nan	**8851**	2021-11-25T21:12:41	4.9
1021	2021-10-30T08:55:37	3.5	**3632**	2021-11-08T01:21:44	3.3	**6242**	2021-11-16T20:07:12	7.4	**8852**	2021-11-25T21:17:42	5.2
1022	2021-10-30T09:00:36	3.7	**3633**	2021-11-08T01:26:44	3.5	**6243**	2021-11-16T20:12:12	7.5	**8853**	2021-11-25T21:22:42	5.3
1023	2021-10-30T09:05:36	3.9	**3634**	2021-11-08T01:31:44	3.5	**6244**	2021-11-16T20:17:12	7.7	**8854**	2021-11-25T21:27:41	5.3
1024	2021-10-30T09:10:36	4.4	**3635**	2021-11-08T01:36:44	3.6	**6245**	2021-11-16T20:22:12	7.9	**8855**	2021-11-25T21:32:41	5.4
1025	2021-10-30T09:15:36	5.0	**3636**	2021-11-08T01:41:44	3.9	**6246**	2021-11-16T20:27:13	8.2	**8856**	2021-11-25T21:37:41	5.6
1026	2021-10-30T09:20:37	5.5	**3637**	2021-11-08T01:46:44	4.1	**6247**	2021-11-16T20:32:13	8.7	**8857**	2021-11-25T21:38:00	nan
1027	2021-10-30T09:25:37	5.9	**3638**	2021-11-08T01:51:44	4.3	**6248**	2021-11-16T20:37:12	8.9	**8858**	2021-11-25T21:42:41	5.9
1028	2021-10-30T09:30:36	5.9	**3639**	2021-11-08T01:56:44	4.3	**6249**	2021-11-16T20:42:12	9.2	**8859**	2021-11-25T21:47:41	6.0
1029	2021-10-30T09:35:37	5.8	**3640**	2021-11-08T02:01:44	4.4	**6250**	2021-11-16T20:47:13	9.4	**8860**	2021-11-25T21:52:41	5.9
1030	2021-10-30T09:40:37	5.6	**3641**	2021-11-08T02:06:44	5.1	**6251**	2021-11-16T20:52:12	9.4	**8861**	2021-11-25T21:57:41	5.9
1031	2021-10-30T09:45:37	5.4	**3642**	2021-11-08T02:11:44	5.6	**6252**	2021-11-16T20:57:12	9.4	**8862**	2021-11-25T22:02:41	6.0

1032	2021-10-30T09:50:36	5.2	**3643**	2021-11-08T02:16:44	6.0	**6253**	2021-11-16T21:02:12	9.2	**8863**	2021-11-25T22:07:42	6.2
1033	2021-10-30T09:55:37	5.1	**3644**	2021-11-08T02:21:45	6.0	**6254**	2021-11-16T21:07:12	9.1	**8864**	2021-11-25T22:12:42	6.3
1034	2021-10-30T10:00:37	4.7	**3645**	2021-11-08T02:26:44	6.2	**6255**	2021-11-16T21:12:12	9.0	**8865**	2021-11-25T22:17:41	6.3
1035	2021-10-30T10:05:37	4.6	**3646**	2021-11-08T02:31:45	6.3	**6256**	2021-11-16T21:17:12	9.0	**8866**	2021-11-25T22:22:41	6.5
1036	2021-10-30T10:10:37	4.4	**3647**	2021-11-08T02:36:44	6.4	**6257**	2021-11-16T21:22:12	8.9	**8867**	2021-11-25T22:27:42	6.4
1037	2021-10-30T10:15:37	4.4	**3648**	2021-11-08T02:41:44	6.5	**6258**	2021-11-16T21:27:13	8.9	**8868**	2021-11-25T22:32:40	6.5
1038	2021-10-30T10:20:36	4.3	**3649**	2021-11-08T02:46:44	6.8	**6259**	2021-11-16T21:32:12	9.1	**8869**	2021-11-25T22:37:41	6.4
1039	2021-10-30T10:25:37	4.2	**3650**	2021-11-08T02:51:44	6.9	**6260**	2021-11-16T21:37:12	9.2	**8870**	2021-11-25T22:42:41	6.6
1040	2021-10-30T10:30:36	3.9	**3651**	2021-11-08T02:56:44	7.2	**6261**	2021-11-16T21:41:00	nan	**8871**	2021-11-25T22:47:41	6.8
1041	2021-10-30T10:35:36	3.8	**3652**	2021-11-08T03:01:45	7.5	**6262**	2021-11-16T21:42:12	9.3	**8872**	2021-11-25T22:52:41	6.7
1042	2021-10-30T10:40:37	3.8	**3653**	2021-11-08T03:06:45	7.7	**6263**	2021-11-16T21:43:00	nan	**8873**	2021-11-25T22:57:41	6.9
1043	2021-10-30T10:45:36	3.9	**3654**	2021-11-08T03:11:44	8.0	**6264**	2021-11-16T21:47:12	9.5	**8874**	2021-11-25T23:02:41	7.0
1044	2021-10-30T10:48:00	nan	**3655**	2021-11-08T03:16:44	8.5	**6265**	2021-11-16T21:52:12	9.7	**8875**	2021-11-25T23:07:42	7.0
1045	2021-10-30T10:50:37	4.0	**3656**	2021-11-08T03:21:44	9.2	**6266**	2021-11-16T21:57:12	9.9	**8876**	2021-11-25T23:12:41	7.0
1046	2021-10-30T10:55:36	4.1	**3657**	2021-11-08T03:26:44	9.3	**6267**	2021-11-16T22:02:12	9.9	**8877**	2021-11-25T23:17:40	7.0
1047	2021-10-30T11:00:36	4.2	**3658**	2021-11-08T03:31:44	9.4	**6268**	2021-11-16T22:07:12	10.0	**8878**	2021-11-25T23:22:40	7.0
1048	2021-10-30T11:01:00	nan	**3659**	2021-11-08T03:36:45	9.4	**6269**	2021-11-16T22:12:13	9.9	**8879**	2021-11-25T23:27:41	7.0
1049	2021-10-30T11:05:36	4.8	**3660**	2021-11-08T03:41:44	9.5	**6270**	2021-11-16T22:17:12	9.5	**8880**	2021-11-25T23:32:40	7.0
1050	2021-10-30T11:10:36	5.7	**3661**	2021-11-08T03:46:44	9.8	**6271**	2021-11-16T22:22:13	10.0	**8881**	2021-11-25T23:37:40	7.0
1051	2021-10-30T11:15:37	6.5	**3662**	2021-11-08T03:51:44	10.1	**6272**	2021-11-16T22:27:12	10.3	**8882**	2021-11-25T23:42:40	7.0
1052	2021-10-30T11:20:37	7.0	**3663**	2021-11-08T03:56:44	10.7	**6273**	2021-11-16T22:32:13	10.3	**8883**	2021-11-25T23:47:40	7.0
1053	2021-10-30T11:25:37	7.6	**3664**	2021-11-08T04:01:45	11.0	**6274**	2021-11-16T22:37:12	10.4	**8884**	2021-11-25T23:52:40	7.0
1054	2021-10-30T11:30:36	8.4	**3665**	2021-11-08T04:06:44	11.4	**6275**	2021-11-16T22:42:12	10.5	**8885**	2021-11-25T23:57:41	6.8
1055	2021-10-30T11:35:36	8.8	**3666**	2021-11-08T04:11:44	11.8	**6276**	2021-11-16T22:47:12	10.4	**8886**	2021-11-26T00:02:41	6.6
1056	2021-10-30T11:40:36	8.7	**3667**	2021-11-08T04:16:43	12.2	**6277**	2021-11-16T22:52:13	10.2	**8887**	2021-11-26T00:07:41	6.9
1057	2021-10-30T11:45:36	8.4	**3668**	2021-11-08T04:21:44	12.4	**6278**	2021-11-16T22:57:12	10.1	**8888**	2021-11-26T00:12:41	7.1
1058	2021-10-30T11:50:36	7.7	**3669**	2021-11-08T04:26:44	12.5	**6279**	2021-11-16T23:02:12	10.3	**8889**	2021-11-26T00:17:42	6.7
1059	2021-10-30T11:55:00	nan	**3670**	2021-11-08T04:31:44	12.8	**6280**	2021-11-16T23:07:13	10.0	**8890**	2021-11-26T00:22:42	8.0
1060	2021-10-30T11:55:37	6.7	**3671**	2021-11-08T04:36:44	12.9	**6281**	2021-11-16T23:12:12	9.9	**8891**	2021-11-26T00:27:42	8.3
1061	2021-10-30T12:00:37	5.6	**3672**	2021-11-08T04:41:45	13.0	**6282**	2021-11-16T23:17:13	10.0	**8892**	2021-11-26T00:32:42	8.8
1062	2021-10-30T12:05:36	4.8	**3673**	2021-11-08T04:46:45	12.9	**6283**	2021-11-16T23:22:12	10.0	**8893**	2021-11-26T00:37:42	9.3
1063	2021-10-30T12:10:00	nan	**3674**	2021-11-08T04:51:44	12.3	**6284**	2021-11-16T23:27:12	10.0	**8894**	2021-11-26T00:42:42	9.5
1064	2021-10-30T12:10:36	4.2	**3675**	2021-11-08T04:56:45	12.1	**6285**	2021-11-16T23:32:12	10.1	**8895**	2021-11-26T00:47:41	9.7
1065	2021-10-30T12:15:37	3.4	**3676**	2021-11-08T05:01:45	12.3	**6286**	2021-11-16T23:37:12	10.1	**8896**	2021-11-26T00:52:42	9.4
1066	2021-10-30T12:20:36	3.1	**3677**	2021-11-08T05:06:45	12.5	**6287**	2021-11-16T23:42:00	nan	**8897**	2021-11-26T00:57:42	9.8
1067	2021-10-30T12:22:00	nan	**3678**	2021-11-08T05:11:44	12.7	**6288**	2021-11-16T23:42:12	10.1	**8898**	2021-11-26T01:02:41	10.1
1068	2021-10-30T12:25:00	nan	**3679**	2021-11-08T05:16:45	12.7	**6289**	2021-11-16T23:47:13	10.3	**8899**	2021-11-26T01:07:42	10.3
1069	2021-10-30T12:25:36	3.4	**3680**	2021-11-08T05:21:44	12.3	**6290**	2021-11-16T23:52:12	10.3	**8900**	2021-11-26T01:12:42	10.6
1070	2021-10-30T12:30:36	4.1	**3681**	2021-11-08T05:26:44	12.1	**6291**	2021-11-16T23:57:13	10.1	**8901**	2021-11-26T01:17:41	10.8
1071	2021-10-30T12:35:36	4.5	**3682**	2021-11-08T05:31:44	11.9	**6292**	2021-11-17T00:02:12	10.1	**8902**	2021-11-26T01:22:41	11.0
1072	2021-10-30T12:40:36	4.8	**3683**	2021-11-08T05:36:44	11.7	**6293**	2021-11-17T00:07:13	10.3	**8903**	2021-11-26T01:27:41	11.3
1073	2021-10-30T12:45:36	4.8	**3684**	2021-11-08T05:41:45	11.7	**6294**	2021-11-17T00:12:13	10.1	**8904**	2021-11-26T01:32:42	11.4
1074	2021-10-30T12:50:37	4.6	**3685**	2021-11-08T05:46:45	11.8	**6295**	2021-11-17T00:17:13	10.2	**8905**	2021-11-26T01:37:41	11.7
1075	2021-10-30T12:55:36	4.4	**3686**	2021-11-08T05:51:45	11.9	**6296**	2021-11-17T00:22:12	10.0	**8906**	2021-11-26T01:42:41	12.1
1076	2021-10-30T13:00:37	4.2	**3687**	2021-11-08T05:56:45	11.8	**6297**	2021-11-17T00:27:12	9.9	**8907**	2021-11-26T01:47:42	12.2
1077	2021-10-30T13:05:36	4.1	**3688**	2021-11-08T06:01:44	11.9	**6298**	2021-11-17T00:28:00	nan	**8908**	2021-11-26T01:52:41	11.7
1078	2021-10-30T13:10:37	4.0	**3689**	2021-11-08T06:06:45	11.9	**6299**	2021-11-17T00:32:13	9.4	**8909**	2021-11-26T01:57:41	11.8
1079	2021-10-30T13:15:37	3.9	**3690**	2021-11-08T06:11:44	11.9	**6300**	2021-11-17T00:37:13	8.9	**8910**	2021-11-26T02:02:41	11.7
1080	2021-10-30T13:20:37	3.9	**3691**	2021-11-08T06:16:44	11.9	**6301**	2021-11-17T00:42:12	9.0	**8911**	2021-11-26T02:07:42	11.9
1081	2021-10-30T13:25:37	4.0	**3692**	2021-11-08T06:21:44	11.9	**6302**	2021-11-17T00:47:12	9.5	**8912**	2021-11-26T02:12:42	12.8
1082	2021-10-30T13:30:37	4.2	**3693**	2021-11-08T06:26:44	12.0	**6303**	2021-11-17T00:52:13	9.8	**8913**	2021-11-26T02:17:42	12.7
1083	2021-10-30T13:35:37	4.4	**3694**	2021-11-08T06:31:45	12.0	**6304**	2021-11-17T00:57:13	9.9	**8914**	2021-11-26T02:22:42	12.1
1084	2021-10-30T13:40:36	4.6	**3695**	2021-11-08T06:36:44	11.9	**6305**	2021-11-17T01:02:13	9.9	**8915**	2021-11-26T02:23:00	nan
1085	2021-10-30T13:45:37	4.8	**3696**	2021-11-08T06:41:44	11.8	**6306**	2021-11-17T01:07:13	9.9	**8916**	2021-11-26T02:27:42	10.9
1086	2021-10-30T13:50:37	5.2	**3697**	2021-11-08T06:46:45	11.7	**6307**	2021-11-17T01:12:13	10.0	**8917**	2021-11-26T02:32:41	10.6

1087	2021-10-30T13:55:37	5.8	**3698**	2021-11-08T06:51:45	11.7	**6308**	2021-11-17T01:17:12	10.0	**8918**	2021-11-26T02:37:42	11.1
1088	2021-10-30T14:00:37	6.3	**3699**	2021-11-08T06:56:46	11.3	**6309**	2021-11-17T01:22:12	10.2	**8919**	2021-11-26T02:42:42	11.8
1089	2021-10-30T14:05:37	6.8	**3700**	2021-11-08T07:01:45	11.5	**6310**	2021-11-17T01:27:13	10.4	**8920**	2021-11-26T02:47:41	12.3
1090	2021-10-30T14:10:37	7.2	**3701**	2021-11-08T07:06:45	11.8	**6311**	2021-11-17T01:32:13	10.4	**8921**	2021-11-26T02:52:41	12.6
1091	2021-10-30T14:15:38	7.4	**3702**	2021-11-08T07:11:46	12.0	**6312**	2021-11-17T01:37:13	10.4	**8922**	2021-11-26T02:57:42	12.6
1092	2021-10-30T14:20:37	7.7	**3703**	2021-11-08T07:16:46	12.2	**6313**	2021-11-17T01:42:13	10.0	**8923**	2021-11-26T03:02:42	12.2
1093	2021-10-30T14:25:37	7.9	**3704**	2021-11-08T07:21:44	12.3	**6314**	2021-11-17T01:47:13	9.9	**8924**	2021-11-26T03:07:41	12.0
1094	2021-10-30T14:30:36	8.1	**3705**	2021-11-08T07:26:45	12.5	**6315**	2021-11-17T01:52:13	9.8	**8925**	2021-11-26T03:12:42	11.9
1095	2021-10-30T14:35:36	8.3	**3706**	2021-11-08T07:31:45	12.0	**6316**	2021-11-17T01:57:13	9.6	**8926**	2021-11-26T03:17:41	11.6
1096	2021-10-30T14:40:36	8.6	**3707**	2021-11-08T07:36:44	12.4	**6317**	2021-11-17T02:02:12	9.6	**8927**	2021-11-26T03:22:41	11.3
1097	2021-10-30T14:45:36	8.9	**3708**	2021-11-08T07:41:45	12.6	**6318**	2021-11-17T02:07:13	9.5	**8928**	2021-11-26T03:27:41	11.0
1098	2021-10-30T14:50:37	9.2	**3709**	2021-11-08T07:46:44	12.5	**6319**	2021-11-17T02:12:13	9.5	**8929**	2021-11-26T03:32:42	10.7
1099	2021-10-30T14:55:36	9.4	**3710**	2021-11-08T07:51:45	12.5	**6320**	2021-11-17T02:17:13	9.3	**8930**	2021-11-26T03:37:42	10.4
1100	2021-10-30T15:00:36	9.4	**3711**	2021-11-08T07:56:45	12.5	**6321**	2021-11-17T02:22:12	9.2	**8931**	2021-11-26T03:42:42	9.9
1101	2021-10-30T15:05:37	9.4	**3712**	2021-11-08T08:01:45	12.5	**6322**	2021-11-17T02:27:12	9.0	**8932**	2021-11-26T03:47:42	9.7
1102	2021-10-30T15:10:36	9.2	**3713**	2021-11-08T08:06:44	11.9	**6323**	2021-11-17T02:32:13	8.7	**8933**	2021-11-26T03:52:42	9.4
1103	2021-10-30T15:15:38	9.0	**3714**	2021-11-08T08:11:45	11.8	**6324**	2021-11-17T02:37:13	8.4	**8934**	2021-11-26T03:57:42	9.2
1104	2021-10-30T15:20:37	8.9	**3715**	2021-11-08T08:16:44	11.7	**6325**	2021-11-17T02:42:13	8.2	**8935**	2021-11-26T04:02:42	9.4
1105	2021-10-30T15:25:37	8.9	**3716**	2021-11-08T08:21:44	12.8	**6326**	2021-11-17T02:47:13	8.0	**8936**	2021-11-26T04:07:42	9.6
1106	2021-10-30T15:30:37	8.9	**3717**	2021-11-08T08:26:45	13.0	**6327**	2021-11-17T02:52:14	7.9	**8937**	2021-11-26T04:12:43	9.4
1107	2021-10-30T15:35:38	9.2	**3718**	2021-11-08T08:31:45	13.2	**6328**	2021-11-17T02:57:13	7.7	**8938**	2021-11-26T04:17:42	9.1
1108	2021-10-30T15:40:37	9.4	**3719**	2021-11-08T08:36:45	13.2	**6329**	2021-11-17T03:02:13	7.6	**8939**	2021-11-26T04:22:42	8.8
1109	2021-10-30T15:45:37	9.4	**3720**	2021-11-08T08:41:45	13.0	**6330**	2021-11-17T03:07:13	7.4	**8940**	2021-11-26T04:27:42	8.5
1110	2021-10-30T15:50:37	9.8	**3721**	2021-11-08T08:46:45	12.9	**6331**	2021-11-17T03:12:13	7.3	**8941**	2021-11-26T04:32:42	8.3
1111	2021-10-30T15:55:37	9.6	**3722**	2021-11-08T08:51:45	12.7	**6332**	2021-11-17T03:17:13	7.3	**8942**	2021-11-26T04:37:42	8.0
1112	2021-10-30T16:00:37	9.6	**3723**	2021-11-08T08:56:45	12.8	**6333**	2021-11-17T03:22:12	7.5	**8943**	2021-11-26T04:42:42	8.0
1113	2021-10-30T16:05:38	9.7	**3724**	2021-11-08T09:01:46	12.5	**6334**	2021-11-17T03:27:12	7.5	**8944**	2021-11-26T04:47:42	7.7
1114	2021-10-30T16:10:37	9.7	**3725**	2021-11-08T09:06:45	12.4	**6335**	2021-11-17T03:32:12	7.5	**8945**	2021-11-26T04:52:42	6.5
1115	2021-10-30T16:15:38	9.6	**3726**	2021-11-08T09:11:45	12.4	**6336**	2021-11-17T03:37:12	7.5	**8946**	2021-11-26T04:57:42	6.1
1116	2021-10-30T16:20:37	9.6	**3727**	2021-11-08T09:16:45	12.4	**6337**	2021-11-17T03:42:13	7.4	**8947**	2021-11-26T05:02:42	5.9
1117	2021-10-30T16:22:00	nan	**3728**	2021-11-08T09:21:45	12.6	**6338**	2021-11-17T03:47:12	7.3	**8948**	2021-11-26T05:07:42	6.3
1118	2021-10-30T16:25:37	9.4	**3729**	2021-11-08T09:26:45	12.7	**6339**	2021-11-17T03:52:12	7.2	**8949**	2021-11-26T05:12:43	6.2
1119	2021-10-30T16:30:37	9.2	**3730**	2021-11-08T09:31:45	12.7	**6340**	2021-11-17T03:57:13	7.2	**8950**	2021-11-26T05:17:42	6.4
1120	2021-10-30T16:35:37	9.1	**3731**	2021-11-08T09:36:46	12.8	**6341**	2021-11-17T04:02:12	7.1	**8951**	2021-11-26T05:22:42	6.8
1121	2021-10-30T16:40:37	9.0	**3732**	2021-11-08T09:41:45	12.9	**6342**	2021-11-17T04:07:13	7.0	**8952**	2021-11-26T05:27:42	6.9
1122	2021-10-30T16:45:37	8.8	**3733**	2021-11-08T09:46:45	12.9	**6343**	2021-11-17T04:12:14	7.0	**8953**	2021-11-26T05:32:42	7.0
1123	2021-10-30T16:50:37	8.3	**3734**	2021-11-08T09:51:45	12.9	**6344**	2021-11-17T04:17:14	7.0	**8954**	2021-11-26T05:37:42	7.0
1124	2021-10-30T16:55:37	7.5	**3735**	2021-11-08T09:56:45	12.7	**6345**	2021-11-17T04:22:13	6.7	**8955**	2021-11-26T05:42:42	6.9
1125	2021-10-30T17:00:37	6.9	**3736**	2021-11-08T10:01:47	12.9	**6346**	2021-11-17T04:27:13	6.4	**8956**	2021-11-26T05:47:43	6.9
1126	2021-10-30T17:05:37	6.3	**3737**	2021-11-08T10:06:46	13.0	**6347**	2021-11-17T04:32:13	6.1	**8957**	2021-11-26T05:52:42	6.9
1127	2021-10-30T17:10:37	5.8	**3738**	2021-11-08T10:11:46	12.9	**6348**	2021-11-17T04:37:13	6.0	**8958**	2021-11-26T05:57:42	6.8
1128	2021-10-30T17:15:00	nan	**3739**	2021-11-08T10:12:00	nan	**6349**	2021-11-17T04:42:13	6.1	**8959**	2021-11-26T06:02:42	6.7
1129	2021-10-30T17:15:37	5.5	**3740**	2021-11-08T10:16:45	12.3	**6350**	2021-11-17T04:47:13	6.3	**8960**	2021-11-26T06:07:42	5.7
1130	2021-10-30T17:20:38	5.1	**3741**	2021-11-08T10:21:44	12.4	**6351**	2021-11-17T04:52:13	6.2	**8961**	2021-11-26T06:12:43	5.3
1131	2021-10-30T17:25:38	4.9	**3742**	2021-11-08T10:23:00	nan	**6352**	2021-11-17T04:57:12	6.1	**8962**	2021-11-26T06:17:43	5.3
1132	2021-10-30T17:30:38	4.7	**3743**	2021-11-08T10:26:44	12.5	**6353**	2021-11-17T05:02:12	6.0	**8963**	2021-11-26T06:22:42	5.8
1133	2021-10-30T17:35:37	4.6	**3744**	2021-11-08T10:31:45	12.3	**6354**	2021-11-17T05:07:12	6.2	**8964**	2021-11-26T06:27:42	5.9
1134	2021-10-30T17:40:38	4.5	**3745**	2021-11-08T10:36:45	12.4	**6355**	2021-11-17T05:12:13	6.2	**8965**	2021-11-26T06:32:42	5.8
1135	2021-10-30T17:45:38	4.7	**3746**	2021-11-08T10:41:45	12.6	**6356**	2021-11-17T05:17:12	6.0	**8966**	2021-11-26T06:37:43	5.6
1136	2021-10-30T17:50:38	5.2	**3747**	2021-11-08T10:46:45	12.8	**6357**	2021-11-17T05:22:14	5.9	**8967**	2021-11-26T06:42:42	5.4
1137	2021-10-30T17:55:38	5.7	**3748**	2021-11-08T10:51:44	12.7	**6358**	2021-11-17T05:27:13	5.8	**8968**	2021-11-26T06:47:42	5.3
1138	2021-10-30T17:56:00	nan	**3749**	2021-11-08T10:56:45	12.7	**6359**	2021-11-17T05:32:12	5.7	**8969**	2021-11-26T06:52:42	5.4
1139	2021-10-30T18:00:38	6.7	**3750**	2021-11-08T11:01:45	12.7	**6360**	2021-11-17T05:37:14	5.6	**8970**	2021-11-26T06:57:42	5.4
1140	2021-10-30T18:05:38	7.5	**3751**	2021-11-08T11:06:45	12.6	**6361**	2021-11-17T05:42:13	5.4	**8971**	2021-11-26T07:02:43	5.6
1141	2021-10-30T18:10:38	8.3	**3752**	2021-11-08T11:11:45	12.7	**6362**	2021-11-17T05:47:13	5.4	**8972**	2021-11-26T07:07:43	5.4

1142	2021-10-30T18:15:37	8.9	3753	2021-11-08T11:16:45	12.6	6363	2021-11-17T05:52:12	5.3	8973	2021-11-26T07:12:42	5.3
1143	2021-10-30T18:20:37	9.1	3754	2021-11-08T11:21:45	12.5	6364	2021-11-17T05:57:13	5.3	8974	2021-11-26T07:17:42	5.8
1144	2021-10-30T18:25:38	9.1	3755	2021-11-08T11:26:46	12.4	6365	2021-11-17T06:02:13	5.3	8975	2021-11-26T07:22:42	5.7
1145	2021-10-30T18:30:37	8.4	3756	2021-11-08T11:31:45	12.2	6366	2021-11-17T06:07:13	5.3	8976	2021-11-26T07:27:42	5.7
1146	2021-10-30T18:35:38	7.3	3757	2021-11-08T11:36:45	12.1	6367	2021-11-17T06:12:13	5.3	8977	2021-11-26T07:32:42	5.5
1147	2021-10-30T18:40:38	6.4	3758	2021-11-08T11:41:45	12.0	6368	2021-11-17T06:17:13	5.3	8978	2021-11-26T07:37:42	5.1
1148	2021-10-30T18:45:37	5.5	3759	2021-11-08T11:46:45	11.9	6369	2021-11-17T06:22:13	5.2	8979	2021-11-26T07:42:42	4.8
1149	2021-10-30T18:50:37	4.5	3760	2021-11-08T11:51:45	11.8	6370	2021-11-17T06:27:13	5.1	8980	2021-11-26T07:47:42	4.8
1150	2021-10-30T18:55:37	3.4	3761	2021-11-08T11:56:45	11.6	6371	2021-11-17T06:32:13	4.9	8981	2021-11-26T07:52:43	4.7
1151	2021-10-30T18:56:00	nan	3762	2021-11-08T12:01:45	11.4	6372	2021-11-17T06:37:13	4.8	8982	2021-11-26T07:57:43	4.6
1152	2021-10-30T19:00:38	2.7	3763	2021-11-08T12:06:45	11.3	6373	2021-11-17T06:42:13	4.8	8983	2021-11-26T08:02:43	4.6
1153	2021-10-30T19:05:37	2.8	3764	2021-11-08T12:11:45	11.2	6374	2021-11-17T06:47:14	4.7	8984	2021-11-26T08:07:43	4.6
1154	2021-10-30T19:10:38	3.1	3765	2021-11-08T12:16:45	11.0	6375	2021-11-17T06:52:13	4.7	8985	2021-11-26T08:12:42	4.5
1155	2021-10-30T19:15:37	3.7	3766	2021-11-08T12:21:45	10.8	6376	2021-11-17T06:57:14	4.8	8986	2021-11-26T08:17:42	4.4
1156	2021-10-30T19:20:37	4.2	3767	2021-11-08T12:26:46	10.6	6377	2021-11-17T07:02:13	4.9	8987	2021-11-26T08:21:00	nan
1157	2021-10-30T19:25:00	nan	3768	2021-11-08T12:31:46	10.4	6378	2021-11-17T07:07:13	4.8	8988	2021-11-26T08:22:42	4.4
1158	2021-10-30T19:25:37	4.3	3769	2021-11-08T12:34:00	nan	6379	2021-11-17T07:12:13	4.7	8989	2021-11-26T08:27:42	4.1
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1160	2021-10-30T19:35:37	4.8	3771	2021-11-08T12:36:45	10.3	6381	2021-11-17T07:22:13	4.8	8991	2021-11-26T08:37:42	4.6
1161	2021-10-30T19:40:38	5.1	3772	2021-11-08T12:41:45	10.0	6382	2021-11-17T07:27:13	4.7	8992	2021-11-26T08:42:42	4.8
1162	2021-10-30T19:45:37	5.6	3773	2021-11-08T12:46:46	9.8	6383	2021-11-17T07:32:13	4.7	8993	2021-11-26T08:47:42	5.3
1163	2021-10-30T19:50:37	5.6	3774	2021-11-08T12:51:46	9.7	6384	2021-11-17T07:37:13	4.7	8994	2021-11-26T08:52:42	5.8
1164	2021-10-30T19:55:37	6.0	3775	2021-11-08T12:56:46	9.7	6385	2021-11-17T07:42:13	4.7	8995	2021-11-26T08:57:42	6.3
1165	2021-10-30T20:00:38	6.4	3776	2021-11-08T13:01:45	10.0	6386	2021-11-17T07:47:13	4.7	8996	2021-11-26T09:02:42	6.8
1166	2021-10-30T20:05:37	6.8	3777	2021-11-08T13:06:45	10.2	6387	2021-11-17T07:52:13	4.8	8997	2021-11-26T09:07:43	6.6
1167	2021-10-30T20:10:37	7.5	3778	2021-11-08T13:11:46	10.1	6388	2021-11-17T07:57:14	4.6	8998	2021-11-26T09:12:43	6.4
1168	2021-10-30T20:15:38	8.0	3779	2021-11-08T13:16:45	10.0	6389	2021-11-17T08:02:12	4.7	8999	2021-11-26T09:17:42	6.1
1169	2021-10-30T20:20:38	8.2	3780	2021-11-08T13:21:45	9.2	6390	2021-11-17T08:07:13	4.9	9000	2021-11-26T09:22:42	5.9
1170	2021-10-30T20:25:38	8.3	3781	2021-11-08T13:26:46	8.4	6391	2021-11-17T08:12:13	5.1	9001	2021-11-26T09:27:42	5.8
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1172	2021-10-30T20:35:38	8.4	3783	2021-11-08T13:36:45	7.6	6393	2021-11-17T08:22:13	5.2	9003	2021-11-26T09:37:42	5.6
1173	2021-10-30T20:40:37	8.6	3784	2021-11-08T13:41:46	7.3	6394	2021-11-17T08:27:13	5.3	9004	2021-11-26T09:42:42	5.6
1174	2021-10-30T20:45:38	8.9	3785	2021-11-08T13:46:46	7.1	6395	2021-11-17T08:32:13	5.3	9005	2021-11-26T09:47:43	5.3
1175	2021-10-30T20:50:38	9.2	3786	2021-11-08T13:51:45	7.0	6396	2021-11-17T08:37:13	5.2	9006	2021-11-26T09:52:43	4.9
1176	2021-10-30T20:55:38	9.5	3787	2021-11-08T13:56:46	6.9	6397	2021-11-17T08:42:13	5.1	9007	2021-11-26T09:57:43	4.7
1177	2021-10-30T21:00:38	10.1	3788	2021-11-08T14:01:45	6.8	6398	2021-11-17T08:47:13	5.1	9008	2021-11-26T10:02:42	4.5
1178	2021-10-30T21:05:37	10.9	3789	2021-11-08T14:06:45	6.9	6399	2021-11-17T08:52:13	5.1	9009	2021-11-26T10:07:43	4.5
1179	2021-10-30T21:10:37	11.7	3790	2021-11-08T14:11:45	6.8	6400	2021-11-17T08:57:13	5.1	9010	2021-11-26T10:12:43	4.6
1180	2021-10-30T21:15:38	12.1	3791	2021-11-08T14:16:45	6.8	6401	2021-11-17T09:02:14	5.2	9011	2021-11-26T10:17:42	4.6
1181	2021-10-30T21:20:38	11.8	3792	2021-11-08T14:21:45	6.9	6402	2021-11-17T09:07:14	5.3	9012	2021-11-26T10:22:42	4.6
1182	2021-10-30T21:25:38	12.4	3793	2021-11-08T14:26:45	6.9	6403	2021-11-17T09:12:14	5.2	9013	2021-11-26T10:27:42	4.6
1183	2021-10-30T21:30:38	13.2	3794	2021-11-08T14:31:45	7.1	6404	2021-11-17T09:17:14	5.2	9014	2021-11-26T10:32:43	4.5
1184	2021-10-30T21:35:38	14.0	3795	2021-11-08T14:36:45	7.3	6405	2021-11-17T09:18:00	nan	9015	2021-11-26T10:37:42	4.5
1185	2021-10-30T21:38:00	nan	3796	2021-11-08T14:41:46	7.4	6406	2021-11-17T09:22:14	5.3	9016	2021-11-26T10:42:43	4.4
1186	2021-10-30T21:40:38	14.7	3797	2021-11-08T14:46:46	7.4	6407	2021-11-17T09:24:00	nan	9017	2021-11-26T10:47:43	4.4
1187	2021-10-30T21:45:38	14.8	3798	2021-11-08T14:51:46	7.5	6408	2021-11-17T09:27:00	nan	9018	2021-11-26T10:52:42	4.4
1188	2021-10-30T21:50:38	15.0	3799	2021-11-08T14:56:45	7.5	6409	2021-11-17T09:27:14	5.5	9019	2021-11-26T10:57:42	4.4
1189	2021-10-30T21:55:38	15.3	3800	2021-11-08T15:01:46	7.7	6410	2021-11-17T09:32:14	5.9	9020	2021-11-26T11:02:42	4.4
1190	2021-10-30T22:00:39	15.5	3801	2021-11-08T15:06:46	7.9	6411	2021-11-17T09:37:13	6.3	9021	2021-11-26T11:07:42	4.3
1191	2021-10-30T22:05:38	15.9	3802	2021-11-08T15:07:00	nan	6412	2021-11-17T09:42:14	7.5	9022	2021-11-26T11:12:43	4.2
1192	2021-10-30T22:10:39	16.1	3803	2021-11-08T15:11:46	7.9	6413	2021-11-17T09:47:14	8.2	9023	2021-11-26T11:17:42	4.3
1193	2021-10-30T22:15:39	16.2	3804	2021-11-08T15:16:46	8.3	6414	2021-11-17T09:52:14	8.9	9024	2021-11-26T11:22:43	4.3
1194	2021-10-30T22:20:38	16.2	3805	2021-11-08T15:21:45	8.7	6415	2021-11-17T09:57:14	9.4	9025	2021-11-26T11:27:43	4.1
1195	2021-10-30T22:25:37	16.4	3806	2021-11-08T15:26:46	8.9	6416	2021-11-17T10:02:14	9.3	9026	2021-11-26T11:30:00	nan
1196	2021-10-30T22:30:37	16.3	3807	2021-11-08T15:31:46	9.3	6417	2021-11-17T10:07:13	9.1	9027	2021-11-26T11:32:44	4.1

1197	2021-10-30T22:35:37	16.3	**3808**	2021-11-08T15:36:46	9.4	**6418**	2021-11-17T10:12:14	8.8	**9028**	2021-11-26T11:37:43	4.1
1198	2021-10-30T22:37:00	nan	**3809**	2021-11-08T15:41:45	9.4	**6419**	2021-11-17T10:17:14	8.8	**9029**	2021-11-26T11:42:43	4.2
1199	2021-10-30T22:40:37	16.2	**3810**	2021-11-08T15:46:45	9.8	**6420**	2021-11-17T10:22:14	8.9	**9030**	2021-11-26T11:47:43	4.8
1200	2021-10-30T22:45:38	16.0	**3811**	2021-11-08T15:51:45	10.3	**6421**	2021-11-17T10:27:14	8.8	**9031**	2021-11-26T11:52:43	5.3
1201	2021-10-30T22:50:38	16.0	**3812**	2021-11-08T15:56:45	10.4	**6422**	2021-11-17T10:32:14	8.8	**9032**	2021-11-26T11:57:43	6.1
1202	2021-10-30T22:55:37	15.9	**3813**	2021-11-08T16:01:46	10.4	**6423**	2021-11-17T10:33:00	nan	**9033**	2021-11-26T12:02:43	7.2
1203	2021-10-30T23:00:37	15.9	**3814**	2021-11-08T16:06:45	10.5	**6424**	2021-11-17T10:37:14	8.8	**9034**	2021-11-26T12:07:43	7.9
1204	2021-10-30T23:05:37	15.9	**3815**	2021-11-08T16:11:46	10.7	**6425**	2021-11-17T10:42:14	8.7	**9035**	2021-11-26T12:12:44	8.6
1205	2021-10-30T23:10:37	15.4	**3816**	2021-11-08T16:16:45	10.8	**6426**	2021-11-17T10:47:14	8.5	**9036**	2021-11-26T12:17:42	8.9
1206	2021-10-30T23:13:00	nan	**3817**	2021-11-08T16:21:46	10.5	**6427**	2021-11-17T10:52:14	8.5	**9037**	2021-11-26T12:22:42	8.7
1207	2021-10-30T23:15:38	15.1	**3818**	2021-11-08T16:26:45	10.2	**6428**	2021-11-17T10:57:14	8.1	**9038**	2021-11-26T12:27:43	7.8
1208	2021-10-30T23:20:38	14.5	**3819**	2021-11-08T16:31:46	10.0	**6429**	2021-11-17T11:02:13	8.2	**9039**	2021-11-26T12:32:43	6.8
1209	2021-10-30T23:25:38	13.9	**3820**	2021-11-08T16:36:46	10.1	**6430**	2021-11-17T11:07:13	8.0	**9040**	2021-11-26T12:37:43	6.0
1210	2021-10-30T23:30:38	13.4	**3821**	2021-11-08T16:41:46	10.4	**6431**	2021-11-17T11:12:14	7.8	**9041**	2021-11-26T12:42:42	5.5
1211	2021-10-30T23:35:38	13.0	**3822**	2021-11-08T16:46:46	10.4	**6432**	2021-11-17T11:17:14	7.5	**9042**	2021-11-26T12:47:43	5.2
1212	2021-10-30T23:40:38	13.2	**3823**	2021-11-08T16:51:46	10.2	**6433**	2021-11-17T11:22:14	7.4	**9043**	2021-11-26T12:52:43	5.0
1213	2021-10-30T23:45:00	nan	**3824**	2021-11-08T16:56:46	8.9	**6434**	2021-11-17T11:27:14	7.3	**9044**	2021-11-26T12:57:43	4.9
1214	2021-10-30T23:45:38	13.3	**3825**	2021-11-08T17:31:46	12.2	**6435**	2021-11-17T11:32:14	7.0	**9045**	2021-11-26T13:02:43	4.9
1215	2021-10-30T23:50:38	13.4	**3826**	2021-11-08T17:36:46	12.3	**6436**	2021-11-17T11:37:14	6.8	**9046**	2021-11-26T13:07:43	4.9
1216	2021-10-30T23:55:38	13.4	**3827**	2021-11-08T17:41:46	12.7	**6437**	2021-11-17T11:42:14	6.6	**9047**	2021-11-26T13:12:43	5.0
1217	2021-10-31T00:00:38	13.7	**3828**	2021-11-08T17:46:46	12.6	**6438**	2021-11-17T11:47:14	6.4	**9048**	2021-11-26T13:17:43	5.1
1218	2021-10-31T00:05:37	13.5	**3829**	2021-11-08T17:50:00	nan	**6439**	2021-11-17T11:52:14	6.3	**9049**	2021-11-26T13:22:43	5.1
1219	2021-10-31T00:10:38	13.4	**3830**	2021-11-08T17:50:00	nan	**6440**	2021-11-17T11:57:14	6.1	**9050**	2021-11-26T13:25:00	nan
1220	2021-10-31T00:12:00	nan	**3831**	2021-11-08T17:51:46	12.7	**6441**	2021-11-17T12:02:13	5.9	**9051**	2021-11-26T13:25:00	nan
1221	2021-10-31T00:15:38	12.9	**3832**	2021-11-08T17:56:46	12.9	**6442**	2021-11-17T12:07:14	5.8	**9052**	2021-11-26T13:27:42	5.1
1222	2021-10-31T00:20:38	12.6	**3833**	2021-11-08T18:01:47	13.1	**6443**	2021-11-17T12:12:14	5.6	**9053**	2021-11-26T13:32:43	5.1
1223	2021-10-31T00:25:37	12.3	**3834**	2021-11-08T18:06:46	13.3	**6444**	2021-11-17T12:17:13	5.5	**9054**	2021-11-26T13:37:43	4.9
1224	2021-10-31T00:30:38	12.1	**3835**	2021-11-08T18:11:46	13.7	**6445**	2021-11-17T12:22:14	5.5	**9055**	2021-11-26T13:42:42	4.9
1225	2021-10-31T00:35:38	11.5	**3836**	2021-11-08T18:16:46	14.2	**6446**	2021-11-17T12:27:14	5.3	**9056**	2021-11-26T13:47:43	5.3
1226	2021-10-31T00:40:00	nan	**3837**	2021-11-08T18:21:45	14.5	**6447**	2021-11-17T12:32:14	5.1	**9057**	2021-11-26T13:52:43	5.3
1227	2021-10-31T00:40:38	10.8	**3838**	2021-11-08T18:26:46	15.0	**6448**	2021-11-17T12:37:14	5.0	**9058**	2021-11-26T13:57:43	5.3
1228	2021-10-31T00:45:37	10.0	**3839**	2021-11-08T18:27:00	nan	**6449**	2021-11-17T12:40:00	nan	**9059**	2021-11-26T14:02:43	5.2
1229	2021-10-31T00:50:38	9.2	**3840**	2021-11-08T18:31:45	15.0	**6450**	2021-11-17T12:40:00	nan	**9060**	2021-11-26T14:07:43	4.9
1230	2021-10-31T00:55:38	8.4	**3841**	2021-11-08T18:36:46	15.0	**6451**	2021-11-17T12:42:14	4.9	**9061**	2021-11-26T14:12:44	4.8
1231	2021-10-31T01:00:38	7.6	**3842**	2021-11-08T18:41:46	14.4	**6452**	2021-11-17T12:47:14	4.8	**9062**	2021-11-26T14:17:43	4.8
1232	2021-10-31T01:05:38	6.9	**3843**	2021-11-08T18:46:46	13.8	**6453**	2021-11-17T12:52:13	4.7	**9063**	2021-11-26T14:22:43	5.1
1233	2021-10-31T01:10:38	6.7	**3844**	2021-11-08T18:51:46	13.2	**6454**	2021-11-17T12:57:14	4.5	**9064**	2021-11-26T14:27:43	5.2
1234	2021-10-31T01:15:38	6.3	**3845**	2021-11-08T18:56:46	12.3	**6455**	2021-11-17T13:02:15	4.4	**9065**	2021-11-26T14:32:44	5.7
1235	2021-10-31T01:20:38	5.9	**3846**	2021-11-08T19:01:46	11.7	**6456**	2021-11-17T13:07:14	4.3	**9066**	2021-11-26T14:37:44	5.9
1236	2021-10-31T01:25:38	5.7	**3847**	2021-11-08T19:06:46	10.5	**6457**	2021-11-17T13:12:14	4.1	**9067**	2021-11-26T14:42:43	5.7
1237	2021-10-31T01:30:38	5.6	**3848**	2021-11-08T19:11:46	9.8	**6458**	2021-11-17T13:17:15	3.9	**9068**	2021-11-26T14:47:44	5.1
1238	2021-10-31T01:35:38	5.6	**3849**	2021-11-08T19:16:46	8.9	**6459**	2021-11-17T13:22:14	3.6	**9069**	2021-11-26T14:52:44	5.1
1239	2021-10-31T01:40:38	5.6	**3850**	2021-11-08T19:21:46	8.0	**6460**	2021-11-17T13:27:15	3.4	**9070**	2021-11-26T14:57:43	4.9
1240	2021-10-31T01:45:38	5.6	**3851**	2021-11-08T19:26:45	7.4	**6461**	2021-11-17T13:32:14	3.5	**9071**	2021-11-26T15:02:44	4.7
1241	2021-10-31T01:50:38	5.3	**3852**	2021-11-08T19:31:46	6.9	**6462**	2021-11-17T13:37:14	3.7	**9072**	2021-11-26T15:07:44	4.6
1242	2021-10-31T01:55:38	5.1	**3853**	2021-11-08T19:36:47	6.4	**6463**	2021-11-17T13:42:14	4.0	**9073**	2021-11-26T15:12:44	4.7
1243	2021-10-31T02:00:38	5.3	**3854**	2021-11-08T19:41:46	6.2	**6464**	2021-11-17T13:47:14	4.2	**9074**	2021-11-26T15:17:42	5.3
1244	2021-10-31T02:05:39	5.7	**3855**	2021-11-08T19:46:46	5.9	**6465**	2021-11-17T13:52:15	4.3	**9075**	2021-11-26T15:22:43	6.5
1245	2021-10-31T02:10:38	6.2	**3856**	2021-11-08T19:51:46	5.4	**6466**	2021-11-17T13:57:14	4.4	**9076**	2021-11-26T15:27:43	6.1
1246	2021-10-31T02:15:39	6.7	**3857**	2021-11-08T19:56:46	5.3	**6467**	2021-11-17T14:02:14	4.4	**9077**	2021-11-26T15:32:43	6.0
1247	2021-10-31T02:20:38	7.1	**3858**	2021-11-08T20:01:46	5.2	**6468**	2021-11-17T14:07:14	4.4	**9078**	2021-11-26T15:37:44	5.9
1248	2021-10-31T02:25:38	7.3	**3859**	2021-11-08T20:06:46	4.9	**6469**	2021-11-17T14:12:14	4.4	**9079**	2021-11-26T15:42:43	5.4
1249	2021-10-31T02:30:38	7.4	**3860**	2021-11-08T20:11:46	4.7	**6470**	2021-11-17T14:17:13	4.5	**9080**	2021-11-26T15:47:44	5.1
1250	2021-10-31T02:35:38	7.6	**3861**	2021-11-08T20:16:46	4.6	**6471**	2021-11-17T14:22:14	4.6	**9081**	2021-11-26T15:52:43	5.9
1251	2021-10-31T02:40:39	7.9	**3862**	2021-11-08T20:21:46	4.4	**6472**	2021-11-17T14:27:14	4.8	**9082**	2021-11-26T15:57:43	7.3

1252	2021-10-31T02:45:38	8.4	**3863**	2021-11-08T20:26:47	4.3	**6473**	2021-11-17T14:32:14	4.8	**9083**	2021-11-26T16:02:43	6.4
1253	2021-10-31T02:50:38	8.5	**3864**	2021-11-08T20:31:47	4.4	**6474**	2021-11-17T14:37:14	4.9	**9084**	2021-11-26T16:07:43	7.5
1254	2021-10-31T02:55:39	8.5	**3865**	2021-11-08T20:36:46	4.3	**6475**	2021-11-17T14:42:14	5.1	**9085**	2021-11-26T16:12:44	8.1
1255	2021-10-31T03:00:38	12.3	**3866**	2021-11-08T20:41:47	4.3	**6476**	2021-11-17T14:47:14	5.1	**9086**	2021-11-26T16:17:44	8.0
1256	2021-10-31T03:00:38	8.8	**3867**	2021-11-08T20:46:47	4.3	**6477**	2021-11-17T14:52:14	5.3	**9087**	2021-11-26T16:22:44	7.9
1257	2021-10-31T03:05:38	12.3	**3868**	2021-11-08T20:51:47	4.3	**6478**	2021-11-17T14:57:14	5.4	**9088**	2021-11-26T16:27:44	8.0
1258	2021-10-31T03:05:39	9.2	**3869**	2021-11-08T20:56:47	4.5	**6479**	2021-11-17T15:02:15	5.7	**9089**	2021-11-26T16:32:44	8.2
1259	2021-10-31T03:10:38	11.5	**3870**	2021-11-08T21:01:47	4.4	**6480**	2021-11-17T15:07:14	5.9	**9090**	2021-11-26T16:37:44	8.2
1260	2021-10-31T03:10:38	9.7	**3871**	2021-11-08T21:06:47	4.6	**6481**	2021-11-17T15:12:15	6.4	**9091**	2021-11-26T16:42:44	8.0
1261	2021-10-31T03:15:38	10.3	**3872**	2021-11-08T21:11:47	4.9	**6482**	2021-11-17T15:17:14	7.0	**9092**	2021-11-26T16:47:44	7.9
1262	2021-10-31T03:15:38	12.1	**3873**	2021-11-08T21:16:47	5.1	**6483**	2021-11-17T15:22:14	7.3	**9093**	2021-11-26T16:52:43	7.8
1263	2021-10-31T03:20:38	10.7	**3874**	2021-11-08T21:21:46	5.2	**6484**	2021-11-17T15:27:14	7.8	**9094**	2021-11-26T16:57:43	7.7
1264	2021-10-31T03:20:38	12.2	**3875**	2021-11-08T21:26:46	5.3	**6485**	2021-11-17T15:32:15	8.3	**9095**	2021-11-26T17:02:44	7.7
1265	2021-10-31T03:25:38	11.1	**3876**	2021-11-08T21:31:47	5.3	**6486**	2021-11-17T15:37:14	8.9	**9096**	2021-11-26T17:07:44	7.7
1266	2021-10-31T03:25:38	13.0	**3877**	2021-11-08T21:36:46	5.4	**6487**	2021-11-17T15:42:14	9.3	**9097**	2021-11-26T17:12:44	7.7
1267	2021-10-31T03:30:38	11.5	**3878**	2021-11-08T21:41:47	5.7	**6488**	2021-11-17T15:47:15	9.7	**9098**	2021-11-26T17:15:00	nan
1268	2021-10-31T03:30:38	14.3	**3879**	2021-11-08T21:46:46	5.9	**6489**	2021-11-17T15:52:14	10.2	**9099**	2021-11-26T17:17:44	7.9
1269	2021-10-31T03:35:38	11.7	**3880**	2021-11-08T21:51:47	6.1	**6490**	2021-11-17T15:57:15	10.6	**9100**	2021-11-26T17:22:43	8.0
1270	2021-10-31T03:35:38	14.8	**3881**	2021-11-08T21:56:46	6.2	**6491**	2021-11-17T16:02:14	10.8	**9101**	2021-11-26T17:27:44	8.3
1271	2021-10-31T03:40:38	11.8	**3882**	2021-11-08T22:01:46	6.3	**6492**	2021-11-17T16:07:14	10.6	**9102**	2021-11-26T17:31:00	nan
1272	2021-10-31T03:40:38	15.0	**3883**	2021-11-08T22:06:46	6.4	**6493**	2021-11-17T16:12:15	10.5	**9103**	2021-11-26T17:32:44	8.7
1273	2021-10-31T03:45:38	11.8	**3884**	2021-11-08T22:11:46	6.7	**6494**	2021-11-17T16:17:15	10.9	**9104**	2021-11-26T17:37:44	9.2
1274	2021-10-31T03:45:38	15.3	**3885**	2021-11-08T22:16:46	6.8	**6495**	2021-11-17T16:22:15	11.9	**9105**	2021-11-26T17:42:44	9.1
1275	2021-10-31T03:48:00	nan	**3886**	2021-11-08T22:21:46	6.8	**6496**	2021-11-17T16:27:14	12.0	**9106**	2021-11-26T17:47:45	9.1
1276	2021-10-31T03:50:38	12.1	**3887**	2021-11-08T22:26:46	6.7	**6497**	2021-11-17T16:32:15	12.3	**9107**	2021-11-26T17:52:43	9.9
1277	2021-10-31T03:50:38	14.9	**3888**	2021-11-08T22:31:46	6.6	**6498**	2021-11-17T16:37:15	12.5	**9108**	2021-11-26T17:57:43	10.1
1278	2021-10-31T03:55:38	12.4	**3889**	2021-11-08T22:36:47	7.0	**6499**	2021-11-17T16:42:15	12.7	**9109**	2021-11-26T18:02:43	9.9
1279	2021-10-31T03:55:38	14.8	**3890**	2021-11-08T22:41:47	7.1	**6500**	2021-11-17T16:47:15	12.9	**9110**	2021-11-26T18:07:43	8.9
1280	2021-10-31T04:00:38	14.5	**3891**	2021-11-08T22:46:46	7.4	**6501**	2021-11-17T16:52:15	13.2	**9111**	2021-11-26T18:12:43	8.5
1281	2021-10-31T04:05:38	14.2	**3892**	2021-11-08T22:51:46	7.5	**6502**	2021-11-17T16:57:15	13.7	**9112**	2021-11-26T18:17:45	8.5
1282	2021-10-31T04:10:38	14.0	**3893**	2021-11-08T22:56:46	7.8	**6503**	2021-11-17T16:58:00	nan	**9113**	2021-11-26T18:22:44	8.1
1283	2021-10-31T04:15:39	13.9	**3894**	2021-11-08T23:01:47	8.1	**6504**	2021-11-17T17:02:14	14.1	**9114**	2021-11-26T18:27:44	7.0
1284	2021-10-31T04:20:38	13.5	**3895**	2021-11-08T23:06:46	8.3	**6505**	2021-11-17T17:07:00	nan	**9115**	2021-11-26T18:32:44	7.7
1285	2021-10-31T04:25:38	13.6	**3896**	2021-11-08T23:11:46	8.4	**6506**	2021-11-17T17:07:14	14.4	**9116**	2021-11-26T18:37:44	7.2
1286	2021-10-31T04:30:38	13.4	**3897**	2021-11-08T23:16:47	8.6	**6507**	2021-11-17T17:12:14	14.8	**9117**	2021-11-26T18:42:44	6.3
1287	2021-10-31T04:35:38	13.1	**3898**	2021-11-08T23:21:46	8.5	**6508**	2021-11-17T17:17:14	14.9	**9118**	2021-11-26T18:47:44	5.8
1288	2021-10-31T04:40:39	12.8	**3899**	2021-11-08T23:26:46	8.4	**6509**	2021-11-17T17:22:14	14.6	**9119**	2021-11-26T18:52:44	5.7
1289	2021-10-31T04:45:38	12.8	**3900**	2021-11-08T23:29:00	nan	**6510**	2021-11-17T17:27:14	14.5	**9120**	2021-11-26T18:57:44	5.9
1290	2021-10-31T04:50:39	13.0	**3901**	2021-11-08T23:31:46	8.7	**6511**	2021-11-17T17:32:14	13.4	**9121**	2021-11-26T19:02:44	5.8
1291	2021-10-31T04:55:38	13.2	**3902**	2021-11-08T23:36:46	8.7	**6512**	2021-11-17T17:37:14	12.4	**9122**	2021-11-26T19:07:44	5.8
1292	2021-10-31T05:00:38	13.2	**3903**	2021-11-08T23:41:47	8.8	**6513**	2021-11-17T17:42:14	11.7	**9123**	2021-11-26T19:12:44	5.7
1293	2021-10-31T05:05:39	13.3	**3904**	2021-11-08T23:46:46	8.2	**6514**	2021-11-17T17:47:14	11.3	**9124**	2021-11-26T19:17:45	5.5
1294	2021-10-31T05:10:38	13.2	**3905**	2021-11-08T23:51:47	8.3	**6515**	2021-11-17T17:52:14	10.4	**9125**	2021-11-26T19:22:44	5.2
1295	2021-10-31T05:15:39	13.0	**3906**	2021-11-08T23:56:46	7.8	**6516**	2021-11-17T17:57:15	9.5	**9126**	2021-11-26T19:27:44	4.8
1296	2021-10-31T05:20:39	12.9	**3907**	2021-11-09T00:01:47	7.8	**6517**	2021-11-17T18:02:15	8.8	**9127**	2021-11-26T19:32:44	4.7
1297	2021-10-31T05:25:39	12.8	**3908**	2021-11-09T00:06:47	8.3	**6518**	2021-11-17T18:07:14	7.9	**9128**	2021-11-26T19:37:44	4.7
1298	2021-10-31T05:30:39	12.9	**3909**	2021-11-09T00:11:47	7.8	**6519**	2021-11-17T18:12:14	7.2	**9129**	2021-11-26T19:42:45	4.9
1299	2021-10-31T05:35:39	12.7	**3910**	2021-11-09T00:16:46	7.7	**6520**	2021-11-17T18:17:15	6.7	**9130**	2021-11-26T19:47:44	5.3
1300	2021-10-31T05:40:38	12.5	**3911**	2021-11-09T00:21:46	8.0	**6521**	2021-11-17T18:22:15	6.4	**9131**	2021-11-26T19:52:45	5.8
1301	2021-10-31T05:45:38	12.2	**3912**	2021-11-09T00:25:00	nan	**6522**	2021-11-17T18:27:15	6.2	**9132**	2021-11-26T19:57:44	6.0
1302	2021-10-31T05:50:39	12.3	**3913**	2021-11-09T00:25:00	nan	**6523**	2021-11-17T18:32:15	5.9	**9133**	2021-11-26T20:02:45	6.7
1303	2021-10-31T05:55:39	12.5	**3914**	2021-11-09T00:26:47	7.9	**6524**	2021-11-17T18:37:15	5.9	**9134**	2021-11-26T20:07:44	7.2
1304	2021-10-31T06:00:39	12.5	**3915**	2021-11-09T00:31:47	7.9	**6525**	2021-11-17T18:42:14	5.8	**9135**	2021-11-26T20:12:45	7.4
1305	2021-10-31T06:05:39	12.6	**3916**	2021-11-09T00:36:47	7.8	**6526**	2021-11-17T18:47:15	5.7	**9136**	2021-11-26T20:17:44	7.5

1306	2021-10-31T06:10:39	12.6	3917	2021-11-09T00:41:47	7.7	6527	2021-11-17T18:52:14	5.8	9137	2021-11-26T20:22:44	7.4
1307	2021-10-31T06:15:38	12.5	3918	2021-11-09T00:46:47	7.9	6528	2021-11-17T18:57:15	5.9	9138	2021-11-26T20:27:44	7.2
1308	2021-10-31T06:20:38	12.2	3919	2021-11-09T00:51:47	8.3	6529	2021-11-17T19:02:15	6.1	9139	2021-11-26T20:32:43	7.0
1309	2021-10-31T06:25:39	11.8	3920	2021-11-09T00:56:47	8.7	6530	2021-11-17T19:07:14	6.3	9140	2021-11-26T20:37:45	6.9
1310	2021-10-31T06:30:38	11.5	3921	2021-11-09T01:01:48	9.2	6531	2021-11-17T19:12:14	6.4	9141	2021-11-26T20:42:44	6.9
1311	2021-10-31T06:35:39	11.5	3922	2021-11-09T01:06:47	9.4	6532	2021-11-17T19:17:15	6.5	9142	2021-11-26T20:47:44	7.0
1312	2021-10-31T06:40:38	11.5	3923	2021-11-09T01:11:47	9.3	6533	2021-11-17T19:22:14	6.5	9143	2021-11-26T20:52:44	7.2
1313	2021-10-31T06:45:39	11.6	3924	2021-11-09T01:16:47	9.4	6534	2021-11-17T19:27:14	6.7	9144	2021-11-26T20:57:44	7.5
1314	2021-10-31T06:50:39	11.6	3925	2021-11-09T01:21:47	9.6	6535	2021-11-17T19:32:15	7.2	9145	2021-11-26T21:02:44	7.8
1315	2021-10-31T06:55:39	11.6	3926	2021-11-09T01:26:47	9.7	6536	2021-11-17T19:37:15	7.7	9146	2021-11-26T21:07:44	8.1
1316	2021-10-31T07:00:38	11.5	3927	2021-11-09T01:31:47	10.0	6537	2021-11-17T19:42:14	7.8	9147	2021-11-26T21:12:44	8.2
1317	2021-10-31T07:05:38	11.5	3928	2021-11-09T01:36:46	10.4	6538	2021-11-17T19:47:15	8.2	9148	2021-11-26T21:17:45	8.3
1318	2021-10-31T07:10:38	11.7	3929	2021-11-09T01:41:47	11.2	6539	2021-11-17T19:52:14	8.5	9149	2021-11-26T21:22:44	8.3
1319	2021-10-31T07:15:39	11.7	3930	2021-11-09T01:46:47	11.3	6540	2021-11-17T19:57:14	8.9	9150	2021-11-26T21:27:44	8.3
1320	2021-10-31T07:20:39	11.6	3931	2021-11-09T01:51:47	11.5	6541	2021-11-17T20:02:16	9.2	9151	2021-11-26T21:32:44	8.2
1321	2021-10-31T07:25:39	11.5	3932	2021-11-09T01:56:48	11.5	6542	2021-11-17T20:07:15	9.7	9152	2021-11-26T21:37:44	8.2
1322	2021-10-31T07:30:39	9.7	3933	2021-11-09T02:01:47	11.7	6543	2021-11-17T20:12:15	10.4	9153	2021-11-26T21:42:44	8.1
1323	2021-10-31T08:15:39	11.5	3934	2021-11-09T02:06:47	11.6	6544	2021-11-17T20:17:15	10.9	9154	2021-11-26T21:47:44	8.0
1324	2021-10-31T08:20:39	11.7	3935	2021-11-09T02:11:48	11.3	6545	2021-11-17T20:22:15	11.5	9155	2021-11-26T21:52:45	7.9
1325	2021-10-31T08:25:39	11.7	3936	2021-11-09T02:16:46	11.3	6546	2021-11-17T20:27:15	11.9	9156	2021-11-26T21:57:44	7.8
1326	2021-10-31T08:30:39	11.8	3937	2021-11-09T02:21:47	11.3	6547	2021-11-17T20:32:15	12.4	9157	2021-11-26T22:02:44	7.8
1327	2021-10-31T08:35:39	12.0	3938	2021-11-09T02:26:47	11.3	6548	2021-11-17T20:37:15	12.5	9158	2021-11-26T22:07:45	7.6
1328	2021-10-31T08:40:39	12.5	3939	2021-11-09T02:31:48	11.3	6549	2021-11-17T20:42:16	13.1	9159	2021-11-26T22:12:44	7.5
1329	2021-10-31T08:45:39	12.4	3940	2021-11-09T02:36:47	11.4	6550	2021-11-17T20:47:15	13.4	9160	2021-11-26T22:17:45	7.2
1330	2021-10-31T08:50:39	12.3	3941	2021-11-09T02:41:47	11.4	6551	2021-11-17T20:52:15	13.7	9161	2021-11-26T22:22:45	7.0
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1355	2021-10-31T10:45:39	11.6	3966	2021-11-09T04:46:48	13.7	6576	2021-11-17T22:42:15	5.0	9186	2021-11-27T00:22:44	5.0
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1358	2021-10-31T11:00:39	9.9	3969	2021-11-09T05:01:48	14.0	6579	2021-11-17T22:57:15	6.2	9189	2021-11-27T00:37:44	5.2
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1365	2021-10-31T11:25:39	9.4	3976	2021-11-09T05:31:47	14.8	6586	2021-11-17T23:22:15	8.3	9196	2021-11-27T01:07:45	6.7
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1371	2021-10-31T11:55:39	8.8	3982	2021-11-09T05:56:48	15.4	6592	2021-11-17T23:52:15	11.8	9202	2021-11-27T01:37:44	5.2
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1381	2021-10-31T12:45:39	5.9	3992	2021-11-09T06:46:48	11.8	6602	2021-11-18T00:37:16	15.7	9212	2021-11-27T02:22:45	4.9
1382	2021-10-31T12:50:39	5.9	3993	2021-11-09T06:51:48	11.9	6603	2021-11-18T00:42:15	16.0	9213	2021-11-27T02:27:44	4.9
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1385	2021-10-31T13:00:40	5.9	3996	2021-11-09T07:06:47	11.3	6606	2021-11-18T00:57:16	15.4	9216	2021-11-27T02:42:45	6.4
1386	2021-10-31T13:05:40	5.8	3997	2021-11-09T07:11:47	11.0	6607	2021-11-18T01:02:16	15.2	9217	2021-11-27T02:47:44	6.9
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1394	2021-10-31T13:45:40	5.8	4005	2021-11-09T07:51:48	9.1	6615	2021-11-18T01:42:15	14.8	9225	2021-11-27T03:27:45	12.0
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1397	2021-10-31T14:00:40	5.3	4008	2021-11-09T07:56:48	8.7	6618	2021-11-18T01:53:00	nan	9228	2021-11-27T03:42:45	13.0
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1420	2021-10-31T15:45:39	7.1	4031	2021-11-09T09:46:48	8.0	6641	2021-11-18T03:42:16	5.1	9251	2021-11-27T05:37:45	20.2
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1428	2021-10-31T16:20:39	5.9	4039	2021-11-09T10:26:49	9.4	6649	2021-11-18T04:22:16	4.2	9259	2021-11-27T06:12:45	20.2
1429	2021-10-31T16:25:39	5.9	4040	2021-11-09T10:31:49	9.4	6650	2021-11-18T04:27:17	4.3	9260	2021-11-27T06:17:46	20.2
1430	2021-10-31T16:30:39	5.7	4041	2021-11-09T10:36:49	9.4	6651	2021-11-18T04:32:16	4.6	9261	2021-11-27T06:22:45	20.4
1431	2021-10-31T16:35:39	5.6	4042	2021-11-09T10:41:49	9.4	6652	2021-11-18T04:37:16	4.6	9262	2021-11-27T06:27:45	19.8
1432	2021-10-31T16:40:39	5.3	4043	2021-11-09T10:46:49	9.5	6653	2021-11-18T04:42:16	4.6	9263	2021-11-27T06:32:45	19.1
1433	2021-10-31T16:45:40	5.2	4044	2021-11-09T10:51:49	9.6	6654	2021-11-18T04:47:17	4.5	9264	2021-11-27T06:37:45	18.6
1434	2021-10-31T16:50:39	5.2	4045	2021-11-09T10:56:49	9.7	6655	2021-11-18T04:52:16	4.5	9265	2021-11-27T06:42:45	18.1
1435	2021-10-31T16:55:39	5.3	4046	2021-11-09T11:01:48	9.8	6656	2021-11-18T04:57:16	4.5	9266	2021-11-27T06:47:46	17.8
1436	2021-10-31T17:00:39	5.6	4047	2021-11-09T11:06:49	9.7	6657	2021-11-18T05:02:17	4.5	9267	2021-11-27T06:52:45	17.5
1437	2021-10-31T17:05:39	5.4	4048	2021-11-09T11:11:49	9.9	6658	2021-11-18T05:07:16	4.5	9268	2021-11-27T06:57:45	17.3
1438	2021-10-31T17:10:39	5.3	4049	2021-11-09T11:16:49	9.9	6659	2021-11-18T05:12:16	4.3	9269	2021-11-27T07:02:45	16.9
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1440	2021-10-31T17:20:40	4.7	4051	2021-11-09T11:21:48	10.1	6661	2021-11-18T05:22:16	4.1	9271	2021-11-27T07:12:45	17.0
1441	2021-10-31T17:25:39	4.9	4052	2021-11-09T11:26:48	10.2	6662	2021-11-18T05:27:16	4.1	9272	2021-11-27T07:17:46	17.2
1442	2021-10-31T17:30:39	5.3	4053	2021-11-09T11:31:48	10.2	6663	2021-11-18T05:32:16	4.1	9273	2021-11-27T07:22:45	17.3
1443	2021-10-31T17:35:39	5.1	4054	2021-11-09T11:36:48	10.4	6664	2021-11-18T05:37:16	4.1	9274	2021-11-27T07:27:46	17.2
1444	2021-10-31T17:40:39	4.4	4055	2021-11-09T11:41:49	10.4	6665	2021-11-18T05:42:16	4.2	9275	2021-11-27T07:32:45	17.2
1445	2021-10-31T17:45:39	3.8	4056	2021-11-09T11:46:48	10.2	6666	2021-11-18T05:47:16	4.0	9276	2021-11-27T07:37:46	17.2
1446	2021-10-31T17:50:40	3.3	4057	2021-11-09T11:51:48	10.2	6667	2021-11-18T05:52:16	4.3	9277	2021-11-27T07:42:46	17.1
1447	2021-10-31T17:55:39	3.1	4058	2021-11-09T11:56:48	10.0	6668	2021-11-18T05:57:17	4.4	9278	2021-11-27T07:47:45	16.9
1448	2021-10-31T18:00:00	nan	4059	2021-11-09T12:01:48	9.8	6669	2021-11-18T06:02:16	4.3	9279	2021-11-27T07:52:45	16.7
1449	2021-10-31T18:00:40	3.1	4060	2021-11-09T12:06:48	9.7	6670	2021-11-18T06:07:16	4.2	9280	2021-11-27T07:54:00	nan
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1455	2021-10-31T18:30:40	6.6	4066	2021-11-09T12:36:48	8.5	6676	2021-11-18T06:37:17	4.2	9286	2021-11-27T08:22:46	15.4
1456	2021-10-31T18:35:40	8.0	4067	2021-11-09T12:41:48	8.7	6677	2021-11-18T06:42:16	4.2	9287	2021-11-27T08:27:46	15.0
1457	2021-10-31T18:40:39	9.2	4068	2021-11-09T12:43:00	nan	6678	2021-11-18T06:47:17	4.4	9288	2021-11-27T08:32:46	15.0
1458	2021-10-31T18:45:00	nan	4069	2021-11-09T12:44:00	nan	6679	2021-11-18T06:52:16	4.5	9289	2021-11-27T08:37:46	14.5
1459	2021-10-31T18:45:39	10.1	4070	2021-11-09T12:46:48	8.7	6680	2021-11-18T06:57:17	4.6	9290	2021-11-27T08:42:47	13.8
1460	2021-10-31T18:50:39	10.8	4071	2021-11-09T12:51:49	8.7	6681	2021-11-18T07:02:17	4.6	9291	2021-11-27T08:47:46	13.0
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1462	2021-10-31T19:00:39	11.4	4073	2021-11-09T13:01:48	8.9	6683	2021-11-18T07:12:17	4.7	9293	2021-11-27T08:57:46	11.4
1463	2021-10-31T19:05:39	12.0	4074	2021-11-09T13:06:49	9.0	6684	2021-11-18T07:17:16	4.7	9294	2021-11-27T09:02:46	9.9
1464	2021-10-31T19:10:40	12.7	4075	2021-11-09T13:11:48	9.5	6685	2021-11-18T07:22:16	4.7	9295	2021-11-27T09:07:46	9.0
1465	2021-10-31T19:15:39	12.4	4076	2021-11-09T13:16:49	9.8	6686	2021-11-18T07:27:17	4.7	9296	2021-11-27T09:12:46	8.2
1466	2021-10-31T19:20:40	11.2	4077	2021-11-09T13:21:49	9.9	6687	2021-11-18T07:32:17	4.7	9297	2021-11-27T09:17:47	7.2
1467	2021-10-31T19:25:39	11.1	4078	2021-11-09T13:26:49	9.9	6688	2021-11-18T07:37:17	4.6	9298	2021-11-27T09:22:45	6.7
1468	2021-10-31T19:30:39	9.4	4079	2021-11-09T13:31:49	9.6	6689	2021-11-18T07:42:17	4.5	9299	2021-11-27T09:27:45	6.4
1469	2021-10-31T19:35:39	7.5	4080	2021-11-09T13:36:49	9.1	6690	2021-11-18T07:47:16	4.5	9300	2021-11-27T09:32:46	6.1
1470	2021-10-31T19:40:39	5.3	4081	2021-11-09T13:41:49	8.7	6691	2021-11-18T07:52:17	4.5	9301	2021-11-27T09:37:45	5.8

1471	2021-10-31T19:45:39	4.8	**4082**	2021-11-09T13:46:49	8.5	**6692**	2021-11-18T07:57:16	4.6	**9302**	2021-11-27T09:42:45	5.6
1472	2021-10-31T19:50:40	4.8	**4083**	2021-11-09T13:51:48	8.3	**6693**	2021-11-18T08:02:17	4.6	**9303**	2021-11-27T09:47:45	5.3
1473	2021-10-31T19:55:40	5.0	**4084**	2021-11-09T13:56:49	8.1	**6694**	2021-11-18T08:07:16	4.6	**9304**	2021-11-27T09:52:46	5.1
1474	2021-10-31T20:00:40	5.2	**4085**	2021-11-09T14:01:48	7.8	**6695**	2021-11-18T08:12:17	4.3	**9305**	2021-11-27T09:57:47	4.9
1475	2021-10-31T20:05:40	5.3	**4086**	2021-11-09T14:06:48	7.5	**6696**	2021-11-18T08:17:17	4.3	**9306**	2021-11-27T10:02:46	5.1
1476	2021-10-31T20:10:39	5.6	**4087**	2021-11-09T14:11:49	7.2	**6697**	2021-11-18T08:22:17	4.4	**9307**	2021-11-27T10:07:46	4.6
1477	2021-10-31T20:15:40	5.8	**4088**	2021-11-09T14:16:50	6.9	**6698**	2021-11-18T08:27:16	4.4	**9308**	2021-11-27T10:12:47	4.7
1478	2021-10-31T20:20:40	5.8	**4089**	2021-11-09T14:21:48	6.9	**6699**	2021-11-18T08:32:16	4.5	**9309**	2021-11-27T10:17:46	4.5
1479	2021-10-31T20:25:39	5.9	**4090**	2021-11-09T14:26:50	6.9	**6700**	2021-11-18T08:37:17	4.4	**9310**	2021-11-27T10:22:46	4.3
1480	2021-10-31T20:30:40	5.6	**4091**	2021-11-09T14:31:49	6.8	**6701**	2021-11-18T08:42:16	4.4	**9311**	2021-11-27T10:27:46	4.4
1481	2021-10-31T20:35:39	5.4	**4092**	2021-11-09T14:36:50	6.9	**6702**	2021-11-18T08:47:17	4.4	**9312**	2021-11-27T10:32:46	4.4
1482	2021-10-31T20:40:40	5.4	**4093**	2021-11-09T14:41:49	6.7	**6703**	2021-11-18T08:52:17	4.6	**9313**	2021-11-27T10:37:45	4.3
1483	2021-10-31T20:45:39	5.6	**4094**	2021-11-09T14:46:49	6.4	**6704**	2021-11-18T08:57:17	4.7	**9314**	2021-11-27T10:42:46	3.9
1484	2021-10-31T20:50:40	5.8	**4095**	2021-11-09T14:51:49	6.4	**6705**	2021-11-18T09:02:17	4.7	**9315**	2021-11-27T10:47:46	4.3
1485	2021-10-31T20:55:40	6.2	**4096**	2021-11-09T14:56:49	6.4	**6706**	2021-11-18T09:07:16	4.7	**9316**	2021-11-27T10:52:46	4.4
1486	2021-10-31T21:00:39	6.5	**4097**	2021-11-09T15:01:49	6.4	**6707**	2021-11-18T09:12:16	4.8	**9317**	2021-11-27T10:55:00	nan
1487	2021-10-31T21:05:39	6.3	**4098**	2021-11-09T15:06:50	6.6	**6708**	2021-11-18T09:17:17	4.8	**9318**	2021-11-27T10:57:45	4.7
1488	2021-10-31T21:10:41	5.7	**4099**	2021-11-09T15:11:49	6.9	**6709**	2021-11-18T09:22:16	4.8	**9319**	2021-11-27T11:02:46	4.7
1489	2021-10-31T21:15:40	5.9	**4100**	2021-11-09T15:16:49	7.4	**6710**	2021-11-18T09:27:16	4.8	**9320**	2021-11-27T11:07:46	4.5
1490	2021-10-31T21:20:40	5.8	**4101**	2021-11-09T15:21:49	8.0	**6711**	2021-11-18T09:32:16	5.1	**9321**	2021-11-27T11:12:47	4.7
1491	2021-10-31T21:25:40	6.2	**4102**	2021-11-09T15:26:49	8.7	**6712**	2021-11-18T09:36:00	nan	**9322**	2021-11-27T11:17:46	4.7
1492	2021-10-31T21:30:39	6.0	**4103**	2021-11-09T15:31:49	9.1	**6713**	2021-11-18T09:37:17	5.2	**9323**	2021-11-27T11:22:46	6.0
1493	2021-10-31T21:35:40	5.6	**4104**	2021-11-09T15:36:49	8.7	**6714**	2021-11-18T09:42:17	5.2	**9324**	2021-11-27T11:27:46	6.9
1494	2021-10-31T21:40:40	5.4	**4105**	2021-11-09T15:41:49	8.3	**6715**	2021-11-18T09:47:16	5.2	**9325**	2021-11-27T11:32:46	8.1
1495	2021-10-31T21:45:39	5.7	**4106**	2021-11-09T15:46:50	8.1	**6716**	2021-11-18T09:52:16	5.3	**9326**	2021-11-27T11:37:46	8.6
1496	2021-10-31T21:50:40	5.9	**4107**	2021-11-09T15:51:49	8.2	**6717**	2021-11-18T09:57:17	5.7	**9327**	2021-11-27T11:42:46	8.8
1497	2021-10-31T21:55:40	5.8	**4108**	2021-11-09T15:56:50	8.4	**6718**	2021-11-18T10:02:17	6.1	**9328**	2021-11-27T11:47:46	8.9
1498	2021-10-31T22:00:39	5.8	**4109**	2021-11-09T16:01:50	8.7	**6719**	2021-11-18T10:07:17	6.4	**9329**	2021-11-27T11:52:47	9.2
1499	2021-10-31T22:05:40	5.8	**4110**	2021-11-09T16:06:50	9.2	**6720**	2021-11-18T10:12:17	7.0	**9330**	2021-11-27T11:57:46	9.5
1500	2021-10-31T22:10:40	6.0	**4111**	2021-11-09T16:11:49	9.4	**6721**	2021-11-18T10:17:17	7.5	**9331**	2021-11-27T12:02:46	9.4
1501	2021-10-31T22:15:40	6.0	**4112**	2021-11-09T16:16:49	9.9	**6722**	2021-11-18T10:22:17	7.3	**9332**	2021-11-27T12:07:46	9.3
1502	2021-10-31T22:20:40	6.0	**4113**	2021-11-09T16:17:00	nan	**6723**	2021-11-18T10:27:17	7.5	**9333**	2021-11-27T12:12:46	9.8
1503	2021-10-31T22:25:41	6.0	**4114**	2021-11-09T16:21:49	8.5	**6724**	2021-11-18T10:32:17	7.8	**9334**	2021-11-27T12:17:47	10.0
1504	2021-10-31T22:30:39	6.4	**4115**	2021-11-09T16:56:49	13.5	**6725**	2021-11-18T10:37:17	7.9	**9335**	2021-11-27T12:22:46	9.5
1505	2021-10-31T22:35:40	6.8	**4116**	2021-11-09T17:01:50	14.1	**6726**	2021-11-18T10:42:17	8.3	**9336**	2021-11-27T12:27:46	9.9
1506	2021-10-31T22:40:40	7.1	**4117**	2021-11-09T17:04:00	nan	**6727**	2021-11-18T10:47:17	8.3	**9337**	2021-11-27T12:32:45	10.5
1507	2021-10-31T22:45:40	7.0	**4118**	2021-11-09T17:06:49	15.3	**6728**	2021-11-18T10:52:17	8.4	**9338**	2021-11-27T12:37:45	11.4
1508	2021-10-31T22:50:40	7.3	**4119**	2021-11-09T17:11:49	15.4	**6729**	2021-11-18T10:57:17	8.2	**9339**	2021-11-27T12:42:46	11.3
1509	2021-10-31T22:55:40	8.2	**4120**	2021-11-09T17:16:49	16.6	**6730**	2021-11-18T10:59:00	nan	**9340**	2021-11-27T12:47:46	11.0
1510	2021-10-31T23:00:40	8.7	**4121**	2021-11-09T17:21:48	17.0	**6731**	2021-11-18T10:59:00	nan	**9341**	2021-11-27T12:52:46	10.5
1511	2021-10-31T23:05:39	9.0	**4122**	2021-11-09T17:26:50	16.8	**6732**	2021-11-18T11:02:17	8.1	**9342**	2021-11-27T12:57:46	10.5
1512	2021-10-31T23:10:40	10.2	**4123**	2021-11-09T17:31:49	17.2	**6733**	2021-11-18T11:07:17	8.2	**9343**	2021-11-27T13:02:46	10.8
1513	2021-10-31T23:15:40	11.4	**4124**	2021-11-09T17:36:50	16.7	**6734**	2021-11-18T11:12:17	8.5	**9344**	2021-11-27T13:07:46	11.3
1514	2021-10-31T23:20:41	12.7	**4125**	2021-11-09T17:41:49	15.9	**6735**	2021-11-18T11:17:18	8.5	**9345**	2021-11-27T13:12:46	11.6
1515	2021-10-31T23:25:40	13.8	**4126**	2021-11-09T17:46:49	13.8	**6736**	2021-11-18T11:22:17	8.7	**9346**	2021-11-27T13:17:47	11.8
1516	2021-10-31T23:30:40	14.8	**4127**	2021-11-09T17:47:00	nan	**6737**	2021-11-18T11:27:18	9.1	**9347**	2021-11-27T13:22:46	12.1
1517	2021-10-31T23:35:40	15.6	**4128**	2021-11-09T17:48:00	nan	**6738**	2021-11-18T11:32:17	9.6	**9348**	2021-11-27T13:27:46	12.4
1518	2021-10-31T23:37:00	nan	**4129**	2021-11-09T17:51:49	12.0	**6739**	2021-11-18T11:37:18	9.5	**9349**	2021-11-27T13:32:00	nan
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1520	2021-10-31T23:45:40	15.1	**4131**	2021-11-09T18:01:50	9.7	**6741**	2021-11-18T11:47:16	7.6	**9351**	2021-11-27T13:33:00	nan
1521	2021-10-31T23:50:40	16.7	**4132**	2021-11-09T18:05:00	nan	**6742**	2021-11-18T11:52:17	6.7	**9352**	2021-11-27T13:37:46	12.6
1522	2021-10-31T23:55:40	17.0	**4133**	2021-11-09T18:06:50	8.8	**6743**	2021-11-18T11:57:18	5.9	**9353**	2021-11-27T13:42:46	12.7
1523	2021-11-01T00:00:41	17.6	**4134**	2021-11-09T18:11:50	7.5	**6744**	2021-11-18T12:02:17	4.8	**9354**	2021-11-27T13:47:46	12.7
1524	2021-11-01T00:05:40	18.6	**4135**	2021-11-09T18:16:50	6.0	**6745**	2021-11-18T12:07:16	3.8	**9355**	2021-11-27T13:52:46	12.7
1525	2021-11-01T00:10:40	18.3	**4136**	2021-11-09T18:21:49	4.8	**6746**	2021-11-18T12:12:17	3.2	**9356**	2021-11-27T13:57:46	13.0

1526	2021-11-01T00:15:41	17.6	**4137**	2021-11-09T18:26:49	3.9	**6747**	2021-11-18T12:14:00	nan	**9357**	2021-11-27T14:02:46	13.0
1527	2021-11-01T00:20:40	16.9	**4138**	2021-11-09T18:31:49	3.3	**6748**	2021-11-18T12:17:16	2.9	**9358**	2021-11-27T14:07:46	12.7
1528	2021-11-01T00:25:40	16.4	**4139**	2021-11-09T18:35:00	nan	**6749**	2021-11-18T12:22:16	2.9	**9359**	2021-11-27T14:12:47	12.0
1529	2021-11-01T00:30:40	16.4	**4140**	2021-11-09T18:36:49	3.7	**6750**	2021-11-18T12:27:17	2.9	**9360**	2021-11-27T14:17:47	11.3
1530	2021-11-01T00:35:39	16.2	**4141**	2021-11-09T18:41:49	3.6	**6751**	2021-11-18T12:32:17	3.0	**9361**	2021-11-27T14:22:47	10.4
1531	2021-11-01T00:40:40	16.2	**4142**	2021-11-09T18:46:49	3.6	**6752**	2021-11-18T12:37:16	3.0	**9362**	2021-11-27T14:27:47	9.3
1532	2021-11-01T00:45:40	16.2	**4143**	2021-11-09T18:51:49	3.9	**6753**	2021-11-18T12:42:16	3.1	**9363**	2021-11-27T14:32:46	8.5
1533	2021-11-01T00:50:40	16.3	**4144**	2021-11-09T18:56:49	4.1	**6754**	2021-11-18T12:47:16	3.2	**9364**	2021-11-27T14:37:47	7.9
1534	2021-11-01T00:55:40	16.5	**4145**	2021-11-09T19:01:49	4.5	**6755**	2021-11-18T12:52:16	3.3	**9365**	2021-11-27T14:42:47	6.9
1535	2021-11-01T01:00:40	17.1	**4146**	2021-11-09T19:06:49	4.2	**6756**	2021-11-18T12:57:16	3.6	**9366**	2021-11-27T14:47:47	5.8
1536	2021-11-01T01:05:40	17.1	**4147**	2021-11-09T19:11:50	4.3	**6757**	2021-11-18T13:02:18	3.8	**9367**	2021-11-27T14:52:47	5.3
1537	2021-11-01T01:10:40	17.3	**4148**	2021-11-09T19:16:49	4.2	**6758**	2021-11-18T13:07:17	4.0	**9368**	2021-11-27T14:57:47	5.2
1538	2021-11-01T01:15:40	17.3	**4149**	2021-11-09T19:21:49	4.1	**6759**	2021-11-18T13:12:17	4.2	**9369**	2021-11-27T14:59:00	nan
1539	2021-11-01T01:20:41	17.0	**4150**	2021-11-09T19:26:49	4.2	**6760**	2021-11-18T13:17:17	4.7	**9370**	2021-11-27T15:02:46	4.8
1540	2021-11-01T01:25:41	17.1	**4151**	2021-11-09T19:31:49	4.4	**6761**	2021-11-18T13:22:17	5.2	**9371**	2021-11-27T15:07:46	5.6
1541	2021-11-01T01:30:40	17.1	**4152**	2021-11-09T19:36:50	4.4	**6762**	2021-11-18T13:27:17	5.7	**9372**	2021-11-27T15:12:46	6.5
1542	2021-11-01T01:35:41	16.2	**4153**	2021-11-09T19:41:49	4.5	**6763**	2021-11-18T13:32:17	5.7	**9373**	2021-11-27T15:17:48	7.0
1543	2021-11-01T01:40:41	16.7	**4154**	2021-11-09T19:46:49	4.4	**6764**	2021-11-18T13:37:17	5.6	**9374**	2021-11-27T15:22:47	7.4
1544	2021-11-01T01:45:41	17.3	**4155**	2021-11-09T19:51:50	4.3	**6765**	2021-11-18T13:42:17	6.8	**9375**	2021-11-27T15:27:46	7.7
1545	2021-11-01T01:50:40	17.2	**4156**	2021-11-09T19:56:49	4.6	**6766**	2021-11-18T13:47:17	7.5	**9376**	2021-11-27T15:32:47	7.9
1546	2021-11-01T01:55:41	17.0	**4157**	2021-11-09T20:01:49	5.0	**6767**	2021-11-18T13:52:17	7.7	**9377**	2021-11-27T15:37:47	8.3
1547	2021-11-01T02:00:41	17.0	**4158**	2021-11-09T20:06:50	5.2	**6768**	2021-11-18T13:57:17	7.7	**9378**	2021-11-27T15:42:47	8.5
1548	2021-11-01T02:05:40	17.1	**4159**	2021-11-09T20:11:49	5.2	**6769**	2021-11-18T14:02:17	7.8	**9379**	2021-11-27T15:47:47	8.7
1549	2021-11-01T02:10:41	17.3	**4160**	2021-11-09T20:16:49	5.0	**6770**	2021-11-18T14:07:17	7.5	**9380**	2021-11-27T15:52:46	8.8
1550	2021-11-01T02:15:41	17.4	**4161**	2021-11-09T20:21:49	5.1	**6771**	2021-11-18T14:12:17	8.5	**9381**	2021-11-27T15:57:47	8.9
1551	2021-11-01T02:20:41	17.4	**4162**	2021-11-09T20:26:49	5.4	**6772**	2021-11-18T14:17:18	9.3	**9382**	2021-11-27T16:02:46	9.0
1552	2021-11-01T02:25:39	17.2	**4163**	2021-11-09T20:31:50	5.3	**6773**	2021-11-18T14:22:17	9.8	**9383**	2021-11-27T16:07:47	9.1
1553	2021-11-01T02:30:40	17.5	**4164**	2021-11-09T20:36:50	5.1	**6774**	2021-11-18T14:27:18	10.2	**9384**	2021-11-27T16:12:47	9.3
1554	2021-11-01T02:35:40	17.7	**4165**	2021-11-09T20:41:49	5.2	**6775**	2021-11-18T14:32:18	10.6	**9385**	2021-11-27T16:17:47	9.8
1555	2021-11-01T02:40:40	17.4	**4166**	2021-11-09T20:46:49	5.7	**6776**	2021-11-18T14:37:17	10.9	**9386**	2021-11-27T16:22:47	9.9
1556	2021-11-01T02:45:40	17.3	**4167**	2021-11-09T20:51:49	5.9	**6777**	2021-11-18T14:42:18	11.2	**9387**	2021-11-27T16:27:47	9.4
1557	2021-11-01T02:50:40	17.4	**4168**	2021-11-09T20:56:50	5.9	**6778**	2021-11-18T14:47:17	11.5	**9388**	2021-11-27T16:32:47	8.8
1558	2021-11-01T02:55:40	17.7	**4169**	2021-11-09T21:01:50	6.2	**6779**	2021-11-18T14:52:17	11.3	**9389**	2021-11-27T16:37:48	8.2
1559	2021-11-01T03:00:40	18.0	**4170**	2021-11-09T21:06:50	6.6	**6780**	2021-11-18T14:57:18	11.0	**9390**	2021-11-27T16:42:46	7.8
1560	2021-11-01T03:05:40	17.4	**4171**	2021-11-09T21:11:51	6.8	**6781**	2021-11-18T15:02:18	10.7	**9391**	2021-11-27T16:47:47	7.7
1561	2021-11-01T03:10:40	18.0	**4172**	2021-11-09T21:16:50	6.9	**6782**	2021-11-18T15:07:16	10.6	**9392**	2021-11-27T16:52:47	8.1
1562	2021-11-01T03:15:40	19.1	**4173**	2021-11-09T21:21:50	7.0	**6783**	2021-11-18T15:12:17	11.5	**9393**	2021-11-27T16:57:47	8.9
1563	2021-11-01T03:20:41	19.7	**4174**	2021-11-09T21:26:49	7.8	**6784**	2021-11-18T15:17:17	11.3	**9394**	2021-11-27T17:02:47	9.7
1564	2021-11-01T03:25:40	19.7	**4175**	2021-11-09T21:31:49	7.8	**6785**	2021-11-18T15:22:17	11.3	**9395**	2021-11-27T17:07:47	10.4
1565	2021-11-01T03:30:40	19.7	**4176**	2021-11-09T21:35:00	nan	**6786**	2021-11-18T15:27:17	11.1	**9396**	2021-11-27T17:12:47	10.8
1566	2021-11-01T03:35:40	19.8	**4177**	2021-11-09T21:36:50	8.1	**6787**	2021-11-18T15:32:17	11.3	**9397**	2021-11-27T17:17:48	11.4
1567	2021-11-01T03:40:40	19.9	**4178**	2021-11-09T21:41:50	8.6	**6788**	2021-11-18T15:37:00	nan	**9398**	2021-11-27T17:22:47	11.7
1568	2021-11-01T03:45:40	19.6	**4179**	2021-11-09T21:46:50	9.0	**6789**	2021-11-18T15:37:17	11.3	**9399**	2021-11-27T17:27:47	11.5
1569	2021-11-01T03:50:40	19.4	**4180**	2021-11-09T21:51:50	9.3	**6790**	2021-11-18T15:42:17	11.3	**9400**	2021-11-27T17:32:47	10.9
1570	2021-11-01T03:55:40	19.3	**4181**	2021-11-09T21:56:50	9.3	**6791**	2021-11-18T15:47:17	11.1	**9401**	2021-11-27T17:37:47	11.9
1571	2021-11-01T04:00:40	19.3	**4182**	2021-11-09T22:01:50	9.0	**6792**	2021-11-18T15:52:17	10.8	**9402**	2021-11-27T17:42:47	12.3
1572	2021-11-01T04:05:40	18.8	**4183**	2021-11-09T22:06:50	8.8	**6793**	2021-11-18T15:57:17	11.5	**9403**	2021-11-27T17:47:47	12.2
1573	2021-11-01T04:10:40	18.5	**4184**	2021-11-09T22:11:50	8.9	**6794**	2021-11-18T16:02:18	12.0	**9404**	2021-11-27T17:52:48	12.0
1574	2021-11-01T04:15:40	18.9	**4185**	2021-11-09T22:16:50	9.2	**6795**	2021-11-18T16:07:17	12.4	**9405**	2021-11-27T17:57:47	11.8
1575	2021-11-01T04:20:41	19.3	**4186**	2021-11-09T22:21:49	9.8	**6796**	2021-11-18T16:12:17	12.4	**9406**	2021-11-27T18:02:48	11.7
1576	2021-11-01T04:25:40	19.6	**4187**	2021-11-09T22:26:50	10.9	**6797**	2021-11-18T16:17:17	14.0	**9407**	2021-11-27T18:07:47	11.7
1577	2021-11-01T04:30:41	19.8	**4188**	2021-11-09T22:31:50	11.8	**6798**	2021-11-18T16:22:17	13.9	**9408**	2021-11-27T18:12:47	11.7
1578	2021-11-01T04:35:41	19.9	**4189**	2021-11-09T22:36:50	12.5	**6799**	2021-11-18T16:27:17	14.3	**9409**	2021-11-27T18:17:47	11.8
1579	2021-11-01T04:40:40	20.0	**4190**	2021-11-09T22:41:50	12.2	**6800**	2021-11-18T16:32:17	14.4	**9410**	2021-11-27T18:22:46	11.9
1580	2021-11-01T04:45:41	20.3	**4191**	2021-11-09T22:46:50	12.0	**6801**	2021-11-18T16:37:17	14.6	**9411**	2021-11-27T18:27:47	11.9

1581	2021-11-01T04:50:40	19.9	**4192**	2021-11-09T22:51:49	11.9	**6802**	2021-11-18T16:42:17	14.8	**9412**	2021-11-27T18:32:48	11.9
1582	2021-11-01T04:55:40	19.9	**4193**	2021-11-09T22:56:49	12.2	**6803**	2021-11-18T16:47:17	14.8	**9413**	2021-11-27T18:37:47	11.9
1583	2021-11-01T05:00:41	20.1	**4194**	2021-11-09T23:01:50	12.8	**6804**	2021-11-18T16:52:17	14.7	**9414**	2021-11-27T18:42:47	11.7
1584	2021-11-01T05:05:40	19.6	**4195**	2021-11-09T23:06:49	12.6	**6805**	2021-11-18T16:57:17	14.9	**9415**	2021-11-27T18:47:47	11.4
1585	2021-11-01T05:10:41	20.3	**4196**	2021-11-09T23:11:49	12.6	**6806**	2021-11-18T17:02:18	15.0	**9416**	2021-11-27T18:52:48	11.5
1586	2021-11-01T05:15:40	20.8	**4197**	2021-11-09T23:16:50	12.6	**6807**	2021-11-18T17:03:00	nan	**9417**	2021-11-27T18:57:47	12.2
1587	2021-11-01T05:20:42	21.1	**4198**	2021-11-09T23:21:50	12.5	**6808**	2021-11-18T17:07:17	15.0	**9418**	2021-11-27T19:02:47	11.7
1588	2021-11-01T05:25:41	21.3	**4199**	2021-11-09T23:26:50	12.4	**6809**	2021-11-18T17:12:18	15.1	**9419**	2021-11-27T19:07:47	11.6
1589	2021-11-01T05:30:40	20.8	**4200**	2021-11-09T23:27:00	nan	**6810**	2021-11-18T17:17:18	15.3	**9420**	2021-11-27T19:12:47	11.5
1590	2021-11-01T05:35:41	20.4	**4201**	2021-11-09T23:27:00	nan	**6811**	2021-11-18T17:22:18	15.3	**9421**	2021-11-27T19:17:48	11.4
1591	2021-11-01T05:40:41	20.5	**4202**	2021-11-09T23:31:50	12.4	**6812**	2021-11-18T17:27:18	15.1	**9422**	2021-11-27T19:22:47	11.5
1592	2021-11-01T05:45:40	21.0	**4203**	2021-11-09T23:36:50	12.4	**6813**	2021-11-18T17:32:18	14.3	**9423**	2021-11-27T19:27:47	11.7
1593	2021-11-01T05:50:40	21.0	**4204**	2021-11-09T23:41:50	12.5	**6814**	2021-11-18T17:37:18	13.5	**9424**	2021-11-27T19:32:47	12.0
1594	2021-11-01T05:55:41	20.8	**4205**	2021-11-09T23:46:50	12.7	**6815**	2021-11-18T17:42:18	13.3	**9425**	2021-11-27T19:37:47	11.9
1595	2021-11-01T06:00:41	20.3	**4206**	2021-11-09T23:51:50	12.8	**6816**	2021-11-18T17:47:18	13.1	**9426**	2021-11-27T19:42:47	11.6
1596	2021-11-01T06:05:41	20.0	**4207**	2021-11-09T23:56:50	12.6	**6817**	2021-11-18T17:52:18	12.9	**9427**	2021-11-27T19:47:48	11.6
1597	2021-11-01T06:10:41	19.8	**4208**	2021-11-10T00:01:50	12.6	**6818**	2021-11-18T17:57:17	13.0	**9428**	2021-11-27T19:52:47	11.7
1598	2021-11-01T06:15:41	19.6	**4209**	2021-11-10T00:06:50	12.2	**6819**	2021-11-18T18:02:18	12.9	**9429**	2021-11-27T19:57:47	11.9
1599	2021-11-01T06:20:41	19.1	**4210**	2021-11-10T00:11:50	11.3	**6820**	2021-11-18T18:07:18	12.4	**9430**	2021-11-27T20:02:46	12.0
1600	2021-11-01T06:25:40	19.5	**4211**	2021-11-10T00:16:50	10.8	**6821**	2021-11-18T18:12:18	12.7	**9431**	2021-11-27T20:07:46	11.9
1601	2021-11-01T06:30:40	20.2	**4212**	2021-11-10T00:21:50	10.4	**6822**	2021-11-18T18:17:17	12.5	**9432**	2021-11-27T20:12:47	11.8
1602	2021-11-01T06:35:40	20.8	**4213**	2021-11-10T00:26:50	9.7	**6823**	2021-11-18T18:22:17	12.3	**9433**	2021-11-27T20:17:48	11.5
1603	2021-11-01T06:40:41	21.2	**4214**	2021-11-10T00:31:51	9.3	**6824**	2021-11-18T18:27:17	12.1	**9434**	2021-11-27T20:22:47	11.4
1604	2021-11-01T06:45:41	21.4	**4215**	2021-11-10T00:36:50	8.9	**6825**	2021-11-18T18:32:18	12.0	**9435**	2021-11-27T20:27:47	11.4
1605	2021-11-01T06:50:40	21.5	**4216**	2021-11-10T00:41:51	8.2	**6826**	2021-11-18T18:37:18	11.5	**9436**	2021-11-27T20:32:47	11.5
1606	2021-11-01T06:55:40	21.6	**4217**	2021-11-10T00:46:50	7.9	**6827**	2021-11-18T18:42:18	11.9	**9437**	2021-11-27T20:37:47	12.0
1607	2021-11-01T07:00:41	21.5	**4218**	2021-11-10T00:51:51	8.2	**6828**	2021-11-18T18:47:18	11.5	**9438**	2021-11-27T20:42:48	12.5
1608	2021-11-01T07:05:40	20.4	**4219**	2021-11-10T00:56:53	7.7	**6829**	2021-11-18T18:52:18	11.1	**9439**	2021-11-27T20:47:47	12.5
1609	2021-11-01T07:10:41	19.8	**4220**	2021-11-10T01:01:51	6.5	**6830**	2021-11-18T18:57:18	10.8	**9440**	2021-11-27T20:52:47	12.6
1610	2021-11-01T07:15:40	19.8	**4221**	2021-11-10T01:06:50	5.8	**6831**	2021-11-18T19:02:18	10.8	**9441**	2021-11-27T20:57:47	12.8
1611	2021-11-01T07:20:41	19.8	**4222**	2021-11-10T01:11:51	5.3	**6832**	2021-11-18T19:07:18	10.8	**9442**	2021-11-27T21:02:47	12.9
1612	2021-11-01T07:25:41	19.7	**4223**	2021-11-10T01:16:51	5.2	**6833**	2021-11-18T19:12:17	10.9	**9443**	2021-11-27T21:07:47	13.0
1613	2021-11-01T07:30:40	19.6	**4224**	2021-11-10T01:21:50	5.0	**6834**	2021-11-18T19:17:17	11.7	**9444**	2021-11-27T21:12:47	12.8
1614	2021-11-01T07:35:41	19.2	**4225**	2021-11-10T01:26:50	4.7	**6835**	2021-11-18T19:22:18	11.8	**9445**	2021-11-27T21:17:48	12.5
1615	2021-11-01T07:40:41	18.5	**4226**	2021-11-10T01:31:51	4.7	**6836**	2021-11-18T19:27:18	11.9	**9446**	2021-11-27T21:22:47	12.0
1616	2021-11-01T07:45:41	18.6	**4227**	2021-11-10T01:36:51	4.8	**6837**	2021-11-18T19:32:18	11.7	**9447**	2021-11-27T21:27:47	11.5
1617	2021-11-01T07:50:41	18.9	**4228**	2021-11-10T01:41:50	5.1	**6838**	2021-11-18T19:37:17	11.6	**9448**	2021-11-27T21:32:00	nan
1618	2021-11-01T07:55:41	18.5	**4229**	2021-11-10T01:46:50	5.3	**6839**	2021-11-18T19:42:18	11.8	**9449**	2021-11-27T21:32:00	nan
1619	2021-11-01T08:00:41	18.0	**4230**	2021-11-10T01:51:51	5.7	**6840**	2021-11-18T19:47:18	12.1	**9450**	2021-11-27T21:32:47	11.3
1620	2021-11-01T08:05:41	18.7	**4231**	2021-11-10T01:56:50	6.0	**6841**	2021-11-18T19:52:18	11.8	**9451**	2021-11-27T21:33:00	nan
1621	2021-11-01T08:10:41	18.8	**4232**	2021-11-10T02:01:50	5.9	**6842**	2021-11-18T19:57:17	11.5	**9452**	2021-11-27T21:37:47	11.4
1622	2021-11-01T08:15:40	18.9	**4233**	2021-11-10T02:06:51	5.8	**6843**	2021-11-18T20:02:19	11.4	**9453**	2021-11-27T21:42:48	11.8
1623	2021-11-01T08:20:41	18.6	**4234**	2021-11-10T02:11:50	5.8	**6844**	2021-11-18T20:07:18	11.6	**9454**	2021-11-27T21:47:47	10.9
1624	2021-11-01T08:25:41	18.3	**4235**	2021-11-10T02:16:51	5.9	**6845**	2021-11-18T20:12:18	11.4	**9455**	2021-11-27T21:52:48	10.5
1625	2021-11-01T08:30:41	18.7	**4236**	2021-11-10T02:21:50	6.2	**6846**	2021-11-18T20:16:00	nan	**9456**	2021-11-27T21:57:48	9.9
1626	2021-11-01T08:35:41	18.9	**4237**	2021-11-10T02:26:50	6.5	**6847**	2021-11-18T20:17:00	nan	**9457**	2021-11-27T22:02:47	9.4
1627	2021-11-01T08:40:41	19.0	**4238**	2021-11-10T02:31:50	6.7	**6848**	2021-11-18T20:17:19	11.3	**9458**	2021-11-27T22:07:48	8.9
1628	2021-11-01T08:45:41	17.7	**4239**	2021-11-10T02:36:50	7.0	**6849**	2021-11-18T20:22:18	11.2	**9459**	2021-11-27T22:12:48	8.4
1629	2021-11-01T08:50:41	17.8	**4240**	2021-11-10T02:41:50	7.1	**6850**	2021-11-18T20:27:19	11.1	**9460**	2021-11-27T22:17:49	8.0
1630	2021-11-01T08:55:41	17.0	**4241**	2021-11-10T02:46:50	7.2	**6851**	2021-11-18T20:32:18	11.1	**9461**	2021-11-27T22:22:47	7.7
1631	2021-11-01T09:00:41	16.7	**4242**	2021-11-10T02:51:50	7.3	**6852**	2021-11-18T20:37:19	11.5	**9462**	2021-11-27T22:27:47	7.5
1632	2021-11-01T09:05:41	17.0	**4243**	2021-11-10T02:56:50	7.4	**6853**	2021-11-18T20:42:18	11.7	**9463**	2021-11-27T22:32:48	7.8
1633	2021-11-01T09:10:41	17.0	**4244**	2021-11-10T03:01:50	7.5	**6854**	2021-11-18T20:47:19	11.6	**9464**	2021-11-27T22:37:47	7.7
1634	2021-11-01T09:15:42	16.8	**4245**	2021-11-10T03:06:50	7.5	**6855**	2021-11-18T20:52:18	11.2	**9465**	2021-11-27T22:42:47	8.5
1635	2021-11-01T09:20:41	16.5	**4246**	2021-11-10T03:11:50	7.6	**6856**	2021-11-18T20:57:19	10.6	**9466**	2021-11-27T22:47:48	8.6

1636	2021-11-01T09:25:40	16.1	**4247**	2021-11-10T03:16:50	7.5	**6857**	2021-11-18T21:02:18	10.0	**9467**	2021-11-27T22:52:47	8.5
1637	2021-11-01T09:30:40	15.8	**4248**	2021-11-10T03:21:50	7.2	**6858**	2021-11-18T21:07:18	9.3	**9468**	2021-11-27T22:57:48	8.4
1638	2021-11-01T09:35:41	15.4	**4249**	2021-11-10T03:26:51	6.7	**6859**	2021-11-18T21:12:18	8.7	**9469**	2021-11-27T23:02:47	8.3
1639	2021-11-01T09:40:40	14.9	**4250**	2021-11-10T03:31:50	6.4	**6860**	2021-11-18T21:17:18	8.2	**9470**	2021-11-27T23:07:47	7.8
1640	2021-11-01T09:45:40	14.4	**4251**	2021-11-10T03:36:50	6.1	**6861**	2021-11-18T21:22:18	8.0	**9471**	2021-11-27T23:12:48	7.3
1641	2021-11-01T09:50:41	14.1	**4252**	2021-11-10T03:41:51	6.0	**6862**	2021-11-18T21:27:18	7.7	**9472**	2021-11-27T23:17:48	7.0
1642	2021-11-01T09:55:40	13.6	**4253**	2021-11-10T03:46:50	6.0	**6863**	2021-11-18T21:32:18	7.8	**9473**	2021-11-27T23:22:47	6.5
1643	2021-11-01T10:00:40	13.0	**4254**	2021-11-10T03:51:50	6.5	**6864**	2021-11-18T21:34:00	nan	**9474**	2021-11-27T23:27:47	6.2
1644	2021-11-01T10:05:41	12.7	**4255**	2021-11-10T03:56:51	7.5	**6865**	2021-11-18T21:37:18	8.0	**9475**	2021-11-27T23:32:47	5.7
1645	2021-11-01T10:08:00	nan	**4256**	2021-11-10T04:01:50	7.6	**6866**	2021-11-18T21:42:18	7.8	**9476**	2021-11-27T23:37:47	5.2
1646	2021-11-01T10:10:00	nan	**4257**	2021-11-10T04:06:51	7.6	**6867**	2021-11-18T21:47:18	7.4	**9477**	2021-11-27T23:42:47	4.7
1647	2021-11-01T10:10:41	12.3	**4258**	2021-11-10T04:11:50	7.5	**6868**	2021-11-18T21:52:19	7.7	**9478**	2021-11-27T23:47:48	4.6
1648	2021-11-01T10:15:41	11.8	**4259**	2021-11-10T04:16:51	7.7	**6869**	2021-11-18T21:57:18	7.3	**9479**	2021-11-27T23:52:47	4.3
1649	2021-11-01T10:20:41	11.8	**4260**	2021-11-10T04:21:52	7.8	**6870**	2021-11-18T22:02:19	6.9	**9480**	2021-11-27T23:57:48	4.8
1650	2021-11-01T10:25:41	11.2	**4261**	2021-11-10T04:26:50	7.7	**6871**	2021-11-18T22:07:18	6.6	**9481**	2021-11-28T00:02:48	5.7
1651	2021-11-01T10:30:41	10.8	**4262**	2021-11-10T04:31:50	7.7	**6872**	2021-11-18T22:12:18	6.5	**9482**	2021-11-28T00:07:47	6.5
1652	2021-11-01T10:35:41	10.8	**4263**	2021-11-10T04:36:51	7.8	**6873**	2021-11-18T22:17:18	6.2	**9483**	2021-11-28T00:12:47	6.0
1653	2021-11-01T10:40:41	10.5	**4264**	2021-11-10T04:41:50	8.0	**6874**	2021-11-18T22:22:18	5.8	**9484**	2021-11-28T00:17:48	7.2
1654	2021-11-01T10:45:41	10.0	**4265**	2021-11-10T04:46:51	8.3	**6875**	2021-11-18T22:27:19	5.7	**9485**	2021-11-28T00:22:47	7.5
1655	2021-11-01T10:50:41	8.8	**4266**	2021-11-10T04:51:51	9.0	**6876**	2021-11-18T22:32:18	5.7	**9486**	2021-11-28T00:27:48	6.9
1656	2021-11-01T10:55:41	7.5	**4267**	2021-11-10T04:56:51	9.2	**6877**	2021-11-18T22:37:18	5.4	**9487**	2021-11-28T00:32:48	6.6
1657	2021-11-01T11:00:41	6.5	**4268**	2021-11-10T05:01:51	9.3	**6878**	2021-11-18T22:42:18	5.6	**9488**	2021-11-28T00:37:48	5.6
1658	2021-11-01T11:05:40	5.8	**4269**	2021-11-10T05:06:51	9.4	**6879**	2021-11-18T22:47:18	5.5	**9489**	2021-11-28T00:42:48	5.2
1659	2021-11-01T11:10:40	5.3	**4270**	2021-11-10T05:11:51	9.4	**6880**	2021-11-18T22:52:18	5.5	**9490**	2021-11-28T00:47:48	4.7
1660	2021-11-01T11:15:41	4.9	**4271**	2021-11-10T05:16:50	8.4	**6881**	2021-11-18T22:57:18	5.6	**9491**	2021-11-28T00:52:48	5.2
1661	2021-11-01T11:20:40	5.1	**4272**	2021-11-10T05:21:50	8.5	**6882**	2021-11-18T23:02:18	5.6	**9492**	2021-11-28T00:57:48	6.4
1662	2021-11-01T11:25:41	5.8	**4273**	2021-11-10T05:26:50	8.5	**6883**	2021-11-18T23:07:19	5.8	**9493**	2021-11-28T01:02:48	8.4
1663	2021-11-01T11:30:41	6.4	**4274**	2021-11-10T05:31:50	8.6	**6884**	2021-11-18T23:12:19	5.8	**9494**	2021-11-28T01:07:48	8.0
1664	2021-11-01T11:35:41	6.9	**4275**	2021-11-10T05:36:51	8.7	**6885**	2021-11-18T23:17:18	5.8	**9495**	2021-11-28T01:12:48	7.2
1665	2021-11-01T11:40:40	7.4	**4276**	2021-11-10T05:41:50	8.7	**6886**	2021-11-18T23:22:18	5.8	**9496**	2021-11-28T02:07:48	14.4
1666	2021-11-01T11:45:41	7.5	**4277**	2021-11-10T05:46:50	8.0	**6887**	2021-11-18T23:27:19	5.9	**9497**	2021-11-28T02:12:47	14.8
1667	2021-11-01T11:50:41	7.8	**4278**	2021-11-10T05:51:51	9.2	**6888**	2021-11-18T23:32:18	6.0	**9498**	2021-11-28T02:17:49	15.2
1668	2021-11-01T11:55:40	8.1	**4279**	2021-11-10T05:56:51	10.0	**6889**	2021-11-18T23:37:19	5.7	**9499**	2021-11-28T02:22:48	15.5
1669	2021-11-01T12:00:42	8.4	**4280**	2021-11-10T06:01:51	10.3	**6890**	2021-11-18T23:42:19	5.3	**9500**	2021-11-28T02:27:48	16.9
1670	2021-11-01T12:05:41	8.3	**4281**	2021-11-10T06:06:51	10.2	**6891**	2021-11-18T23:47:19	5.3	**9501**	2021-11-28T02:32:48	18.4
1671	2021-11-01T12:10:41	8.2	**4282**	2021-11-10T06:11:52	9.6	**6892**	2021-11-18T23:52:19	5.4	**9502**	2021-11-28T02:37:00	nan
1672	2021-11-01T12:15:41	7.7	**4283**	2021-11-10T06:16:52	9.2	**6893**	2021-11-18T23:57:19	5.5	**9503**	2021-11-28T02:37:48	18.6
1673	2021-11-01T12:20:41	7.7	**4284**	2021-11-10T06:21:50	9.0	**6894**	2021-11-19T00:02:19	5.6	**9504**	2021-11-28T02:42:48	18.8
1674	2021-11-01T12:25:41	7.7	**4285**	2021-11-10T06:26:52	9.0	**6895**	2021-11-19T00:07:19	5.7	**9505**	2021-11-28T02:47:48	18.8
1675	2021-11-01T12:30:41	7.4	**4286**	2021-11-10T06:31:51	9.0	**6896**	2021-11-19T00:12:19	5.9	**9506**	2021-11-28T02:52:48	18.9
1676	2021-11-01T12:35:41	6.8	**4287**	2021-11-10T06:36:51	8.7	**6897**	2021-11-19T00:17:18	5.7	**9507**	2021-11-28T02:57:48	19.1
1677	2021-11-01T12:40:40	5.9	**4288**	2021-11-10T06:41:51	8.6	**6898**	2021-11-19T00:22:19	5.4	**9508**	2021-11-28T03:02:48	18.9
1678	2021-11-01T12:41:00	nan	**4289**	2021-11-10T06:46:52	8.9	**6899**	2021-11-19T00:27:18	5.6	**9509**	2021-11-28T03:07:48	18.5
1679	2021-11-01T12:42:00	nan	**4290**	2021-11-10T06:51:51	9.4	**6900**	2021-11-19T00:32:19	5.9	**9510**	2021-11-28T03:12:49	17.9
1680	2021-11-01T12:45:41	5.4	**4291**	2021-11-10T06:56:52	9.5	**6901**	2021-11-19T00:37:19	5.9	**9511**	2021-11-28T03:17:49	16.7
1681	2021-11-01T12:50:41	5.2	**4292**	2021-11-10T07:01:52	9.4	**6902**	2021-11-19T00:42:18	5.9	**9512**	2021-11-28T03:22:48	16.2
1682	2021-11-01T12:55:41	5.3	**4293**	2021-11-10T07:06:52	9.2	**6903**	2021-11-19T00:47:19	5.8	**9513**	2021-11-28T03:27:48	16.6
1683	2021-11-01T13:00:41	5.6	**4294**	2021-11-10T07:11:52	9.0	**6904**	2021-11-19T00:52:18	5.7	**9514**	2021-11-28T03:32:49	17.4
1684	2021-11-01T13:05:41	5.9	**4295**	2021-11-10T07:16:50	8.6	**6905**	2021-11-19T00:57:19	5.6	**9515**	2021-11-28T03:37:49	18.0
1685	2021-11-01T13:10:41	6.3	**4296**	2021-11-10T07:21:50	8.5	**6906**	2021-11-19T01:02:19	5.5	**9516**	2021-11-28T03:42:48	18.3
1686	2021-11-01T13:15:41	6.8	**4297**	2021-11-10T07:26:51	8.5	**6907**	2021-11-19T01:07:18	5.2	**9517**	2021-11-28T03:47:48	17.8
1687	2021-11-01T13:20:40	6.8	**4298**	2021-11-10T07:31:51	8.7	**6908**	2021-11-19T01:12:18	5.1	**9518**	2021-11-28T03:52:49	17.3
1688	2021-11-01T13:25:41	6.9	**4299**	2021-11-10T07:36:51	8.8	**6909**	2021-11-19T01:17:18	5.1	**9519**	2021-11-28T03:57:48	16.9
1689	2021-11-01T13:30:41	7.0	**4300**	2021-11-10T07:41:51	8.8	**6910**	2021-11-19T01:22:18	5.2	**9520**	2021-11-28T04:02:48	17.0

1690	2021-11-01T13:35:41	7.3	4301	2021-11-10T07:46:50	8.9	6911	2021-11-19T01:27:18	5.2	9521	2021-11-28T04:07:48	17.4
1691	2021-11-01T13:37:00	nan	4302	2021-11-10T07:51:51	8.9	6912	2021-11-19T01:32:19	5.1	9522	2021-11-28T04:12:48	17.6
1692	2021-11-01T13:40:41	7.6	4303	2021-11-10T07:56:51	9.3	6913	2021-11-19T01:37:19	5.1	9523	2021-11-28T04:17:49	17.8
1693	2021-11-01T13:45:41	8.0	4304	2021-11-10T08:01:51	9.3	6914	2021-11-19T01:42:19	5.1	9524	2021-11-28T04:22:49	17.1
1694	2021-11-01T13:50:41	8.3	4305	2021-11-10T08:06:51	9.4	6915	2021-11-19T01:47:19	5.1	9525	2021-11-28T04:27:48	16.7
1695	2021-11-01T13:55:41	8.5	4306	2021-11-10T08:11:51	9.5	6916	2021-11-19T01:52:19	5.2	9526	2021-11-28T04:32:49	16.4
1696	2021-11-01T14:00:42	8.8	4307	2021-11-10T08:16:51	9.5	6917	2021-11-19T01:57:19	4.9	9527	2021-11-28T04:37:48	16.6
1697	2021-11-01T14:05:41	8.7	4308	2021-11-10T08:21:50	9.5	6918	2021-11-19T02:02:19	4.9	9528	2021-11-28T04:42:48	16.7
1698	2021-11-01T14:10:41	8.9	4309	2021-11-10T08:26:51	9.4	6919	2021-11-19T02:07:19	4.8	9529	2021-11-28T04:47:48	16.8
1699	2021-11-01T14:15:41	8.7	4310	2021-11-10T08:31:51	9.4	6920	2021-11-19T02:12:19	4.8	9530	2021-11-28T04:52:48	16.9
1700	2021-11-01T14:20:41	8.3	4311	2021-11-10T08:36:51	9.4	6921	2021-11-19T02:17:19	4.9	9531	2021-11-28T04:57:48	16.9
1701	2021-11-01T14:25:41	8.0	4312	2021-11-10T08:41:51	9.5	6922	2021-11-19T02:22:19	4.9	9532	2021-11-28T05:02:48	16.8
1702	2021-11-01T14:30:42	7.7	4313	2021-11-10T08:46:51	9.2	6923	2021-11-19T02:27:19	4.9	9533	2021-11-28T05:07:48	17.1
1703	2021-11-01T14:35:41	7.5	4314	2021-11-10T08:51:51	8.7	6924	2021-11-19T02:32:19	4.9	9534	2021-11-28T05:12:49	17.5
1704	2021-11-01T14:40:41	7.7	4315	2021-11-10T08:56:51	8.5	6925	2021-11-19T02:37:19	4.9	9535	2021-11-28T05:17:49	17.9
1705	2021-11-01T14:45:41	7.8	4316	2021-11-10T09:01:51	8.7	6926	2021-11-19T02:42:20	4.9	9536	2021-11-28T05:22:49	18.5
1706	2021-11-01T14:50:41	7.5	4317	2021-11-10T09:06:51	9.1	6927	2021-11-19T02:47:19	4.9	9537	2021-11-28T05:27:49	18.5
1707	2021-11-01T14:55:41	7.2	4318	2021-11-10T09:08:00	nan	6928	2021-11-19T02:52:19	4.8	9538	2021-11-28T05:32:49	18.3
1708	2021-11-01T15:00:41	6.7	4319	2021-11-10T09:08:00	nan	6929	2021-11-19T02:57:19	4.2	9539	2021-11-28T05:37:48	18.0
1709	2021-11-01T15:05:42	5.8	4320	2021-11-10T09:11:51	9.2	6930	2021-11-19T03:02:19	4.6	9540	2021-11-28T05:42:49	18.0
1710	2021-11-01T15:10:42	5.2	4321	2021-11-10T09:16:51	9.0	6931	2021-11-19T03:07:19	4.8	9541	2021-11-28T05:47:49	17.8
1711	2021-11-01T15:15:42	5.3	4322	2021-11-10T09:21:51	9.2	6932	2021-11-19T03:12:19	4.9	9542	2021-11-28T05:52:49	17.5
1712	2021-11-01T15:20:42	5.8	4323	2021-11-10T09:26:51	9.2	6933	2021-11-19T03:17:20	4.9	9543	2021-11-28T05:57:49	17.3
1713	2021-11-01T15:25:42	6.7	4324	2021-11-10T09:31:51	8.6	6934	2021-11-19T03:22:19	4.9	9544	2021-11-28T06:02:49	16.1
1714	2021-11-01T15:30:42	7.7	4325	2021-11-10T09:36:51	8.6	6935	2021-11-19T03:27:19	4.9	9545	2021-11-28T06:07:49	16.3
1715	2021-11-01T15:35:42	8.5	4326	2021-11-10T09:41:51	8.3	6936	2021-11-19T03:32:20	4.9	9546	2021-11-28T06:12:49	15.7
1716	2021-11-01T15:40:42	9.2	4327	2021-11-10T09:46:51	8.4	6937	2021-11-19T03:37:19	4.8	9547	2021-11-28T06:17:49	15.5
1717	2021-11-01T15:45:42	9.4	4328	2021-11-10T09:51:52	8.4	6938	2021-11-19T03:42:19	4.5	9548	2021-11-28T06:22:48	15.5
1718	2021-11-01T15:50:42	9.7	4329	2021-11-10T09:56:52	8.2	6939	2021-11-19T03:47:19	4.4	9549	2021-11-28T06:27:48	15.4
1719	2021-11-01T15:55:41	10.2	4330	2021-11-10T10:01:51	8.2	6940	2021-11-19T03:52:19	4.4	9550	2021-11-28T06:32:48	15.5
1720	2021-11-01T16:00:42	11.0	4331	2021-11-10T10:06:51	8.2	6941	2021-11-19T03:57:19	4.4	9551	2021-11-28T06:37:48	15.4
1721	2021-11-01T16:05:42	11.3	4332	2021-11-10T10:11:51	8.3	6942	2021-11-19T04:02:20	4.6	9552	2021-11-28T06:42:48	14.7
1722	2021-11-01T16:10:42	11.5	4333	2021-11-10T10:16:52	8.3	6943	2021-11-19T04:07:19	4.7	9553	2021-11-28T06:47:48	15.7
1723	2021-11-01T16:15:41	11.4	4334	2021-11-10T10:21:52	8.2	6944	2021-11-19T04:12:19	4.6	9554	2021-11-28T06:52:48	17.1
1724	2021-11-01T16:20:41	11.6	4335	2021-11-10T10:26:51	8.0	6945	2021-11-19T04:17:19	4.5	9555	2021-11-28T06:57:49	17.3
1725	2021-11-01T16:25:41	11.9	4336	2021-11-10T10:31:51	7.9	6946	2021-11-19T04:22:19	4.4	9556	2021-11-28T07:02:49	16.5
1726	2021-11-01T16:30:41	12.1	4337	2021-11-10T10:36:51	7.8	6947	2021-11-19T04:27:19	4.3	9557	2021-11-28T07:07:48	16.7
1727	2021-11-01T16:35:42	12.3	4338	2021-11-10T10:41:51	7.7	6948	2021-11-19T04:32:19	4.4	9558	2021-11-28T07:12:49	15.8
1728	2021-11-01T16:40:42	12.7	4339	2021-11-10T10:46:51	7.7	6949	2021-11-19T04:37:19	4.5	9559	2021-11-28T07:17:49	14.4
1729	2021-11-01T16:45:41	13.1	4340	2021-11-10T10:51:51	7.6	6950	2021-11-19T04:42:19	4.5	9560	2021-11-28T07:22:48	13.7
1730	2021-11-01T16:50:41	13.3	4341	2021-11-10T10:56:51	7.7	6951	2021-11-19T04:47:19	4.5	9561	2021-11-28T07:27:48	14.0
1731	2021-11-01T16:55:41	13.5	4342	2021-11-10T11:01:51	7.8	6952	2021-11-19T04:52:19	4.4	9562	2021-11-28T07:32:48	14.4
1732	2021-11-01T17:00:42	13.7	4343	2021-11-10T11:06:51	7.6	6953	2021-11-19T04:57:19	4.4	9563	2021-11-28T07:37:48	14.2
1733	2021-11-01T17:01:00	nan	4344	2021-11-10T11:11:51	7.5	6954	2021-11-19T05:02:19	4.4	9564	2021-11-28T07:42:49	13.5
1734	2021-11-01T17:05:42	13.7	4345	2021-11-10T11:16:52	7.6	6955	2021-11-19T05:07:20	4.4	9565	2021-11-28T07:47:49	13.6
1735	2021-11-01T17:10:41	13.7	4346	2021-11-10T11:21:51	7.5	6956	2021-11-19T05:12:19	4.4	9566	2021-11-28T07:52:49	12.8
1736	2021-11-01T17:15:41	14.2	4347	2021-11-10T11:26:51	7.3	6957	2021-11-19T05:17:19	4.4	9567	2021-11-28T07:57:48	12.1
1737	2021-11-01T17:20:41	14.4	4348	2021-11-10T11:31:52	7.3	6958	2021-11-19T05:22:19	4.4	9568	2021-11-28T08:02:48	12.0
1738	2021-11-01T17:25:41	14.4	4349	2021-11-10T11:36:51	7.3	6959	2021-11-19T05:27:19	4.4	9569	2021-11-28T08:07:49	11.0
1739	2021-11-01T17:30:41	14.1	4350	2021-11-10T11:41:51	7.2	6960	2021-11-19T05:32:19	4.3	9570	2021-11-28T08:12:49	10.4
1740	2021-11-01T17:35:41	14.1	4351	2021-11-10T11:46:51	7.2	6961	2021-11-19T05:37:18	4.3	9571	2021-11-28T08:17:49	9.8
1741	2021-11-01T17:40:41	14.2	4352	2021-11-10T11:49:00	nan	6962	2021-11-19T05:42:20	4.1	9572	2021-11-28T08:22:48	9.4
1742	2021-11-01T17:43:00	nan	4353	2021-11-10T11:51:51	7.0	6963	2021-11-19T05:47:19	4.1	9573	2021-11-28T08:27:48	10.5
1743	2021-11-01T17:45:42	14.0	4354	2021-11-10T11:56:51	7.0	6964	2021-11-19T05:52:19	4.1	9574	2021-11-28T08:32:48	10.6
1744	2021-11-01T17:50:42	13.6	4355	2021-11-10T12:01:51	6.9	6965	2021-11-19T05:57:20	4.2	9575	2021-11-28T08:37:48	10.4

1745	2021-11-01T17:55:41	13.8	**4356**	2021-11-10T12:06:51	7.0	**6966**	2021-11-19T06:02:20	4.3	**9576**	2021-11-28T08:42:48	9.9
1746	2021-11-01T18:00:42	13.7	**4357**	2021-11-10T12:11:52	6.9	**6967**	2021-11-19T06:07:20	4.4	**9577**	2021-11-28T08:47:49	9.5
1747	2021-11-01T18:05:42	12.2	**4358**	2021-11-10T12:16:52	6.8	**6968**	2021-11-19T06:12:20	4.3	**9578**	2021-11-28T08:52:48	9.2
1748	2021-11-01T18:10:42	13.4	**4359**	2021-11-10T12:21:52	6.7	**6969**	2021-11-19T06:17:19	4.3	**9579**	2021-11-28T08:57:49	7.9
1749	2021-11-01T18:15:00	nan	**4360**	2021-11-10T12:26:52	6.5	**6970**	2021-11-19T06:22:19	4.3	**9580**	2021-11-28T09:02:49	7.7
1750	2021-11-01T18:15:00	nan	**4361**	2021-11-10T12:31:51	6.4	**6971**	2021-11-19T06:27:20	4.3	**9581**	2021-11-28T09:07:49	7.5
1751	2021-11-01T18:15:42	12.8	**4362**	2021-11-10T12:36:52	6.1	**6972**	2021-11-19T06:32:20	4.3	**9582**	2021-11-28T09:12:48	7.4
1752	2021-11-01T18:20:42	12.7	**4363**	2021-11-10T12:41:51	5.9	**6973**	2021-11-19T06:37:19	4.4	**9583**	2021-11-28T09:17:50	8.0
1753	2021-11-01T18:25:42	12.4	**4364**	2021-11-10T12:42:00	nan	**6974**	2021-11-19T06:42:19	4.5	**9584**	2021-11-28T09:22:49	8.8
1754	2021-11-01T18:30:41	12.2	**4365**	2021-11-10T12:42:00	nan	**6975**	2021-11-19T06:47:20	4.4	**9585**	2021-11-28T09:27:50	8.8
1755	2021-11-01T18:35:42	12.4	**4366**	2021-11-10T12:46:52	5.8	**6976**	2021-11-19T06:52:20	4.2	**9586**	2021-11-28T09:32:49	8.7
1756	2021-11-01T18:40:42	12.6	**4367**	2021-11-10T12:51:52	5.7	**6977**	2021-11-19T06:57:19	4.1	**9587**	2021-11-28T09:37:50	8.7
1757	2021-11-01T18:45:41	12.8	**4368**	2021-11-10T12:56:54	5.6	**6978**	2021-11-19T07:02:20	4.2	**9588**	2021-11-28T09:42:48	8.5
1758	2021-11-01T18:50:42	13.2	**4369**	2021-11-10T13:01:51	5.4	**6979**	2021-11-19T07:07:19	4.2	**9589**	2021-11-28T09:47:49	8.0
1759	2021-11-01T18:55:42	13.2	**4370**	2021-11-10T13:06:52	5.6	**6980**	2021-11-19T07:12:20	4.3	**9590**	2021-11-28T09:52:49	7.3
1760	2021-11-01T19:00:42	13.3	**4371**	2021-11-10T13:11:51	6.1	**6981**	2021-11-19T07:17:20	4.4	**9591**	2021-11-28T09:57:49	7.0
1761	2021-11-01T19:05:42	13.4	**4372**	2021-11-10T13:16:52	6.2	**6982**	2021-11-19T07:22:20	4.5	**9592**	2021-11-28T10:02:50	6.9
1762	2021-11-01T19:10:42	13.2	**4373**	2021-11-10T13:21:52	6.3	**6983**	2021-11-19T07:27:20	4.6	**9593**	2021-11-28T10:07:49	6.9
1763	2021-11-01T19:15:42	12.9	**4374**	2021-11-10T13:26:51	6.2	**6984**	2021-11-19T07:32:20	4.7	**9594**	2021-11-28T10:12:48	7.2
1764	2021-11-01T19:20:42	12.4	**4375**	2021-11-10T13:31:52	5.7	**6985**	2021-11-19T07:37:20	4.8	**9595**	2021-11-28T10:17:50	7.8
1765	2021-11-01T19:25:41	12.1	**4376**	2021-11-10T13:36:52	5.8	**6986**	2021-11-19T07:42:20	4.8	**9596**	2021-11-28T10:22:49	7.6
1766	2021-11-01T19:30:41	11.6	**4377**	2021-11-10T13:41:52	5.7	**6987**	2021-11-19T07:47:20	4.9	**9597**	2021-11-28T10:27:50	7.7
1767	2021-11-01T19:35:42	11.1	**4378**	2021-11-10T13:46:52	5.7	**6988**	2021-11-19T07:52:20	4.8	**9598**	2021-11-28T10:32:49	7.4
1768	2021-11-01T19:37:00	nan	**4379**	2021-11-10T13:51:52	5.6	**6989**	2021-11-19T07:57:20	5.1	**9599**	2021-11-28T10:37:49	7.3
1769	2021-11-01T19:40:42	10.3	**4380**	2021-11-10T13:56:52	5.5	**6990**	2021-11-19T08:02:00	nan	**9600**	2021-11-28T10:42:50	7.3
1770	2021-11-01T19:45:42	9.2	**4381**	2021-11-10T14:01:52	5.4	**6991**	2021-11-19T08:02:20	5.1	**9601**	2021-11-28T10:47:49	7.0
1771	2021-11-01T19:50:42	7.7	**4382**	2021-11-10T14:06:52	5.1	**6992**	2021-11-19T08:07:20	5.1	**9602**	2021-11-28T10:52:50	6.1
1772	2021-11-01T19:55:42	6.3	**4383**	2021-11-10T14:11:52	4.9	**6993**	2021-11-19T08:12:19	5.2	**9603**	2021-11-28T10:57:49	5.7
1773	2021-11-01T20:00:00	nan	**4384**	2021-11-10T14:16:52	4.9	**6994**	2021-11-19T08:17:19	5.2	**9604**	2021-11-28T11:02:50	5.8
1774	2021-11-01T20:00:42	5.2	**4385**	2021-11-10T14:21:52	5.2	**6995**	2021-11-19T08:22:19	5.3	**9605**	2021-11-28T11:07:49	6.0
1775	2021-11-01T20:01:00	nan	**4386**	2021-11-10T14:26:51	5.3	**6996**	2021-11-19T08:27:19	5.4	**9606**	2021-11-28T11:12:49	6.3
1776	2021-11-01T20:05:42	6.2	**4387**	2021-11-10T14:31:52	5.4	**6997**	2021-11-19T08:30:00	nan	**9607**	2021-11-28T11:17:50	6.3
1777	2021-11-01T20:10:41	5.7	**4388**	2021-11-10T14:36:52	5.4	**6998**	2021-11-19T08:32:19	5.4	**9608**	2021-11-28T11:20:00	nan
1778	2021-11-01T20:15:41	5.7	**4389**	2021-11-10T14:41:52	5.4	**6999**	2021-11-19T08:37:19	5.4	**9609**	2021-11-28T11:22:00	nan
1779	2021-11-01T20:20:41	5.4	**4390**	2021-11-10T14:46:53	5.4	**7000**	2021-11-19T08:42:19	5.4	**9610**	2021-11-28T11:22:49	6.4
1780	2021-11-01T20:25:42	5.5	**4391**	2021-11-10T14:49:00	nan	**7001**	2021-11-19T08:47:19	5.9	**9611**	2021-11-28T11:23:00	nan
1781	2021-11-01T20:30:41	6.3	**4392**	2021-11-10T14:51:52	5.5	**7002**	2021-11-19T08:52:19	6.5	**9612**	2021-11-28T11:27:49	6.9
1782	2021-11-01T20:35:41	6.6	**4393**	2021-11-10T14:56:52	5.7	**7003**	2021-11-19T08:57:19	7.2	**9613**	2021-11-28T11:32:49	8.2
1783	2021-11-01T20:40:42	6.4	**4394**	2021-11-10T15:01:52	5.9	**7004**	2021-11-19T09:02:20	8.2	**9614**	2021-11-28T11:37:50	8.4
1784	2021-11-01T20:45:41	6.0	**4395**	2021-11-10T15:06:53	6.3	**7005**	2021-11-19T09:07:19	8.4	**9615**	2021-11-28T11:42:50	8.3
1785	2021-11-01T20:50:42	5.8	**4396**	2021-11-10T15:11:52	6.7	**7006**	2021-11-19T09:12:20	8.5	**9616**	2021-11-28T11:47:50	7.9
1786	2021-11-01T20:55:41	5.7	**4397**	2021-11-10T15:16:53	7.3	**7007**	2021-11-19T09:17:20	8.5	**9617**	2021-11-28T11:52:50	7.6
1787	2021-11-01T21:00:42	5.6	**4398**	2021-11-10T15:21:53	7.8	**7008**	2021-11-19T09:22:19	8.4	**9618**	2021-11-28T11:57:49	7.4
1788	2021-11-01T21:05:42	5.7	**4399**	2021-11-10T15:26:53	8.5	**7009**	2021-11-19T09:27:20	8.4	**9619**	2021-11-28T12:02:50	6.4
1789	2021-11-01T21:10:42	5.7	**4400**	2021-11-10T15:31:52	8.9	**7010**	2021-11-19T09:32:19	8.5	**9620**	2021-11-28T12:07:49	5.4
1790	2021-11-01T21:15:42	6.0	**4401**	2021-11-10T15:36:52	9.0	**7011**	2021-11-19T09:37:20	8.9	**9621**	2021-11-28T12:12:50	5.4
1791	2021-11-01T21:20:42	6.3	**4402**	2021-11-10T15:41:52	9.2	**7012**	2021-11-19T09:42:20	9.2	**9622**	2021-11-28T12:17:50	5.1
1792	2021-11-01T21:25:41	6.7	**4403**	2021-11-10T15:46:52	9.2	**7013**	2021-11-19T09:47:20	9.7	**9623**	2021-11-28T12:22:49	4.7
1793	2021-11-01T21:30:42	6.8	**4404**	2021-11-10T15:51:53	9.3	**7014**	2021-11-19T09:52:20	9.5	**9624**	2021-11-28T12:27:49	4.4
1794	2021-11-01T21:35:42	7.8	**4405**	2021-11-10T15:56:52	9.4	**7015**	2021-11-19T09:57:20	9.5	**9625**	2021-11-28T12:32:49	4.2
1795	2021-11-01T21:37:00	nan	**4406**	2021-11-10T16:01:52	9.7	**7016**	2021-11-19T10:02:20	9.5	**9626**	2021-11-28T12:37:49	3.6
1796	2021-11-01T21:40:00	nan	**4407**	2021-11-10T16:06:52	9.6	**7017**	2021-11-19T10:07:21	9.5	**9627**	2021-11-28T12:40:00	nan
1797	2021-11-01T21:40:42	8.0	**4408**	2021-11-10T16:11:52	9.7	**7018**	2021-11-19T10:12:20	9.5	**9628**	2021-11-28T12:42:50	3.1
1798	2021-11-01T21:45:41	8.0	**4409**	2021-11-10T16:16:00	nan	**7019**	2021-11-19T10:17:21	9.5	**9629**	2021-11-28T12:46:00	nan
1799	2021-11-01T21:50:42	8.2	**4410**	2021-11-10T16:16:52	9.8	**7020**	2021-11-19T10:22:20	9.5	**9630**	2021-11-28T12:47:49	2.7

1800	2021-11-01T21:55:42	8.4	**4411**	2021-11-10T16:21:52	9.6	**7021**	2021-11-19T10:27:20	9.4	**9631**	2021-11-28T12:52:49	2.9
1801	2021-11-01T22:00:42	8.8	**4412**	2021-11-10T16:26:53	9.2	**7022**	2021-11-19T10:32:21	9.4	**9632**	2021-11-28T12:57:49	3.6
1802	2021-11-01T22:05:42	9.4	**4413**	2021-11-10T16:31:53	10.3	**7023**	2021-11-19T10:37:20	9.3	**9633**	2021-11-28T13:02:49	4.3
1803	2021-11-01T22:10:42	9.8	**4414**	2021-11-10T16:36:53	10.2	**7024**	2021-11-19T10:42:21	9.2	**9634**	2021-11-28T13:07:50	4.6
1804	2021-11-01T22:15:42	10.4	**4415**	2021-11-10T16:41:53	10.9	**7025**	2021-11-19T10:47:20	9.4	**9635**	2021-11-28T13:12:49	4.3
1805	2021-11-01T22:20:41	11.5	**4416**	2021-11-10T16:46:52	10.8	**7026**	2021-11-19T10:52:20	9.3	**9636**	2021-11-28T13:17:50	4.4
1806	2021-11-01T22:25:41	12.4	**4417**	2021-11-10T16:51:53	11.0	**7027**	2021-11-19T10:53:00	nan	**9637**	2021-11-28T13:22:49	4.8
1807	2021-11-01T22:30:00	nan	**4418**	2021-11-10T16:56:53	11.0	**7028**	2021-11-19T10:57:21	9.4	**9638**	2021-11-28T13:27:49	5.0
1808	2021-11-01T22:30:41	13.2	**4419**	2021-11-10T17:01:53	11.2	**7029**	2021-11-19T11:02:20	9.4	**9639**	2021-11-28T13:32:49	5.2
1809	2021-11-01T22:35:42	13.9	**4420**	2021-11-10T17:06:53	11.4	**7030**	2021-11-19T11:04:00	nan	**9640**	2021-11-28T13:37:49	5.6
1810	2021-11-01T22:40:00	nan	**4421**	2021-11-10T17:11:53	11.7	**7031**	2021-11-19T11:07:19	9.4	**9641**	2021-11-28T13:42:49	5.7
1811	2021-11-01T22:40:42	14.6	**4422**	2021-11-10T17:16:53	12.3	**7032**	2021-11-19T11:12:20	9.4	**9642**	2021-11-28T13:47:49	5.9
1812	2021-11-01T22:45:42	14.9	**4423**	2021-11-10T17:21:53	12.6	**7033**	2021-11-19T11:17:19	9.6	**9643**	2021-11-28T13:52:49	5.8
1813	2021-11-01T22:50:42	15.2	**4424**	2021-11-10T17:26:52	12.8	**7034**	2021-11-19T11:22:20	9.9	**9644**	2021-11-28T13:57:49	6.3
1814	2021-11-01T22:55:42	15.2	**4425**	2021-11-10T17:31:53	13.0	**7035**	2021-11-19T11:27:20	10.4	**9645**	2021-11-28T14:02:49	6.5
1815	2021-11-01T23:00:42	15.1	**4426**	2021-11-10T17:33:00	nan	**7036**	2021-11-19T11:32:20	11.0	**9646**	2021-11-28T14:07:50	6.7
1816	2021-11-01T23:05:41	14.8	**4427**	2021-11-10T17:36:53	13.0	**7037**	2021-11-19T11:37:21	11.5	**9647**	2021-11-28T14:12:50	6.8
1817	2021-11-01T23:10:41	14.3	**4428**	2021-11-10T17:41:52	13.3	**7038**	2021-11-19T11:42:21	12.1	**9648**	2021-11-28T14:17:50	7.0
1818	2021-11-01T23:15:42	13.7	**4429**	2021-11-10T17:46:52	13.5	**7039**	2021-11-19T11:47:20	12.4	**9649**	2021-11-28T14:22:50	7.3
1819	2021-11-01T23:20:41	13.2	**4430**	2021-11-10T17:51:52	13.6	**7040**	2021-11-19T11:52:20	12.5	**9650**	2021-11-28T14:27:50	7.9
1820	2021-11-01T23:25:42	13.1	**4431**	2021-11-10T17:56:52	13.5	**7041**	2021-11-19T11:57:21	12.2	**9651**	2021-11-28T14:32:49	8.7
1821	2021-11-01T23:30:42	13.2	**4432**	2021-11-10T18:01:52	13.2	**7042**	2021-11-19T12:02:21	12.0	**9652**	2021-11-28T14:37:49	9.4
1822	2021-11-01T23:35:42	11.5	**4433**	2021-11-10T18:06:52	12.7	**7043**	2021-11-19T12:07:20	11.8	**9653**	2021-11-28T14:42:50	9.8
1823	2021-11-01T23:40:42	10.7	**4434**	2021-11-10T18:11:53	12.3	**7044**	2021-11-19T12:12:20	11.7	**9654**	2021-11-28T14:47:50	9.5
1824	2021-11-01T23:45:42	10.0	**4435**	2021-11-10T18:16:52	11.8	**7045**	2021-11-19T12:17:21	11.6	**9655**	2021-11-28T14:52:50	10.1
1825	2021-11-01T23:50:41	9.2	**4436**	2021-11-10T18:21:52	11.0	**7046**	2021-11-19T12:22:20	11.8	**9656**	2021-11-28T14:57:49	10.5
1826	2021-11-01T23:55:42	9.2	**4437**	2021-11-10T18:26:52	9.5	**7047**	2021-11-19T12:27:20	12.0	**9657**	2021-11-28T15:02:49	11.0
1827	2021-11-02T00:00:41	9.2	**4438**	2021-11-10T18:31:53	8.9	**7048**	2021-11-19T12:32:21	11.9	**9658**	2021-11-28T15:07:49	11.7
1828	2021-11-02T00:05:42	8.9	**4439**	2021-11-10T18:36:53	8.5	**7049**	2021-11-19T12:37:20	11.8	**9659**	2021-11-28T15:12:50	12.2
1829	2021-11-02T00:10:42	9.4	**4440**	2021-11-10T18:41:52	8.0	**7050**	2021-11-19T12:42:20	11.6	**9660**	2021-11-28T15:17:51	12.8
1830	2021-11-02T00:15:41	9.7	**4441**	2021-11-10T18:46:52	6.9	**7051**	2021-11-19T12:47:21	11.6	**9661**	2021-11-28T15:22:50	13.5
1831	2021-11-02T00:20:42	9.3	**4442**	2021-11-10T18:51:53	6.4	**7052**	2021-11-19T12:52:20	11.5	**9662**	2021-11-28T15:27:50	13.8
1832	2021-11-02T00:25:42	9.1	**4443**	2021-11-10T18:56:52	6.7	**7053**	2021-11-19T12:57:20	11.5	**9663**	2021-11-28T15:32:50	13.3
1833	2021-11-02T00:30:42	9.1	**4444**	2021-11-10T19:01:52	7.1	**7054**	2021-11-19T13:02:21	11.5	**9664**	2021-11-28T15:37:49	14.3
1834	2021-11-02T00:35:42	9.3	**4445**	2021-11-10T19:06:52	7.4	**7055**	2021-11-19T13:07:20	11.5	**9665**	2021-11-28T15:42:50	14.5
1835	2021-11-02T00:40:42	9.4	**4446**	2021-11-10T19:11:53	7.2	**7056**	2021-11-19T13:12:20	11.5	**9666**	2021-11-28T15:47:50	14.7
1836	2021-11-02T00:45:42	9.5	**4447**	2021-11-10T19:16:52	6.3	**7057**	2021-11-19T13:17:20	11.7	**9667**	2021-11-28T15:52:50	14.7
1837	2021-11-02T00:50:42	9.8	**4448**	2021-11-10T19:21:53	6.5	**7058**	2021-11-19T13:22:20	11.7	**9668**	2021-11-28T15:57:50	14.8
1838	2021-11-02T00:55:42	10.0	**4449**	2021-11-10T19:26:53	6.3	**7059**	2021-11-19T13:27:20	11.8	**9669**	2021-11-28T16:02:50	15.0
1839	2021-11-02T01:00:42	10.0	**4450**	2021-11-10T19:31:53	6.7	**7060**	2021-11-19T13:32:20	11.8	**9670**	2021-11-28T16:07:50	14.7
1840	2021-11-02T01:05:43	10.0	**4451**	2021-11-10T19:36:53	6.8	**7061**	2021-11-19T13:37:20	11.8	**9671**	2021-11-28T16:12:50	14.9
1841	2021-11-02T01:10:42	10.3	**4452**	2021-11-10T19:41:53	7.1	**7062**	2021-11-19T13:42:20	11.7	**9672**	2021-11-28T16:17:50	14.9
1842	2021-11-02T01:15:42	10.5	**4453**	2021-11-10T19:46:53	7.3	**7063**	2021-11-19T13:47:20	11.5	**9673**	2021-11-28T16:22:50	14.9
1843	2021-11-02T01:20:42	10.7	**4454**	2021-11-10T19:50:00	nan	**7064**	2021-11-19T13:52:20	11.4	**9674**	2021-11-28T16:27:50	14.9
1844	2021-11-02T01:25:42	10.9	**4455**	2021-11-10T19:51:00	nan	**7065**	2021-11-19T13:57:20	11.6	**9675**	2021-11-28T16:32:50	14.7
1845	2021-11-02T01:30:42	11.1	**4456**	2021-11-10T19:51:53	7.4	**7066**	2021-11-19T14:02:21	11.4	**9676**	2021-11-28T16:37:50	14.8
1846	2021-11-02T01:35:42	11.0	**4457**	2021-11-10T19:56:53	7.5	**7067**	2021-11-19T14:05:00	nan	**9677**	2021-11-28T16:42:50	14.9
1847	2021-11-02T01:40:42	11.1	**4458**	2021-11-10T20:01:53	7.7	**7068**	2021-11-19T14:07:20	11.1	**9678**	2021-11-28T16:47:49	15.3
1848	2021-11-02T01:45:42	11.1	**4459**	2021-11-10T20:06:53	7.8	**7069**	2021-11-19T14:12:20	11.4	**9679**	2021-11-28T16:52:50	15.2
1849	2021-11-02T01:50:42	11.0	**4460**	2021-11-10T20:11:53	8.0	**7070**	2021-11-19T14:17:20	11.5	**9680**	2021-11-28T16:57:50	15.4
1850	2021-11-02T01:55:42	10.9	**4461**	2021-11-10T20:16:53	8.3	**7071**	2021-11-19T14:22:20	11.8	**9681**	2021-11-28T17:02:49	14.9
1851	2021-11-02T02:00:42	11.3	**4462**	2021-11-10T20:21:53	8.0	**7072**	2021-11-19T14:27:20	11.5	**9682**	2021-11-28T17:07:49	14.1
1852	2021-11-02T02:05:42	11.3	**4463**	2021-11-10T20:26:52	8.2	**7073**	2021-11-19T14:32:20	10.8	**9683**	2021-11-28T17:12:50	14.3
1853	2021-11-02T02:10:42	11.4	**4464**	2021-11-10T20:31:53	8.1	**7074**	2021-11-19T14:37:20	9.8	**9684**	2021-11-28T17:17:50	14.3
1854	2021-11-02T02:15:43	11.5	**4465**	2021-11-10T20:36:53	8.1	**7075**	2021-11-19T14:42:20	9.0	**9685**	2021-11-28T17:22:50	14.1

1855	2021-11-02T02:20:43	11.7	**4466**	2021-11-10T20:41:52	8.2	**7076**	2021-11-19T14:47:20	8.3	**9686**	2021-11-28T17:27:49	13.4
1856	2021-11-02T02:25:43	11.9	**4467**	2021-11-10T20:46:53	7.9	**7077**	2021-11-19T14:52:20	8.0	**9687**	2021-11-28T17:32:49	13.3
1857	2021-11-02T02:30:43	12.0	**4468**	2021-11-10T20:51:52	7.8	**7078**	2021-11-19T14:57:20	7.8	**9688**	2021-11-28T17:37:50	13.2
1858	2021-11-02T02:35:43	12.4	**4469**	2021-11-10T20:56:52	7.8	**7079**	2021-11-19T15:02:21	7.5	**9689**	2021-11-28T17:42:49	12.7
1859	2021-11-02T02:40:42	12.7	**4470**	2021-11-10T21:01:52	8.2	**7080**	2021-11-19T15:07:20	7.5	**9690**	2021-11-28T17:47:50	12.2
1860	2021-11-02T02:45:42	12.9	**4471**	2021-11-10T21:06:53	8.0	**7081**	2021-11-19T15:12:21	7.3	**9691**	2021-11-28T17:52:49	11.9
1861	2021-11-02T02:50:43	12.8	**4472**	2021-11-10T21:11:53	8.0	**7082**	2021-11-19T15:17:20	7.1	**9692**	2021-11-28T17:57:50	11.8
1862	2021-11-02T02:55:43	12.8	**4473**	2021-11-10T21:16:53	8.1	**7083**	2021-11-19T15:22:20	7.5	**9693**	2021-11-28T18:02:50	11.5
1863	2021-11-02T03:00:43	12.4	**4474**	2021-11-10T21:21:52	8.0	**7084**	2021-11-19T15:27:20	7.8	**9694**	2021-11-28T18:07:50	11.4
1864	2021-11-02T03:05:43	12.4	**4475**	2021-11-10T21:26:52	7.7	**7085**	2021-11-19T15:32:21	7.9	**9695**	2021-11-28T18:12:49	11.4
1865	2021-11-02T03:10:43	12.7	**4476**	2021-11-10T21:31:52	7.8	**7086**	2021-11-19T15:37:20	8.2	**9696**	2021-11-28T18:17:51	11.5
1866	2021-11-02T03:15:43	12.9	**4477**	2021-11-10T21:36:00	nan	**7087**	2021-11-19T15:42:21	8.4	**9697**	2021-11-28T18:22:50	11.6
1867	2021-11-02T03:20:43	13.0	**4478**	2021-11-10T21:36:53	9.3	**7088**	2021-11-19T15:47:21	8.7	**9698**	2021-11-28T18:27:50	11.7
1868	2021-11-02T03:25:43	13.2	**4479**	2021-11-10T21:41:52	9.8	**7089**	2021-11-19T15:52:21	8.9	**9699**	2021-11-28T18:32:50	11.4
1869	2021-11-02T03:30:43	13.2	**4480**	2021-11-10T21:46:53	10.2	**7090**	2021-11-19T15:57:21	9.2	**9700**	2021-11-28T18:37:50	11.2
1870	2021-11-02T03:35:43	13.2	**4481**	2021-11-10T21:51:53	10.4	**7091**	2021-11-19T16:02:21	9.4	**9701**	2021-11-28T18:42:50	11.2
1871	2021-11-02T03:40:43	12.8	**4482**	2021-11-10T21:56:53	10.4	**7092**	2021-11-19T16:07:20	9.3	**9702**	2021-11-28T18:47:50	10.9
1872	2021-11-02T03:45:42	13.0	**4483**	2021-11-10T22:01:53	10.5	**7093**	2021-11-19T16:12:21	9.4	**9703**	2021-11-28T18:52:50	10.8
1873	2021-11-02T03:50:43	13.3	**4484**	2021-11-10T22:06:54	10.7	**7094**	2021-11-19T16:17:21	9.3	**9704**	2021-11-28T18:57:50	10.7
1874	2021-11-02T03:55:43	13.4	**4485**	2021-11-10T22:11:52	10.9	**7095**	2021-11-19T16:22:21	9.3	**9705**	2021-11-28T19:02:50	10.7
1875	2021-11-02T04:00:43	13.5	**4486**	2021-11-10T22:16:53	11.1	**7096**	2021-11-19T16:24:00	nan	**9706**	2021-11-28T19:07:51	11.1
1876	2021-11-02T04:05:43	13.5	**4487**	2021-11-10T22:21:53	11.2	**7097**	2021-11-19T16:27:21	9.5	**9707**	2021-11-28T19:10:00	nan
1877	2021-11-02T04:10:43	13.5	**4488**	2021-11-10T22:26:53	11.4	**7098**	2021-11-19T16:32:21	9.4	**9708**	2021-11-28T19:10:00	nan
1878	2021-11-02T04:15:43	13.4	**4489**	2021-11-10T22:31:53	12.3	**7099**	2021-11-19T16:37:21	9.5	**9709**	2021-11-28T19:12:49	10.9
1879	2021-11-02T04:20:43	12.5	**4490**	2021-11-10T22:36:54	13.3	**7100**	2021-11-19T16:42:21	9.5	**9710**	2021-11-28T19:17:51	10.5
1880	2021-11-02T04:25:43	12.7	**4491**	2021-11-10T22:38:00	nan	**7101**	2021-11-19T16:47:21	9.3	**9711**	2021-11-28T19:22:50	9.8
1881	2021-11-02T04:30:43	12.9	**4492**	2021-11-10T22:41:53	13.3	**7102**	2021-11-19T16:52:21	9.0	**9712**	2021-11-28T19:27:50	9.1
1882	2021-11-02T04:35:44	12.9	**4493**	2021-11-10T22:46:53	13.3	**7103**	2021-11-19T16:57:21	8.7	**9713**	2021-11-28T19:28:00	nan
1883	2021-11-02T04:40:43	12.7	**4494**	2021-11-10T22:51:53	13.3	**7104**	2021-11-19T17:02:21	8.3	**9714**	2021-11-28T19:32:50	8.2
1884	2021-11-02T04:45:43	12.5	**4495**	2021-11-10T22:56:54	13.3	**7105**	2021-11-19T17:07:21	8.1	**9715**	2021-11-28T19:37:50	7.4
1885	2021-11-02T04:50:43	12.4	**4496**	2021-11-10T23:01:53	13.4	**7106**	2021-11-19T17:12:20	7.7	**9716**	2021-11-28T19:42:50	7.3
1886	2021-11-02T04:55:43	12.2	**4497**	2021-11-10T23:06:54	13.2	**7107**	2021-11-19T17:17:20	7.4	**9717**	2021-11-28T19:47:50	6.8
1887	2021-11-02T05:00:43	11.8	**4498**	2021-11-10T23:11:55	13.4	**7108**	2021-11-19T17:22:21	7.0	**9718**	2021-11-28T19:52:51	6.2
1888	2021-11-02T05:05:43	11.8	**4499**	2021-11-10T23:16:54	13.2	**7109**	2021-11-19T17:27:21	6.9	**9719**	2021-11-28T19:57:50	5.6
1889	2021-11-02T05:10:43	11.7	**4500**	2021-11-10T23:21:53	13.0	**7110**	2021-11-19T17:32:21	6.7	**9720**	2021-11-28T20:02:50	4.7
1890	2021-11-02T05:15:43	11.5	**4501**	2021-11-10T23:26:53	12.9	**7111**	2021-11-19T17:37:21	6.7	**9721**	2021-11-28T20:07:51	5.2
1891	2021-11-02T05:20:42	11.0	**4502**	2021-11-10T23:31:54	12.6	**7112**	2021-11-19T17:42:21	6.5	**9722**	2021-11-28T20:12:50	5.1
1892	2021-11-02T05:25:42	10.9	**4503**	2021-11-10T23:36:53	12.1	**7113**	2021-11-19T17:47:21	6.4	**9723**	2021-11-28T20:17:51	4.8
1893	2021-11-02T05:30:42	10.9	**4504**	2021-11-10T23:41:54	11.8	**7114**	2021-11-19T17:52:20	6.3	**9724**	2021-11-28T20:22:50	4.3
1894	2021-11-02T05:35:43	10.9	**4505**	2021-11-10T23:46:53	11.4	**7115**	2021-11-19T17:57:20	6.2	**9725**	2021-11-28T20:27:00	nan
1895	2021-11-02T05:40:42	10.9	**4506**	2021-11-10T23:51:53	11.2	**7116**	2021-11-19T18:02:21	6.3	**9726**	2021-11-28T20:27:50	3.9
1896	2021-11-02T05:45:42	10.9	**4507**	2021-11-10T23:56:53	10.7	**7117**	2021-11-19T18:07:20	6.1	**9727**	2021-11-28T20:32:50	3.8
1897	2021-11-02T05:50:43	10.8	**4508**	2021-11-11T00:01:53	10.6	**7118**	2021-11-19T18:12:20	6.0	**9728**	2021-11-28T20:37:52	3.9
1898	2021-11-02T05:55:43	10.8	**4509**	2021-11-11T00:06:53	10.2	**7119**	2021-11-19T18:17:21	5.9	**9729**	2021-11-28T20:42:50	4.3
1899	2021-11-02T06:00:43	10.7	**4510**	2021-11-11T00:11:53	10.1	**7120**	2021-11-19T18:22:21	5.7	**9730**	2021-11-28T20:47:50	4.8
1900	2021-11-02T06:05:43	10.7	**4511**	2021-11-11T00:16:53	9.6	**7121**	2021-11-19T18:27:21	5.5	**9731**	2021-11-28T20:52:50	5.2
1901	2021-11-02T06:10:43	10.6	**4512**	2021-11-11T00:21:53	9.8	**7122**	2021-11-19T18:32:21	5.4	**9732**	2021-11-28T20:57:50	5.5
1902	2021-11-02T06:15:43	9.8	**4513**	2021-11-11T00:26:53	9.1	**7123**	2021-11-19T18:34:00	nan	**9733**	2021-11-28T21:02:50	5.8
1903	2021-11-02T06:20:43	9.7	**4514**	2021-11-11T00:31:53	8.7	**7124**	2021-11-19T18:34:00	nan	**9734**	2021-11-28T21:07:50	6.2
1904	2021-11-02T06:25:43	9.8	**4515**	2021-11-11T00:36:53	8.3	**7125**	2021-11-19T18:37:20	5.4	**9735**	2021-11-28T21:12:50	6.3
1905	2021-11-02T06:30:43	10.2	**4516**	2021-11-11T00:41:53	8.3	**7126**	2021-11-19T18:42:21	5.4	**9736**	2021-11-28T21:17:51	6.3
1906	2021-11-02T06:35:43	10.2	**4517**	2021-11-11T00:46:54	8.0	**7127**	2021-11-19T18:47:20	5.4	**9737**	2021-11-28T21:22:51	6.0
1907	2021-11-02T06:40:43	10.0	**4518**	2021-11-11T00:51:53	7.7	**7128**	2021-11-19T18:52:21	5.2	**9738**	2021-11-28T21:23:00	nan
1908	2021-11-02T06:45:43	10.0	**4519**	2021-11-11T00:56:53	7.5	**7129**	2021-11-19T18:57:21	5.2	**9739**	2021-11-28T21:27:50	5.7
1909	2021-11-02T06:50:43	10.1	**4520**	2021-11-11T01:01:54	7.4	**7130**	2021-11-19T19:02:22	5.3	**9740**	2021-11-28T21:32:50	5.7

1910	2021-11-02T06:55:43	10.4	4521	2021-11-11T01:06:54	7.5	7131	2021-11-19T19:07:21	5.6	9741	2021-11-28T21:37:50	5.7
1911	2021-11-02T07:00:42	10.5	4522	2021-11-11T01:11:53	7.4	7132	2021-11-19T19:12:22	5.5	9742	2021-11-28T21:42:50	5.9
1912	2021-11-02T07:05:43	10.5	4523	2021-11-11T01:16:53	7.2	7133	2021-11-19T19:17:21	5.3	9743	2021-11-28T21:47:50	6.1
1913	2021-11-02T07:10:43	10.5	4524	2021-11-11T01:21:53	7.0	7134	2021-11-19T19:22:22	5.2	9744	2021-11-28T21:52:51	6.3
1914	2021-11-02T07:15:43	10.5	4525	2021-11-11T01:26:53	6.7	7135	2021-11-19T19:27:21	5.2	9745	2021-11-28T21:57:50	6.5
1915	2021-11-02T07:20:43	10.4	4526	2021-11-11T01:31:54	6.3	7136	2021-11-19T19:32:21	5.1	9746	2021-11-28T22:02:50	7.0
1916	2021-11-02T07:25:43	10.3	4527	2021-11-11T01:36:54	6.0	7137	2021-11-19T19:37:21	5.1	9747	2021-11-28T22:07:50	7.4
1917	2021-11-02T07:30:43	10.3	4528	2021-11-11T01:41:53	5.9	7138	2021-11-19T19:42:21	5.2	9748	2021-11-28T22:12:50	8.0
1918	2021-11-02T07:35:43	10.2	4529	2021-11-11T01:46:54	5.7	7139	2021-11-19T19:47:21	5.5	9749	2021-11-28T22:17:51	8.7
1919	2021-11-02T07:37:00	nan	4530	2021-11-11T01:51:54	5.6	7140	2021-11-19T19:52:21	5.5	9750	2021-11-28T22:22:51	9.2
1920	2021-11-02T07:40:43	10.2	4531	2021-11-11T01:56:54	5.4	7141	2021-11-19T19:57:21	5.6	9751	2021-11-28T22:27:50	9.5
1921	2021-11-02T07:45:43	9.9	4532	2021-11-11T02:01:54	5.4	7142	2021-11-19T20:02:22	5.3	9752	2021-11-28T22:32:50	9.9
1922	2021-11-02T07:47:00	nan	4533	2021-11-11T02:06:53	5.4	7143	2021-11-19T20:07:22	5.1	9753	2021-11-28T22:37:51	10.0
1923	2021-11-02T07:50:43	9.5	4534	2021-11-11T02:11:54	5.3	7144	2021-11-19T20:11:00	nan	9754	2021-11-28T22:42:51	10.5
1924	2021-11-02T07:54:00	nan	4535	2021-11-11T02:16:00	nan	7145	2021-11-19T20:12:22	5.0	9755	2021-11-28T22:47:00	nan
1925	2021-11-02T07:55:44	9.2	4536	2021-11-11T02:16:54	5.2	7146	2021-11-19T20:17:21	4.7	9756	2021-11-28T22:47:51	10.9
1926	2021-11-02T08:00:43	9.0	4537	2021-11-11T02:21:54	4.9	7147	2021-11-19T20:22:21	4.7	9757	2021-11-28T22:52:50	11.3
1927	2021-11-02T08:05:43	8.5	4538	2021-11-11T02:26:54	5.1	7148	2021-11-19T20:27:22	4.8	9758	2021-11-28T22:57:50	10.7
1928	2021-11-02T08:10:43	8.0	4539	2021-11-11T02:31:54	5.6	7149	2021-11-19T20:32:21	4.8	9759	2021-11-28T23:02:50	11.5
1929	2021-11-02T08:15:43	7.5	4540	2021-11-11T02:36:54	6.1	7150	2021-11-19T20:37:22	4.9	9760	2021-11-28T23:07:51	12.5
1930	2021-11-02T08:20:43	7.0	4541	2021-11-11T02:41:54	6.9	7151	2021-11-19T20:42:22	5.0	9761	2021-11-28T23:12:52	12.5
1931	2021-11-02T08:25:43	6.6	4542	2021-11-11T02:46:54	7.2	7152	2021-11-19T20:47:21	5.1	9762	2021-11-28T23:17:50	12.7
1932	2021-11-02T08:30:43	6.2	4543	2021-11-11T02:51:54	7.4	7153	2021-11-19T20:52:22	5.1	9763	2021-11-28T23:22:51	12.5
1933	2021-11-02T08:35:43	6.0	4544	2021-11-11T02:56:54	7.8	7154	2021-11-19T20:57:21	5.1	9764	2021-11-28T23:27:51	12.3
1934	2021-11-02T08:40:43	6.2	4545	2021-11-11T03:01:54	7.9	7155	2021-11-19T21:02:22	4.9	9765	2021-11-28T23:32:50	12.2
1935	2021-11-02T08:45:43	6.2	4546	2021-11-11T03:06:54	7.8	7156	2021-11-19T21:07:21	4.6	9766	2021-11-28T23:37:50	11.9
1936	2021-11-02T08:50:43	6.1	4547	2021-11-11T03:11:53	7.5	7157	2021-11-19T21:12:21	4.6	9767	2021-11-28T23:42:51	12.1
1937	2021-11-02T08:55:43	6.2	4548	2021-11-11T03:16:54	7.5	7158	2021-11-19T21:17:21	4.4	9768	2021-11-28T23:47:52	11.5
1938	2021-11-02T09:00:43	6.0	4549	2021-11-11T03:21:53	7.7	7159	2021-11-19T21:22:22	3.8	9769	2021-11-28T23:52:51	10.5
1939	2021-11-02T09:05:43	6.0	4550	2021-11-11T03:26:53	7.4	7160	2021-11-19T21:27:21	3.4	9770	2021-11-28T23:57:51	9.7
1940	2021-11-02T09:10:43	5.9	4551	2021-11-11T03:31:54	7.3	7161	2021-11-19T21:32:21	3.2	9771	2021-11-29T00:02:52	10.9
1941	2021-11-02T09:15:43	5.8	4552	2021-11-11T03:36:54	7.2	7162	2021-11-19T21:37:21	3.3	9772	2021-11-29T00:07:51	10.8
1942	2021-11-02T09:20:43	5.8	4553	2021-11-11T03:41:55	7.3	7163	2021-11-19T21:42:21	3.6	9773	2021-11-29T00:12:51	11.4
1943	2021-11-02T09:25:43	5.8	4554	2021-11-11T03:46:53	7.2	7164	2021-11-19T21:46:00	nan	9774	2021-11-29T00:17:50	11.9
1944	2021-11-02T09:30:43	5.8	4555	2021-11-11T03:51:54	6.9	7165	2021-11-19T21:46:38	nan	9775	2021-11-29T00:22:50	11.3
1945	2021-11-02T09:35:42	5.7	4556	2021-11-11T03:56:54	6.7	7166	2021-11-19T21:47:21	3.8	9776	2021-11-29T00:26:00	nan
1946	2021-11-02T09:40:43	5.5	4557	2021-11-11T04:01:55	6.5	7167	2021-11-19T21:52:21	3.9	9777	2021-11-29T00:27:50	11.2
1947	2021-11-02T09:45:43	5.4	4558	2021-11-11T04:06:54	6.4	7168	2021-11-19T21:57:21	4.2	9778	2021-11-29T00:32:51	10.9
1948	2021-11-02T09:50:00	nan	4559	2021-11-11T04:11:54	6.3	7169	2021-11-19T22:02:22	4.2	9779	2021-11-29T00:37:50	10.4
1949	2021-11-02T09:50:43	5.5	4560	2021-11-11T04:16:54	6.3	7170	2021-11-19T22:07:22	4.1	9780	2021-11-29T00:42:50	10.6
1950	2021-11-02T09:55:43	5.5	4561	2021-11-11T04:21:53	6.2	7171	2021-11-19T22:12:22	4.7	9781	2021-11-29T00:47:51	11.0
1951	2021-11-02T10:00:43	5.5	4562	2021-11-11T04:26:53	6.2	7172	2021-11-19T22:17:22	4.9	9782	2021-11-29T00:52:51	10.9
1952	2021-11-02T10:05:43	5.8	4563	2021-11-11T04:31:55	6.0	7173	2021-11-19T22:22:22	5.2	9783	2021-11-29T00:57:51	11.0
1953	2021-11-02T10:10:44	6.2	4564	2021-11-11T04:36:54	5.9	7174	2021-11-19T22:27:22	6.1	9784	2021-11-29T01:02:52	11.0
1954	2021-11-02T10:15:44	7.2	4565	2021-11-11T04:41:54	5.9	7175	2021-11-19T22:32:22	6.1	9785	2021-11-29T01:07:51	10.7
1955	2021-11-02T10:20:44	8.2	4566	2021-11-11T04:46:53	5.8	7176	2021-11-19T22:37:22	7.0	9786	2021-11-29T01:12:52	10.4
1956	2021-11-02T10:25:43	9.1	4567	2021-11-11T04:51:54	5.8	7177	2021-11-19T22:42:22	7.3	9787	2021-11-29T01:17:52	10.2
1957	2021-11-02T10:30:43	9.4	4568	2021-11-11T04:56:54	5.7	7178	2021-11-19T22:47:22	7.4	9788	2021-11-29T01:22:51	9.6
1958	2021-11-02T10:35:44	9.3	4569	2021-11-11T05:01:54	5.7	7179	2021-11-19T22:52:22	7.5	9789	2021-11-29T01:27:51	9.2
1959	2021-11-02T10:40:43	8.9	4570	2021-11-11T05:06:53	5.6	7180	2021-11-19T22:57:22	7.7	9790	2021-11-29T01:32:51	9.0
1960	2021-11-02T10:45:43	8.4	4571	2021-11-11T05:11:55	5.4	7181	2021-11-19T23:02:22	7.9	9791	2021-11-29T01:37:51	8.9
1961	2021-11-02T10:50:44	8.4	4572	2021-11-11T05:16:54	5.4	7182	2021-11-19T23:07:22	8.0	9792	2021-11-29T01:42:51	9.0
1962	2021-11-02T10:55:43	8.3	4573	2021-11-11T05:21:54	5.5	7183	2021-11-19T23:12:22	8.3	9793	2021-11-29T01:47:51	10.1
1963	2021-11-02T11:00:44	8.1	4574	2021-11-11T05:26:54	5.4	7184	2021-11-19T23:17:23	8.5	9794	2021-11-29T01:52:52	10.6
1964	2021-11-02T11:05:43	7.9	4575	2021-11-11T05:31:55	5.4	7185	2021-11-19T23:22:22	8.5	9795	2021-11-29T01:57:51	10.7

1965	2021-11-02T11:10:43	7.8	4576	2021-11-11T05:36:55	5.6	7186	2021-11-19T23:27:22	8.8	9796	2021-11-29T02:02:51	10.4
1966	2021-11-02T11:15:44	7.7	4577	2021-11-11T05:41:54	5.8	7187	2021-11-19T23:32:23	8.9	9797	2021-11-29T02:07:52	9.0
1967	2021-11-02T11:20:43	7.7	4578	2021-11-11T05:46:55	5.8	7188	2021-11-19T23:37:22	9.1	9798	2021-11-29T02:12:51	8.4
1968	2021-11-02T11:25:43	7.6	4579	2021-11-11T05:51:54	5.8	7189	2021-11-19T23:42:00	nan	9799	2021-11-29T02:17:52	8.2
1969	2021-11-02T11:30:43	7.4	4580	2021-11-11T05:56:55	5.8	7190	2021-11-19T23:42:22	9.3	9800	2021-11-29T02:22:51	8.2
1970	2021-11-02T11:35:43	7.3	4581	2021-11-11T06:01:55	5.7	7191	2021-11-19T23:47:23	9.2	9801	2021-11-29T02:27:51	8.3
1971	2021-11-02T11:40:44	7.3	4582	2021-11-11T06:06:54	5.8	7192	2021-11-19T23:52:23	8.9	9802	2021-11-29T02:32:51	8.2
1972	2021-11-02T11:45:43	7.2	4583	2021-11-11T06:11:54	6.2	7193	2021-11-19T23:57:22	8.9	9803	2021-11-29T02:37:50	8.2
1973	2021-11-02T11:50:43	7.2	4584	2021-11-11T06:16:54	6.2	7194	2021-11-20T00:02:22	9.0	9804	2021-11-29T02:42:50	8.0
1974	2021-11-02T11:51:00	nan	4585	2021-11-11T06:21:53	5.9	7195	2021-11-20T00:07:22	8.9	9805	2021-11-29T02:47:51	8.0
1975	2021-11-02T11:55:44	7.1	4586	2021-11-11T06:26:54	5.9	7196	2021-11-20T00:12:23	8.8	9806	2021-11-29T02:52:51	8.9
1976	2021-11-02T12:00:43	7.0	4587	2021-11-11T06:31:54	6.0	7197	2021-11-20T00:17:22	8.7	9807	2021-11-29T02:57:52	9.4
1977	2021-11-02T12:05:44	7.2	4588	2021-11-11T06:36:54	6.2	7198	2021-11-20T00:22:22	8.7	9808	2021-11-29T03:02:51	9.5
1978	2021-11-02T12:10:43	7.8	4589	2021-11-11T06:41:54	6.3	7199	2021-11-20T00:27:22	8.6	9809	2021-11-29T03:07:51	9.5
1979	2021-11-02T12:15:43	8.5	4590	2021-11-11T06:46:55	6.4	7200	2021-11-20T00:32:22	8.5	9810	2021-11-29T03:12:51	9.3
1980	2021-11-02T12:20:43	9.4	4591	2021-11-11T06:51:55	6.4	7201	2021-11-20T00:37:22	8.5	9811	2021-11-29T03:17:52	9.2
1981	2021-11-02T12:25:43	10.0	4592	2021-11-11T06:56:54	6.5	7202	2021-11-20T00:42:22	8.4	9812	2021-11-29T03:22:52	9.0
1982	2021-11-02T12:30:43	10.4	4593	2021-11-11T07:01:54	6.7	7203	2021-11-20T00:47:22	8.4	9813	2021-11-29T03:27:51	9.0
1983	2021-11-02T12:35:43	10.3	4594	2021-11-11T07:06:54	6.2	7204	2021-11-20T00:52:21	8.4	9814	2021-11-29T03:32:51	8.9
1984	2021-11-02T12:40:43	10.1	4595	2021-11-11T07:11:55	7.0	7205	2021-11-20T00:57:23	8.3	9815	2021-11-29T03:37:51	8.8
1985	2021-11-02T12:45:43	9.9	4596	2021-11-11T07:16:54	7.3	7206	2021-11-20T01:02:22	8.3	9816	2021-11-29T03:42:51	8.5
1986	2021-11-02T12:48:00	nan	4597	2021-11-11T07:21:54	7.0	7207	2021-11-20T01:07:22	8.3	9817	2021-11-29T03:47:52	8.2
1987	2021-11-02T12:48:00	nan	4598	2021-11-11T07:26:54	6.9	7208	2021-11-20T01:12:21	8.2	9818	2021-11-29T03:52:52	8.1
1988	2021-11-02T12:50:43	9.7	4599	2021-11-11T07:31:54	6.7	7209	2021-11-20T01:17:22	8.1	9819	2021-11-29T03:57:51	8.0
1989	2021-11-02T12:55:43	9.4	4600	2021-11-11T07:36:54	6.8	7210	2021-11-20T01:22:22	7.8	9820	2021-11-29T04:02:51	7.7
1990	2021-11-02T13:00:43	9.2	4601	2021-11-11T07:41:54	6.9	7211	2021-11-20T01:27:22	7.6	9821	2021-11-29T04:07:51	7.4
1991	2021-11-02T13:05:43	9.0	4602	2021-11-11T07:46:53	6.3	7212	2021-11-20T01:32:21	7.4	9822	2021-11-29T04:12:52	7.2
1992	2021-11-02T13:10:44	8.9	4603	2021-11-11T07:51:54	5.9	7213	2021-11-20T01:37:22	7.1	9823	2021-11-29T04:17:52	7.2
1993	2021-11-02T13:15:44	8.7	4604	2021-11-11T07:56:54	5.7	7214	2021-11-20T01:42:21	6.8	9824	2021-11-29T04:22:52	7.1
1994	2021-11-02T13:20:43	8.3	4605	2021-11-11T08:01:54	6.4	7215	2021-11-20T01:47:22	6.5	9825	2021-11-29T04:27:51	7.2
1995	2021-11-02T13:25:43	7.5	4606	2021-11-11T08:06:54	7.3	7216	2021-11-20T01:52:22	6.4	9826	2021-11-29T04:32:51	7.7
1996	2021-11-02T13:30:43	7.0	4607	2021-11-11T08:11:54	7.3	7217	2021-11-20T01:57:22	6.2	9827	2021-11-29T04:37:51	7.8
1997	2021-11-02T13:35:44	6.7	4608	2021-11-11T08:16:54	7.3	7218	2021-11-20T02:02:23	6.2	9828	2021-11-29T04:42:51	8.1
1998	2021-11-02T13:40:44	6.4	4609	2021-11-11T08:21:55	7.2	7219	2021-11-20T02:07:22	6.2	9829	2021-11-29T04:47:51	8.0
1999	2021-11-02T13:45:44	6.2	4610	2021-11-11T08:26:54	7.2	7220	2021-11-20T02:12:22	6.2	9830	2021-11-29T04:52:51	6.3
2000	2021-11-02T13:50:43	6.0	4611	2021-11-11T08:31:54	7.3	7221	2021-11-20T02:17:22	6.1	9831	2021-11-29T04:57:51	4.5
2001	2021-11-02T13:55:44	5.8	4612	2021-11-11T08:36:54	7.3	7222	2021-11-20T02:22:22	5.9	9832	2021-11-29T05:02:51	6.6
2002	2021-11-02T14:00:44	5.6	4613	2021-11-11T08:41:54	7.3	7223	2021-11-20T02:27:22	5.8	9833	2021-11-29T05:07:51	6.4
2003	2021-11-02T14:05:44	5.4	4614	2021-11-11T08:46:54	7.4	7224	2021-11-20T02:32:22	5.7	9834	2021-11-29T05:12:51	7.3
2004	2021-11-02T14:10:44	5.1	4615	2021-11-11T08:51:54	7.4	7225	2021-11-20T02:37:22	5.7	9835	2021-11-29T05:17:52	8.4
2005	2021-11-02T14:15:43	4.7	4616	2021-11-11T08:55:00	nan	7226	2021-11-20T02:42:23	5.6	9836	2021-11-29T05:22:52	8.8
2006	2021-11-02T14:20:43	4.6	4617	2021-11-11T08:56:54	7.5	7227	2021-11-20T02:47:22	5.5	9837	2021-11-29T05:27:52	8.4
2007	2021-11-02T14:25:44	4.7	4618	2021-11-11T09:01:54	7.7	7228	2021-11-20T02:52:23	5.4	9838	2021-11-29T05:32:52	7.7
2008	2021-11-02T14:30:44	4.7	4619	2021-11-11T09:06:54	7.7	7229	2021-11-20T02:57:22	5.4	9839	2021-11-29T05:37:52	7.8
2009	2021-11-02T14:35:43	4.6	4620	2021-11-11T09:11:56	7.7	7230	2021-11-20T03:02:22	5.4	9840	2021-11-29T05:42:51	7.9
2010	2021-11-02T14:40:43	4.6	4621	2021-11-11T09:16:54	7.9	7231	2021-11-20T03:07:22	5.2	9841	2021-11-29T05:47:51	7.9
2011	2021-11-02T14:45:44	4.6	4622	2021-11-11T09:21:54	8.2	7232	2021-11-20T03:12:22	5.1	9842	2021-11-29T05:52:52	7.9
2012	2021-11-02T14:50:43	4.4	4623	2021-11-11T09:24:00	nan	7233	2021-11-20T03:17:22	5.0	9843	2021-11-29T05:57:51	7.9
2013	2021-11-02T14:55:44	4.3	4624	2021-11-11T09:26:55	8.4	7234	2021-11-20T03:22:23	4.9	9844	2021-11-29T06:02:52	7.6
2014	2021-11-02T15:00:43	4.2	4625	2021-11-11T09:31:54	7.9	7235	2021-11-20T03:27:23	4.9	9845	2021-11-29T06:07:52	6.9
2015	2021-11-02T15:05:44	4.2	4626	2021-11-11T09:36:55	8.3	7236	2021-11-20T03:32:23	4.9	9846	2021-11-29T06:12:52	7.2
2016	2021-11-02T15:10:44	4.5	4627	2021-11-11T09:41:55	8.4	7237	2021-11-20T03:37:22	4.9	9847	2021-11-29T06:17:52	7.3
2017	2021-11-02T15:15:43	5.0	4628	2021-11-11T09:46:54	8.8	7238	2021-11-20T03:42:22	4.9	9848	2021-11-29T06:22:52	7.2
2018	2021-11-02T15:20:44	5.2	4629	2021-11-11T09:51:54	9.1	7239	2021-11-20T03:47:22	4.9	9849	2021-11-29T06:27:52	7.5

2019	2021-11-02T15:25:43	5.6	4630	2021-11-11T09:56:54	9.0	7240	2021-11-20T03:52:22	4.7	9850	2021-11-29T06:32:52	7.2
2020	2021-11-02T15:30:44	6.0	4631	2021-11-11T10:01:55	9.2	7241	2021-11-20T03:57:22	4.7	9851	2021-11-29T06:37:52	6.6
2021	2021-11-02T15:35:44	6.6	4632	2021-11-11T10:06:55	9.8	7242	2021-11-20T04:02:23	4.7	9852	2021-11-29T06:42:52	6.3
2022	2021-11-02T15:40:43	7.2	4633	2021-11-11T10:11:55	9.9	7243	2021-11-20T04:07:22	4.9	9853	2021-11-29T06:47:52	5.9
2023	2021-11-02T15:45:44	7.7	4634	2021-11-11T10:16:55	9.9	7244	2021-11-20T04:12:22	4.9	9854	2021-11-29T06:52:52	6.1
2024	2021-11-02T15:50:44	8.2	4635	2021-11-11T10:18:00	nan	7245	2021-11-20T04:17:22	5.0	9855	2021-11-29T06:57:51	6.4
2025	2021-11-02T15:55:45	8.5	4636	2021-11-11T10:21:55	10.0	7246	2021-11-20T04:22:23	5.0	9856	2021-11-29T07:02:52	6.9
2026	2021-11-02T16:00:44	8.5	4637	2021-11-11T10:26:55	9.7	7247	2021-11-20T04:27:22	5.0	9857	2021-11-29T07:07:52	6.5
2027	2021-11-02T16:05:44	8.4	4638	2021-11-11T10:31:55	10.0	7248	2021-11-20T04:32:22	4.9	9858	2021-11-29T07:12:52	6.3
2028	2021-11-02T16:10:44	8.2	4639	2021-11-11T10:36:55	9.9	7249	2021-11-20T04:37:22	4.9	9859	2021-11-29T07:17:51	6.5
2029	2021-11-02T16:15:44	8.1	4640	2021-11-11T10:41:55	9.7	7250	2021-11-20T04:42:22	4.8	9860	2021-11-29T07:22:53	6.8
2030	2021-11-02T16:20:44	8.1	4641	2021-11-11T10:46:55	9.7	7251	2021-11-20T04:47:22	4.8	9861	2021-11-29T07:27:52	7.1
2031	2021-11-02T16:25:44	8.0	4642	2021-11-11T10:51:55	9.4	7252	2021-11-20T04:52:23	4.8	9862	2021-11-29T07:32:51	7.2
2032	2021-11-02T16:30:44	8.3	4643	2021-11-11T10:56:54	8.8	7253	2021-11-20T04:57:23	4.7	9863	2021-11-29T07:37:53	7.2
2033	2021-11-02T16:35:44	8.5	4644	2021-11-11T11:01:55	8.8	7254	2021-11-20T05:02:22	4.4	9864	2021-11-29T07:42:52	7.2
2034	2021-11-02T16:40:44	8.5	4645	2021-11-11T11:06:54	8.9	7255	2021-11-20T05:07:23	4.3	9865	2021-11-29T07:47:52	7.5
2035	2021-11-02T16:45:44	8.9	4646	2021-11-11T11:11:54	8.4	7256	2021-11-20T05:12:23	4.3	9866	2021-11-29T07:52:52	7.2
2036	2021-11-02T16:50:44	9.2	4647	2021-11-11T11:16:54	8.1	7257	2021-11-20T05:17:23	4.3	9867	2021-11-29T07:57:52	7.4
2037	2021-11-02T16:55:44	9.3	4648	2021-11-11T11:21:54	7.9	7258	2021-11-20T05:22:23	4.4	9868	2021-11-29T08:02:52	7.3
2038	2021-11-02T17:00:44	10.0	4649	2021-11-11T11:26:54	7.8	7259	2021-11-20T05:27:23	4.4	9869	2021-11-29T08:07:52	7.0
2039	2021-11-02T17:05:43	10.9	4650	2021-11-11T11:31:54	8.2	7260	2021-11-20T05:32:22	4.4	9870	2021-11-29T08:12:52	7.3
2040	2021-11-02T17:08:00	nan	4651	2021-11-11T11:36:54	8.4	7261	2021-11-20T05:37:22	4.6	9871	2021-11-29T08:17:52	7.4
2041	2021-11-02T17:08:00	nan	4652	2021-11-11T11:41:54	8.1	7262	2021-11-20T05:42:22	4.3	9872	2021-11-29T08:22:53	7.6
2042	2021-11-02T17:10:44	11.3	4653	2021-11-11T11:46:54	7.4	7263	2021-11-20T05:47:23	4.1	9873	2021-11-29T08:27:52	7.4
2043	2021-11-02T17:15:44	11.5	4654	2021-11-11T11:51:54	7.4	7264	2021-11-20T05:52:23	4.1	9874	2021-11-29T08:32:52	7.2
2044	2021-11-02T17:20:44	11.7	4655	2021-11-11T11:56:54	7.5	7265	2021-11-20T05:57:24	4.1	9875	2021-11-29T08:37:51	7.2
2045	2021-11-02T17:25:44	11.7	4656	2021-11-11T12:01:55	7.8	7266	2021-11-20T06:02:22	4.1	9876	2021-11-29T08:42:51	7.2
2046	2021-11-02T17:30:44	11.7	4657	2021-11-11T12:03:00	nan	7267	2021-11-20T06:07:24	4.1	9877	2021-11-29T08:47:52	7.2
2047	2021-11-02T17:35:44	11.8	4658	2021-11-11T12:06:55	7.8	7268	2021-11-20T06:12:23	4.1	9878	2021-11-29T08:52:51	7.2
2048	2021-11-02T17:40:44	12.0	4659	2021-11-11T12:11:55	7.5	7269	2021-11-20T06:17:23	3.8	9879	2021-11-29T08:57:52	7.3
2049	2021-11-02T17:45:44	12.3	4660	2021-11-11T12:16:56	7.3	7270	2021-11-20T06:22:23	3.3	9880	2021-11-29T09:02:51	7.2
2050	2021-11-02T17:50:44	12.5	4661	2021-11-11T12:21:56	7.3	7271	2021-11-20T06:26:00	nan	9881	2021-11-29T09:07:52	7.3
2051	2021-11-02T17:55:44	12.6	4662	2021-11-11T12:26:54	7.2	7272	2021-11-20T06:27:22	3.8	9882	2021-11-29T09:10:00	nan
2052	2021-11-02T18:00:44	12.1	4663	2021-11-11T12:31:55	7.0	7273	2021-11-20T06:32:23	4.1	9883	2021-11-29T09:12:52	7.5
2053	2021-11-02T18:05:44	11.4	4664	2021-11-11T12:36:55	7.0	7274	2021-11-20T06:37:23	4.3	9884	2021-11-29T09:17:52	7.4
2054	2021-11-02T18:07:00	nan	4665	2021-11-11T12:41:55	6.9	7275	2021-11-20T06:42:22	4.4	9885	2021-11-29T09:22:53	7.5
2055	2021-11-02T18:10:45	10.3	4666	2021-11-11T12:46:54	6.7	7276	2021-11-20T06:47:22	4.8	9886	2021-11-29T09:27:52	7.5
2056	2021-11-02T18:15:44	9.3	4667	2021-11-11T12:51:54	6.4	7277	2021-11-20T06:52:23	5.6	9887	2021-11-29T09:32:52	7.5
2057	2021-11-02T18:20:45	7.9	4668	2021-11-11T12:56:54	6.5	7278	2021-11-20T06:57:23	6.5	9888	2021-11-29T09:37:52	7.7
2058	2021-11-02T18:25:45	6.8	4669	2021-11-11T13:01:54	6.4	7279	2021-11-20T07:02:22	7.3	9889	2021-11-29T09:42:52	7.8
2059	2021-11-02T18:30:00	nan	4670	2021-11-11T13:06:54	6.3	7280	2021-11-20T07:07:23	7.5	9890	2021-11-29T09:47:52	8.0
2060	2021-11-02T18:30:00	nan	4671	2021-11-11T13:11:55	5.9	7281	2021-11-20T07:12:22	7.7	9891	2021-11-29T09:52:52	8.2
2061	2021-11-02T18:30:44	5.9	4672	2021-11-11T13:16:54	5.6	7282	2021-11-20T07:17:23	7.9	9892	2021-11-29T09:57:53	8.2
2062	2021-11-02T18:35:45	5.4	4673	2021-11-11T13:21:54	5.4	7283	2021-11-20T07:22:23	8.1	9893	2021-11-29T10:02:52	8.1
2063	2021-11-02T18:40:44	4.8	4674	2021-11-11T13:26:55	5.2	7284	2021-11-20T07:27:22	8.2	9894	2021-11-29T10:07:52	8.1
2064	2021-11-02T18:45:44	4.3	4675	2021-11-11T13:31:55	4.8	7285	2021-11-20T07:32:23	8.3	9895	2021-11-29T10:09:00	nan
2065	2021-11-02T18:50:44	4.3	4676	2021-11-11T13:36:55	4.9	7286	2021-11-20T07:37:23	8.4	9896	2021-11-29T10:12:52	8.1
2066	2021-11-02T18:55:44	4.2	4677	2021-11-11T13:41:55	4.6	7287	2021-11-20T07:42:22	8.4	9897	2021-11-29T10:17:53	8.2
2067	2021-11-02T19:00:00	nan	4678	2021-11-11T13:46:55	4.3	7288	2021-11-20T07:47:23	8.4	9898	2021-11-29T10:22:53	8.1
2068	2021-11-02T19:00:44	4.3	4679	2021-11-11T13:51:55	4.1	7289	2021-11-20T07:52:23	8.5	9899	2021-11-29T10:27:52	8.1
2069	2021-11-02T19:05:44	4.3	4680	2021-11-11T13:56:54	4.1	7290	2021-11-20T07:57:23	8.3	9900	2021-11-29T10:32:52	8.0
2070	2021-11-02T19:10:44	4.2	4681	2021-11-11T14:01:54	4.4	7291	2021-11-20T08:02:23	8.2	9901	2021-11-29T10:37:52	7.7
2071	2021-11-02T19:15:44	4.2	4682	2021-11-11T14:06:55	4.3	7292	2021-11-20T08:07:24	8.2	9902	2021-11-29T10:42:52	7.4
2072	2021-11-02T19:20:45	4.2	4683	2021-11-11T14:11:55	4.6	7293	2021-11-20T08:12:22	8.2	9903	2021-11-29T10:47:52	7.1
2073	2021-11-02T19:25:44	4.0	4684	2021-11-11T14:16:55	4.4	7294	2021-11-20T08:17:23	8.2	9904	2021-11-29T10:52:52	6.8

2074	2021-11-02T19:30:45	3.9	**4685**	2021-11-11T14:21:55	4.4	**7295**	2021-11-20T08:22:23	8.2	**9905**	2021-11-29T10:57:52	6.5
2075	2021-11-02T19:35:44	3.9	**4686**	2021-11-11T14:26:55	4.4	**7296**	2021-11-20T08:27:23	8.3	**9906**	2021-11-29T11:02:52	6.3
2076	2021-11-02T19:40:44	4.0	**4687**	2021-11-11T14:28:00	nan	**7297**	2021-11-20T08:32:23	8.3	**9907**	2021-11-29T11:07:52	6.2
2077	2021-11-02T19:45:44	4.2	**4688**	2021-11-11T14:31:55	4.7	**7298**	2021-11-20T08:37:23	8.2	**9908**	2021-11-29T11:12:52	6.1
2078	2021-11-02T19:50:44	4.7	**4689**	2021-11-11T14:36:55	4.8	**7299**	2021-11-20T08:42:23	8.0	**9909**	2021-11-29T11:17:52	5.9
2079	2021-11-02T19:55:44	5.2	**4690**	2021-11-11T14:41:56	5.2	**7300**	2021-11-20T08:47:23	8.0	**9910**	2021-11-29T11:22:53	5.7
2080	2021-11-02T20:00:44	5.4	**4691**	2021-11-11T14:46:55	5.5	**7301**	2021-11-20T08:52:23	8.0	**9911**	2021-11-29T11:27:52	5.7
2081	2021-11-02T20:05:45	5.8	**4692**	2021-11-11T14:51:55	6.1	**7302**	2021-11-20T08:57:23	7.9	**9912**	2021-11-29T11:32:52	5.6
2082	2021-11-02T20:10:44	5.9	**4693**	2021-11-11T14:56:56	6.7	**7303**	2021-11-20T09:02:23	7.8	**9913**	2021-11-29T11:37:52	5.4
2083	2021-11-02T20:15:44	6.3	**4694**	2021-11-11T15:01:55	7.5	**7304**	2021-11-20T09:07:23	7.9	**9914**	2021-11-29T11:42:52	5.4
2084	2021-11-02T20:20:44	6.3	**4695**	2021-11-11T15:06:55	7.5	**7305**	2021-11-20T09:12:23	8.1	**9915**	2021-11-29T11:47:52	5.7
2085	2021-11-02T20:25:44	6.5	**4696**	2021-11-11T15:11:55	7.8	**7306**	2021-11-20T09:17:23	7.9	**9916**	2021-11-29T11:52:52	5.9
2086	2021-11-02T20:30:44	6.5	**4697**	2021-11-11T15:16:55	8.1	**7307**	2021-11-20T09:22:23	7.9	**9917**	2021-11-29T11:57:52	6.0
2087	2021-11-02T20:35:44	6.4	**4698**	2021-11-11T15:21:57	8.3	**7308**	2021-11-20T09:27:23	8.0	**9918**	2021-11-29T12:02:52	6.0
2088	2021-11-02T20:40:44	6.5	**4699**	2021-11-11T15:26:55	8.2	**7309**	2021-11-20T09:30:00	nan	**9919**	2021-11-29T12:07:52	6.0
2089	2021-11-02T20:45:45	6.8	**4700**	2021-11-11T15:31:55	8.7	**7310**	2021-11-20T09:30:00	nan	**9920**	2021-11-29T12:12:52	6.0
2090	2021-11-02T20:50:44	7.2	**4701**	2021-11-11T15:36:55	8.3	**7311**	2021-11-20T09:31:00	nan	**9921**	2021-11-29T12:17:52	6.0
2091	2021-11-02T20:55:44	7.5	**4702**	2021-11-11T15:41:55	8.1	**7312**	2021-11-20T09:32:22	8.0	**9922**	2021-11-29T12:22:53	6.1
2092	2021-11-02T21:00:44	7.9	**4703**	2021-11-11T15:46:56	7.9	**7313**	2021-11-20T09:37:23	8.2	**9923**	2021-11-29T12:27:52	6.2
2093	2021-11-02T21:05:44	8.3	**4704**	2021-11-11T15:51:55	8.0	**7314**	2021-11-20T09:42:22	8.3	**9924**	2021-11-29T12:32:52	6.2
2094	2021-11-02T21:10:44	8.9	**4705**	2021-11-11T15:56:55	8.2	**7315**	2021-11-20T09:47:23	8.2	**9925**	2021-11-29T12:37:52	6.1
2095	2021-11-02T21:15:43	9.3	**4706**	2021-11-11T16:01:56	8.3	**7316**	2021-11-20T09:52:23	7.9	**9926**	2021-11-29T12:42:52	6.1
2096	2021-11-02T21:20:43	9.7	**4707**	2021-11-11T16:06:55	8.7	**7317**	2021-11-20T09:57:24	7.5	**9927**	2021-11-29T12:47:52	6.0
2097	2021-11-02T21:25:44	10.2	**4708**	2021-11-11T16:10:00	nan	**7318**	2021-11-20T10:02:23	7.1	**9928**	2021-11-29T12:52:52	6.1
2098	2021-11-02T21:30:00	nan	**4709**	2021-11-11T16:11:56	9.1	**7319**	2021-11-20T10:07:23	6.6	**9929**	2021-11-29T12:57:52	5.9
2099	2021-11-02T21:30:44	10.4	**4710**	2021-11-11T16:16:56	9.5	**7320**	2021-11-20T10:12:24	6.2	**9930**	2021-11-29T13:02:52	5.4
2100	2021-11-02T21:35:44	10.7	**4711**	2021-11-11T16:21:56	10.0	**7321**	2021-11-20T10:17:23	5.9	**9931**	2021-11-29T13:07:52	5.1
2101	2021-11-02T21:40:43	11.3	**4712**	2021-11-11T16:26:56	10.2	**7322**	2021-11-20T10:22:23	5.5	**9932**	2021-11-29T13:12:52	5.7
2102	2021-11-02T21:45:44	11.3	**4713**	2021-11-11T16:31:56	11.1	**7323**	2021-11-20T10:27:24	4.8	**9933**	2021-11-29T13:17:52	5.8
2103	2021-11-02T21:50:44	11.4	**4714**	2021-11-11T16:36:56	11.2	**7324**	2021-11-20T10:32:24	4.1	**9934**	2021-11-29T13:22:54	5.8
2104	2021-11-02T21:55:44	11.5	**4715**	2021-11-11T16:41:56	11.4	**7325**	2021-11-20T10:37:24	3.3	**9935**	2021-11-29T13:27:53	5.6
2105	2021-11-02T22:00:44	11.3	**4716**	2021-11-11T16:46:55	11.3	**7326**	2021-11-20T10:39:00	nan	**9936**	2021-11-29T13:32:53	5.7
2106	2021-11-02T22:05:46	11.1	**4717**	2021-11-11T16:51:55	11.0	**7327**	2021-11-20T10:42:24	3.1	**9937**	2021-11-29T13:37:53	5.5
2107	2021-11-02T22:10:46	11.4	**4718**	2021-11-11T16:56:55	11.0	**7328**	2021-11-20T10:47:24	2.8	**9938**	2021-11-29T13:41:00	nan
2108	2021-11-02T22:15:44	11.9	**4719**	2021-11-11T17:01:56	11.6	**7329**	2021-11-20T10:52:24	2.8	**9939**	2021-11-29T13:41:00	nan
2109	2021-11-02T22:20:44	12.3	**4720**	2021-11-11T17:06:56	11.7	**7330**	2021-11-20T10:57:00	nan	**9940**	2021-11-29T13:42:53	5.5
2110	2021-11-02T22:25:44	12.2	**4721**	2021-11-11T17:11:55	11.5	**7331**	2021-11-20T10:57:23	3.3	**9941**	2021-11-29T13:47:53	5.2
2111	2021-11-02T22:30:44	12.3	**4722**	2021-11-11T17:16:55	11.7	**7332**	2021-11-20T11:02:23	3.5	**9942**	2021-11-29T13:52:53	5.0
2112	2021-11-02T22:35:44	12.0	**4723**	2021-11-11T17:21:55	12.7	**7333**	2021-11-20T11:07:23	4.0	**9943**	2021-11-29T13:57:53	5.0
2113	2021-11-02T22:40:44	11.9	**4724**	2021-11-11T17:26:56	12.7	**7334**	2021-11-20T11:12:24	4.5	**9944**	2021-11-29T14:02:53	5.1
2114	2021-11-02T22:42:00	nan	**4725**	2021-11-11T17:31:56	12.7	**7335**	2021-11-20T11:17:23	5.1	**9945**	2021-11-29T14:07:53	5.2
2115	2021-11-02T22:42:00	nan	**4726**	2021-11-11T17:36:56	12.7	**7336**	2021-11-20T11:22:23	5.6	**9946**	2021-11-29T14:12:53	5.7
2116	2021-11-02T22:45:45	12.0	**4727**	2021-11-11T17:41:56	12.4	**7337**	2021-11-20T11:27:24	5.8	**9947**	2021-11-29T14:17:53	5.9
2117	2021-11-02T22:50:44	12.2	**4728**	2021-11-11T17:46:56	12.4	**7338**	2021-11-20T11:32:24	6.1	**9948**	2021-11-29T14:22:54	6.0
2118	2021-11-02T22:55:45	12.2	**4729**	2021-11-11T17:50:00	nan	**7339**	2021-11-20T11:37:24	6.4	**9949**	2021-11-29T14:27:52	5.9
2119	2021-11-02T23:00:45	12.2	**4730**	2021-11-11T17:51:00	nan	**7340**	2021-11-20T11:42:24	6.4	**9950**	2021-11-29T14:32:52	5.9
2120	2021-11-02T23:05:45	12.3	**4731**	2021-11-11T17:51:56	12.5	**7341**	2021-11-20T11:47:24	6.4	**9951**	2021-11-29T14:37:53	6.2
2121	2021-11-02T23:10:46	12.2	**4732**	2021-11-11T17:56:56	12.7	**7342**	2021-11-20T11:52:24	6.5	**9952**	2021-11-29T14:42:53	6.2
2122	2021-11-02T23:15:44	12.2	**4733**	2021-11-11T18:01:56	13.0	**7343**	2021-11-20T11:57:23	6.5	**9953**	2021-11-29T14:47:52	6.1
2123	2021-11-02T23:20:44	11.8	**4734**	2021-11-11T18:06:56	13.4	**7344**	2021-11-20T12:02:24	6.5	**9954**	2021-11-29T14:52:52	6.4
2124	2021-11-02T23:25:44	11.2	**4735**	2021-11-11T18:08:00	nan	**7345**	2021-11-20T12:07:24	6.5	**9955**	2021-11-29T14:57:53	6.3
2125	2021-11-02T23:30:44	10.5	**4736**	2021-11-11T18:11:56	12.5	**7346**	2021-11-20T12:12:23	6.7	**9956**	2021-11-29T15:02:53	7.2
2126	2021-11-02T23:35:44	9.9	**4737**	2021-11-11T18:16:56	12.9	**7347**	2021-11-20T12:17:23	7.1	**9957**	2021-11-29T15:07:52	7.0
2127	2021-11-02T23:40:44	9.4	**4738**	2021-11-11T18:21:56	12.3	**7348**	2021-11-20T12:22:23	7.7	**9958**	2021-11-29T15:12:54	6.9
2128	2021-11-02T23:45:44	8.9	**4739**	2021-11-11T18:26:55	11.3	**7349**	2021-11-20T12:27:23	8.2	**9959**	2021-11-29T15:17:53	7.3

2129	2021-11-02T23:50:44	8.4	**4740**	2021-11-11T18:29:00	nan	**7350**	2021-11-20T12:32:23	8.8	**9960**	2021-11-29T15:22:54	7.4
2130	2021-11-02T23:55:44	8.1	**4741**	2021-11-11T18:31:56	9.8	**7351**	2021-11-20T12:37:23	9.4	**9961**	2021-11-29T15:27:53	7.5
2131	2021-11-03T00:00:44	8.0	**4742**	2021-11-11T18:36:56	7.8	**7352**	2021-11-20T12:42:23	9.9	**9962**	2021-11-29T15:32:53	7.4
2132	2021-11-03T00:05:44	7.8	**4743**	2021-11-11T18:41:56	5.6	**7353**	2021-11-20T12:47:23	10.4	**9963**	2021-11-29T15:37:53	7.2
2133	2021-11-03T00:10:46	6.0	**4744**	2021-11-11T18:46:57	4.2	**7354**	2021-11-20T12:52:23	10.5	**9964**	2021-11-29T15:42:53	7.0
2134	2021-11-03T00:15:44	4.9	**4745**	2021-11-11T18:51:56	4.2	**7355**	2021-11-20T12:57:23	10.6	**9965**	2021-11-29T15:47:53	6.7
2135	2021-11-03T00:20:44	3.8	**4746**	2021-11-11T18:52:00	nan	**7356**	2021-11-20T13:02:23	10.9	**9966**	2021-11-29T15:52:53	6.4
2136	2021-11-03T00:25:44	Low	**4747**	2021-11-11T18:56:56	3.6	**7357**	2021-11-20T13:07:24	11.4	**9967**	2021-11-29T15:57:53	6.5
2137	2021-11-03T02:41:29	12.0	**4748**	2021-11-11T19:01:56	3.2	**7358**	2021-11-20T13:12:24	11.9	**9968**	2021-11-29T16:02:53	6.5
2138	2021-11-03T02:46:29	11.9	**4749**	2021-11-11T19:02:00	nan	**7359**	2021-11-20T13:17:23	12.5	**9969**	2021-11-29T16:07:54	6.3
2139	2021-11-03T02:51:29	11.9	**4750**	2021-11-11T19:06:56	3.2	**7360**	2021-11-20T13:22:23	12.3	**9970**	2021-11-29T16:12:53	6.1
2140	2021-11-03T02:56:30	11.8	**4751**	2021-11-11T19:11:55	3.2	**7361**	2021-11-20T13:27:23	12.0	**9971**	2021-11-29T16:17:53	6.0
2141	2021-11-03T03:01:29	11.7	**4752**	2021-11-11T19:16:55	3.2	**7362**	2021-11-20T13:32:24	11.8	**9972**	2021-11-29T16:22:54	6.0
2142	2021-11-03T03:06:28	11.5	**4753**	2021-11-11T19:21:55	3.3	**7363**	2021-11-20T13:37:23	11.8	**9973**	2021-11-29T16:27:53	5.8
2143	2021-11-03T03:11:30	11.3	**4754**	2021-11-11T19:26:56	3.5	**7364**	2021-11-20T13:42:23	12.0	**9974**	2021-11-29T16:32:52	5.9
2144	2021-11-03T03:16:28	11.2	**4755**	2021-11-11T19:31:57	3.9	**7365**	2021-11-20T13:47:23	12.3	**9975**	2021-11-29T16:37:53	5.8
2145	2021-11-03T03:21:28	10.9	**4756**	2021-11-11T19:36:57	4.3	**7366**	2021-11-20T13:52:24	12.5	**9976**	2021-11-29T16:40:00	nan
2146	2021-11-03T03:26:28	10.2	**4757**	2021-11-11T19:41:57	4.1	**7367**	2021-11-20T13:57:24	12.4	**9977**	2021-11-29T16:42:52	5.7
2147	2021-11-03T03:31:28	10.5	**4758**	2021-11-11T19:46:57	3.9	**7368**	2021-11-20T14:02:24	12.5	**9978**	2021-11-29T16:47:53	5.6
2148	2021-11-03T03:36:28	11.0	**4759**	2021-11-11T19:51:57	4.0	**7369**	2021-11-20T14:07:24	12.8	**9979**	2021-11-29T16:52:53	5.3
2149	2021-11-03T03:41:28	11.3	**4760**	2021-11-11T19:56:57	4.3	**7370**	2021-11-20T14:12:24	12.9	**9980**	2021-11-29T16:57:53	5.3
2150	2021-11-03T03:46:28	11.0	**4761**	2021-11-11T20:01:56	4.4	**7371**	2021-11-20T14:17:23	13.3	**9981**	2021-11-29T17:02:53	5.8
2151	2021-11-03T03:51:28	9.8	**4762**	2021-11-11T20:02:00	nan	**7372**	2021-11-20T14:22:23	13.5	**9982**	2021-11-29T17:07:52	5.9
2152	2021-11-03T03:56:28	9.2	**4763**	2021-11-11T20:06:56	4.7	**7373**	2021-11-20T14:27:24	13.7	**9983**	2021-11-29T17:12:53	6.6
2153	2021-11-03T04:01:28	9.8	**4764**	2021-11-11T20:11:56	5.1	**7374**	2021-11-20T14:32:00	nan	**9984**	2021-11-29T17:15:00	nan
2154	2021-11-03T04:06:28	10.2	**4765**	2021-11-11T20:16:57	5.4	**7375**	2021-11-20T14:32:00	nan	**9985**	2021-11-29T17:17:52	7.3
2155	2021-11-03T04:11:30	10.0	**4766**	2021-11-11T20:21:55	5.8	**7376**	2021-11-20T14:32:23	13.8	**9986**	2021-11-29T17:22:53	7.8
2156	2021-11-03T04:16:29	10.7	**4767**	2021-11-11T20:26:56	5.9	**7377**	2021-11-20T14:37:24	13.7	**9987**	2021-11-29T17:27:53	8.4
2157	2021-11-03T04:21:30	11.3	**4768**	2021-11-11T20:31:56	6.0	**7378**	2021-11-20T14:42:24	13.6	**9988**	2021-11-29T17:32:53	8.8
2158	2021-11-03T04:26:29	11.3	**4769**	2021-11-11T20:36:56	6.0	**7379**	2021-11-20T14:47:24	13.5	**9989**	2021-11-29T17:37:53	8.9
2159	2021-11-03T04:31:28	10.8	**4770**	2021-11-11T20:41:56	6.2	**7380**	2021-11-20T14:52:24	13.6	**9990**	2021-11-29T17:42:53	8.7
2160	2021-11-03T04:36:29	9.5	**4771**	2021-11-11T20:46:56	6.7	**7381**	2021-11-20T14:57:24	13.9	**9991**	2021-11-29T17:47:53	8.5
2161	2021-11-03T04:41:30	8.0	**4772**	2021-11-11T20:51:56	7.3	**7382**	2021-11-20T15:02:23	14.2	**9992**	2021-11-29T17:52:53	7.9
2162	2021-11-03T04:46:29	8.7	**4773**	2021-11-11T20:56:56	7.5	**7383**	2021-11-20T15:07:25	13.9	**9993**	2021-11-29T17:57:54	7.8
2163	2021-11-03T04:51:29	9.3	**4774**	2021-11-11T21:01:57	7.8	**7384**	2021-11-20T15:12:24	13.2	**9994**	2021-11-29T18:02:53	8.0
2164	2021-11-03T04:56:28	9.9	**4775**	2021-11-11T21:06:57	8.3	**7385**	2021-11-20T15:17:24	12.4	**9995**	2021-11-29T18:07:53	7.8
2165	2021-11-03T05:01:29	10.0	**4776**	2021-11-11T21:11:57	8.8	**7386**	2021-11-20T15:22:24	11.5	**9996**	2021-11-29T18:12:53	7.4
2166	2021-11-03T05:06:29	9.9	**4777**	2021-11-11T21:16:57	9.2	**7387**	2021-11-20T15:27:25	11.2	**9997**	2021-11-29T18:17:53	7.5
2167	2021-11-03T05:11:30	9.8	**4778**	2021-11-11T21:21:56	9.8	**7388**	2021-11-20T15:32:24	10.8	**9998**	2021-11-29T18:22:54	7.3
2168	2021-11-03T05:16:29	9.6	**4779**	2021-11-11T21:26:55	10.2	**7389**	2021-11-20T15:37:24	10.3	**9999**	2021-11-29T18:27:53	6.8
2169	2021-11-03T05:21:29	8.8	**4780**	2021-11-11T21:31:57	10.4	**7390**	2021-11-20T15:42:24	9.9	**10000**	2021-11-29T18:32:53	6.7
2170	2021-11-03T05:26:29	8.9	**4781**	2021-11-11T21:36:56	10.4	**7391**	2021-11-20T15:47:25	9.8	**10001**	2021-11-29T18:37:54	6.3
2171	2021-11-03T05:31:29	8.4	**4782**	2021-11-11T21:41:56	10.6	**7392**	2021-11-20T15:52:24	9.9	**10002**	2021-11-29T18:42:53	5.4
2172	2021-11-03T05:36:29	8.4	**4783**	2021-11-11T21:46:57	10.8	**7393**	2021-11-20T15:57:24	9.7	**10003**	2021-11-29T18:47:54	5.1
2173	2021-11-03T05:41:29	9.2	**4784**	2021-11-11T21:51:57	11.0	**7394**	2021-11-20T16:02:24	9.2	**10004**	2021-11-29T18:52:54	5.3
2174	2021-11-03T05:46:29	7.6	**4785**	2021-11-11T21:56:56	11.0	**7395**	2021-11-20T16:07:24	8.9	**10005**	2021-11-29T18:57:54	5.8
2175	2021-11-03T05:51:31	8.1	**4786**	2021-11-11T22:01:57	11.1	**7396**	2021-11-20T16:12:24	8.7	**10006**	2021-11-29T19:02:54	5.6
2176	2021-11-03T05:56:29	7.9	**4787**	2021-11-11T22:06:56	11.2	**7397**	2021-11-20T16:17:24	8.5	**10007**	2021-11-29T19:06:00	nan
2177	2021-11-03T06:01:30	7.7	**4788**	2021-11-11T22:11:56	11.3	**7398**	2021-11-20T16:22:25	8.2	**10008**	2021-11-29T19:06:00	nan
2178	2021-11-03T06:06:29	7.7	**4789**	2021-11-11T22:16:56	11.7	**7399**	2021-11-20T16:27:24	7.7	**10009**	2021-11-29T19:07:53	5.9
2179	2021-11-03T06:11:30	8.1	**4790**	2021-11-11T22:21:56	11.8	**7400**	2021-11-20T16:32:25	7.5	**10010**	2021-11-29T19:12:54	5.8
2180	2021-11-03T06:16:28	8.3	**4791**	2021-11-11T22:26:56	12.0	**7401**	2021-11-20T16:37:24	7.3	**10011**	2021-11-29T19:17:53	5.6
2181	2021-11-03T06:21:28	8.2	**4792**	2021-11-11T22:31:56	12.0	**7402**	2021-11-20T16:42:25	7.0	**10012**	2021-11-29T19:22:55	5.5
2182	2021-11-03T06:26:28	8.2	**4793**	2021-11-11T22:36:57	11.9	**7403**	2021-11-20T16:47:25	6.8	**10013**	2021-11-29T19:27:53	5.6
2183	2021-11-03T06:31:28	8.1	**4794**	2021-11-11T22:41:57	11.9	**7404**	2021-11-20T16:52:25	6.5	**10014**	2021-11-29T19:32:53	5.9

2184	2021-11-03T06:36:30	8.0	4795	2021-11-11T22:46:56	11.9	7405	2021-11-20T16:57:24	6.3	10015	2021-11-29T19:37:53	6.1
2185	2021-11-03T06:41:29	7.9	4796	2021-11-11T22:51:57	11.8	7406	2021-11-20T17:02:24	6.1	10016	2021-11-29T19:42:53	6.5
2186	2021-11-03T06:46:28	7.1	4797	2021-11-11T22:56:57	11.9	7407	2021-11-20T17:07:25	5.9	10017	2021-11-29T19:47:53	6.7
2187	2021-11-03T06:51:29	5.8	4798	2021-11-11T23:01:57	12.0	7408	2021-11-20T17:12:24	5.7	10018	2021-11-29T19:52:53	6.5
2188	2021-11-03T06:56:28	5.7	4799	2021-11-11T23:06:57	11.9	7409	2021-11-20T17:17:24	5.5	10019	2021-11-29T19:57:53	6.5
2189	2021-11-03T07:01:30	6.9	4800	2021-11-11T23:11:56	11.8	7410	2021-11-20T17:22:24	5.4	10020	2021-11-29T20:02:52	6.5
2190	2021-11-03T07:06:29	6.9	4801	2021-11-11T23:16:57	11.7	7411	2021-11-20T17:27:24	5.3	10021	2021-11-29T20:07:52	6.3
2191	2021-11-03T07:11:30	7.8	4802	2021-11-11T23:21:57	11.6	7412	2021-11-20T17:32:24	5.2	10022	2021-11-29T20:12:55	6.3
2192	2021-11-03T07:16:29	8.2	4803	2021-11-11T23:26:57	11.5	7413	2021-11-20T17:37:24	5.2	10023	2021-11-29T20:17:54	6.1
2193	2021-11-03T07:21:30	8.3	4804	2021-11-11T23:31:57	11.4	7414	2021-11-20T17:42:24	5.1	10024	2021-11-29T20:22:54	5.7
2194	2021-11-03T07:26:29	7.6	4805	2021-11-11T23:36:57	11.2	7415	2021-11-20T17:47:24	5.0	10025	2021-11-29T20:27:53	5.3
2195	2021-11-03T07:31:30	7.0	4806	2021-11-11T23:41:57	11.5	7416	2021-11-20T17:52:24	5.0	10026	2021-11-29T20:32:54	5.0
2196	2021-11-03T07:36:29	6.7	4807	2021-11-11T23:46:57	10.3	7417	2021-11-20T17:57:24	4.9	10027	2021-11-29T20:37:00	nan
2197	2021-11-03T07:41:31	6.0	4808	2021-11-11T23:51:57	11.0	7418	2021-11-20T18:02:24	4.9	10028	2021-11-29T20:37:53	4.7
2198	2021-11-03T07:46:30	5.6	4809	2021-11-11T23:56:56	10.8	7419	2021-11-20T18:07:25	4.9	10029	2021-11-29T20:42:54	4.4
2199	2021-11-03T07:51:31	5.7	4810	2021-11-12T00:01:57	11.1	7420	2021-11-20T18:12:24	4.8	10030	2021-11-29T20:47:54	4.5
2200	2021-11-03T07:56:29	5.9	4811	2021-11-12T00:06:57	11.2	7421	2021-11-20T18:17:24	4.8	10031	2021-11-29T20:52:53	4.6
2201	2021-11-03T08:01:29	5.6	4812	2021-11-12T00:11:57	10.9	7422	2021-11-20T18:22:24	4.7	10032	2021-11-29T20:57:54	4.8
2202	2021-11-03T08:06:29	5.7	4813	2021-11-12T00:16:57	10.0	7423	2021-11-20T18:25:00	nan	10033	2021-11-29T21:02:54	4.9
2203	2021-11-03T08:11:30	6.7	4814	2021-11-12T00:21:57	9.5	7424	2021-11-20T18:25:00	nan	10034	2021-11-29T21:07:54	4.8
2204	2021-11-03T08:13:00	nan	4815	2021-11-12T00:26:56	9.5	7425	2021-11-20T18:27:25	4.8	10035	2021-11-29T21:12:53	4.7
2205	2021-11-03T08:16:28	7.2	4816	2021-11-12T00:31:57	9.8	7426	2021-11-20T18:32:24	4.8	10036	2021-11-29T21:17:54	4.8
2206	2021-11-03T08:21:29	7.6	4817	2021-11-12T00:36:56	9.7	7427	2021-11-20T18:37:25	4.9	10037	2021-11-29T21:22:54	4.6
2207	2021-11-03T08:26:28	8.2	4818	2021-11-12T00:41:57	9.7	7428	2021-11-20T18:42:25	4.9	10038	2021-11-29T21:27:54	4.5
2208	2021-11-03T08:30:00	nan	4819	2021-11-12T00:46:57	9.7	7429	2021-11-20T18:47:25	4.9	10039	2021-11-29T21:32:54	4.5
2209	2021-11-03T08:31:28	9.2	4820	2021-11-12T00:48:00	nan	7430	2021-11-20T18:52:25	4.9	10040	2021-11-29T21:37:54	4.4
2210	2021-11-03T08:36:29	10.0	4821	2021-11-12T00:51:58	9.8	7431	2021-11-20T18:57:25	5.0	10041	2021-11-29T21:42:53	4.3
2211	2021-11-03T08:41:29	10.5	4822	2021-11-12T00:56:58	10.3	7432	2021-11-20T19:02:25	5.2	10042	2021-11-29T21:43:00	nan
2212	2021-11-03T08:46:29	10.1	4823	2021-11-12T01:01:57	10.2	7433	2021-11-20T19:07:24	5.3	10043	2021-11-29T21:47:53	4.6
2213	2021-11-03T08:51:29	9.3	4824	2021-11-12T01:06:57	9.9	7434	2021-11-20T19:12:25	5.2	10044	2021-11-29T21:52:54	4.9
2214	2021-11-03T08:56:29	9.2	4825	2021-11-12T01:11:57	9.8	7435	2021-11-20T19:17:25	5.1	10045	2021-11-29T21:57:54	5.2
2215	2021-11-03T09:01:29	9.8	4826	2021-11-12T01:16:57	9.7	7436	2021-11-20T19:22:25	4.9	10046	2021-11-29T22:02:54	5.2
2216	2021-11-03T09:06:28	9.8	4827	2021-11-12T01:21:56	9.8	7437	2021-11-20T19:27:24	4.6	10047	2021-11-29T22:07:54	5.1
2217	2021-11-03T09:11:31	9.9	4828	2021-11-12T01:26:57	9.9	7438	2021-11-20T19:32:25	4.4	10048	2021-11-29T22:12:54	5.1
2218	2021-11-03T09:16:29	9.5	4829	2021-11-12T01:31:57	10.0	7439	2021-11-20T19:37:25	4.3	10049	2021-11-29T22:17:54	5.2
2219	2021-11-03T09:21:29	9.3	4830	2021-11-12T01:36:57	9.8	7440	2021-11-20T19:42:25	4.1	10050	2021-11-29T22:22:54	5.3
2220	2021-11-03T09:22:00	nan	4831	2021-11-12T01:41:56	9.7	7441	2021-11-20T19:47:25	3.9	10051	2021-11-29T22:27:54	5.4
2221	2021-11-03T09:26:29	9.2	4832	2021-11-12T01:46:57	9.5	7442	2021-11-20T19:50:00	nan	10052	2021-11-29T22:32:54	5.7
2222	2021-11-03T09:31:29	9.3	4833	2021-11-12T01:51:57	9.4	7443	2021-11-20T19:52:25	3.6	10053	2021-11-29T22:37:54	5.8
2223	2021-11-03T09:36:29	8.9	4834	2021-11-12T01:56:57	9.3	7444	2021-11-20T19:57:25	3.4	10054	2021-11-29T22:42:54	5.9
2224	2021-11-03T09:41:30	8.3	4835	2021-11-12T02:01:57	9.2	7445	2021-11-20T20:02:25	3.3	10055	2021-11-29T22:47:53	6.1
2225	2021-11-03T09:46:29	7.3	4836	2021-11-12T02:06:56	9.0	7446	2021-11-20T20:06:00	nan	10056	2021-11-29T22:52:54	6.4
2226	2021-11-03T09:51:29	5.6	4837	2021-11-12T02:11:57	8.8	7447	2021-11-20T20:07:24	3.2	10057	2021-11-29T22:57:54	6.4
2227	2021-11-03T09:56:29	5.2	4838	2021-11-12T02:16:57	8.8	7448	2021-11-20T20:12:24	3.5	10058	2021-11-29T23:02:54	6.8
2228	2021-11-03T10:01:29	4.9	4839	2021-11-12T02:21:57	9.3	7449	2021-11-20T20:17:24	4.1	10059	2021-11-29T23:07:54	6.9
2229	2021-11-03T10:06:30	5.0	4840	2021-11-12T02:26:57	9.2	7450	2021-11-20T20:22:25	4.6	10060	2021-11-29T23:10:00	nan
2230	2021-11-03T10:11:31	4.8	4841	2021-11-12T02:31:57	9.1	7451	2021-11-20T20:27:24	4.9	10061	2021-11-29T23:12:54	6.7
2231	2021-11-03T10:16:29	4.8	4842	2021-11-12T02:36:57	8.9	7452	2021-11-20T20:32:25	5.3	10062	2021-11-29T23:17:53	6.7
2232	2021-11-03T10:21:29	4.9	4843	2021-11-12T02:41:57	8.7	7453	2021-11-20T20:37:24	5.8	10063	2021-11-29T23:22:55	6.9
2233	2021-11-03T10:26:29	5.2	4844	2021-11-12T02:46:56	8.6	7454	2021-11-20T20:42:24	6.3	10064	2021-11-29T23:27:54	7.2
2234	2021-11-03T10:31:31	5.4	4845	2021-11-12T02:51:57	8.5	7455	2021-11-20T20:47:25	6.8	10065	2021-11-29T23:32:54	7.8
2235	2021-11-03T10:36:29	5.2	4846	2021-11-12T02:56:57	8.4	7456	2021-11-20T20:52:25	7.2	10066	2021-11-29T23:37:54	8.2
2236	2021-11-03T10:41:29	5.3	4847	2021-11-12T03:01:57	8.3	7457	2021-11-20T20:57:24	7.3	10067	2021-11-29T23:41:00	nan
2237	2021-11-03T10:46:29	5.1	4848	2021-11-12T03:06:57	8.0	7458	2021-11-20T21:02:24	7.5	10068	2021-11-29T23:42:55	9.1
2238	2021-11-03T10:51:29	4.8	4849	2021-11-12T03:11:57	7.7	7459	2021-11-20T21:07:25	7.5	10069	2021-11-29T23:47:54	9.4

2239	2021-11-03T10:56:29	4.8	**4850**	2021-11-12T03:16:58	7.5	**7460**	2021-11-20T21:12:24	7.6	**10070**	2021-11-29T23:52:54	9.9
2240	2021-11-03T11:01:29	4.8	**4851**	2021-11-12T03:21:57	7.4	**7461**	2021-11-20T21:17:25	7.7	**10071**	2021-11-29T23:57:54	10.2
2241	2021-11-03T11:04:00	nan	**4852**	2021-11-12T03:26:57	7.2	**7462**	2021-11-20T21:22:25	8.0	**10072**	2021-11-30T00:02:54	10.7
2242	2021-11-03T11:06:29	4.7	**4853**	2021-11-12T03:31:57	7.4	**7463**	2021-11-20T21:27:24	8.3	**10073**	2021-11-30T00:07:54	11.5
2243	2021-11-03T11:11:31	4.6	**4854**	2021-11-12T03:36:57	7.4	**7464**	2021-11-20T21:32:25	8.5	**10074**	2021-11-30T00:12:54	11.7
2244	2021-11-03T11:16:29	4.7	**4855**	2021-11-12T03:41:58	7.3	**7465**	2021-11-20T21:37:00	nan	**10075**	2021-11-30T00:17:54	11.2
2245	2021-11-03T11:21:30	5.5	**4856**	2021-11-12T03:46:57	7.1	**7466**	2021-11-20T21:37:25	8.7	**10076**	2021-11-30T00:22:55	11.2
2246	2021-11-03T11:26:29	5.9	**4857**	2021-11-12T03:51:57	7.0	**7467**	2021-11-20T21:42:24	8.8	**10077**	2021-11-30T00:27:54	11.8
2247	2021-11-03T11:31:29	6.5	**4858**	2021-11-12T03:56:57	6.9	**7468**	2021-11-20T21:47:25	9.0	**10078**	2021-11-30T00:32:54	11.7
2248	2021-11-03T11:36:29	6.6	**4859**	2021-11-12T04:01:57	6.9	**7469**	2021-11-20T21:52:25	9.2	**10079**	2021-11-30T00:37:54	11.2
2249	2021-11-03T11:41:29	7.2	**4860**	2021-11-12T04:06:57	6.8	**7470**	2021-11-20T21:57:25	9.4	**10080**	2021-11-30T00:42:54	10.7
2250	2021-11-03T11:46:29	7.5	**4861**	2021-11-12T04:11:58	6.8	**7471**	2021-11-20T22:02:25	9.7	**10081**	2021-11-30T00:47:54	9.9
2251	2021-11-03T11:51:29	7.5	**4862**	2021-11-12T04:16:56	6.6	**7472**	2021-11-20T22:07:25	9.7	**10082**	2021-11-30T00:52:54	9.3
2252	2021-11-03T11:56:30	7.3	**4863**	2021-11-12T04:21:56	6.6	**7473**	2021-11-20T22:12:25	9.7	**10083**	2021-11-30T00:57:54	9.0
2253	2021-11-03T12:01:29	6.8	**4864**	2021-11-12T04:26:57	6.5	**7474**	2021-11-20T22:17:25	9.8	**10084**	2021-11-30T01:02:55	8.9
2254	2021-11-03T12:06:30	6.7	**4865**	2021-11-12T04:31:57	6.4	**7475**	2021-11-20T22:22:26	9.8	**10085**	2021-11-30T01:07:54	8.9
2255	2021-11-03T12:11:30	6.9	**4866**	2021-11-12T04:36:58	6.4	**7476**	2021-11-20T22:23:00	nan	**10086**	2021-11-30T01:12:55	9.0
2256	2021-11-03T12:16:30	6.9	**4867**	2021-11-12T04:41:57	6.3	**7477**	2021-11-20T22:27:26	9.8	**10087**	2021-11-30T01:17:54	9.3
2257	2021-11-03T12:21:30	7.3	**4868**	2021-11-12T04:46:57	6.3	**7478**	2021-11-20T22:32:25	9.9	**10088**	2021-11-30T01:22:55	9.2
2258	2021-11-03T12:26:30	7.1	**4869**	2021-11-12T04:51:57	5.9	**7479**	2021-11-20T22:37:25	10.0	**10089**	2021-11-30T01:27:55	8.9
2259	2021-11-03T12:31:29	7.0	**4870**	2021-11-12T04:56:57	5.8	**7480**	2021-11-20T22:42:25	10.1	**10090**	2021-11-30T01:32:55	8.4
2260	2021-11-03T12:36:29	6.9	**4871**	2021-11-12T05:01:58	5.8	**7481**	2021-11-20T22:47:25	10.0	**10091**	2021-11-30T01:37:55	8.4
2261	2021-11-03T12:41:00	nan	**4872**	2021-11-12T05:06:57	5.7	**7482**	2021-11-20T22:52:26	10.0	**10092**	2021-11-30T01:42:55	8.1
2262	2021-11-03T12:41:00	nan	**4873**	2021-11-12T05:11:57	5.7	**7483**	2021-11-20T22:57:25	10.0	**10093**	2021-11-30T01:47:55	8.3
2263	2021-11-03T12:41:30	6.9	**4874**	2021-11-12T05:16:57	5.7	**7484**	2021-11-20T23:02:25	9.9	**10094**	2021-11-30T01:52:54	7.5
2264	2021-11-03T12:46:30	6.9	**4875**	2021-11-12T05:21:58	5.4	**7485**	2021-11-20T23:07:25	9.7	**10095**	2021-11-30T01:57:55	8.4
2265	2021-11-03T12:51:31	6.8	**4876**	2021-11-12T05:26:57	4.7	**7486**	2021-11-20T23:12:26	9.5	**10096**	2021-11-30T02:02:55	8.6
2266	2021-11-03T12:56:30	6.7	**4877**	2021-11-12T05:31:57	4.6	**7487**	2021-11-20T23:17:25	9.4	**10097**	2021-11-30T02:07:55	9.0
2267	2021-11-03T13:01:30	6.7	**4878**	2021-11-12T05:36:57	4.6	**7488**	2021-11-20T23:22:25	9.3	**10098**	2021-11-30T02:12:54	9.3
2268	2021-11-03T13:06:30	6.4	**4879**	2021-11-12T05:41:57	4.8	**7489**	2021-11-20T23:27:25	9.3	**10099**	2021-11-30T02:17:55	9.4
2269	2021-11-03T13:11:31	5.4	**4880**	2021-11-12T05:46:57	5.0	**7490**	2021-11-20T23:32:25	9.2	**10100**	2021-11-30T02:22:55	9.9
2270	2021-11-03T13:16:30	4.4	**4881**	2021-11-12T05:51:57	4.9	**7491**	2021-11-20T23:37:26	9.1	**10101**	2021-11-30T02:27:54	10.5
2271	2021-11-03T13:21:30	3.6	**4882**	2021-11-12T05:56:57	4.7	**7492**	2021-11-20T23:42:25	9.0	**10102**	2021-11-30T02:32:54	11.1
2272	2021-11-03T13:26:30	3.5	**4883**	2021-11-12T06:01:58	4.6	**7493**	2021-11-20T23:47:25	8.9	**10103**	2021-11-30T02:37:54	11.7
2273	2021-11-03T13:31:29	3.6	**4884**	2021-11-12T06:06:57	4.5	**7494**	2021-11-20T23:52:25	8.6	**10104**	2021-11-30T02:42:54	11.9
2274	2021-11-03T13:36:29	3.6	**4885**	2021-11-12T06:11:58	4.4	**7495**	2021-11-20T23:57:26	8.5	**10105**	2021-11-30T02:47:55	12.3
2275	2021-11-03T13:41:30	4.1	**4886**	2021-11-12T06:16:58	4.4	**7496**	2021-11-21T00:02:25	8.3	**10106**	2021-11-30T02:52:55	12.7
2276	2021-11-03T13:46:30	4.8	**4887**	2021-11-12T06:21:58	4.1	**7497**	2021-11-21T00:07:26	8.2	**10107**	2021-11-30T02:57:55	13.1
2277	2021-11-03T13:51:30	4.9	**4888**	2021-11-12T06:26:57	3.9	**7498**	2021-11-21T00:12:25	8.0	**10108**	2021-11-30T03:02:55	13.5
2278	2021-11-03T13:56:30	4.7	**4889**	2021-11-12T06:31:57	3.7	**7499**	2021-11-21T00:17:25	7.9	**10109**	2021-11-30T03:07:55	13.5
2279	2021-11-03T14:01:31	4.8	**4890**	2021-11-12T06:36:57	3.7	**7500**	2021-11-21T00:22:26	7.8	**10110**	2021-11-30T03:12:54	13.4
2280	2021-11-03T14:06:30	4.8	**4891**	2021-11-12T06:41:57	4.1	**7501**	2021-11-21T00:27:25	7.5	**10111**	2021-11-30T03:17:54	13.4
2281	2021-11-03T14:11:31	5.1	**4892**	2021-11-12T06:46:57	3.8	**7502**	2021-11-21T00:32:26	7.5	**10112**	2021-11-30T03:22:55	13.4
2282	2021-11-03T14:16:30	4.8	**4893**	2021-11-12T06:51:58	3.5	**7503**	2021-11-21T00:35:00	nan	**10113**	2021-11-30T03:27:54	13.3
2283	2021-11-03T14:19:00	nan	**4894**	2021-11-12T06:55:00	nan	**7504**	2021-11-21T00:37:25	7.4	**10114**	2021-11-30T03:32:54	12.4
2284	2021-11-03T14:21:29	4.5	**4895**	2021-11-12T06:56:57	3.5	**7505**	2021-11-21T00:42:26	7.4	**10115**	2021-11-30T03:37:54	12.5
2285	2021-11-03T14:26:30	4.6	**4896**	2021-11-12T07:01:58	3.6	**7506**	2021-11-21T00:45:00	nan	**10116**	2021-11-30T03:42:54	12.5
2286	2021-11-03T14:31:30	4.8	**4897**	2021-11-12T07:06:57	3.6	**7507**	2021-11-21T00:47:25	7.3	**10117**	2021-11-30T03:47:54	12.9
2287	2021-11-03T14:36:30	5.1	**4898**	2021-11-12T07:11:57	3.4	**7508**	2021-11-21T00:52:26	7.3	**10118**	2021-11-30T03:52:54	13.2
2288	2021-11-03T14:41:30	5.2	**4899**	2021-11-12T07:16:57	3.4	**7509**	2021-11-21T00:57:26	7.5	**10119**	2021-11-30T03:57:54	13.4
2289	2021-11-03T14:46:31	5.3	**4900**	2021-11-12T07:21:57	4.0	**7510**	2021-11-21T01:02:25	8.0	**10120**	2021-11-30T04:02:54	13.4
2290	2021-11-03T14:51:31	4.2	**4901**	2021-11-12T07:26:57	5.3	**7511**	2021-11-21T01:07:26	8.7	**10121**	2021-11-30T04:07:54	13.4
2291	2021-11-03T14:56:31	3.9	**4902**	2021-11-12T07:31:57	6.1	**7512**	2021-11-21T01:12:25	9.4	**10122**	2021-11-30T04:12:54	13.4
2292	2021-11-03T15:01:30	4.3	**4903**	2021-11-12T07:36:58	6.4	**7513**	2021-11-21T01:17:25	9.9	**10123**	2021-11-30T04:17:54	13.6
2293	2021-11-03T15:06:31	5.3	**4904**	2021-11-12T07:38:00	nan	**7514**	2021-11-21T01:22:25	10.3	**10124**	2021-11-30T04:22:56	13.7

2294	2021-11-03T15:11:32	5.9	4905	2021-11-12T07:41:57	6.7	7515	2021-11-21T01:27:25	10.9	10125	2021-11-30T04:27:54	12.3
2295	2021-11-03T15:16:30	6.3	4906	2021-11-12T07:46:58	6.5	7516	2021-11-21T01:32:25	11.4	10126	2021-11-30T04:32:54	12.5
2296	2021-11-03T15:21:30	6.7	4907	2021-11-12T07:51:58	6.4	7517	2021-11-21T01:37:25	11.9	10127	2021-11-30T04:37:55	12.3
2297	2021-11-03T15:26:30	7.3	4908	2021-11-12T07:56:58	6.2	7518	2021-11-21T01:42:25	12.3	10128	2021-11-30T04:42:55	12.3
2298	2021-11-03T15:31:31	7.6	4909	2021-11-12T08:01:58	5.9	7519	2021-11-21T01:47:25	12.9	10129	2021-11-30T04:47:56	12.5
2299	2021-11-03T15:36:31	8.0	4910	2021-11-12T08:06:58	5.7	7520	2021-11-21T01:52:26	13.2	10130	2021-11-30T04:52:55	12.3
2300	2021-11-03T15:41:30	8.5	4911	2021-11-12T08:11:58	5.7	7521	2021-11-21T01:54:00	nan	10131	2021-11-30T04:57:56	12.2
2301	2021-11-03T15:46:31	9.2	4912	2021-11-12T08:16:58	5.8	7522	2021-11-21T01:57:25	13.4	10132	2021-11-30T05:02:55	12.2
2302	2021-11-03T15:51:30	9.8	4913	2021-11-12T08:21:58	5.9	7523	2021-11-21T02:02:26	13.5	10133	2021-11-30T05:07:55	12.2
2303	2021-11-03T15:56:31	10.3	4914	2021-11-12T08:26:58	6.2	7524	2021-11-21T02:07:26	13.7	10134	2021-11-30T05:12:55	11.9
2304	2021-11-03T16:01:30	11.0	4915	2021-11-12T08:31:58	6.2	7525	2021-11-21T02:12:25	13.9	10135	2021-11-30T05:17:55	12.7
2305	2021-11-03T16:06:31	11.9	4916	2021-11-12T08:36:57	6.2	7526	2021-11-21T02:17:25	14.0	10136	2021-11-30T05:22:56	12.4
2306	2021-11-03T16:08:00	nan	4917	2021-11-12T08:41:58	6.1	7527	2021-11-21T02:22:25	14.0	10137	2021-11-30T05:27:55	12.2
2307	2021-11-03T16:11:32	12.5	4918	2021-11-12T08:43:00	nan	7528	2021-11-21T02:27:25	14.0	10138	2021-11-30T05:32:55	11.9
2308	2021-11-03T16:16:30	13.0	4919	2021-11-12T08:46:59	5.9	7529	2021-11-21T02:32:26	14.1	10139	2021-11-30T05:37:55	11.8
2309	2021-11-03T16:21:31	14.0	4920	2021-11-12T08:51:58	5.8	7530	2021-11-21T02:37:25	14.2	10140	2021-11-30T05:42:55	11.3
2310	2021-11-03T16:26:30	14.6	4921	2021-11-12T08:56:58	5.8	7531	2021-11-21T02:42:25	14.2	10141	2021-11-30T05:47:55	11.9
2311	2021-11-03T16:31:30	14.9	4922	2021-11-12T09:01:58	5.9	7532	2021-11-21T02:47:26	14.1	10142	2021-11-30T05:52:54	11.9
2312	2021-11-03T16:35:00	nan	4923	2021-11-12T09:06:58	6.4	7533	2021-11-21T02:52:25	13.9	10143	2021-11-30T05:57:54	12.0
2313	2021-11-03T16:36:31	15.4	4924	2021-11-12T09:11:58	6.8	7534	2021-11-21T02:57:26	13.3	10144	2021-11-30T06:02:55	12.1
2314	2021-11-03T16:41:31	16.4	4925	2021-11-12T09:16:58	7.0	7535	2021-11-21T03:02:25	13.4	10145	2021-11-30T06:07:55	10.8
2315	2021-11-03T16:46:30	17.5	4926	2021-11-12T09:21:58	7.2	7536	2021-11-21T03:07:26	13.4	10146	2021-11-30T06:12:55	10.7
2316	2021-11-03T16:51:31	18.3	4927	2021-11-12T09:26:58	7.3	7537	2021-11-21T03:12:25	13.5	10147	2021-11-30T06:17:55	11.6
2317	2021-11-03T16:56:30	18.8	4928	2021-11-12T09:31:58	7.3	7538	2021-11-21T03:13:00	nan	10148	2021-11-30T06:22:56	11.7
2318	2021-11-03T17:01:30	19.4	4929	2021-11-12T09:36:58	7.3	7539	2021-11-21T03:17:25	13.3	10149	2021-11-30T06:27:55	11.8
2319	2021-11-03T17:06:31	19.5	4930	2021-11-12T09:41:58	7.4	7540	2021-11-21T03:22:25	13.2	10150	2021-11-30T06:32:55	11.1
2320	2021-11-03T17:11:00	nan	4931	2021-11-12T09:46:58	7.8	7541	2021-11-21T03:27:26	12.8	10151	2021-11-30T06:37:55	10.8
2321	2021-11-03T17:11:30	20.2	4932	2021-11-12T09:51:58	8.2	7542	2021-11-21T03:32:25	12.4	10152	2021-11-30T06:42:55	11.2
2322	2021-11-03T17:16:30	20.3	4933	2021-11-12T09:56:58	8.2	7543	2021-11-21T03:37:26	12.0	10153	2021-11-30T06:47:55	9.8
2323	2021-11-03T17:21:30	20.5	4934	2021-11-12T10:01:58	8.3	7544	2021-11-21T03:42:25	11.8	10154	2021-11-30T06:52:55	8.5
2324	2021-11-03T17:26:30	20.7	4935	2021-11-12T10:06:58	8.5	7545	2021-11-21T03:47:26	11.7	10155	2021-11-30T06:57:55	7.9
2325	2021-11-03T17:31:30	21.0	4936	2021-11-12T10:11:58	8.7	7546	2021-11-21T03:52:25	11.4	10156	2021-11-30T07:02:55	7.0
2326	2021-11-03T17:36:31	20.9	4937	2021-11-12T10:16:58	8.7	7547	2021-11-21T03:57:25	11.3	10157	2021-11-30T07:07:55	6.7
2327	2021-11-03T17:41:30	20.0	4938	2021-11-12T10:21:58	8.6	7548	2021-11-21T04:02:26	11.2	10158	2021-11-30T07:12:55	7.3
2328	2021-11-03T17:46:30	18.0	4939	2021-11-12T10:26:57	8.5	7549	2021-11-21T04:07:26	11.1	10159	2021-11-30T07:17:54	8.3
2329	2021-11-03T17:51:30	18.1	4940	2021-11-12T10:31:57	8.5	7550	2021-11-21T04:12:25	11.0	10160	2021-11-30T07:22:56	9.0
2330	2021-11-03T17:56:30	15.4	4941	2021-11-12T10:36:58	8.5	7551	2021-11-21T04:17:26	10.8	10161	2021-11-30T08:02:55	11.4
2331	2021-11-03T18:01:30	12.3	4942	2021-11-12T10:41:58	8.4	7552	2021-11-21T04:22:26	10.4	10162	2021-11-30T08:07:55	11.2
2332	2021-11-03T18:06:30	9.4	4943	2021-11-12T10:46:58	8.4	7553	2021-11-21T04:27:25	10.4	10163	2021-11-30T08:12:55	10.7
2333	2021-11-03T18:11:32	5.7	4944	2021-11-12T10:51:58	8.3	7554	2021-11-21T04:32:25	10.3	10164	2021-11-30T08:17:56	10.3
2334	2021-11-03T18:16:31	5.1	4945	2021-11-12T10:56:57	8.3	7555	2021-11-21T04:37:26	10.3	10165	2021-11-30T08:22:56	10.2
2335	2021-11-03T18:21:31	3.9	4946	2021-11-12T11:01:58	8.3	7556	2021-11-21T04:42:25	10.2	10166	2021-11-30T08:27:56	10.2
2336	2021-11-03T18:26:31	3.7	4947	2021-11-12T11:06:58	8.2	7557	2021-11-21T04:47:25	10.1	10167	2021-11-30T08:32:56	10.4
2337	2021-11-03T18:31:32	3.9	4948	2021-11-12T11:11:58	7.9	7558	2021-11-21T04:52:25	10.0	10168	2021-11-30T08:37:56	10.6
2338	2021-11-03T18:36:30	4.7	4949	2021-11-12T11:16:58	7.8	7559	2021-11-21T04:57:25	9.9	10169	2021-11-30T08:42:56	10.7
2339	2021-11-03T18:41:32	4.7	4950	2021-11-12T11:21:58	7.7	7560	2021-11-21T05:02:26	9.7	10170	2021-11-30T08:47:56	10.5
2340	2021-11-03T18:46:30	5.0	4951	2021-11-12T11:26:58	7.7	7561	2021-11-21T05:07:26	9.3	10171	2021-11-30T08:52:55	10.8
2341	2021-11-03T18:51:32	5.2	4952	2021-11-12T11:29:00	nan	7562	2021-11-21T05:12:26	8.9	10172	2021-11-30T08:57:55	10.6
2342	2021-11-03T18:56:30	5.3	4953	2021-11-12T11:31:59	7.5	7563	2021-11-21T05:17:27	8.5	10173	2021-11-30T08:59:00	nan
2343	2021-11-03T19:01:30	5.6	4954	2021-11-12T11:36:58	7.3	7564	2021-11-21T05:22:26	8.3	10174	2021-11-30T08:59:00	nan
2344	2021-11-03T19:06:30	5.9	4955	2021-11-12T11:41:59	7.3	7565	2021-11-21T05:27:26	7.0	10175	2021-11-30T09:02:56	10.0
2345	2021-11-03T19:11:31	6.2	4956	2021-11-12T11:46:59	7.2	7566	2021-11-21T05:32:25	7.2	10176	2021-11-30T09:07:56	10.0
2346	2021-11-03T19:16:31	6.5	4957	2021-11-12T11:51:59	7.0	7567	2021-11-21T05:37:25	7.2	10177	2021-11-30T09:12:55	9.8
2347	2021-11-03T19:21:31	7.0	4958	2021-11-12T11:56:58	6.8	7568	2021-11-21T05:42:26	7.2	10178	2021-11-30T09:17:55	9.7
2348	2021-11-03T19:26:32	7.5	4959	2021-11-12T12:01:58	6.5	7569	2021-11-21T05:47:26	7.1	10179	2021-11-30T09:22:56	9.5

2349	2021-11-03T19:31:31	8.0	**4960**	2021-11-12T12:06:58	6.2	**7570**	2021-11-21T05:52:26	7.0	**10180**	2021-11-30T09:27:56	9.4
2350	2021-11-03T19:36:30	8.9	**4961**	2021-11-12T12:11:58	6.0	**7571**	2021-11-21T05:57:26	7.1	**10181**	2021-11-30T09:32:56	9.0
2351	2021-11-03T19:41:31	9.5	**4962**	2021-11-12T12:16:59	5.7	**7572**	2021-11-21T06:02:26	7.2	**10182**	2021-11-30T09:37:56	8.2
2352	2021-11-03T19:46:30	9.6	**4963**	2021-11-12T12:21:59	5.3	**7573**	2021-11-21T06:07:26	7.2	**10183**	2021-11-30T09:42:56	7.3
2353	2021-11-03T19:51:31	10.4	**4964**	2021-11-12T12:26:58	5.0	**7574**	2021-11-21T06:12:25	7.3	**10184**	2021-11-30T09:47:55	6.0
2354	2021-11-03T19:56:30	11.0	**4965**	2021-11-12T12:31:58	4.7	**7575**	2021-11-21T06:17:25	7.3	**10185**	2021-11-30T09:52:57	5.2
2355	2021-11-03T20:01:31	11.3	**4966**	2021-11-12T12:35:00	nan	**7576**	2021-11-21T06:22:25	7.4	**10186**	2021-11-30T09:57:55	4.7
2356	2021-11-03T20:06:31	11.7	**4967**	2021-11-12T12:36:58	4.4	**7577**	2021-11-21T06:27:26	7.5	**10187**	2021-11-30T10:02:55	4.5
2357	2021-11-03T20:11:31	11.9	**4968**	2021-11-12T12:41:59	4.2	**7578**	2021-11-21T06:32:26	7.5	**10188**	2021-11-30T10:07:55	4.5
2358	2021-11-03T20:16:31	10.8	**4969**	2021-11-12T12:46:58	4.0	**7579**	2021-11-21T06:37:26	7.3	**10189**	2021-11-30T10:12:56	4.5
2359	2021-11-03T20:21:32	9.2	**4970**	2021-11-12T12:51:58	3.8	**7580**	2021-11-21T06:42:26	7.4	**10190**	2021-11-30T10:17:56	4.3
2360	2021-11-03T20:26:31	7.6	**4971**	2021-11-12T12:56:00	nan	**7581**	2021-11-21T06:47:26	7.7	**10191**	2021-11-30T10:22:57	3.9
2361	2021-11-03T20:31:31	6.3	**4972**	2021-11-12T12:56:58	3.9	**7582**	2021-11-21T06:52:25	7.3	**10192**	2021-11-30T10:27:56	4.0
2362	2021-11-03T20:36:31	5.2	**4973**	2021-11-12T13:01:58	4.1	**7583**	2021-11-21T06:57:25	8.5	**10193**	2021-11-30T10:32:55	4.3
2363	2021-11-03T20:41:31	4.3	**4974**	2021-11-12T13:06:59	4.4	**7584**	2021-11-21T07:02:26	8.2	**10194**	2021-11-30T10:37:56	4.5
2364	2021-11-03T20:46:31	3.8	**4975**	2021-11-12T13:11:59	4.9	**7585**	2021-11-21T07:07:27	7.8	**10195**	2021-11-30T10:42:56	4.7
2365	2021-11-03T20:51:31	3.7	**4976**	2021-11-12T13:16:58	5.4	**7586**	2021-11-21T07:12:26	7.5	**10196**	2021-11-30T10:47:55	4.5
2366	2021-11-03T20:56:31	3.5	**4977**	2021-11-12T13:21:58	6.3	**7587**	2021-11-21T07:17:26	7.3	**10197**	2021-11-30T10:52:56	4.4
2367	2021-11-03T21:01:31	3.4	**4978**	2021-11-12T13:26:58	6.7	**7588**	2021-11-21T07:22:26	7.2	**10198**	2021-11-30T10:57:56	4.4
2368	2021-11-03T21:06:31	3.6	**4979**	2021-11-12T13:31:58	6.8	**7589**	2021-11-21T07:27:26	7.0	**10199**	2021-11-30T11:02:56	4.6
2369	2021-11-03T21:11:32	3.7	**4980**	2021-11-12T13:36:58	6.8	**7590**	2021-11-21T07:32:26	6.9	**10200**	2021-11-30T11:07:00	nan
2370	2021-11-03T21:16:31	3.2	**4981**	2021-11-12T13:41:58	6.7	**7591**	2021-11-21T07:37:26	7.0	**10201**	2021-11-30T11:07:00	nan
2371	2021-11-03T21:21:31	2.8	**4982**	2021-11-12T13:46:58	6.7	**7592**	2021-11-21T07:42:26	7.2	**10202**	2021-11-30T11:07:56	4.7
2372	2021-11-03T21:25:00	nan	**4983**	2021-11-12T13:51:58	6.8	**7593**	2021-11-21T07:47:27	7.4	**10203**	2021-11-30T11:12:56	4.8
2373	2021-11-03T21:26:31	2.8	**4984**	2021-11-12T13:56:59	6.5	**7594**	2021-11-21T07:52:26	7.5	**10204**	2021-11-30T11:17:56	5.0
2374	2021-11-03T21:31:31	2.9	**4985**	2021-11-12T14:01:58	6.3	**7595**	2021-11-21T07:57:26	7.5	**10205**	2021-11-30T11:22:57	5.6
2375	2021-11-03T21:36:31	3.3	**4986**	2021-11-12T14:06:58	6.0	**7596**	2021-11-21T08:02:26	7.6	**10206**	2021-11-30T11:27:56	5.9
2376	2021-11-03T21:41:31	3.7	**4987**	2021-11-12T14:11:58	5.8	**7597**	2021-11-21T08:07:26	7.6	**10207**	2021-11-30T11:32:56	6.2
2377	2021-11-03T21:46:31	3.6	**4988**	2021-11-12T14:16:58	5.7	**7598**	2021-11-21T08:12:26	7.7	**10208**	2021-11-30T11:37:56	6.6
2378	2021-11-03T21:51:31	3.5	**4989**	2021-11-12T14:21:58	5.4	**7599**	2021-11-21T08:17:26	7.8	**10209**	2021-11-30T11:38:00	nan
2379	2021-11-03T21:53:00	nan	**4990**	2021-11-12T14:26:58	5.3	**7600**	2021-11-21T08:22:27	7.8	**10210**	2021-11-30T11:39:00	nan
2380	2021-11-03T21:56:31	3.5	**4991**	2021-11-12T14:31:59	5.3	**7601**	2021-11-21T08:27:26	7.8	**10211**	2021-11-30T11:42:56	7.0
2381	2021-11-03T22:01:31	3.7	**4992**	2021-11-12T14:36:58	5.3	**7602**	2021-11-21T08:32:26	7.9	**10212**	2021-11-30T11:47:56	7.4
2382	2021-11-03T22:06:31	3.6	**4993**	2021-11-12T14:41:58	5.1	**7603**	2021-11-21T08:37:26	7.9	**10213**	2021-11-30T11:52:57	7.9
2383	2021-11-03T22:11:32	3.0	**4994**	2021-11-12T14:46:58	4.8	**7604**	2021-11-21T08:42:27	7.8	**10214**	2021-11-30T11:57:55	8.7
2384	2021-11-03T22:16:30	3.4	**4995**	2021-11-12T14:51:59	4.8	**7605**	2021-11-21T08:47:26	7.5	**10215**	2021-11-30T12:02:56	8.7
2385	2021-11-03T22:21:30	3.7	**4996**	2021-11-12T14:56:58	4.8	**7606**	2021-11-21T08:52:27	6.0	**10216**	2021-11-30T12:07:55	8.0
2386	2021-11-03T22:26:30	3.3	**4997**	2021-11-12T15:01:59	5.0	**7607**	2021-11-21T08:57:27	6.9	**10217**	2021-11-30T12:12:56	6.9
2387	2021-11-03T22:28:00	nan	**4998**	2021-11-12T15:05:00	nan	**7608**	2021-11-21T09:02:26	6.9	**10218**	2021-11-30T12:17:57	6.2
2388	2021-11-03T22:31:30	2.9	**4999**	2021-11-12T15:06:58	5.1	**7609**	2021-11-21T09:07:26	7.2	**10219**	2021-11-30T12:22:57	5.6
2389	2021-11-03T22:36:31	3.1	**5000**	2021-11-12T15:11:58	5.1	**7610**	2021-11-21T09:12:26	7.7	**10220**	2021-11-30T12:27:56	5.4
2390	2021-11-03T22:41:30	3.6	**5001**	2021-11-12T15:16:59	4.8	**7611**	2021-11-21T09:17:25	8.2	**10221**	2021-11-30T12:32:56	5.3
2391	2021-11-03T22:46:31	3.6	**5002**	2021-11-12T15:21:59	4.5	**7612**	2021-11-21T09:22:26	8.3	**10222**	2021-11-30T12:37:55	5.2
2392	2021-11-03T22:51:30	3.8	**5003**	2021-11-12T15:26:59	3.9	**7613**	2021-11-21T09:27:26	8.9	**10223**	2021-11-30T12:42:57	5.1
2393	2021-11-03T22:56:30	3.8	**5004**	2021-11-12T15:31:59	4.4	**7614**	2021-11-21T09:32:25	8.9	**10224**	2021-11-30T12:47:56	5.1
2394	2021-11-03T23:01:31	4.7	**5005**	2021-11-12T15:36:59	4.4	**7615**	2021-11-21T09:37:26	8.9	**10225**	2021-11-30T12:52:56	4.9
2395	2021-11-03T23:06:31	5.0	**5006**	2021-11-12T15:42:00	4.6	**7616**	2021-11-21T09:42:26	8.9	**10226**	2021-11-30T12:57:57	4.7
2396	2021-11-03T23:11:32	4.8	**5007**	2021-11-12T15:46:59	4.8	**7617**	2021-11-21T09:47:26	8.7	**10227**	2021-11-30T13:02:56	4.4
2397	2021-11-03T23:16:30	3.7	**5008**	2021-11-12T15:51:59	5.1	**7618**	2021-11-21T09:52:25	8.4	**10228**	2021-11-30T13:07:55	4.3
2398	2021-11-03T23:21:31	3.5	**5009**	2021-11-12T15:56:59	5.4	**7619**	2021-11-21T09:57:26	8.6	**10229**	2021-11-30T13:12:56	4.2
2399	2021-11-03T23:23:00	nan	**5010**	2021-11-12T16:01:58	5.8	**7620**	2021-11-21T10:02:26	8.8	**10230**	2021-11-30T13:17:55	4.4
2400	2021-11-03T23:26:30	4.5	**5011**	2021-11-12T16:06:58	6.1	**7621**	2021-11-21T10:07:27	8.9	**10231**	2021-11-30T13:22:57	4.4
2401	2021-11-03T23:31:31	5.2	**5012**	2021-11-12T16:11:58	6.3	**7622**	2021-11-21T10:12:27	9.0	**10232**	2021-11-30T13:27:57	4.3
2402	2021-11-03T23:36:31	6.5	**5013**	2021-11-12T16:16:59	6.5	**7623**	2021-11-21T10:17:27	9.0	**10233**	2021-11-30T13:32:57	4.4

2403	2021-11-03T23:41:31	8.2	5014	2021-11-12T16:21:59	7.2	7624	2021-11-21T10:22:26	8.8	10234	2021-11-30T13:37:56	4.3
2404	2021-11-03T23:46:30	9.2	5015	2021-11-12T16:26:58	7.5	7625	2021-11-21T10:27:26	8.8	10235	2021-11-30T13:42:56	4.4
2405	2021-11-03T23:51:30	9.3	5016	2021-11-12T16:31:59	8.4	7626	2021-11-21T10:32:26	8.7	10236	2021-11-30T13:47:56	4.5
2406	2021-11-03T23:56:31	9.1	5017	2021-11-12T16:36:58	9.2	7627	2021-11-21T10:37:26	8.5	10237	2021-11-30T13:52:56	4.7
2407	2021-11-04T00:01:31	10.1	5018	2021-11-12T16:41:59	9.7	7628	2021-11-21T10:42:27	7.7	10238	2021-11-30T13:57:56	5.0
2408	2021-11-04T00:06:31	10.4	5019	2021-11-12T16:47:00	10.2	7629	2021-11-21T10:47:26	7.7	10239	2021-11-30T14:02:56	5.4
2409	2021-11-04T00:11:32	10.4	5020	2021-11-12T16:51:59	10.7	7630	2021-11-21T10:52:27	7.8	10240	2021-11-30T14:07:56	5.6
2410	2021-11-04T00:16:31	10.2	5021	2021-11-12T16:56:59	11.3	7631	2021-11-21T10:57:26	8.0	10241	2021-11-30T14:12:56	5.7
2411	2021-11-04T00:21:31	10.4	5022	2021-11-12T17:01:59	11.8	7632	2021-11-21T11:02:26	8.2	10242	2021-11-30T14:17:56	5.7
2412	2021-11-04T00:26:31	10.8	5023	2021-11-12T17:06:59	12.2	7633	2021-11-21T11:07:26	8.9	10243	2021-11-30T14:22:57	5.7
2413	2021-11-04T00:31:31	11.1	5024	2021-11-12T17:11:58	12.8	7634	2021-11-21T11:12:26	9.2	10244	2021-11-30T14:27:56	5.6
2414	2021-11-04T00:36:31	11.3	5025	2021-11-12T17:16:59	13.1	7635	2021-11-21T11:17:26	9.2	10245	2021-11-30T14:32:56	5.3
2415	2021-11-04T00:41:33	11.6	5026	2021-11-12T17:17:00	nan	7636	2021-11-21T11:22:26	9.2	10246	2021-11-30T14:37:56	5.1
2416	2021-11-04T00:46:31	12.0	5027	2021-11-12T17:17:00	nan	7637	2021-11-21T11:27:26	8.7	10247	2021-11-30T14:42:56	4.9
2417	2021-11-04T00:51:33	12.4	5028	2021-11-12T17:21:59	13.6	7638	2021-11-21T11:32:26	8.8	10248	2021-11-30T14:47:56	5.0
2418	2021-11-04T00:56:31	12.5	5029	2021-11-12T17:26:58	13.9	7639	2021-11-21T11:37:26	8.9	10249	2021-11-30T14:52:57	5.1
2419	2021-11-04T01:01:32	13.2	5030	2021-11-12T17:31:58	14.0	7640	2021-11-21T11:42:26	9.2	10250	2021-11-30T14:57:57	5.2
2420	2021-11-04T01:06:31	14.2	5031	2021-11-12T17:36:59	13.8	7641	2021-11-21T11:47:26	9.0	10251	2021-11-30T15:02:56	5.3
2421	2021-11-04T01:11:31	14.7	5032	2021-11-12T17:41:59	13.4	7642	2021-11-21T11:49:00	nan	10252	2021-11-30T15:07:57	5.3
2422	2021-11-04T01:16:33	14.2	5033	2021-11-12T17:46:59	12.8	7643	2021-11-21T11:52:26	9.5	10253	2021-11-30T15:12:56	5.3
2423	2021-11-04T01:21:31	13.5	5034	2021-11-12T17:52:00	11.8	7644	2021-11-21T11:56:00	nan	10254	2021-11-30T15:17:56	5.2
2424	2021-11-04T01:26:31	13.9	5035	2021-11-12T17:56:58	10.6	7645	2021-11-21T11:57:26	8.9	10255	2021-11-30T15:22:57	5.2
2425	2021-11-04T01:31:31	14.0	5036	2021-11-12T18:01:59	9.1	7646	2021-11-21T12:02:26	8.9	10256	2021-11-30T15:27:56	5.2
2426	2021-11-04T01:36:32	14.4	5037	2021-11-12T18:06:59	7.9	7647	2021-11-21T12:07:27	9.0	10257	2021-11-30T15:32:56	5.1
2427	2021-11-04T01:41:32	14.8	5038	2021-11-12T18:11:59	7.3	7648	2021-11-21T12:12:26	9.2	10258	2021-11-30T15:37:56	4.9
2428	2021-11-04T01:46:31	15.7	5039	2021-11-12T18:16:59	6.5	7649	2021-11-21T12:17:26	9.1	10259	2021-11-30T15:42:56	4.8
2429	2021-11-04T01:51:32	14.7	5040	2021-11-12T18:21:59	6.0	7650	2021-11-21T12:22:26	9.0	10260	2021-11-30T15:43:00	nan
2430	2021-11-04T01:56:32	13.8	5041	2021-11-12T18:26:59	5.5	7651	2021-11-21T12:27:27	9.0	10261	2021-11-30T15:47:56	4.8
2431	2021-11-04T02:01:31	12.7	5042	2021-11-12T18:31:59	5.3	7652	2021-11-21T12:32:27	7.8	10262	2021-11-30T15:52:56	4.9
2432	2021-11-04T02:06:33	12.5	5043	2021-11-12T18:36:59	4.6	7653	2021-11-21T12:37:27	8.8	10263	2021-11-30T15:57:56	5.4
2433	2021-11-04T02:11:33	12.7	5044	2021-11-12T18:41:59	4.2	7654	2021-11-21T12:42:27	8.8	10264	2021-11-30T16:02:56	5.9
2434	2021-11-04T02:16:32	12.9	5045	2021-11-12T18:46:59	3.7	7655	2021-11-21T12:47:27	8.1	10265	2021-11-30T16:07:56	6.5
2435	2021-11-04T02:21:32	13.3	5046	2021-11-12T18:51:00	nan	7656	2021-11-21T12:52:27	8.4	10266	2021-11-30T16:12:56	6.7
2436	2021-11-04T02:26:33	13.9	5047	2021-11-12T18:52:00	3.5	7657	2021-11-21T12:57:27	8.3	10267	2021-11-30T16:17:56	6.8
2437	2021-11-04T02:31:31	13.3	5048	2021-11-12T18:57:00	3.3	7658	2021-11-21T13:02:26	8.4	10268	2021-11-30T16:22:56	6.7
2438	2021-11-04T02:36:31	12.8	5049	2021-11-12T19:01:59	3.2	7659	2021-11-21T13:07:28	8.5	10269	2021-11-30T16:27:56	6.6
2439	2021-11-04T02:41:31	12.6	5050	2021-11-12T19:06:59	3.3	7660	2021-11-21T13:12:27	8.3	10270	2021-11-30T16:32:56	6.4
2440	2021-11-04T02:46:31	12.7	5051	2021-11-12T19:11:59	4.1	7661	2021-11-21T13:17:27	8.3	10271	2021-11-30T16:37:57	6.3
2441	2021-11-04T02:51:31	12.9	5052	2021-11-12T19:16:59	4.7	7662	2021-11-21T13:22:27	8.2	10272	2021-11-30T16:42:57	6.0
2442	2021-11-04T02:56:32	13.4	5053	2021-11-12T19:21:59	5.1	7663	2021-11-21T13:27:27	8.2	10273	2021-11-30T16:47:56	5.9
2443	2021-11-04T03:01:32	13.7	5054	2021-11-12T19:27:00	5.4	7664	2021-11-21T13:32:27	8.2	10274	2021-11-30T16:52:56	5.8
2444	2021-11-04T03:06:31	13.7	5055	2021-11-12T19:31:58	5.5	7665	2021-11-21T13:37:27	8.2	10275	2021-11-30T16:57:56	5.4
2445	2021-11-04T03:11:31	13.5	5056	2021-11-12T19:36:59	5.7	7666	2021-11-21T13:42:27	8.1	10276	2021-11-30T17:02:57	5.2
2446	2021-11-04T03:16:33	13.4	5057	2021-11-12T19:41:59	5.9	7667	2021-11-21T13:43:00	nan	10277	2021-11-30T17:07:57	5.2
2447	2021-11-04T03:21:32	13.3	5058	2021-11-12T19:46:59	6.2	7668	2021-11-21T13:47:27	8.2	10278	2021-11-30T17:12:57	5.1
2448	2021-11-04T03:26:32	14.0	5059	2021-11-12T19:51:59	6.4	7669	2021-11-21T13:52:27	8.2	10279	2021-11-30T17:17:57	5.2
2449	2021-11-04T03:31:32	15.5	5060	2021-11-12T19:56:59	6.7	7670	2021-11-21T13:57:27	8.2	10280	2021-11-30T17:22:57	5.3
2450	2021-11-04T03:36:32	16.0	5061	2021-11-12T20:01:59	6.8	7671	2021-11-21T14:02:27	8.1	10281	2021-11-30T17:27:56	5.5
2451	2021-11-04T03:41:00	nan	5062	2021-11-12T20:07:00	7.2	7672	2021-11-21T14:07:28	7.9	10282	2021-11-30T17:30:00	nan
2452	2021-11-04T03:41:32	15.7	5063	2021-11-12T20:11:59	7.3	7673	2021-11-21T14:12:27	7.7	10283	2021-11-30T17:30:00	nan
2453	2021-11-04T03:46:33	16.2	5064	2021-11-12T20:16:59	7.4	7674	2021-11-21T14:17:27	7.4	10284	2021-11-30T17:32:56	5.5
2454	2021-11-04T03:51:33	15.2	5065	2021-11-12T20:21:59	7.5	7675	2021-11-21T14:22:27	7.2	10285	2021-11-30T17:37:56	5.4
2455	2021-11-04T03:56:32	14.4	5066	2021-11-12T20:26:59	7.4	7676	2021-11-21T14:27:28	7.0	10286	2021-11-30T17:42:56	5.4
2456	2021-11-04T04:01:32	14.4	5067	2021-11-12T20:31:59	7.5	7677	2021-11-21T14:32:27	6.9	10287	2021-11-30T17:47:56	5.3
2457	2021-11-04T04:06:31	14.4	5068	2021-11-12T20:36:59	7.8	7678	2021-11-21T14:37:27	6.6	10288	2021-11-30T17:52:57	5.3

2458	2021-11-04T04:11:32	14.8	**5069**	2021-11-12T20:41:59	8.0	**7679**	2021-11-21T14:42:28	6.9	**10289**	2021-11-30T17:57:57	5.5
2459	2021-11-04T04:16:33	14.3	**5070**	2021-11-12T20:46:59	8.0	**7680**	2021-11-21T14:47:27	6.4	**10290**	2021-11-30T18:02:56	5.6
2460	2021-11-04T04:21:32	13.5	**5071**	2021-11-12T20:51:59	8.2	**7681**	2021-11-21T14:52:00	nan	**10291**	2021-11-30T18:07:56	5.9
2461	2021-11-04T04:26:32	12.9	**5072**	2021-11-12T20:56:59	8.5	**7682**	2021-11-21T14:52:27	6.5	**10292**	2021-11-30T18:12:57	5.9
2462	2021-11-04T04:31:32	12.3	**5073**	2021-11-12T21:02:00	9.1	**7683**	2021-11-21T14:57:27	6.4	**10293**	2021-11-30T18:17:57	5.4
2463	2021-11-04T04:36:33	12.0	**5074**	2021-11-12T21:07:00	9.8	**7684**	2021-11-21T15:01:00	nan	**10294**	2021-11-30T18:22:58	4.8
2464	2021-11-04T04:41:31	11.7	**5075**	2021-11-12T21:12:00	10.4	**7685**	2021-11-21T15:02:27	6.4	**10295**	2021-11-30T18:27:56	4.3
2465	2021-11-04T04:46:32	11.5	**5076**	2021-11-12T21:16:59	10.9	**7686**	2021-11-21T15:07:28	6.3	**10296**	2021-11-30T18:28:00	nan
2466	2021-11-04T04:51:34	11.4	**5077**	2021-11-12T21:22:00	11.5	**7687**	2021-11-21T15:12:27	6.4	**10297**	2021-11-30T18:32:56	4.2
2467	2021-11-04T04:56:31	11.2	**5078**	2021-11-12T21:26:59	11.9	**7688**	2021-11-21T15:17:27	6.5	**10298**	2021-11-30T18:37:57	4.2
2468	2021-11-04T05:01:31	12.7	**5079**	2021-11-12T21:31:59	12.5	**7689**	2021-11-21T15:22:27	6.7	**10299**	2021-11-30T18:42:56	3.9
2469	2021-11-04T05:06:31	13.7	**5080**	2021-11-12T21:37:00	12.9	**7690**	2021-11-21T15:27:27	6.6	**10300**	2021-11-30T18:47:56	4.0
2470	2021-11-04T05:11:33	13.4	**5081**	2021-11-12T21:38:00	nan	**7691**	2021-11-21T15:32:27	6.7	**10301**	2021-11-30T18:52:56	4.3
2471	2021-11-04T05:16:33	12.7	**5082**	2021-11-12T21:42:00	13.4	**7692**	2021-11-21T15:37:27	7.3	**10302**	2021-11-30T18:57:56	4.6
2472	2021-11-04T05:21:32	11.9	**5083**	2021-11-12T21:47:00	13.8	**7693**	2021-11-21T15:42:27	7.5	**10303**	2021-11-30T19:02:56	4.8
2473	2021-11-04T05:26:31	11.5	**5084**	2021-11-12T21:47:00	nan	**7694**	2021-11-21T15:47:27	8.3	**10304**	2021-11-30T19:07:56	4.4
2474	2021-11-04T05:31:32	11.3	**5085**	2021-11-12T21:51:59	14.3	**7695**	2021-11-21T15:52:28	7.9	**10305**	2021-11-30T19:12:56	4.1
2475	2021-11-04T05:36:31	10.9	**5086**	2021-11-12T21:57:00	14.7	**7696**	2021-11-21T15:57:26	8.5	**10306**	2021-11-30T19:17:56	4.1
2476	2021-11-04T05:41:33	10.5	**5087**	2021-11-12T22:02:00	15.2	**7697**	2021-11-21T16:02:27	7.9	**10307**	2021-11-30T19:19:00	nan
2477	2021-11-04T05:46:32	10.9	**5088**	2021-11-12T22:07:00	15.4	**7698**	2021-11-21T16:07:28	7.2	**10308**	2021-11-30T19:22:57	4.1
2478	2021-11-04T05:51:31	11.5	**5089**	2021-11-12T22:12:00	15.6	**7699**	2021-11-21T16:12:27	6.2	**10309**	2021-11-30T19:27:57	4.3
2479	2021-11-04T05:56:33	11.5	**5090**	2021-11-12T22:17:00	15.6	**7700**	2021-11-21T16:17:27	5.9	**10310**	2021-11-30T19:32:57	4.6
2480	2021-11-04T06:01:32	11.3	**5091**	2021-11-12T22:22:00	15.7	**7701**	2021-11-21T16:22:27	5.9	**10311**	2021-11-30T19:33:00	nan
2481	2021-11-04T06:06:31	11.3	**5092**	2021-11-12T22:26:59	15.5	**7702**	2021-11-21T16:27:27	6.3	**10312**	2021-11-30T19:37:57	4.7
2482	2021-11-04T06:11:32	11.2	**5093**	2021-11-12T22:31:59	15.4	**7703**	2021-11-21T16:32:28	6.8	**10313**	2021-11-30T19:42:57	4.5
2483	2021-11-04T06:16:34	11.0	**5094**	2021-11-12T22:36:59	15.0	**7704**	2021-11-21T16:37:27	6.7	**10314**	2021-11-30T19:47:56	4.5
2484	2021-11-04T06:21:32	10.9	**5095**	2021-11-12T22:41:59	15.0	**7705**	2021-11-21T16:42:28	6.4	**10315**	2021-11-30T19:52:57	4.5
2485	2021-11-04T06:26:33	10.9	**5096**	2021-11-12T22:47:00	14.8	**7706**	2021-11-21T16:47:27	5.9	**10316**	2021-11-30T19:57:57	4.4
2486	2021-11-04T06:31:33	11.0	**5097**	2021-11-12T22:51:59	14.5	**7707**	2021-11-21T16:52:28	6.1	**10317**	2021-11-30T20:02:57	4.6
2487	2021-11-04T06:36:33	10.3	**5098**	2021-11-12T22:57:00	14.4	**7708**	2021-11-21T16:57:27	6.6	**10318**	2021-11-30T20:07:57	4.8
2488	2021-11-04T06:41:32	10.1	**5099**	2021-11-12T23:01:59	14.0	**7709**	2021-11-21T17:02:27	6.0	**10319**	2021-11-30T20:12:56	5.2
2489	2021-11-04T06:46:33	10.3	**5100**	2021-11-12T23:07:00	13.7	**7710**	2021-11-21T17:07:28	5.4	**10320**	2021-11-30T20:17:56	5.4
2490	2021-11-04T06:51:33	10.7	**5101**	2021-11-12T23:12:00	13.3	**7711**	2021-11-21T17:12:27	5.1	**10321**	2021-11-30T20:22:58	5.5
2491	2021-11-04T06:56:33	10.9	**5102**	2021-11-12T23:17:00	13.0	**7712**	2021-11-21T17:17:28	4.8	**10322**	2021-11-30T20:27:57	5.4
2492	2021-11-04T07:01:33	10.8	**5103**	2021-11-12T23:22:00	12.8	**7713**	2021-11-21T17:22:27	4.4	**10323**	2021-11-30T20:32:57	5.6
2493	2021-11-04T07:06:32	10.2	**5104**	2021-11-12T23:27:00	12.6	**7714**	2021-11-21T17:27:27	4.4	**10324**	2021-11-30T20:37:57	5.7
2494	2021-11-04T07:11:32	10.3	**5105**	2021-11-12T23:31:59	12.9	**7715**	2021-11-21T17:32:27	4.2	**10325**	2021-11-30T20:42:57	5.6
2495	2021-11-04T07:16:33	10.5	**5106**	2021-11-12T23:37:00	12.8	**7716**	2021-11-21T17:37:27	3.8	**10326**	2021-11-30T20:47:57	5.4
2496	2021-11-04T07:21:32	10.7	**5107**	2021-11-12T23:42:00	12.8	**7717**	2021-11-21T17:38:00	nan	**10327**	2021-11-30T20:52:57	5.1
2497	2021-11-04T07:26:34	10.7	**5108**	2021-11-12T23:47:00	12.9	**7718**	2021-11-21T17:42:27	3.8	**10328**	2021-11-30T20:57:57	4.9
2498	2021-11-04T07:31:32	10.7	**5109**	2021-11-12T23:52:00	13.0	**7719**	2021-11-21T17:47:27	3.9	**10329**	2021-11-30T21:02:57	4.8
2499	2021-11-04T07:36:32	10.6	**5110**	2021-11-12T23:52:00	nan	**7720**	2021-11-21T17:52:27	4.1	**10330**	2021-11-30T21:07:57	4.9
2500	2021-11-04T07:41:32	10.5	**5111**	2021-11-12T23:56:59	13.0	**7721**	2021-11-21T17:57:27	4.3	**10331**	2021-11-30T21:12:57	5.0
2501	2021-11-04T07:46:32	10.4	**5112**	2021-11-13T00:02:00	12.9	**7722**	2021-11-21T18:02:00	nan	**10332**	2021-11-30T21:17:58	5.0
2502	2021-11-04T07:51:34	10.3	**5113**	2021-11-13T00:07:00	12.3	**7723**	2021-11-21T18:02:27	4.4	**10333**	2021-11-30T21:22:57	5.3
2503	2021-11-04T07:56:33	10.2	**5114**	2021-11-13T00:11:59	12.8	**7724**	2021-11-21T18:07:28	5.3	**10334**	2021-11-30T21:27:57	5.4
2504	2021-11-04T08:01:35	10.0	**5115**	2021-11-13T00:16:59	12.2	**7725**	2021-11-21T18:10:00	nan	**10335**	2021-11-30T21:32:57	5.7
2505	2021-11-04T08:06:32	10.1	**5116**	2021-11-13T00:21:59	11.8	**7726**	2021-11-21T18:12:28	5.9	**10336**	2021-11-30T21:37:56	5.9
2506	2021-11-04T08:11:32	10.2	**5117**	2021-11-13T00:27:00	11.1	**7727**	2021-11-21T18:17:28	6.2	**10337**	2021-11-30T21:42:57	6.0
2507	2021-11-04T08:16:34	10.3	**5118**	2021-11-13T00:31:59	10.3	**7728**	2021-11-21T18:22:27	6.0	**10338**	2021-11-30T21:47:56	5.4
2508	2021-11-04T08:21:32	10.3	**5119**	2021-11-13T00:37:00	10.2	**7729**	2021-11-21T18:27:27	6.5	**10339**	2021-11-30T21:52:57	5.3
2509	2021-11-04T08:26:32	10.4	**5120**	2021-11-13T02:47:00	16.2	**7730**	2021-11-21T18:32:27	7.0	**10340**	2021-11-30T21:57:56	5.5
2510	2021-11-04T08:31:32	10.2	**5121**	2021-11-13T02:52:00	16.3	**7731**	2021-11-21T18:37:28	7.3	**10341**	2021-11-30T22:02:57	5.3
2511	2021-11-04T08:36:32	9.5	**5122**	2021-11-13T02:57:00	16.0	**7732**	2021-11-21T18:42:27	7.7	**10342**	2021-11-30T22:07:57	5.2
2512	2021-11-04T08:41:32	8.8	**5123**	2021-11-13T03:02:00	nan	**7733**	2021-11-21T18:47:27	7.7	**10343**	2021-11-30T22:12:57	5.2

2513	2021-11-04T08:46:32	9.8	5124	2021-11-13T03:02:01	15.8	7734	2021-11-21T18:52:27	7.7	10344	2021-11-30T22:17:57	4.9
2514	2021-11-04T08:51:34	10.4	5125	2021-11-13T03:07:00	15.8	7735	2021-11-21T18:57:28	7.7	10345	2021-11-30T22:22:59	4.8
2515	2021-11-04T08:56:33	10.6	5126	2021-11-13T03:12:00	16.2	7736	2021-11-21T19:02:27	7.1	10346	2021-11-30T22:27:57	5.2
2516	2021-11-04T09:01:33	10.4	5127	2021-11-13T03:17:01	16.4	7737	2021-11-21T19:07:28	7.9	10347	2021-11-30T22:32:57	5.3
2517	2021-11-04T09:06:33	10.1	5128	2021-11-13T03:22:00	16.7	7738	2021-11-21T19:12:28	7.8	10348	2021-11-30T22:37:56	5.2
2518	2021-11-04T09:11:32	10.1	5129	2021-11-13T03:27:01	16.7	7739	2021-11-21T19:17:28	7.7	10349	2021-11-30T22:42:57	4.8
2519	2021-11-04T09:16:34	9.7	5130	2021-11-13T03:32:00	16.2	7740	2021-11-21T19:22:27	7.2	10350	2021-11-30T22:47:56	4.5
2520	2021-11-04T09:19:00	nan	5131	2021-11-13T03:37:00	16.3	7741	2021-11-21T19:27:27	7.2	10351	2021-11-30T22:52:57	4.6
2521	2021-11-04T09:21:33	10.2	5132	2021-11-13T03:42:00	16.3	7742	2021-11-21T19:32:28	7.4	10352	2021-11-30T22:57:57	4.4
2522	2021-11-04T09:25:00	nan	5133	2021-11-13T03:47:00	16.1	7743	2021-11-21T19:37:28	7.8	10353	2021-11-30T23:02:56	4.4
2523	2021-11-04T09:26:32	10.5	5134	2021-11-13T03:52:00	16.2	7744	2021-11-21T19:42:27	7.9	10354	2021-11-30T23:07:57	4.5
2524	2021-11-04T09:31:32	10.4	5135	2021-11-13T03:57:00	15.8	7745	2021-11-21T19:47:28	7.9	10355	2021-11-30T23:12:57	4.6
2525	2021-11-04T09:36:32	10.5	5136	2021-11-13T04:02:00	15.7	7746	2021-11-21T19:51:00	nan	10356	2021-11-30T23:17:57	4.4
2526	2021-11-04T09:41:32	10.6	5137	2021-11-13T04:07:00	15.9	7747	2021-11-21T19:52:28	7.9	10357	2021-11-30T23:22:58	4.3
2527	2021-11-04T09:46:32	10.4	5138	2021-11-13T04:12:00	15.9	7748	2021-11-21T19:57:27	8.1	10358	2021-11-30T23:27:57	4.2
2528	2021-11-04T09:51:32	9.9	5139	2021-11-13T04:17:00	15.8	7749	2021-11-21T20:02:28	8.4	10359	2021-11-30T23:32:58	3.9
2529	2021-11-04T09:56:32	9.5	5140	2021-11-13T04:22:00	15.5	7750	2021-11-21T20:07:28	8.5	10360	2021-11-30T23:37:57	3.6
2530	2021-11-04T10:01:32	9.1	5141	2021-11-13T04:27:00	15.3	7751	2021-11-21T20:12:27	8.7	10361	2021-11-30T23:41:00	nan
2531	2021-11-04T10:06:32	8.9	5142	2021-11-13T04:32:00	14.9	7752	2021-11-21T20:17:28	8.8	10362	2021-11-30T23:42:57	3.6
2532	2021-11-04T10:11:32	8.9	5143	2021-11-13T04:37:00	15.1	7753	2021-11-21T20:22:27	8.9	10363	2021-11-30T23:47:57	3.6
2533	2021-11-04T10:16:34	8.9	5144	2021-11-13T04:38:00	nan	7754	2021-11-21T20:27:28	8.9	10364	2021-11-30T23:52:58	3.8
2534	2021-11-04T10:21:32	8.9	5145	2021-11-13T04:42:00	15.2	7755	2021-11-21T20:32:27	8.7	10365	2021-11-30T23:55:00	nan
2535	2021-11-04T10:26:32	8.9	5146	2021-11-13T04:47:00	15.2	7756	2021-11-21T20:37:27	8.6	10366	2021-11-30T23:57:57	4.4
2536	2021-11-04T10:31:34	8.9	5147	2021-11-13T04:52:00	15.3	7757	2021-11-21T20:42:27	8.4	10367	2021-12-01T00:02:58	5.2
2537	2021-11-04T10:36:33	8.8	5148	2021-11-13T04:57:00	15.1	7758	2021-11-21T20:47:27	8.2	10368	2021-12-01T00:07:57	5.8
2538	2021-11-04T10:38:00	nan	5149	2021-11-13T05:02:01	14.7	7759	2021-11-21T20:52:27	8.0	10369	2021-12-01T00:12:58	6.3
2539	2021-11-04T10:41:34	9.0	5150	2021-11-13T05:07:01	14.7	7760	2021-11-21T20:57:27	8.0	10370	2021-12-01T00:17:57	6.7
2540	2021-11-04T10:46:33	9.0	5151	2021-11-13T05:12:01	14.9	7761	2021-11-21T21:02:27	8.1	10371	2021-12-01T00:22:57	7.2
2541	2021-11-04T10:51:33	9.0	5152	2021-11-13T05:17:01	14.9	7762	2021-11-21T21:07:28	8.0	10372	2021-12-01T00:23:00	nan
2542	2021-11-04T10:56:33	8.8	5153	2021-11-13T05:22:00	14.7	7763	2021-11-21T21:12:28	7.8	10373	2021-12-01T00:27:57	7.6
2543	2021-11-04T11:01:33	8.6	5154	2021-11-13T05:27:01	14.2	7764	2021-11-21T21:17:28	8.0	10374	2021-12-01T00:32:57	7.8
2544	2021-11-04T11:06:32	8.5	5155	2021-11-13T05:32:00	14.2	7765	2021-11-21T21:22:27	7.9	10375	2021-12-01T00:37:57	8.3
2545	2021-11-04T11:11:33	8.4	5156	2021-11-13T05:37:00	13.8	7766	2021-11-21T21:27:28	7.8	10376	2021-12-01T00:42:57	9.0
2546	2021-11-04T11:16:34	8.2	5157	2021-11-13T05:42:00	13.5	7767	2021-11-21T21:30:00	nan	10377	2021-12-01T00:47:57	8.5
2547	2021-11-04T11:21:33	7.9	5158	2021-11-13T05:47:00	13.3	7768	2021-11-21T21:32:27	7.7	10378	2021-12-01T00:52:57	8.2
2548	2021-11-04T11:26:33	7.7	5159	2021-11-13T05:52:00	13.1	7769	2021-11-21T21:37:28	7.7	10379	2021-12-01T00:57:57	7.4
2549	2021-11-04T11:31:33	7.6	5160	2021-11-13T05:57:00	12.9	7770	2021-11-21T21:42:28	7.6	10380	2021-12-01T01:02:57	6.8
2550	2021-11-04T11:36:33	7.5	5161	2021-11-13T06:02:01	12.7	7771	2021-11-21T21:47:28	7.7	10381	2021-12-01T01:07:59	6.0
2551	2021-11-04T11:41:33	7.4	5162	2021-11-13T06:07:00	12.3	7772	2021-11-21T21:52:28	7.7	10382	2021-12-01T01:12:57	5.6
2552	2021-11-04T11:46:33	7.3	5163	2021-11-13T06:12:00	12.3	7773	2021-11-21T21:57:28	7.6	10383	2021-12-01T01:17:57	5.7
2553	2021-11-04T11:51:32	7.2	5164	2021-11-13T06:17:00	12.0	7774	2021-11-21T22:02:28	7.5	10384	2021-12-01T01:22:59	5.6
2554	2021-11-04T11:56:33	7.0	5165	2021-11-13T06:22:01	12.0	7775	2021-11-21T22:07:29	7.4	10385	2021-12-01T01:27:57	5.4
2555	2021-11-04T12:01:33	7.0	5166	2021-11-13T06:27:00	11.9	7776	2021-11-21T22:12:28	7.3	10386	2021-12-01T01:32:57	5.4
2556	2021-11-04T12:06:32	7.0	5167	2021-11-13T06:32:00	11.6	7777	2021-11-21T22:17:28	7.0	10387	2021-12-01T01:37:57	5.4
2557	2021-11-04T12:11:33	7.0	5168	2021-11-13T06:37:00	11.3	7778	2021-11-21T22:22:27	6.8	10388	2021-12-01T01:42:57	5.9
2558	2021-11-04T12:16:34	7.0	5169	2021-11-13T06:42:01	11.0	7779	2021-11-21T22:27:28	6.7	10389	2021-12-01T01:47:59	6.0
2559	2021-11-04T12:21:33	7.0	5170	2021-11-13T06:47:01	11.0	7780	2021-11-21T22:32:28	6.6	10390	2021-12-01T01:52:57	5.6
2560	2021-11-04T12:26:32	7.0	5171	2021-11-13T06:52:00	10.3	7781	2021-11-21T22:37:28	6.5	10391	2021-12-01T01:57:57	5.1
2561	2021-11-04T12:27:00	nan	5172	2021-11-13T06:57:01	10.4	7782	2021-11-21T22:42:28	6.4	10392	2021-12-01T02:02:57	4.7
2562	2021-11-04T12:27:00	nan	5173	2021-11-13T07:02:01	9.7	7783	2021-11-21T22:47:28	6.3	10393	2021-12-01T02:07:57	4.6
2563	2021-11-04T12:31:33	7.0	5174	2021-11-13T07:07:01	9.0	7784	2021-11-21T22:52:28	6.2	10394	2021-12-01T02:12:57	4.6
2564	2021-11-04T12:36:33	7.0	5175	2021-11-13T07:12:00	9.1	7785	2021-11-21T22:57:27	6.2	10395	2021-12-01T02:17:57	4.6
2565	2021-11-04T12:41:32	7.0	5176	2021-11-13T07:17:00	9.0	7786	2021-11-21T23:02:28	6.0	10396	2021-12-01T02:22:58	5.2
2566	2021-11-04T12:46:32	6.8	5177	2021-11-13T07:22:00	8.9	7787	2021-11-21T23:07:29	5.7	10397	2021-12-01T02:27:57	5.3
2567	2021-11-04T12:51:33	6.9	5178	2021-11-13T07:27:01	8.9	7788	2021-11-21T23:12:28	5.9	10398	2021-12-01T02:32:58	5.2

2568	2021-11-04T12:56:33	7.2	**5179**	2021-11-13T07:32:01	8.7	**7789**	2021-11-21T23:17:29	5.7	**10399**	2021-12-01T02:37:58	5.2
2569	2021-11-04T13:01:33	7.2	**5180**	2021-11-13T07:37:01	8.4	**7790**	2021-11-21T23:22:28	5.6	**10400**	2021-12-01T02:42:58	5.3
2570	2021-11-04T13:06:33	7.3	**5181**	2021-11-13T07:42:01	8.4	**7791**	2021-11-21T23:27:28	5.4	**10401**	2021-12-01T02:47:58	5.4
2571	2021-11-04T13:11:35	7.5	**5182**	2021-11-13T07:47:01	8.3	**7792**	2021-11-21T23:32:29	5.3	**10402**	2021-12-01T02:52:58	6.2
2572	2021-11-04T13:16:34	7.5	**5183**	2021-11-13T07:52:01	8.0	**7793**	2021-11-21T23:37:28	5.1	**10403**	2021-12-01T02:57:58	6.8
2573	2021-11-04T13:21:33	7.2	**5184**	2021-11-13T07:57:01	7.9	**7794**	2021-11-21T23:42:28	5.1	**10404**	2021-12-01T03:02:58	6.8
2574	2021-11-04T13:26:32	6.7	**5185**	2021-11-13T08:02:01	7.8	**7795**	2021-11-21T23:47:28	4.9	**10405**	2021-12-01T03:07:59	6.7
2575	2021-11-04T13:31:33	6.4	**5186**	2021-11-13T08:07:01	8.0	**7796**	2021-11-21T23:52:28	4.8	**10406**	2021-12-01T03:12:57	6.3
2576	2021-11-04T13:36:33	6.4	**5187**	2021-11-13T08:12:01	7.8	**7797**	2021-11-21T23:57:28	4.8	**10407**	2021-12-01T03:17:58	6.4
2577	2021-11-04T13:41:33	6.5	**5188**	2021-11-13T08:17:01	7.8	**7798**	2021-11-22T00:02:28	4.7	**10408**	2021-12-01T03:22:59	6.8
2578	2021-11-04T13:46:34	6.6	**5189**	2021-11-13T08:22:01	7.8	**7799**	2021-11-22T00:07:28	4.7	**10409**	2021-12-01T03:27:57	7.0
2579	2021-11-04T13:51:33	6.7	**5190**	2021-11-13T08:27:00	7.2	**7800**	2021-11-22T00:12:27	4.6	**10410**	2021-12-01T03:32:58	7.2
2580	2021-11-04T13:56:34	6.8	**5191**	2021-11-13T08:32:00	7.7	**7801**	2021-11-22T00:17:28	4.6	**10411**	2021-12-01T03:37:58	6.9
2581	2021-11-04T14:01:33	6.9	**5192**	2021-11-13T08:37:01	7.9	**7802**	2021-11-22T00:22:28	4.5	**10412**	2021-12-01T03:42:58	6.4
2582	2021-11-04T14:06:33	6.9	**5193**	2021-11-13T08:42:01	7.7	**7803**	2021-11-22T00:27:28	4.3	**10413**	2021-12-01T03:47:58	6.3
2583	2021-11-04T14:11:33	7.0	**5194**	2021-11-13T08:47:01	7.7	**7804**	2021-11-22T00:32:27	4.3	**10414**	2021-12-01T03:52:58	6.4
2584	2021-11-04T14:16:34	7.3	**5195**	2021-11-13T08:52:00	7.9	**7805**	2021-11-22T00:37:27	4.3	**10415**	2021-12-01T03:57:58	6.8
2585	2021-11-04T14:21:33	7.5	**5196**	2021-11-13T08:57:00	7.7	**7806**	2021-11-22T00:42:27	4.5	**10416**	2021-12-01T04:02:58	7.3
2586	2021-11-04T14:26:33	7.7	**5197**	2021-11-13T09:02:00	nan	**7807**	2021-11-22T00:47:28	4.3	**10417**	2021-12-01T04:07:58	7.7
2587	2021-11-04T14:31:33	7.8	**5198**	2021-11-13T09:02:01	7.5	**7808**	2021-11-22T00:50:00	nan	**10418**	2021-12-01T04:12:57	8.1
2588	2021-11-04T14:36:33	7.6	**5199**	2021-11-13T09:07:01	7.5	**7809**	2021-11-22T00:52:28	4.3	**10419**	2021-12-01T04:17:58	8.4
2589	2021-11-04T14:41:33	7.2	**5200**	2021-11-13T09:12:01	7.4	**7810**	2021-11-22T00:57:00	nan	**10420**	2021-12-01T04:22:59	9.0
2590	2021-11-04T14:46:33	6.7	**5201**	2021-11-13T09:17:01	7.3	**7811**	2021-11-22T00:57:28	4.3	**10421**	2021-12-01T04:27:57	10.2
2591	2021-11-04T14:51:33	6.2	**5202**	2021-11-13T09:22:01	7.0	**7812**	2021-11-22T01:02:28	4.4	**10422**	2021-12-01T04:32:58	10.8
2592	2021-11-04T14:56:33	6.0	**5203**	2021-11-13T09:27:01	6.9	**7813**	2021-11-22T01:07:29	4.7	**10423**	2021-12-01T04:37:57	10.8
2593	2021-11-04T15:01:33	6.3	**5204**	2021-11-13T09:32:01	6.5	**7814**	2021-11-22T01:12:28	4.9	**10424**	2021-12-01T04:42:58	10.7
2594	2021-11-04T15:06:33	6.9	**5205**	2021-11-13T09:37:01	6.4	**7815**	2021-11-22T01:17:29	5.1	**10425**	2021-12-01T04:47:57	10.7
2595	2021-11-04T15:11:33	7.4	**5206**	2021-11-13T09:42:01	6.4	**7816**	2021-11-22T01:22:28	4.8	**10426**	2021-12-01T04:52:58	11.5
2596	2021-11-04T15:16:35	7.9	**5207**	2021-11-13T09:47:01	6.0	**7817**	2021-11-22T01:27:28	4.8	**10427**	2021-12-01T04:57:58	11.8
2597	2021-11-04T15:21:33	8.6	**5208**	2021-11-13T09:52:01	5.5	**7818**	2021-11-22T01:32:28	5.7	**10428**	2021-12-01T05:02:58	11.8
2598	2021-11-04T15:26:33	9.3	**5209**	2021-11-13T09:57:01	5.6	**7819**	2021-11-22T01:37:29	5.8	**10429**	2021-12-01T05:07:58	11.8
2599	2021-11-04T15:31:33	9.9	**5210**	2021-11-13T10:02:01	5.5	**7820**	2021-11-22T01:42:29	6.4	**10430**	2021-12-01T05:12:58	11.8
2600	2021-11-04T15:36:33	10.5	**5211**	2021-11-13T10:07:01	5.5	**7821**	2021-11-22T01:47:29	6.8	**10431**	2021-12-01T05:17:58	11.8
2601	2021-11-04T15:41:34	11.1	**5212**	2021-11-13T10:12:00	5.4	**7822**	2021-11-22T01:52:29	7.1	**10432**	2021-12-01T05:22:59	11.5
2602	2021-11-04T15:46:33	11.8	**5213**	2021-11-13T10:17:01	5.6	**7823**	2021-11-22T01:57:29	6.5	**10433**	2021-12-01T05:27:57	11.8
2603	2021-11-04T15:51:34	12.5	**5214**	2021-11-13T10:22:01	5.7	**7824**	2021-11-22T02:02:29	5.5	**10434**	2021-12-01T05:32:58	11.5
2604	2021-11-04T15:56:00	nan	**5215**	2021-11-13T10:27:01	6.0	**7825**	2021-11-22T02:07:29	5.1	**10435**	2021-12-01T05:37:58	10.9
2605	2021-11-04T15:56:33	13.2	**5216**	2021-11-13T10:32:01	5.9	**7826**	2021-11-22T02:12:28	4.2	**10436**	2021-12-01T05:42:57	10.3
2606	2021-11-04T16:01:33	13.7	**5217**	2021-11-13T10:37:02	5.7	**7827**	2021-11-22T02:47:28	7.2	**10437**	2021-12-01T05:47:58	9.5
2607	2021-11-04T16:06:33	14.3	**5218**	2021-11-13T10:42:01	5.7	**7828**	2021-11-22T02:52:29	7.2	**10438**	2021-12-01T06:22:59	11.7
2608	2021-11-04T16:11:33	14.7	**5219**	2021-11-13T10:47:02	5.7	**7829**	2021-11-22T02:57:29	7.3	**10439**	2021-12-01T06:27:58	11.8
2609	2021-11-04T16:16:34	14.4									

Modeling the change in glucose levels after consumption of 10.5 carbohydrates

Defining functions and processing data

Make x-axis integer minutes with 5-minute intervals

(To enable plotting glucose changes from different time intervals in one curve starting from the origin)

```
x_domain = np.arange(0, 10001, 5)
```

A function to get the range of glucose values from minimum to maximum in a 3h interval based on a datetime input

> Call function with `get_glucose_minmax(concise_data.loc[(slice(None), 'YYYY-MM-DDThh:mm:ss'), 'Timestamp (YYYY-MM-DDThh:mm:ss)'].values)`
>
> where Y = year, M = month, D = day, T = separator, h = hour, m = minute, s = second

3h interval chosen based on personal experience with carbohydrate consumption to manifest full effect while minimizing the effect of other variables (must

be same as for insulin). Minimum to maximum approach as an assumption is a key weakness but one made to offset the effect of other variables such as prior "momentum" of the glucose levels and to make data more easy and clean to process, compare and model.

```
def get_glucose_minmax(date):
    from_date = tuple(date) #tuple to avoid unhashable type: 'Series' error
    date_format = pd.to_datetime(date) #format object to datetime
    from_date_add_3h = date_format + datetime.timedelta(hours=3) #add 3h to get right bound
    to_date_string = from_date_add_3h.strftime('%Y-%m-%dT%H:%M:%S') #convert to str
    to_date = tuple(to_date_string) #tuple to avoid unhashable type: 'Series' error
    date_3h_range = glucose_woI.loc[from_date:to_date]

    date_range_array = np.array(date_3h_range.reset_index(drop=True))
    min_index = np.where(date_range_array == min(date_range_array))
    max_index = np.where(date_range_array == max(date_range_array))
    min_index_int = int(min_index[0][0])
    max_index_int = int(max_index[0][0]) + 1

    return date_range_array[min_index_int:max_index_int]
```

Get all glucose ranges from minimum to maximum within 3 hours from the consumption of 10.5 carbohydrates as the `glucose_after_carbs` list

```
def get_range_list(array, function):

    i = 0
    range_list = []

    while i <= len(array):
        try:
            for value in array:
                range_list.append(function(concise_data.loc[(slice(None), concise_data.loc[(concise_data.loc[(slice(None),
                i += 1
        except Exception:
            pass
        i += 1

    return range_list
```

```
glucose_after_carbs = get_range_list(_10carbs_timing, get_glucose_minmax)
```

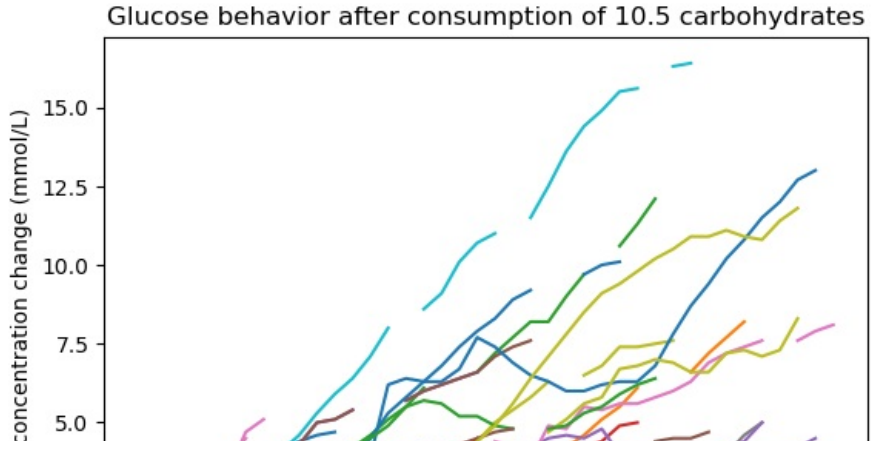
Filter out empty arrays

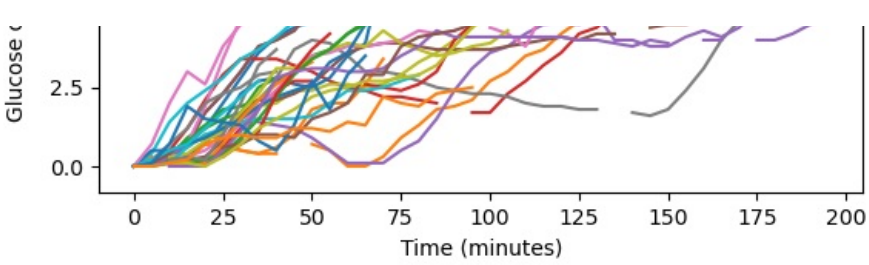
```
glucose_after_carbs_filtered = [e for e in glucose_after_carbs if e.size > 0]
```

Plot of every instance of glucose behavior 3h after consumption of 10.5 carbohydrates (from origin)

```
def plot_aggregate(array, title):

    i = 0

    plt.title(title)
    plt.xlabel('Time (minutes)')
    plt.ylabel('Glucose concentration change (mmol/L)')

    try:
        for minmax in array:
            plt.plot(x_domain[:len(array[i])], array[i] - array[i][0])
            i += 1
    except IndexError:
        pass
```

```
plot_aggregate(glucose_after_carbs_filtered, 'Glucose behavior after consumption of 10.5 carbohydrates')
plt.savefig(fname="Glucose behavior afer consumprion of 10,5 carbohydrates")
```





Automatic processing of data

Processing data for aggregate plotting

Process data so that curves start from origin and are continuous to model change and make comparisons clear

```
np_gluc_auto = np.array(glucose_after_carbs_filtered, dtype=object)
```

```
glucose_series_fill = np_gluc_auto
i4 = 0

for val in np_gluc_auto:
    glucose_series_fill[i4] = pd.to_numeric(pd.Series(glucose_series_fill[i4]), errors='coerce').fillna(method='bfill')
    i4 += 1
```

```
glucose_series_auto = []
i5 = 0

for value in glucose_series_fill:
    glucose_series_auto.append(value - value[0]) #Make all values start from zero
    i5 += 1
```

Get glucose values ranging from lowest value after eating 10.5 carbohydrates to the first maximum to isolate the effect of carbohydrate consumption from later actions in the 3h interval

```
def get_glucose_min_first_max(l):

    i = 1

    result = []

    while l[i] >= l[i - 1]:
        result.append(l[i - 1])
        i += 1
        if i == len(l) or l[i] < l[i - 1]:
            result.append(l[i - 1])
            break

    return result
```

```
glucose_min_first_max_auto = [get_glucose_min_first_max(arr) for arr in glucose_series_auto]
```

Average time for glucose to reach maximum concentration after carbohydrate consumption

```
def get_avg_time_auto(list):

    i = 0
    lens = []

    for value in list:
        lens.append(len(list[i]))
        i += 1

    return np.mean(lens) * 5 # x5 to get minutes
```

```
avg_time_for_glucose_rise_auto = get_avg_time_auto(glucose_min_first_max_auto)
avg_time_for_glucose_rise_auto
```

Out[27]: 60.78125

Calculating quartiles for duration

Quartiles are calculated to remove outliers and to reveal general information about the data

```
glucose_rise_times = [len(i) * 5 for i in glucose_min_first_max_auto] # * 5 for minutes
```

```
glucose_rise_times = [len(l) * 5 for l in glucose_min_first_max_auto] # * 5 for minutes
glucose_rise_times.sort()
glucose_rise_times
```

Out[28]:
```
[15,
 20,
 20,
 20,
 20,
 25,
 25,
 35,
 40,
 40,
 40,
 45,
 45,
 45,
 45,
 45,
 55,
 55,
 60,
 60,
 60,
 65,
 65,
 80,
 85,
 85,
 85,
 100,
 115,
 140,
 150,
 160]
```

Lower quartile Q_1 = $\frac{n + 1}{4}$th value

(Decimals handled according to: https://brilliant.org/wiki/data-interquartile-range/: Q_1 = *n*th value + 0.dd $\times$ ((*n + 1*)th observation - *n*th observation)

```
glucose_rise_times_q1 = glucose_rise_times[int((len(glucose_rise_times) + 1) * (1/4) - 1)] + ((((len(glucose_rise_times) +
glucose_rise_times_q1
```

Out[29]:
```
36.25
```

Median Q_2 = $\frac{n + 1}{2}$th value

```
glucose_rise_times_q2 = glucose_rise_times[int((len(glucose_rise_times) + 1) * (2/4) - 1)] + ((((len(glucose_rise_times) +
glucose_rise_times_q2
```

Out[30]:
```
50.0
```

Upper quartile Q_3 = $\frac{3n + 1}{4}$th value

```
glucose_rise_times_q3 = glucose_rise_times[int((len(glucose_rise_times) + 1) * (3/4) - 1)] + ((((len(glucose_rise_times) +
glucose_rise_times_q3
```

Out[31]:
```
83.75
```

Interquartile range IQR (Q_3 - Q_1)

```
glucose_rise_times_IQR = glucose_rise_times_q3 - glucose_rise_times_q1
glucose_rise_times_IQR
```

Out[32]:
```
47.5
```

Finding outliers

Upper limit

```
glucose_rise_times_IGQ_upper_limit = glucose_rise_times_q3 + 1.5 * glucose_rise_times_IQR
glucose_rise_times_IGQ_upper_limit
```

Out[33]: 155.0

Lower limit

```
glucose_rise_times_IGQ_lower_limit = glucose_rise_times_q1 - 1.5 * glucose_rise_times_IQR
glucose_rise_times_IGQ_lower_limit
```

Out[34]: -35.0

Taking out outliers

```
glucose_rise_times_wo_outliers = []
glucose_rise_times_outliers = []

for i in glucose_rise_times:
    if i < glucose_rise_times_IGQ_upper_limit and i > glucose_rise_times_IGQ_lower_limit:
        glucose_rise_times_wo_outliers.append(i)
    else:
        glucose_rise_times_outliers.append(i)

print(glucose_rise_times_wo_outliers)
print(glucose_rise_times_outliers)
```

```
[15, 20, 20, 20, 20, 25, 25, 35, 40, 40, 40, 45, 45, 45, 45, 45, 55, 55, 60, 60, 60, 65, 65, 80, 85, 85, 85, 100,
115, 140, 150]
[160]
```

```
glucose_series_auto_wo_time_outliers = []

for i in glucose_min_first_max_auto:
    if (len(i) * 5) not in glucose_rise_times_outliers:
        glucose_series_auto_wo_time_outliers.append(i)
```

Mean time

```
mean_time = stats.mean(glucose_rise_times_wo_outliers)
mean_time
```

Out[37]: 57.58064516129032

Rounding mean time up for modeling

```
i9 = 0

if round(mean_time) % 5 == 0:
    mean_time_to_5 = round(mean_time)
else:
    while round(mean_time) % 5 != 0:
        mean_time_to_5 = round(mean_time) + i9
        i9 += 1
        if mean_time_to_5 % 5 == 0:
            break
```

```
mean_time_to_5
```

Out[39]: 60

Statistical characteristics of the time data according to Pandas

```
glucose_rise_times_stats = pd.Series(glucose_rise_times)
```

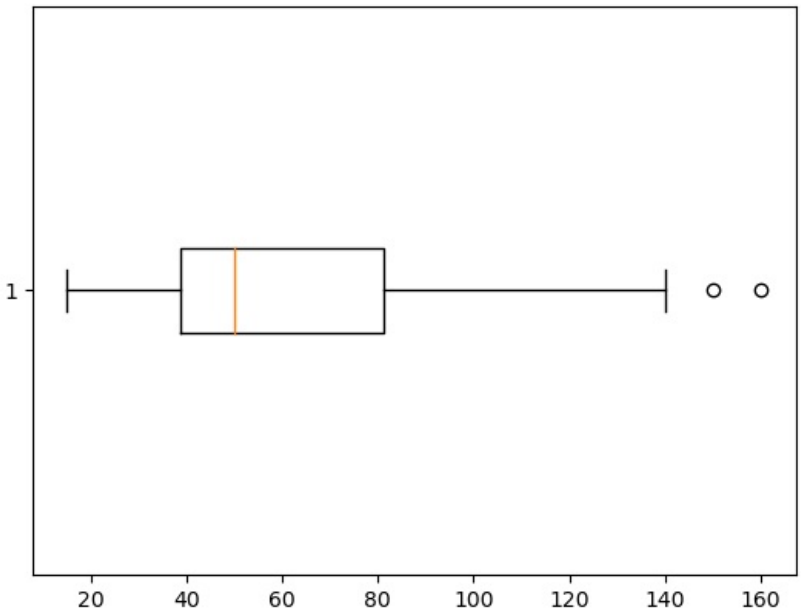
```
glucose_rise_times_stats.describe()
```

Out[41]:
```
count     32.000000
mean      60.781250
std       38.229135
min       15.000000
25%       38.750000
50%       50.000000
```

```
75%       81.250000
max      160.000000
dtype: float64
```

```
plt.boxplot(glucose_rise_times, vert=False) #matplotlib employes https://en.wikipedia.org/wiki/Quartile method 2
```

Out[42]:
```
{'whiskers': [<matplotlib.lines.Line2D at 0x2101ba3a3d0>,
  <matplotlib.lines.Line2D at 0x2101ba3a760>],
 'caps': [<matplotlib.lines.Line2D at 0x2101ba3aaf0>,
  <matplotlib.lines.Line2D at 0x2101ba3ae80>],
 'boxes': [<matplotlib.lines.Line2D at 0x2101ba3a040>],
 'medians': [<matplotlib.lines.Line2D at 0x2101ba4a250>],
 'fliers': [<matplotlib.lines.Line2D at 0x2101ba4a5e0>],
 'means': []}
```



Calculating quartiles for end magnitude

Quartiles are calculated to remove outliers and to reveal general information about the data

Finding maximum value of each instance

```
glucose_rise_magnitudes = []

for i in glucose_min_first_max_auto:
    glucose_rise_magnitudes.append(i[-1])

glucose_rise_magnitudes.sort()
glucose_rise_magnitudes
```

Out[43]:
```
[0.10000000000000053,
 0.10000000000000053,
 0.2999999999999998,
 0.6999999999999997,
 1.0,
 1.0,
 1.0,
 1.3999999999999995,
 1.9000000000000004,
 2.6,
 2.7,
 2.7,
 2.8,
 2.8000000000000007,
 2.8999999999999995,
 3.0,
 3.0,
 3.0999999999999996,
 3.3999999999999995,
 3.8999999999999995,
 3.9000000000000004,
 4.0,
 4.2,
 4.299999999999999,
 4.7,
 5.1,
 5.699999999999999,
```

```
6.6000000000000005,
7.6000000000000005,
10.1,
12.100000000000001,
16.400000000000002]
```

Lower quartile Q_1 = $\frac{n + 1}{4}$th value

(Decimals handled according to: https://brilliant.org/wiki/data-interquartile-range/: Q_1 = *n*th value + 0.dd $\times$ ((*n + 1*)th observation - *n*th observation)

```
glucose_rise_magnitudes_q1 = glucose_rise_magnitudes[int((len(glucose_rise_magnitudes) + 1) * (1/4) - 1)] + ((((len(glucos
glucose_rise_magnitudes_q1
```

Out[44]: 1.5249999999999997

Median Q_2 = $\frac{n + 1}{2}$th value

```
glucose_rise_magnitudes_q2 = glucose_rise_magnitudes[int((len(glucose_rise_magnitudes) + 1) * (2/4) - 1)] + ((((len(glucos
glucose_rise_magnitudes_q2
```

Out[45]: 3.0

Upper quartile Q_3 = $\frac{3n + 1}{4}$th value

```
glucose_rise_magnitudes_q3 = glucose_rise_magnitudes[int((len(glucose_rise_magnitudes) + 1) * (3/4) - 1)] + ((((len(glucos
glucose_rise_magnitudes_q3
```

Out[46]: 4.6

Interquartile range IQR (Q_3 - Q_1)

```
glucose_rise_magnitudes_IQR = glucose_rise_magnitudes_q3 - glucose_rise_magnitudes_q1
glucose_rise_magnitudes_IQR
```

Out[47]: 3.075

Finding outliers

Upper limit

```
glucose_rise_magnitudes_IGQ_upper_limit = glucose_rise_magnitudes_q3 + 1.5 * glucose_rise_magnitudes_IQR
glucose_rise_magnitudes_IGQ_upper_limit
```

Out[48]: 9.2125

Lower limit

```
glucose_rise_magnitudes_IGQ_lower_limit = glucose_rise_magnitudes_q1 - 1.5 * glucose_rise_magnitudes_IQR
glucose_rise_magnitudes_IGQ_lower_limit
```

Out[49]: -3.0875000000000012

```
glucose_rise_magnitudes_wo_outliers = []
glucose_rise_magnitudes_outliers = []

for i in glucose_rise_magnitudes:
    if i < glucose_rise_magnitudes_IGQ_upper_limit and i > glucose_rise_magnitudes_IGQ_lower_limit:
        glucose_rise_magnitudes_wo_outliers.append(i)
    else:
        glucose_rise_magnitudes_outliers.append(i)

print('Magnitudes without outliers:', glucose_rise_magnitudes_wo_outliers)
print('Outliers:', glucose_rise_magnitudes_outliers)
```

```
Magnitudes without outliers: [0.10000000000000053, 0.10000000000000053, 0.2999999999999998, 0.6999999999999997, 1
.0, 1.0, 1.0, 1.3999999999999995, 1.9000000000000004, 2.6, 2.7, 2.7, 2.8, 2.8000000000000007, 2.8999999999999995,
```

```
3.0, 3.0, 3.0999999999999996, 3.3999999999999995, 3.8999999999999995, 3.9000000000000004, 4.0, 4.2, 4.2999999999
9999, 4.7, 5.1, 5.699999999999999, 6.6000000000000005, 7.6000000000000005]
Outliers: [10.1, 12.100000000000001, 16.400000000000002]
```

```
glucose_series_auto_wo_magnitudes_outliers = []

for i in glucose_min_first_max_auto:
    if any(i) not in glucose_rise_magnitudes_outliers:
        glucose_series_auto_wo_magnitudes_outliers.append(i)
```

Mean magnitude

```
stats.mean(glucose_rise_magnitudes_wo_outliers)
```

Out[52]: 2.9827586206896552

Glucose rise with no outliers

```
glucose_rise_wo_outliers = []

for i in glucose_min_first_max_auto:
    if (len(i) * 5) not in glucose_rise_times_outliers and i[-1] not in glucose_rise_magnitudes_outliers:
        glucose_rise_wo_outliers.append(i)
```

```
def extend_list_auto(l):

    rslt = []

    for val in l:
        if len(val) >= len(max(l, key=len)):
            rslt.append(val)
        if len(val) < len(max(l, key=len)):
            a = np.pad(val, (0, (len(max(l, key=len)) - len(val))), mode='edge')
            rslt.append(a)

    return rslt
```

```
glucose_after_carbs_extended_auto = extend_list_auto(glucose_rise_wo_outliers)
```

Visualizing the automatically processed data

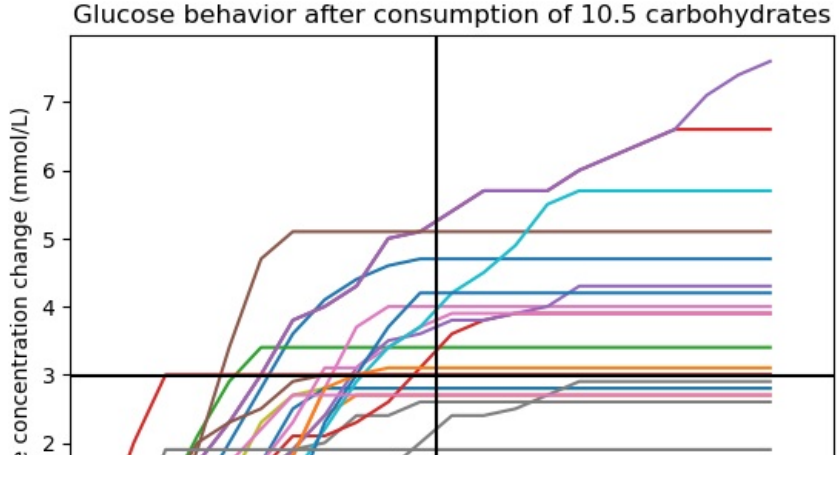
Aggregate plot

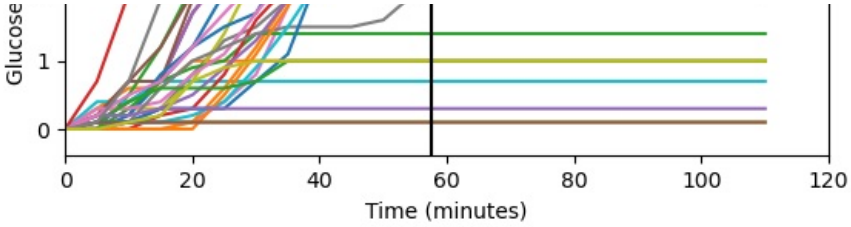
Graph of all glucose increases as a result of 5 'Siripiri's (10.5 carbohydrates) with outliers removed

For the purposes of modeling, it is assumed that glucose concentration is constant before carbohydrate consumption and that it also settles on to a constant level after

The straight black lines in denote the means on each axis; the vertical one being the mean of duration and the horizontal being the mean of glucose concentration. At their intersections, they divide the graph into four rectangles of which the one enclosed by the mean lines and the axes will be the section modeled.

```
plot_aggregate(glucose_after_carbs_extended_auto, 'Glucose behavior after consumption of 10.5 carbohydrates')
plt.axhline(2.983, color="black")
plt.axvline(57.58, color="black")
plt.xlim(0, 120)
plt.savefig(fname='GLucose behavior carbohydrates with means')
```





Visualizing the average glucose curve after carbohydrate consumption

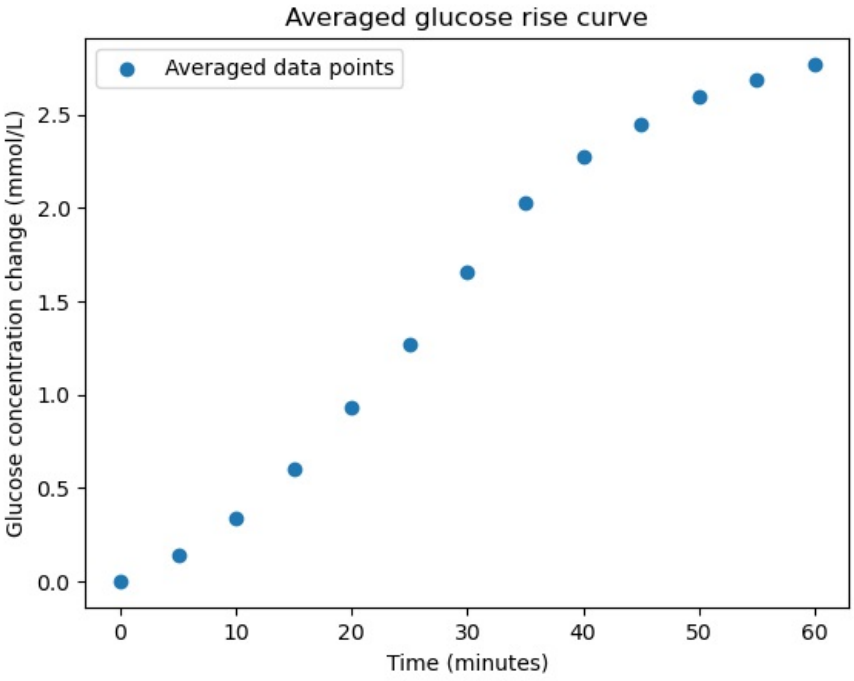
An average glucose curve after carbohydrate consumption is constructed by averaging all glucose rise magnitudes at every 5-minute interval up to mean duration with the assumption of constant, stable ends

```
avg_glucose_curve_auto = [np.mean([x[i] for x in glucose_after_carbs_extended_auto if len(x) > i]) for i in range(int(mean_
```

```
avg_glucose_curve_auto
```

Out[58]:
```
[0.0,
 0.13793103448275854,
 0.33448275862068955,
 0.6034482758620688,
 0.9344827586206896,
 1.2724137931034483,
 1.6551724137931034,
 2.027586206896552,
 2.2758620689655173,
 2.4482758620689653,
 2.596551724137931,
 2.6862068965517243,
 2.768965517241379]
```

```
plt.scatter(x_domain[:len(avg_glucose_curve_auto)], avg_glucose_curve_auto)
plt.xlabel('Time (minutes)')
plt.ylabel('Glucose concentration change (mmol/L)')
plt.title('Averaged glucose rise curve')
plt.legend(['Averaged data points'])
plt.savefig(fname='Avg glucose behavior carbohydrates')
```



Average graph with stable ends

Visualizing and making explicit the assumption of stable ends for ease of modeling distinct change (Automatic setting of start and end magnitudes by curve fit)

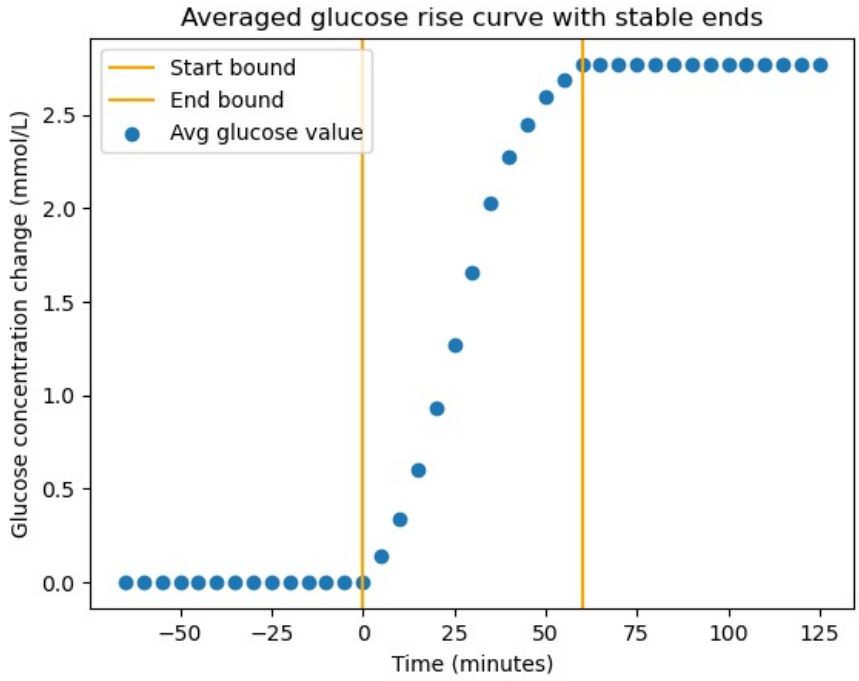
```
extended_avg_glucose_curve_auto = [value for value in avg_glucose_curve_auto]

extension_number = len(avg_glucose_curve_auto)
i11 = 0
```

```
while i11 < extension_number:
    extended_avg_glucose_curve_auto.insert(0, avg_glucose_curve_auto[0])
    extended_avg_glucose_curve_auto.insert(-1, avg_glucose_curve_auto[-1])
    i11 += 1
```

```
x_extended = np.arange(-1000, 1000, 5)
```

```
x_extended_range = x_extended[(200 - extension_number):(200 + len(extended_avg_glucose_curve_auto) - extension_number)]
```

```
plt.scatter(x_extended_range, extended_avg_glucose_curve_auto)
plt.axvline(0, color='orange')
plt.axvline(mean_time_to_5, color='orange')
plt.legend(['Start bound', 'End bound', 'Avg glucose value'])
plt.xlabel('Time (minutes)')
plt.ylabel('Glucose concentration change (mmol/L)')
plt.title('Averaged glucose rise curve with stable ends')
plt.savefig(fname='Avg glucose rise curve with stable ends')
```



Modeling the average glucose curve after carbohydrate consumption

Manual modeling with a logistic function: $\frac{L}{1 + e^{-k(x-x0)}}$

The logistic function is a special case of the generalized logistic function detailed below. It is a more simple sigmoid function that fulfills the requirements of stable ends (asymptotes) and the gradually changing rate of change that is at its peak midway through the transition, closely resembling the S-shape of the data. Its small number of parameters makes it easier to approximate manually. Its solved parameters work as relatively accurate and thus actionable guess values for the curve fitting of the generalized logistic function.

```
def logistic_function(x, L, k, x0):
    return L / (1 + np.exp(-k*(x-x0)))
```

Solving the parameters

L = the curve's maximum value

```
L = avg_glucose_curve_auto[-1]
L
```

Out[65]: 2.768965517241379

Calculate gradients between all points

```
i20 = 0
slopes = []

while i20 < (len(avg_glucose_curve_auto) - 1):
    slopes.append((avg_glucose_curve_auto[i20 + 1] - avg_glucose_curve_auto[i20]) / 5) #all gradients in avg_glucose_curve
    i20 += 1
```

```
x0_steepest = x_domain[slopes.index(max(slopes))] #steepest gradient
x0_steepest
```

Out[67]: 25

x0 = the x value of the sigmoid's midpoint

```
x0_midpoint = x_domain[math.floor(len(avg_glucose_curve_auto) / 2)]
x0_midpoint
```

Out[68]: 30

k = the logistic growth rate or steepness of the curve.

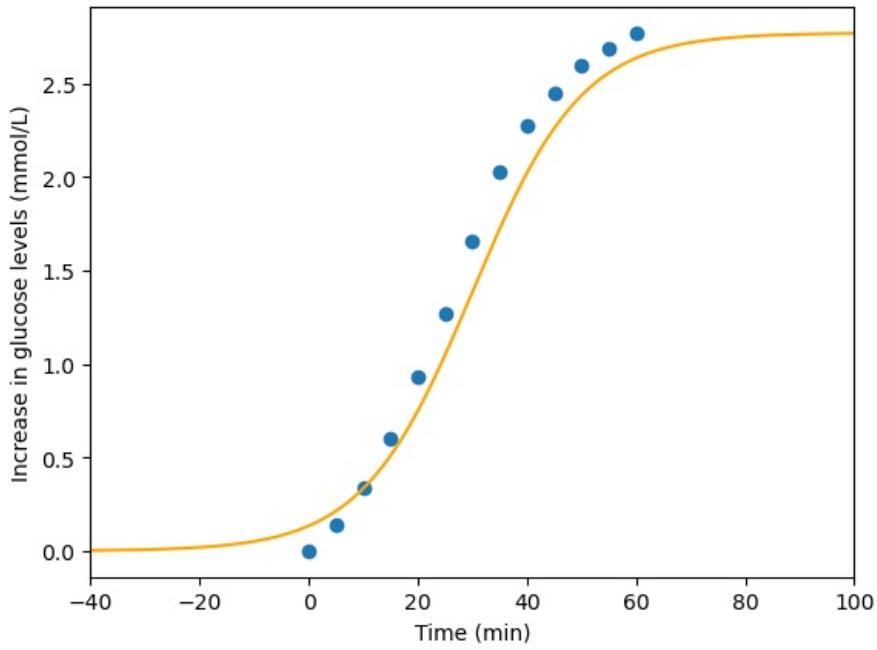
```
k = (np.log((L / avg_glucose_curve_auto[2]) - 1) / 20)
k
```

Out[69]: 0.09924521294949298

```
continuous_x_domain = np.linspace(-180, 180, (2*180*60*60))
```

```
plt.plot(continuous_x_domain, logistic_function(continuous_x_domain, L, k, x0_midpoint), color="orange")
#plt.scatter(x_extended_range, extended_avg_glucose_curve_auto)
plt.scatter(x_domain[:len(avg_glucose_curve_auto)], avg_glucose_curve_auto)
plt.xlim(-40, 100)
plt.xlabel('Time (min)')
plt.ylabel('Increase in glucose levels (mmol/L)')
```

Out[71]: Text(0, 0.5, 'Increase in glucose levels (mmol/L)')



Modeling with the generalized logistic function $F(x) = A + \frac{K - A}{(C + Qe^{-B(x - M)})^{1/v}}$

Generalized logistic function is a sigmoid function that fulfills the requirements of stable ends (asymptotes) and the gradually changing rate of change that is at its peak midway through the transition, closely resembling the S-shape of the data.

Richard's curve was originally developed for growth modeling, which makes it very fitting for modeling glucose concentration changes and the generalized version of the logistic function (that is the Richard's curve) offers the most flexibility for curve fitting due to its large number of parameters.

```
def generalized_logistic_function(x, A, K, C, Q, B, M, v):
    return A + ((K - A) / (C + Q * np.exp(-B*(x - M))) ** (1/v))
```

Defining variables for a continuos model curve

```
continuous_domain_glucose = np.linspace(x_extended_range[0], x_extended_range[-1], 100000)
```

```
continuous_range_glucose_function = interp1d(x_extended_range, extended_avg_glucose_curve_auto, "cubic")
continuous_range_glucose = continuous_range_glucose_function(continuous_domain_glucose)
```

Fitting the curve to the data to get optimal parameters for the model

```
gen_popt, gen_pcov = opt.curve_fit(generalized_logistic_function, continuous_domain_glucose, continuous_range_glucose, [0,
```

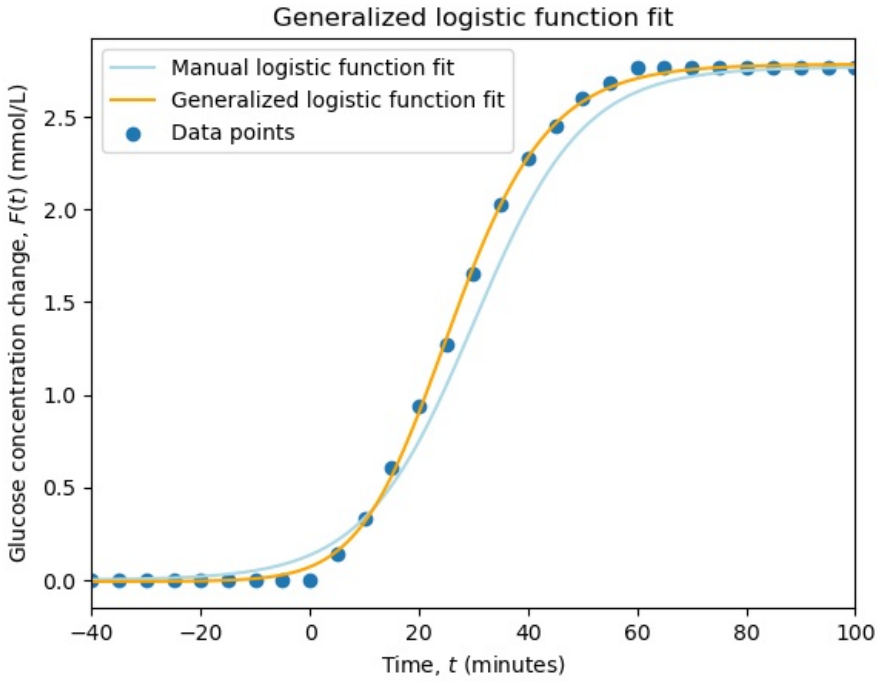
```
C:\Users\Acer\AppData\Local\Temp/ipykernel_30044/3168972260.py:2: RuntimeWarning: overflow encountered in multipl
y
  return A + ((K - A) / (C + Q * np.exp(-B*(x - M))) ** (1/v))
C:\Users\Acer\AppData\Local\Temp/ipykernel_30044/3168972260.py:2: RuntimeWarning: invalid value encountered in po
wer
  return A + ((K - A) / (C + Q * np.exp(-B*(x - M))) ** (1/v))
```

```
gen_popt
```

Out[75]:
```
array([-8.13949398e-03,  2.79432122e+00,  1.00216468e+00,  5.22962804e-01,
        1.00561915e-01,  2.53934331e+01,  5.72357184e-01])
```

Plotting the fitted curve

```
plt.plot(continuous_x_domain, logistic_function(continuous_x_domain, L, k, x0_midpoint), color="lightblue")
plt.plot(continuous_x_domain, generalized_logistic_function(continuous_x_domain, *gen_popt), color="orange")
plt.scatter(x_extended_range, extended_avg_glucose_curve_auto)
plt.xlim(-40, 100)
plt.xlabel('Time, $\it{t}$ (minutes)')
plt.ylabel('Glucose concentration change, $\it{F(t)}$ (mmol/L)')
plt.title('Generalized logistic function fit')
plt.legend(['Manual logistic function fit', 'Generalized logistic function fit', 'Data points'])
plt.savefig(fname='Generalized logistic function fit w manual')
```



Modeling glucose levels after injection of 1 unit of insulin

Defining functions and processing data

A function to get the range of glucose values from maximum to minimum in a 3h interval based on a datetime input

> Call function with `get_glucose_maxmin(concise_data.loc[(slice(None), 'YYYY-MM-DDThh:mm:ss'), 'Timestamp (YYYY-MM-DDThh:mm:ss)'].values)`
>
> where Y = year, M = month, D = day, T = separator, h = hour, m = minute, s = second

3h interval chosen based on both personal experience and official time of action data from Novo Nordisk (the manufacturer), which states that the dosage can be taken anywhere from the start of the meal to 20 minutes after beginning the meal. According to the data, peak effect is reached with all dosages and the insulin concentration has significantly decreased within this interval, while the effect of other variables are minimized. This is the factor dictating the magnitude of both intervals as they must be same for realistic comparison. Minimum to maximum approach as an assumption is a key weakness but one made to offset the effect of other variables such as prior "momentum" of the glucose levels and to make data more easy and clean to process, compare and model.

```
def get_glucose_maxmin(date):
    from_date = tuple(date) #tuple to avoid unhashable type: 'Series' error
    date_format = pd.to_datetime(date) #format object to datetime
    from_date_add_3h = date_format + datetime.timedelta(hours=3) #add 3h to get right bound
    to_date_string = from_date_add_3h.strftime('%Y-%m-%dT%H:%M:%S') #convert to str
    to_date = tuple(to_date_string) #tuple to avoid unhashable type: 'Series' error
    date_3h_range = glucose_woI.loc[from_date:to_date]

    date_range_array = np.array(date_3h_range.reset_index(drop=True))
    max_index = np.where(date_range_array == max(date_range_array))
    min_index = np.where(date_range_array == min(date_range_array))
    max_index_int = int(max_index[0][0]) + 1
    min_index_int = int(min_index[0][0])

    return date_range_array[max_index_int:min_index_int]
```

Get all glucose ranges from maximum to minimum within 3 hours from the injection of 1 unit as the `glucose_after_insulin` list

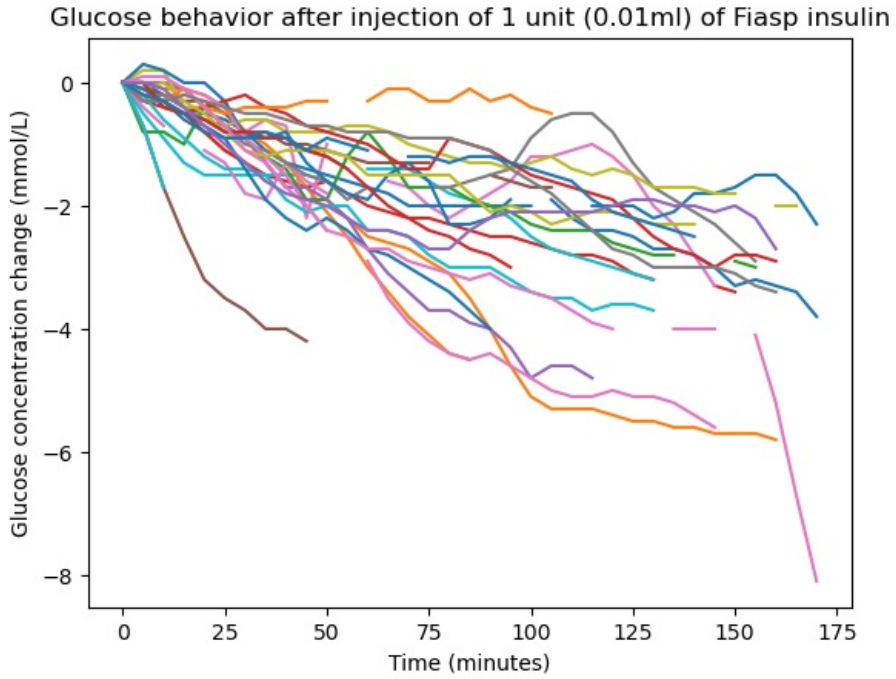
```
glucose_after_insulin = get_range_list(fa_insulin_1u_timing, get_glucose_maxmin)
```

Filter out empty arrays

```
glucose_after_insulin_filtered = [e for e in glucose_after_insulin if e.size > 0]
```

Plot of every instance of glucose behavior after injection of 1 unit of insulin

```
plot_aggregate(glucose_after_insulin_filtered, 'Glucose behavior after injection of 1 unit (0.01ml) of Fiasp insulin')
plt.savefig(fname="Glucose behavior afer injection of 1 unit of insulin")
```



Automatic processing of data

Processing data for aggregate plotting

Process data so that curves start from origin and are continuous to model change and make comparisons clear

```
np_insulin_auto = np.array(glucose_after_insulin_filtered, dtype=object)
```

```
glucose_series_insulin_fill = np_insulin_auto
i8 = 0

for val in np_insulin_auto:
    glucose_series_insulin_fill[i8] = pd.to_numeric(pd.Series(glucose_series_insulin_fill[i8]), errors='coerce').fillna(me
    i8 += 1
```

```
glucose_series_insulin = []
i7 = 0

for value in glucose_series_insulin_fill:
    glucose_series_insulin.append(value - value[0]) #Make all values start from zero
```

```
    i7 += 1
```

Get glucose values ranging from highest value after injecting one unit of insulin (0.03ml) to the first minimum to isolate the effect of insulin injection from later actions in the 3h interval

```
def get_glucose_max_first_min(l):

    i = 1

    result = []

    while l[i] <= l[i - 1]:
        result.append(l[i - 1])
        i += 1
        if i == len(l) or l[i] > l[i - 1]:
            result.append(l[i - 1])
            break

    return result
```

```
glucose_max_first_min_auto = [get_glucose_max_first_min(arr) for arr in glucose_series_insulin]
```

```
glucose_max_first_min = [e for e in glucose_max_first_min_auto if len(e) > 0]
```

Average time for glucose to reach minimum concentration after carbohydrate consumption

```
avg_time_for_glucose_drop_auto = get_avg_time_auto(glucose_max_first_min)
avg_time_for_glucose_drop_auto
```

Out[87]: 54.06976744186046

Calculating quartiles for duration

Quartiles are calculated to remove outliers and to reveal general information about the data

```
glucose_drop_times = [len(i) * 5 for i in glucose_max_first_min] # * 5 for minutes
glucose_drop_times.sort()
glucose_drop_times
```

Out[88]:
```
[10,
 10,
 15,
 15,
 15,
 15,
 15,
 15,
 20,
 20,
 20,
 20,
 20,
 20,
 20,
 25,
 30,
 30,
 35,
 35,
 40,
 50,
 50,
 50,
 50,
 50,
 55,
 55,
 60,
 60,
 75,
 80,
 85,
 90,
 90,
 90,
 90,
 90,
 100,
 105,
 110,
 110,
```

```
135,
170]
```

Lower quartile Q_1 = $\frac{n + 1}{4}$th value

(Decimals handled according to: https://brilliant.org/wiki/data-interquartile-range/: Q_1 = *n*th value + 0.dd $\times$ ((*n + 1*)th observation - *n*th observation)

```
glucose_drop_times_q1 = glucose_drop_times[int((len(glucose_drop_times) + 1) * (1/4) - 1)] + ((((len(glucose_drop_times) +
glucose_drop_times_q1
```

Out[89]: 20.0

Median Q_2 = $\frac{n + 1}{2}$th value

```
glucose_drop_times_q2 = glucose_drop_times[int((len(glucose_drop_times) + 1) * (2/4) - 1)] + ((((len(glucose_drop_times) +
glucose_drop_times_q2
```

Out[90]: 50.0

Upper quartile Q_3 = $\frac{3n + 1}{4}$th value

```
glucose_drop_times_q3 = glucose_drop_times[int((len(glucose_drop_times) + 1) * (3/4) - 1)] + ((((len(glucose_drop_times) +
glucose_drop_times_q3
```

Out[91]: 90.0

Interquartile range IQR (Q_3 - Q_1)

```
glucose_drop_times_IQR = glucose_drop_times_q3 - glucose_drop_times_q1
glucose_drop_times_IQR
```

Out[92]: 70.0

Finding outliers

Upper limit

```
glucose_drop_times_IGQ_upper_limit = glucose_drop_times_q3 + 1.5 * glucose_drop_times_IQR
glucose_drop_times_IGQ_upper_limit
```

Out[93]: 195.0

Lower limit

```
glucose_drop_times_IGQ_lower_limit = glucose_drop_times_q1 - 1.5 * glucose_drop_times_IQR
glucose_drop_times_IGQ_lower_limit
```

Out[94]: -85.0

Taking out outliers

```
glucose_drop_times_wo_outliers = []
glucose_drop_times_outliers = []

for i in glucose_drop_times:
    if i < glucose_drop_times_IGQ_upper_limit and i > glucose_drop_times_IGQ_lower_limit:
        glucose_drop_times_wo_outliers.append(i)
    else:
        glucose_drop_times_outliers.append(i)

print(glucose_drop_times_wo_outliers)
print(glucose_drop_times_outliers)
```

```
[10, 10, 15, 15, 15, 15, 15, 15, 20, 20, 20, 20, 20, 20, 25, 30, 30, 35, 35, 40, 50, 50, 50, 50, 50, 55, 55, 60,
60, 75, 80, 85, 90, 90, 90, 90, 90, 100, 105, 110, 110, 135, 170]
[]
```

```
glucose_series_insulin_wo_time_outliers = []

for i in glucose_max_first_min_auto:
    if (len(i) * 5) not in glucose_drop_times_outliers:
        glucose_series_insulin_wo_time_outliers.append(i)
```

Mean time

```
mean_time_insulin = stats.mean(glucose_drop_times_wo_outliers)
mean_time_insulin
```

Out[97]: 54.06976744186046

Rounding mean time up for modeling

```
i10 = 0

if round(mean_time_insulin) % 5 == 0:
    mean_time_insulin_to_5 = round(mean_time_insulin)
else:
    while round(mean_time_insulin) % 5 != 0:
        mean_time_insulin_to_5 = round(mean_time_insulin) + i10
        i10 += 1
        if mean_time_insulin_to_5 % 5 == 0:
            break
```

```
mean_time_insulin_to_5
```

Out[99]: 55

Statistical characteristics of the time data according to Pandas

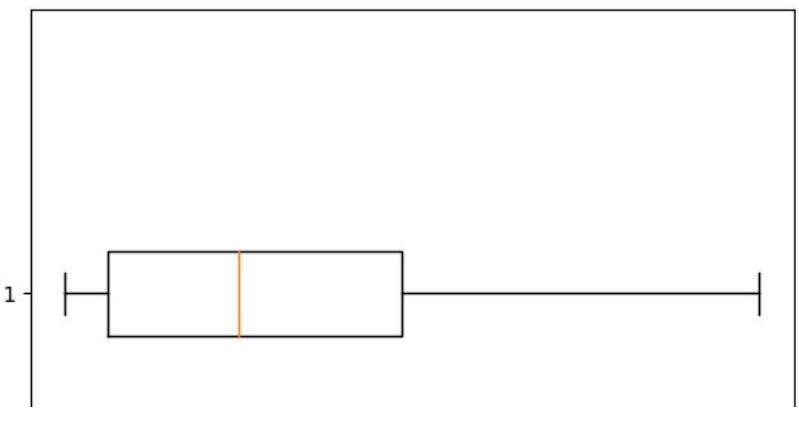
```
glucose_drop_times_stats = pd.Series(glucose_drop_times)
```

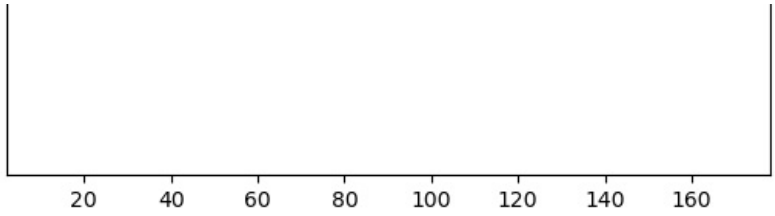
```
glucose_drop_times_stats.describe()
```

Out[101…
```
count     43.000000
mean      54.069767
std       38.595210
min       10.000000
25%       20.000000
50%       50.000000
75%       87.500000
max      170.000000
dtype: float64
```

```
plt.boxplot(glucose_drop_times, vert=False) #matplotlib employes https://en.wikipedia.org/wiki/Quartile method 2
```

Out[102…
```
{'whiskers': [<matplotlib.lines.Line2D at 0x2101c2fd1c0>,
  <matplotlib.lines.Line2D at 0x2101c2fd520>],
 'caps': [<matplotlib.lines.Line2D at 0x2101c2fd8b0>,
  <matplotlib.lines.Line2D at 0x2101c2fdc40>],
 'boxes': [<matplotlib.lines.Line2D at 0x2101c2e9df0>],
 'medians': [<matplotlib.lines.Line2D at 0x2101c2fdfd0>],
 'fliers': [<matplotlib.lines.Line2D at 0x2101c3133a0>],
 'means': []}
```





Calculating quartiles for end magnitude

Quartiles are calculated to remove outliers and to reveal general information about the data

Finding minimum value of each instance (maximum effect of insulin)

```
glucose_drop_magnitudes = []

for i in glucose_max_first_min:
    glucose_drop_magnitudes.append(i[-1])

glucose_drop_magnitudes.sort()
glucose_drop_magnitudes
```

Out[103…
```
[-7.6000000000000005,
 -6.0,
 -5.7,
 -4.9,
 -4.800000000000001,
 -4.5,
 -4.5,
 -4.4,
 -4.2,
 -4.199999999999999,
 -3.5,
 -3.1999999999999993,
 -3.0,
 -2.6999999999999993,
 -2.4000000000000004,
 -2.2,
 -2.0999999999999996,
 -1.9000000000000004,
 -1.9000000000000004,
 -1.7999999999999998,
 -1.7000000000000002,
 -1.7000000000000002,
 -1.6999999999999993,
 -1.6999999999999993,
 -1.6999999999999993,
 -1.5999999999999996,
 -1.4000000000000004,
 -1.3999999999999995,
 -1.0,
 -0.9000000000000004,
 -0.7999999999999989,
 -0.7000000000000011,
 -0.5,
 -0.40000000000000036,
 -0.3000000000000007,
 -0.3000000000000007,
 -0.29999999999999893,
 -0.09999999999999964,
 -0.09999999999999964,
 -0.09999999999999964,
 -0.09999999999999964,
 0.0,
 0.0]
```

Lower quartile Q_1 = $\frac{n + 1}{4}$th value

(Decimals handled according to: https://brilliant.org/wiki/data-interquartile-range/: Q_1 = *n*th value + 0.dd $\times$ ((*n + 1*)th observation - *n*th observation)

```
glucose_drop_magnitudes_q1 = glucose_drop_magnitudes[int((len(glucose_drop_magnitudes) + 1) * (1/4) - 1)] + ((((len(glucos
glucose_drop_magnitudes_q1
```

Out[104…
```
-3.5
```

Median Q_2 = $\frac{n + 1}{2}$th value

```
glucose_drop_magnitudes_q2 = glucose_drop_magnitudes[int((len(glucose_drop_magnitudes) + 1) * (2/4) - 1)] + ((((len(glucos
```

```
glucose_drop_magnitudes_q2 = glucose_drop_magnitudes[int((len(glucose_drop_magnitudes) + 1) * (2/4) - 1)] + ((((len(glucos
glucose_drop_magnitudes_q2
```

Out[105… -1.7000000000000002

Upper quartile Q_3 = $\frac{3n + 1}{4}$th value

```
glucose_drop_magnitudes_q3 = glucose_drop_magnitudes[int((len(glucose_drop_magnitudes) + 1) * (3/4) - 1)] + ((((len(glucos
glucose_drop_magnitudes_q3
```

Out[106… -0.5

Interquartile range IQR (Q_3 - Q_1)

```
glucose_drop_magnitudes_IQR = glucose_drop_magnitudes_q3 - glucose_drop_magnitudes_q1
glucose_drop_magnitudes_IQR
```

Out[107… 3.0

Finding outliers

Upper limit

```
glucose_drop_magnitudes_IGQ_upper_limit = glucose_drop_magnitudes_q3 + 1.5 * glucose_drop_magnitudes_IQR
glucose_drop_magnitudes_IGQ_upper_limit
```

Out[108… 4.0

Lower limit

```
glucose_drop_magnitudes_IGQ_lower_limit = glucose_drop_magnitudes_q1 - 1.5 * glucose_drop_magnitudes_IQR
glucose_drop_magnitudes_IGQ_lower_limit
```

Out[109… -8.0

```
glucose_drop_magnitudes_wo_outliers = []
glucose_drop_magnitudes_outliers = []

for i in glucose_drop_magnitudes:
    if i < glucose_drop_magnitudes_IGQ_upper_limit and i > glucose_drop_magnitudes_IGQ_lower_limit:
        glucose_drop_magnitudes_wo_outliers.append(i)
    else:
        glucose_drop_magnitudes_outliers.append(i)

print('Magnitudes without outliers:', glucose_drop_magnitudes_wo_outliers)
print('Outliers:', glucose_drop_magnitudes_outliers)
```

```
Magnitudes without outliers: [-7.6000000000000005, -6.0, -5.7, -4.9, -4.800000000000001, -4.5, -4.5, -4.4, -4.2,
-4.199999999999999, -3.5, -3.1999999999999993, -3.0, -2.6999999999999993, -2.4000000000000004, -2.2, -2.099999999
9999996, -1.9000000000000004, -1.9000000000000004, -1.7999999999999998, -1.7000000000000002, -1.7000000000000002,
-1.6999999999999993, -1.6999999999999993, -1.6999999999999993, -1.5999999999999996, -1.4000000000000004, -1.39999
99999999995, -1.0, -0.9000000000000004, -0.7999999999999989, -0.7000000000000011, -0.5, -0.40000000000000036, -0.
3000000000000007, -0.3000000000000007, -0.29999999999999893, -0.09999999999999964, -0.09999999999999964, -0.09999
999999999964, -0.09999999999999964, 0.0, 0.0]
Outliers: []
```

```
glucose_series_insulin_wo_magnitudes_outliers = []

for i in glucose_max_first_min:
    if any(i) not in glucose_drop_magnitudes_outliers:
        glucose_series_insulin_wo_magnitudes_outliers.append(i)
```

Mean magnitude

```
stats.mean(glucose_drop_magnitudes_wo_outliers)
```

Out[112… -2.186046511627907

Glucose rise with no outliers

```
glucose_drop_wo_outliers = []

for i in glucose_max_first_min:
    if (len(i) * 5) not in glucose_drop_times_outliers and i[-1] not in glucose_drop_magnitudes_outliers:
        glucose_drop_wo_outliers.append(i)
```

```
def extend_list_auto(l):

    rslt = []

    for val in l:
        if len(val) >= len(max(l, key=len)):
            rslt.append(val)
        if len(val) < len(max(l, key=len)):
            a = np.pad(val, (0, (len(max(l, key=len)) - len(val))), mode='edge')
            rslt.append(a)

    return rslt
```

```
glucose_after_insulin_extended_auto = extend_list_auto(glucose_drop_wo_outliers)
```

Visualizing the automatically processed data

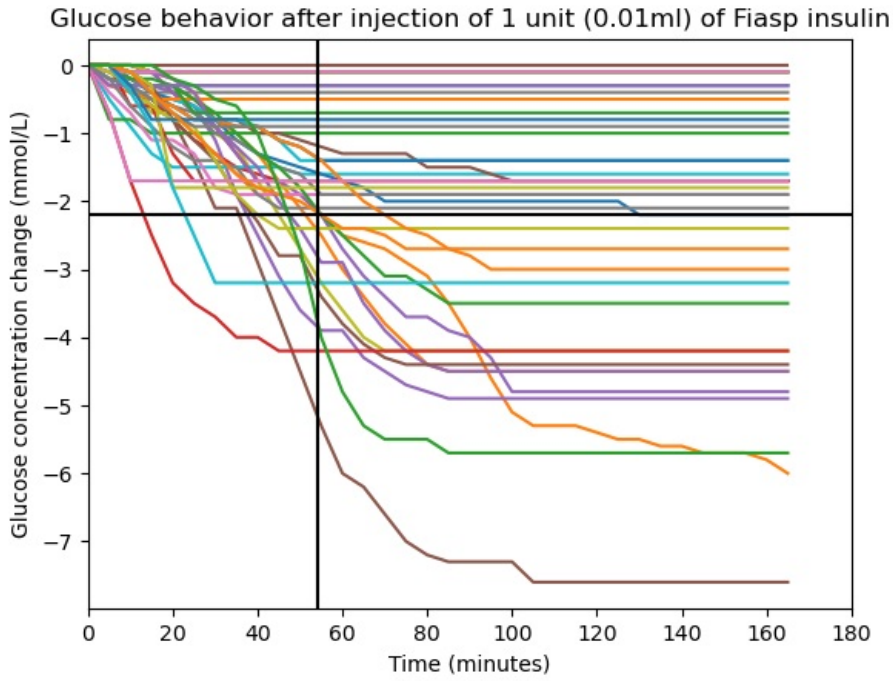
Aggregate plot

Graph of all glucose increases as a result of 1 unit of insulin with outliers removed

For the purposes of modeling, it is assumed that glucose concentration is constant before carbohydrate consumption and that it also settles on to a constant level after

The straight black lines in denote the means on each axis; the vertical one being the mean of duration and the horizontal being the mean of glucose concentration. At their intersections, they divide the graph into four rectangles of which the one enclosed by the mean lines and the axes will be the section modeled.

```
plot_aggregate(glucose_after_insulin_extended_auto, 'Glucose behavior after injection of 1 unit (0.01ml) of Fiasp insulin'
plt.axhline(-2.186, color="black")
plt.axvline(54.07, color="black")
plt.xlim(0, 180)
plt.savefig(fname='GLucose behavior insulin with means')
```



Visualizing the average glucose curve after insulin injection

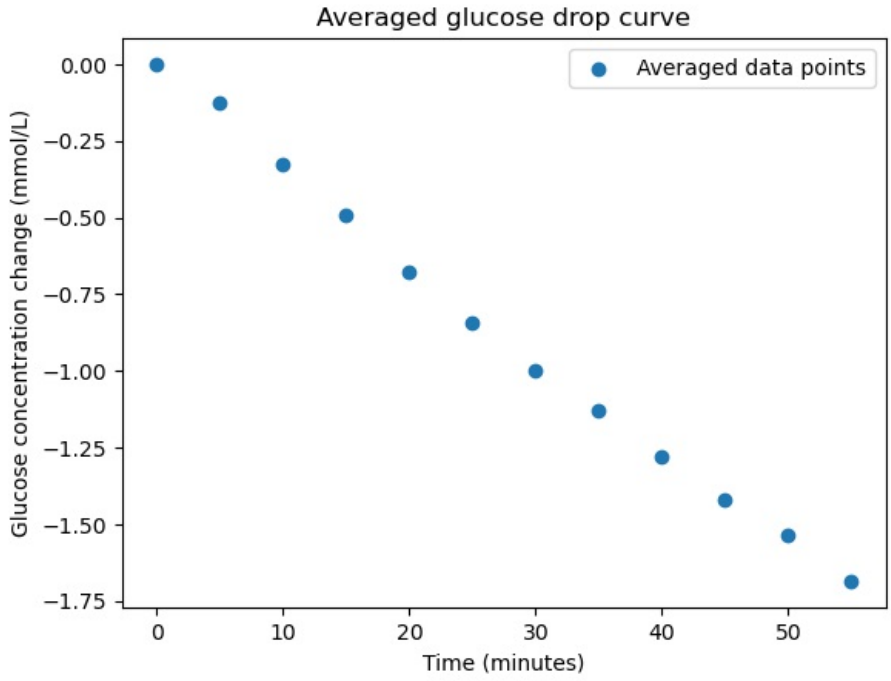
An average glucose curve after insulin injection is constructed by averaging all glucose rise magnitudes at every 5-minute interval up to mean duration with the assumption of constant, stable ends

```
avg_glucose_curve_insulin = [np.mean([x[i] for x in glucose_after_insulin_extended_auto if len(x) > i]) for i in range(int
```

```
avg_glucose_curve_insulin
```

Out[118…
```
[0.0,
 -0.127906976744186,
 -0.32790697674418595,
 -0.4930232558139534,
 -0.6790697674418603,
 -0.8418604651162788,
 -1.0,
 -1.1302325581395352,
 -1.2790697674418603,
 -1.4186046511627908,
 -1.5348837209302326,
 -1.686046511627907]
```

```
plt.scatter(x_domain[:len(avg_glucose_curve_insulin)], avg_glucose_curve_insulin)
plt.xlabel('Time (minutes)')
plt.ylabel('Glucose concentration change (mmol/L)')
plt.title('Averaged glucose drop curve')
plt.legend(['Averaged data points'])
plt.savefig(fname='Avg glucose behavior insulin')
```



Average graph with stable ends

Visualizing and making explicit the assumption of stable ends for ease of modeling distinct change (Automatic setting of start and end magnitudes by curve fit)

```
extended_avg_glucose_curve_insulin = [value for value in avg_glucose_curve_insulin]

extension_number_insulin = len(avg_glucose_curve_insulin)
i12 = 0

while i12 < extension_number_insulin:
    extended_avg_glucose_curve_insulin.insert(0, avg_glucose_curve_insulin[0])
    extended_avg_glucose_curve_insulin.insert(-1, avg_glucose_curve_insulin[-1])
    i12 += 1
```

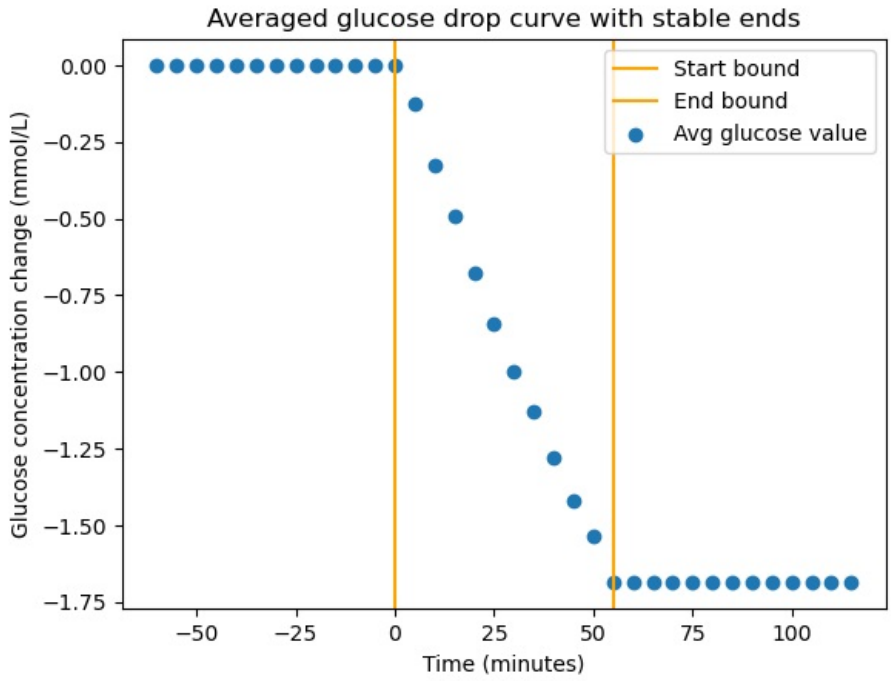
```
x_extended_range_insulin = x_extended[(200 - extension_number_insulin):(200 + len(extended_avg_glucose_curve_insulin) - ex
```

```
x_extended_range_insulin
```

Out[122…
```
array([-60, -55, -50, -45, -40, -35, -30, -25, -20, -15, -10,  -5,   0,
         5,  10,  15,  20,  25,  30,  35,  40,  45,  50,  55,  60,  65,
        70,  75,  80,  85,  90,  95, 100, 105, 110, 115])
```

```
plt.scatter(x_extended_range_insulin, extended_avg_glucose_curve_insulin)
plt.axvline(0, color='orange')
```

```
plt.axvline(mean_time_insulin_to_5, color='orange')
plt.legend(['Start bound', 'End bound', 'Avg glucose value'])
plt.xlabel('Time (minutes)')
plt.ylabel('Glucose concentration change (mmol/L)')
plt.title('Averaged glucose drop curve with stable ends')
plt.savefig(fname='Avg glucose drop curve with stable ends')
```



Modeling the average glucose curve after carbohydrate consumption

Manual modeling with a piecewise linear function

$$ G(x)= \left\{ \begin{array}{ll} a(t - t_tr) + b & t<t_0 \\ c(t - t_tr) + d & t_0 \ge t < t_1 \\ e(t - t_tr) + h & t > t_1 \\ \end{array} \right. $$

The data for insulin injection appears to be linearly decreasing, following a downward sloping line and so implying a linear function. This, however, cannot satisfy the assumption of stable ends as it would continue indefinitely. The model must start and end on discrete levels, which can be achieved by either a sigmoid function or a piecewise fuction, which enables the defining of different functions for different domain intervals. Choosing the latter offers the greatest amount of flexibility and enables modeling the change with a linear function, keeping the stable ends. This way the change is clearly defined.

```
def manual_piecewise_linear(t, t0, t1, t_trans, a, b, c, d, e, h):
    condlist = [(t - t_trans) < t0, ((t - t_trans) >= t0) & ((t - t_trans) < t1), (t - t_trans) >= t1]
    funclist = [lambda t: a*(t - t_trans) + b, lambda t: c*(t - t_trans) + d, lambda t: e*(t - t_trans) + h]
    return np.piecewise(t, condlist, funclist)
```

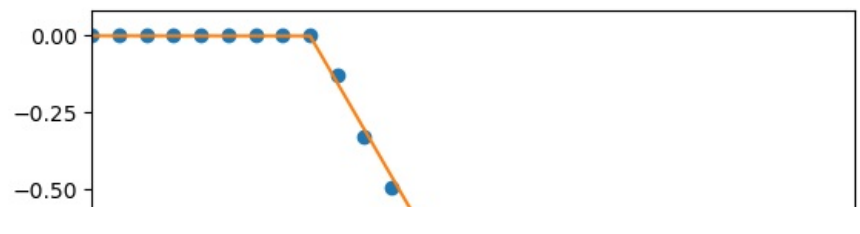
```
t0 = 0 #1st breakpoint
t1 = mean_time_insulin_to_5 #2nd breakpoint
t_trans = 0 #transformation parameter
a = 0 #slope of sub-function 1
b = 0 #y-intercept of sub-function 1
c = (avg_glucose_curve_insulin[-1] - avg_glucose_curve_insulin[0]) / mean_time_insulin_to_5 #slope of sub-function 2
d = 0 #y-intercept of sub-function 2
e = 0 #slope of sub-function 3
h = avg_glucose_curve_insulin[-1] #y-intercept of sub-function 3
```

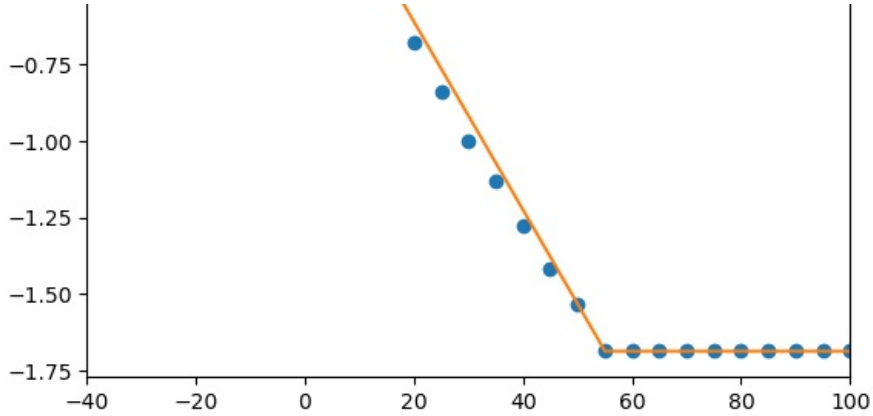
Plotting the manual piecewise linear model

```
continuous_domain_insulin = np.linspace(x_extended_range_insulin[0], x_extended_range_insulin[-1], 100000)
continuous_range_insulin_function = interp1d(x_extended_range_insulin, extended_avg_glucose_curve_insulin, "linear")
continuous_range_insulin = continuous_range_insulin_function(continuous_domain_insulin)
```

```
plt.plot(x_extended_range_insulin, extended_avg_glucose_curve_insulin, "o")
plt.plot(continuous_domain_insulin, manual_piecewise_linear(continuous_domain_insulin, t0, t1, t_trans, a, b, c, d, e, h))
plt.xlim(-40, 100)
```

Out[127… (-40.0, 100.0)





Completing the curve fit by estimating `t_trans` and `c`

```
def fit_piecewise_linear(t, t_trans, c):
    condlist = [(t - t_trans) < t0, ((t - t_trans) >= t0) & ((t - t_trans) < t1), (t - t_trans) >= t1]
    funclist = [lambda t: a*(t - t_trans) + b, lambda t: c*(t - t_trans) + d, lambda t: e*(t - t_trans) + h]
    return np.piecewise(t, condlist, funclist)
```

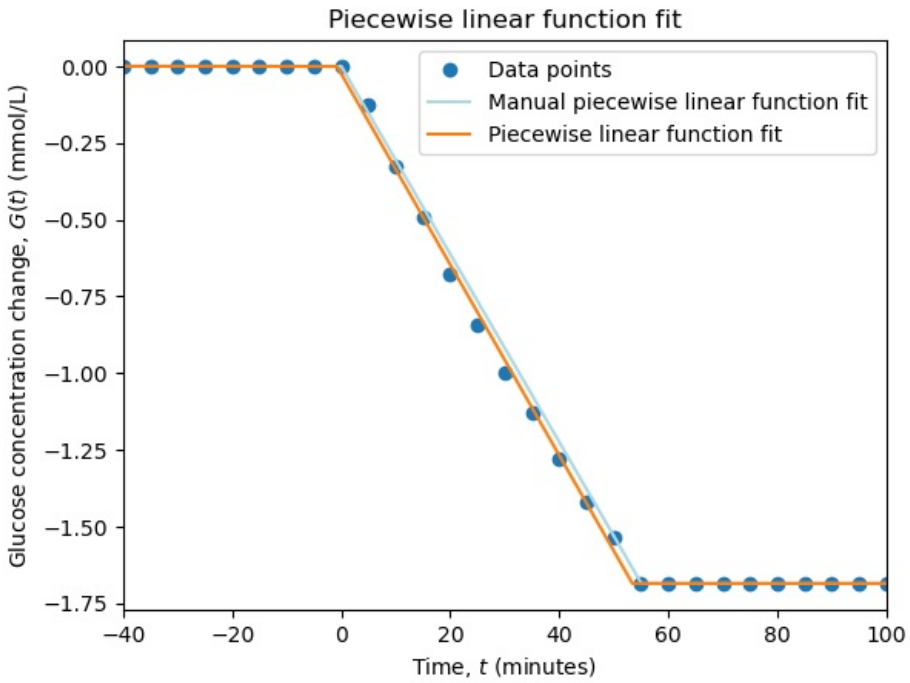
```
popt_insulin, pcov_insulin = opt.curve_fit(fit_piecewise_linear, continuous_domain_insulin, continuous_range_insulin, [t_t
```

```
popt_insulin
```

Out[130… array([-0.79560825, -0.03111161])

```
t1_new = t1 + popt_insulin[0]
```

```
plt.plot(x_extended_range_insulin, extended_avg_glucose_curve_insulin, "o")
plt.plot(continuous_domain_insulin, manual_piecewise_linear(continuous_domain_insulin, t0, t1, t_trans, a, b, c, d, e, h),
plt.plot(continuous_domain_insulin, manual_piecewise_linear(continuous_domain_insulin, t0, t1_new, popt_insulin[0], a, b,
plt.xlim(-40, 100)
plt.xlabel('Time, $\it{t}$ (minutes)')
plt.ylabel('Glucose concentration change, $\it{G(t)}$ (mmol/L)')
plt.title('Piecewise linear function fit')
plt.legend(['Data points', 'Manual piecewise linear function fit', 'Piecewise linear function fit'])
plt.savefig(fname='piecewise linear fit')
```



Calculating optimal timing based on models

Setting the x-axis scale to allow the examination of all relevant x-transformations

```
domain = np.linspace(-(mean_time_to_5 + mean_time_insulin_to_5*2), mean_time_to_5 + mean_time_insulin_to_5*2, 2*(mean_time_
```

x-transformation parameter

```
x_trans = [t0, t1_new, a, b, popt_insulin[1], d, e, h]
x_trans.append(0) #Horizontal shift
x_trans
```

Out[134…
```
[0,
 54.20439174954004,
 0,
 0,
 -0.031111607516192213,
 0,
 0,
 -1.686046511627907,
 0]
```

Piecewise linear function with an x-transformation parameter

```
def piecewise_linear_trans(x, x0, x1, a, b, c, d, e, h, x_trans):
    condlist = [(x + x_trans) < x0, ((x + x_trans) >= x0) & ((x + x_trans) < x1), (x + x_trans) >= x1]
    funclist = [lambda x: a*(x + x_trans) + b, lambda x: c*(x + x_trans) + d, lambda x: e*(x + x_trans) + h]
    return np.piecewise(x, condlist, funclist)
```

Combined function

```
combined_function = generalized_logistic_function(domain, *gen_popt) + piecewise_linear_trans(domain, *x_trans) - gen_popt
```

Area under the combined function

Definite integral start value

```
integral_start = -(mean_time_to_5 + mean_time_insulin_to_5)
integral_start
```

Out[137…
```
-115
```

Definite integral end value

```
integral_end = mean_time_to_5 + mean_time_insulin_to_5
integral_end
```

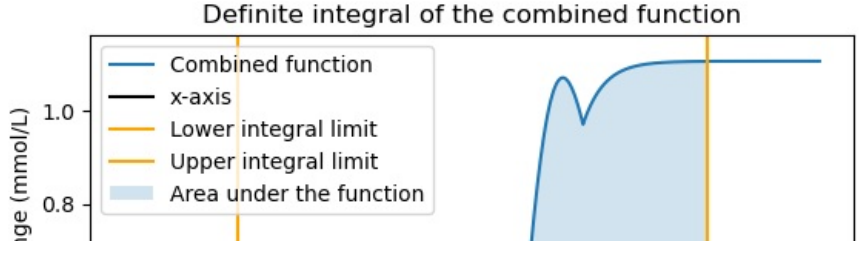
Out[138…
```
115
```

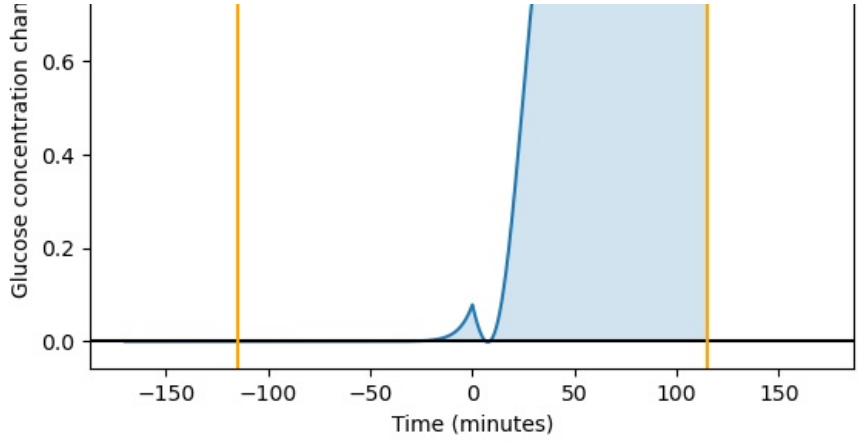
Definite integral of the combined function F(x) + G(x)

$\int\limits_{-115}^{115} F(x) + G(x)dx$

$\int\limits_{-115}^{115} A + \frac{K - A}{(C + Qe^{-Bt})^{1/v}} + \left\{ \begin{array}{ll} a(t - t_tr) + b & t<t_0 \\ c(t - t_tr) + d & t_0 \ge t < t_1 \\ e(t - t_tr) + h & t > t_1 \\ \end{array} \right. $

```
plt.plot(domain, combined_function)
plt.axhline(color="black")
plt.fill_between(domain, combined_function, where = [(x > integral_start) and (x < integral_end) for x in domain], alpha=0
plt.axvline(integral_start, color="orange")
plt.axvline(integral_end, color="orange")
plt.legend(['Combined function', 'x-axis', 'Lower integral limit', 'Upper integral limit', 'Area under the function'])
plt.xlabel('Time (minutes)')
plt.ylabel('Glucose concentration change (mmol/L)')
plt.title('Definite integral of the combined function')
plt.savefig(fname='Definite integral of the combined function')
```





Area under combined function (Symbolic method (slow))

Symbols used

```
x, A, K, C, Q, B, M, v, t0, t1, a, b, c, d, e, h = sy.symbols('x, A, K, C, Q, B, M, v, t0, t1, a, b, c, d, e, h')
```

Area under `generalized_logistic_function`

```
symbolic_generalized_logistic_function = A + ((K - A) / (C + Q * sy.exp(-B*(x - M))) ** (1/v))
symbolic_generalized_logistic_function
```

Out[164… $\displaystyle A + \left(- A + K\right) \left(C + Q e^{- B \left(- M + x\right)}\right)^{- \frac{1}{v}}$

Generalized logistic function with optimized parameter values

```
generalized_logistic_function_w_values = symbolic_generalized_logistic_function.subs({A:gen_popt[0], K:gen_popt[1], C:gen_
generalized_logistic_function_w_values
```

Out[142… $\displaystyle \frac{0.100410838162034}{\left(0.149090020570499 + e^{- 0.100561915353152 x}\right)^{1.74716073770267}} - 0.00813949398097104$

```
generalized_logistic_function_integral = sy.integrate(abs(generalized_logistic_function_w_values), (x, integral_start, int
generalized_logistic_function_area = generalized_logistic_function_integral.evalf()
generalized_logistic_function_area
```

Out[143… $\displaystyle 245.1$

Area under `piecewise_linear`

```
x_transformation = sy.Symbol('x_trans')
```

```
symbolic_piecewise_linear = sy.Piecewise((a*(x + x_transformation) + b, (x + x_transformation) < t0), (c*(x + x_transforma
symbolic_piecewise_linear
```

Out[145… $\displaystyle \begin{cases} a \left(x + x_{trans}\right) + b & \text{for}\: t_{0} > x + x_{trans} \\c \left(x + x_{trans}\right) + d & \text{for}\: t_{1} > x + x_{trans} \\e \left(x + x_{trans}\right) + h & \text{otherwise} \end{cases}$

Piecewise linear function with optimized parameter values

```
piecewise_linear_w_values = symbolic_piecewise_linear.subs({t0:x_trans[0], t1:x_trans[1], a:x_trans[2], b:x_trans[3], c:x_
piecewise_linear_w_values
```

Out[146… $\displaystyle \begin{cases} 0 & \text{for}\: x < 0 \\- 0.0311116075161922 x & \text{for}\: x < 54.20439174954 \\-1.68604651162791 & \text{otherwise} \end{cases}$

```
piecewise_linear_area = sy.integrate(abs(piecewise_linear_w_values), (x, integral_start, integral_end))
piecewise_linear_area
```

Out[147… $\displaystyle 148.20898044878$

Area under the combined curve

```
co_fu = generalized_logistic_function_w_values + piecewise_linear_w_values
co_fu
```

Out[148… $\displaystyle \frac{0.100410838162034}{\left(0.149090020570499 + e^{- 0.100561915353152 x}\right)^{1.74716073770267}} + \begin{cases} 0 & \text{for}\: x < 0 \\- 0.0311116075161922 x & \text{for}\: x < 54.20439174954 \\-1.68604651162791 & \text{otherwise} \end{cases} - 0.00813949398097104$

```
area_under_combined_curve = generalized_logistic_function_area - piecewise_linear_area
area_under_combined_curve
```

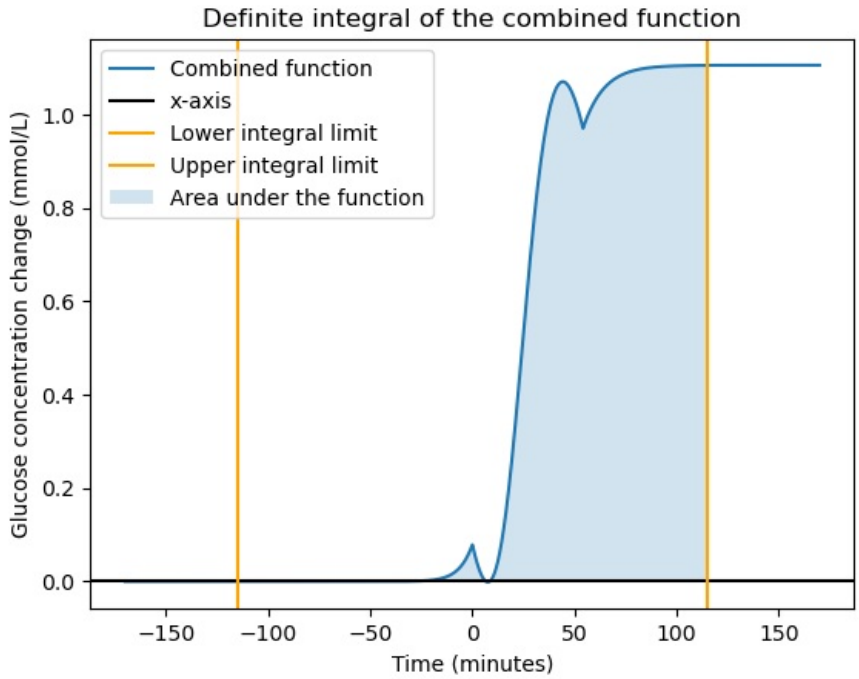
Out[149… $\displaystyle 96.8652383012202$

Area under combined function (Numerical method (faster))

```
combined_function_w_values = generalized_logistic_function_w_values + piecewise_linear_w_values
combined_function_defined_parameters = sy.lambdify(x, combined_function_w_values)
```

```
plt.plot(domain, combined_function_defined_parameters(domain) - gen_popt[0])
plt.axhline(color="black")
plt.fill_between(domain, combined_function, where = [(x > integral_start) and (x < integral_end) for x in domain], alpha=0
plt.axvline(integral_start, color="orange")
plt.axvline(integral_end, color="orange")
plt.legend(['Combined function', 'x-axis', 'Lower integral limit', 'Upper integral limit', 'Area under the function'])
plt.xlabel('Time (minutes)')
plt.ylabel('Glucose concentration change (mmol/L)')
plt.title('Definite integral of the combined function')
```

Out[259… Text(0.5, 1.0, 'Definite integral of the combined function')




```
combined_function_area = integrate.quad(lambda x: abs(combined_function_defined_parameters(x)), integral_start, integral_e
combined_function_area
```

Out[152… (96.92766759393211, 1.2990572315629834e-06)

Compute all possible x-transformations within the domain

```
i12 = 0
list_of_x_trans = []
while i12 < len(domain):
    x_transf = [x_trans[0], x_trans[1], x_trans[2], x_trans[3], x_trans[4], x_trans[5], x_trans[6], x_trans[7], domain[i12
    list_of_x_trans.append(x_transf)
    i12 += 1
```

Compute linear piecewise function with all x-transformations

```
plwtv = []
i13 = 0

while i13 < len(list_of_x_trans):
    piecewise_linear_w_trans_values = symbolic_piecewise_linear.subs({t0:x_trans[0], t1:x_trans[1], a:x_trans[2], b:x_tran
    plwtv.append(piecewise_linear_w_trans_values)
    i13 += 1
```

Combine the generalized logistic function with linear piecewise function for each x-transformation

```
comb_funcs = []
i14 = 0

while i14 < len(plwtv):
    comb_funcs.append(sy.lambdify(x, (generalized_logistic_function_w_values + plwtv[i14])))
    i14 += 1
```

Integrate the combined function to get the definite integral, area, for each x-transformation

```
areas = []
i15 = 0

while i15 < len(comb_funcs):
    areas.append(integrate.quad(lambda x: abs(comb_funcs[i15](x)), integral_start, integral_end, limit=100))
    i15 += 1
```

```
C:\Users\Acer\AppData\Local\Temp/ipykernel_30044/569309330.py:5: IntegrationWarning: The occurrence of roundoff e
rror is detected, which prevents
  the requested tolerance from being achieved.  The error may be
  underestimated.
  areas.append(integrate.quad(lambda x: abs(comb_funcs[i15](x)), integral_start, integral_end, limit=100))
```

Display areas only without error assesment

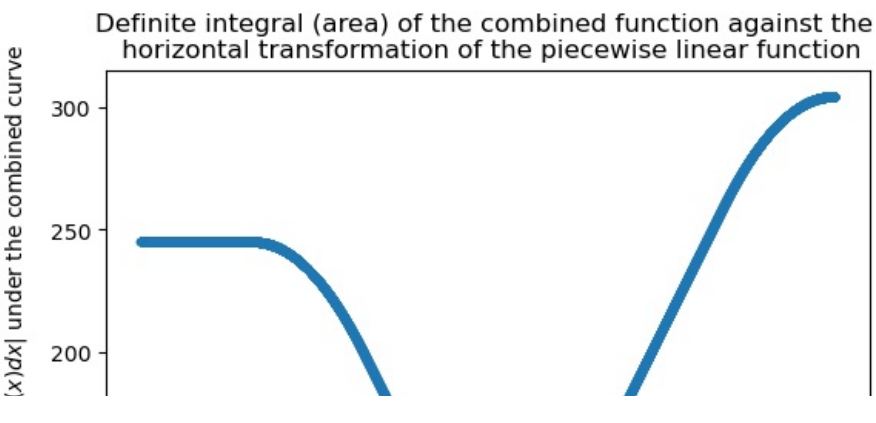
```
areas_only = []
i16 = 0

while i16 < len(areas):
    areas_only.append(areas[i16][0])
    i16 += 1
```

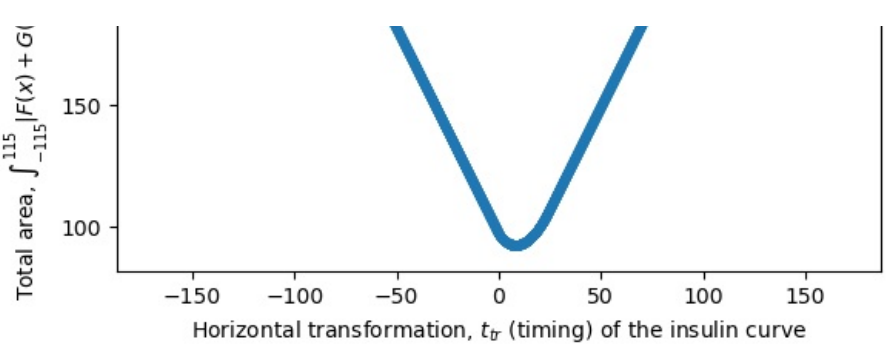
The glucose variability minimizing x-transformation

Graph of definite integral (area) of the combined function against the x-transformation of the linear piecewise function

```
plt.plot(domain, areas_only, '.')
plt.title('Definite integral (area) of the combined function against the \n horizontal transformation of the piecewise lin
plt.xlabel('Horizontal transformation, $t_{tr}$ (timing) of the insulin curve')
plt.ylabel('Total area, $\int_{-115}^{115} |F(x) + G(x) dx|$ under the combined curve')
#plt.savefig(fname="Area vs horizontal transformation")
#plt.xlim(-50, 50)
```

Out[173… Text(0, 0.5, 'Total area, $\\int_{-115}^{115} |F(x) + G(x) dx|$ under the combined curve')





This could most likely be modeled by either some piecewise function or by an asymmetric gaussian function achieved by combining a gaussian function with a logistic function $(ae^{-\frac{(x-b)^2}{2c^2}} + \frac{L}{1 + e^{-k(x-x0)}})$ which could then be differentiated in terms of x to find the minimum ($\frac{dy}{dx} = 0$ AND $\frac{d^2x}{dx^2} = +$) but doing this with the dataset generated would not make much sense as the modeling itself would require knowing the minimum point, unless a function looking like this could be derived directly from the combined function to be integrated.

The glucose variability minimizing x-transformation

```
area_minimizing_transformation = domain[areas_only.index(min(areas_only))]
area_minimizing_transformation
```

Out[159… 8.192622653815505

If the value is positive, it refers to minutes before carbohydrate consumption; if negative, it refers to -(minutes after carbohydrate consumption)

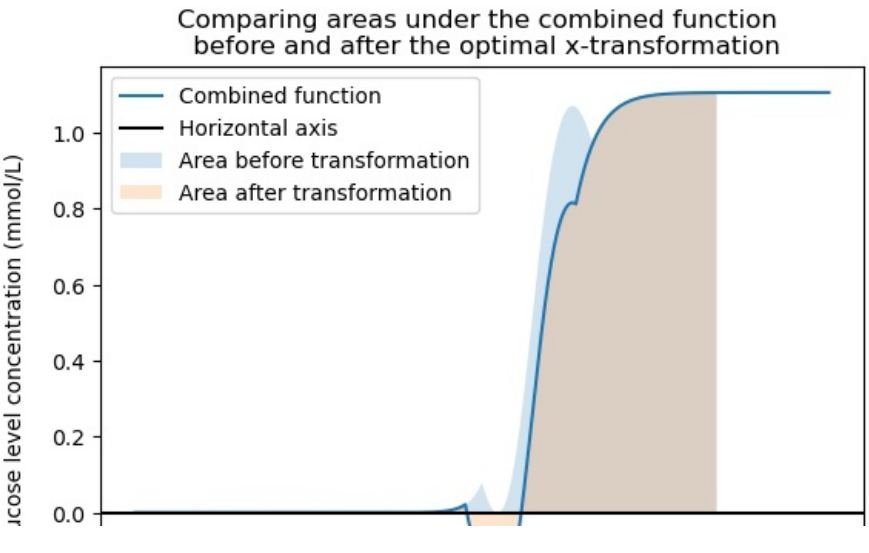
Area before and after x-transformation

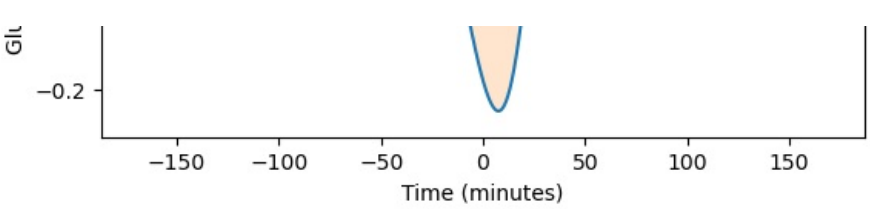
```
x_trans_opt = [i for i in x_trans]
x_trans_opt[-1] = (domain[areas_only.index(min(areas_only))])
x_trans_opt
```

Out[160…
```
[0,
 54.20439174954004,
 0,
 0,
 -0.031111607516192213,
 0,
 0,
 -1.686046511627907,
 8.192622653815505]
```

```
combined_function_2 = generalized_logistic_function(domain, *gen_popt) + piecewise_linear_trans(domain, *x_trans_opt) - ge
```

```
plt.plot(domain, combined_function_2)
plt.axhline(color="black")
plt.fill_between(domain, combined_function, where = [(x > integral_start) and (x < integral_end) for x in domain], alpha=0
plt.fill_between(domain, combined_function_2, where = [(x > integral_start) and (x < integral_end) for x in domain], alpha=
plt.legend(['Combined function', 'Horizontal axis', 'Area before transformation', 'Area after transformation'])
plt.xlabel('Time (minutes)')
plt.ylabel('Glucose level concentration (mmol/L)')
plt.title('Comparing areas under the combined function \n before and after the optimal x-transformation')
plt.savefig(fname="Areas comparison")
```





The absolute area under the combined curve can be used as a proxy for glucose variability, in this case defined as any change in concentration, as it is a measure of absolute divergence from zero over time, giving a single, easily comparable number involving both the magnitude and time of glucose concentration change. By comparing the area under the combined curve as a result of each x-transformation of the insulin curve, the optimal timing can be found as the absolute value of the x-transformation bringing about the smallest definite integral. If the value inside the absolute value is positive, it is before eating and if negative, after eating.

The optimal timing for insulin injection to minimize glucose level variability after a meal in ideal conditions:

```
if area_minimizing_transformation < 0:
    print(f"{abs(area_minimizing_transformation):.0f} minutes {((abs(area_minimizing_transformation) % 1)*60):.0f} after s
elif area_minimizing_transformation == 0:
    print("At the same time when starting to eat")
else:
    print(F"{abs(area_minimizing_transformation):.0f} minutes {((abs(area_minimizing_transformation) % 1)*60):.0f} seconds
```

```
8 minutes 12 seconds before starting to eat
```

Evaluation

```
x_trans_right = [i for i in x_trans]
x_trans_right[-1] = injection_interval[0]
x_trans_right
```

Out[182…
```
[0,
 54.20439174954004,
 0,
 0,
 -0.031111607516192213,
 0,
 0,
 -1.686046511627907,
 -2.7719399956518487]
```

```
x_trans_left = [i for i in x_trans]
x_trans_left[-1] = injection_interval[-1]
x_trans_left
```

Out[183…
```
[0,
 54.20439174954004,
 0,
 0,
 -0.031111607516192213,
 0,
 0,
 -1.686046511627907,
 21.325458366548304]
```

```
x_trans_right_20 = [i for i in x_trans]
x_trans_right_20[-1] = -20
x_trans_right_20
```

Out[230…
```
[0,
 54.20439174954004,
 0,
 0,
 -0.031111607516192213,
 0,
 0,
 -1.686046511627907,
 -20]
```

```
combined_function_3 = generalized_logistic_function(domain, *gen_popt) + piecewise_linear_trans(domain, *x_trans_right) - (
```

```
combined_function_4 = generalized_logistic_function(domain, *gen_popt) + piecewise_linear_trans(domain, *x_trans_left) - g
```

```
combined_function_5 = generalized_logistic_function(domain, *gen_popt) + piecewise_linear_trans(domain, *x_trans_right_20)
```

Interval of tolerance

```
less_than_100 = [i for i in areas_only if i <= (combined_function_area[0] + (combined_function_area[0] - min(areas_only)))
injection_interval = []
for i in less_than_100:
    injection_interval.append(domain[areas_only.index(i)])
print(f"from {injection_interval[0]} to {injection_interval[-1]}")
```

```
from -2.7719399956518487 to 21.325458366548304
```

```
plt.plot(domain, combined_function_3, color="green")
plt.plot(domain, combined_function_4, color="orange")
plt.plot(domain, combined_function_5)
plt.plot(domain, combined_function, color="blue")
plt.axhline(color="black")
plt.fill_between(domain, combined_function, where = [(x > integral_start) and (x < integral_end) for x in domain], alpha=0
plt.fill_between(domain, combined_function_3, where = [(x > integral_start) and (x < integral_end) for x in domain], color=
plt.fill_between(domain, combined_function_4, where = [(x > integral_start) and (x < integral_end) for x in domain], color=
plt.fill_between(domain, combined_function_5, where = [(x > integral_start) and (x < integral_end) for x in domain], color=
plt.legend(['Curve for $t_tr=-2.772$', 'Curve for $t_tr=+21.325$', 'Curve for $t_tr=-20$', 'Curve for $t_tr=0$', 'Horizonta
plt.xlabel('Time (minutes)')
plt.ylabel('Glucose level concentration (mmol/L)')
plt.title('Comparing areas of maximum tolerance to \n areas of recommended timing interval')
plt.savefig(fname="Areas comparison maximum tolerance")
```