

## SUPPORTING INFORMATION

# Establishing Ultraporos Permanentl Polarized Hydroxyapatite as Green and Highly Efficient Catalyst for Carbon Dioxide Conversion in Continuous-Flow under Mild Conditions

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## **METHODS**

### **Synthesis of Hydroxyapatite (HAp)**

15 mL of 0.5 M  $(\text{NH}_4)_2\text{HPO}_4$  in de-ionized water were added at a rate of 2 mL/min to 25 mL of a 0.5 M of  $\text{Ca}(\text{NO}_3)_2$  solution in ethanol with pH previously adjusted to 11 using ammonium hydroxide solution. The mixture was left aging for 1 h under gentle agitation (150 rpm) at room temperature. Hydrothermal treatment at 150 °C was applied using an autoclave Digestec DAB–2 for 24 h. The autoclave was allowed to cool down before opening. The precipitates were separated by centrifugation and washed with water and a 60/40 v/v mixture of ethanol/water (twice). After lyophilizing it for 3 days, a white powder was obtained. The HAp powder was extensively grinded to reduce aggregates and homogenize the grain size, this step being crucial for the nanostructure of the HAp scaffold (see below).

### **Synthesis of Pluronic® F-127 hydrogel**

25 g of distilled water was mixed with 25 g of Pluronic® F-127 polymer using a FlackTek SpeedMixer at 3500 rpm for 5 minutes. After that, 50 g of Pluronic® polymer were added and vigorously stirred using the same conditions. The resultant hydrogel was stored at 4 °C.

### **Preparation of ultraporous HAp scaffolds**

HAp powder was extensively grinded to reduce aggregates and homogenize the grain size, this step being crucial for the nanostructure of the HAp scaffold. Then, 60% wt. of previously prepared Pluronic® F-127 hydrogel was slowly added to the grinded HAp powder in a cold room at 4 °C. In order to achieve a homogeneous mixture, such addition process was periodically interrupted for stirring at 2500 rpm for a 2 min minutes using a

Fisherbrand™ Digital Vortex Mixer. The obtained white paste was left aging at 4 °C for 24 h to ensure the homogeneous distribution of the hydrogel. The resulting ink was modeled using a cold spatula (< 4 °C) to obtain 3D HAp scaffolds with the desired shape. The utilization of the cold spatula allowed to reduce the friction between the metal and the paste without compromising the homogeneity of the shaped samples. Finally, the scaffolds were calcined at 1000 °C using a muffle Carbolite ELF11/6B/301 for 2 h. In this step, the Pluronic® F-127 hydrogel was completely removed from the modeled scaffold.

### **Thermal polarization for the catalytic activation of ultraporous HAp**

Calcined HAp scaffolds were catalytically activated by placing the samples between two stainless steel plates (AISI 304), which acted as electrodes. The HAp sample was left in control with negative electrode, while the positive electrode was separated 4 cm from the calcined scaffold. A constant DC voltage of 500 V was applied for 1 h with a GAMMA power supply, while the temperature was kept at 1000 °C. Samples were allowed to cool down maintaining the applied electric potential for 30 minutes, and finally, all the system was powered off and left to cool down overnight.

## **RESULTS AND DISCUSSION**

### **Further analysis of the batch reactions at 4 hours**

It is worth noting that a change in the tendency of both individual and total yields is observed after 4 h of reaction, which has been attributed to the equilibrium thermodynamics among the different phases when the liquid water evaporates and reacts. In any case, the yields of products in the gas phase only represent around 30%

and 0.5% with respect to the yields of products adsorbed on the catalyst and dissolved in the supernatant, respectively.

### **Long term continuous reaction**

All these features can be clearly observed when merging both approaches (i.e. wet-CO<sub>2</sub> and addition of 1 mL of liquid water in the reactor) in a single long term (4 hours) continuous reaction. Figure 3d shows the variation of the non-accumulated yields for formic acid, acetic acid and their sum (total) against the reaction time for the continuous process conducted at 95 °C. As it can be seen, the yields of formic acid and acetic acid were very low for reaction times lower than 15 min. Then, at 15 min, the yields drastically increased, reaching the maximum value (1.97 and 0.10 mmol/gc•min for formic acid and acetic acid, respectively). This rapid increase was due to the evaporation of liquid water and, therefore, the accessibility of water molecules as a source of protons and hydroxyl groups. After 15 min, all the yields dropped rapidly because the only water entering into the reactor was that supplied through wet-CO<sub>2</sub>. Finally, as reaction time increased, the yield of formic acid and acetic acid, and their sum as well, grew slowly but steadily. Additional assays showed similar results at 120 °C, even though in such case the sharp increment in the yield occurred at reaction times lower than 15 min due to the faster evaporation of liquid water (not shown).

### **Analysis of the products adsorbed in the catalyst**

After such assays, all catalyst samples were dissolved in deuterated water containing 100 mM of HCl and 50 mM of NaCl to determine the amount of adsorbed products on the catalyst by <sup>1</sup>H NMR. Results, which are represented in Figure 3f, allowed the detection several reaction products. Thus, formic acid, which was the predominant ( $0.27 \pm 0.02$  mmol/gc), was accompanied by small quantities of C<sub>2</sub> and C<sub>3</sub> products (i.e. acetic acid, ethanol and acetone with  $\approx 0.02$  mmol/gc each). Accordingly, for a continuous-flow reaction, the products adsorbed on the catalyst (Figure 3f) only

represented  $\square 0.01\%$  of the total yield, what should be considered as residual. Furthermore, this value was significantly lower (two orders of magnitude) than those obtained in the batch reaction in Figure 2, where the amount of product adsorbed on the catalyst was around 1.6 % after 18 h.

### **Mathematical tools used for the kinetic analysis**

Model Selection Criterion (MSC):

$$MSC = \ln \left( \frac{SST}{SSE} \right) - \frac{2p}{n} \quad (S1)$$

where "p" , "n" , and "SST" are the number of fitting parameters used, the number of experimental points, and the squared sum of the total error, respectively.

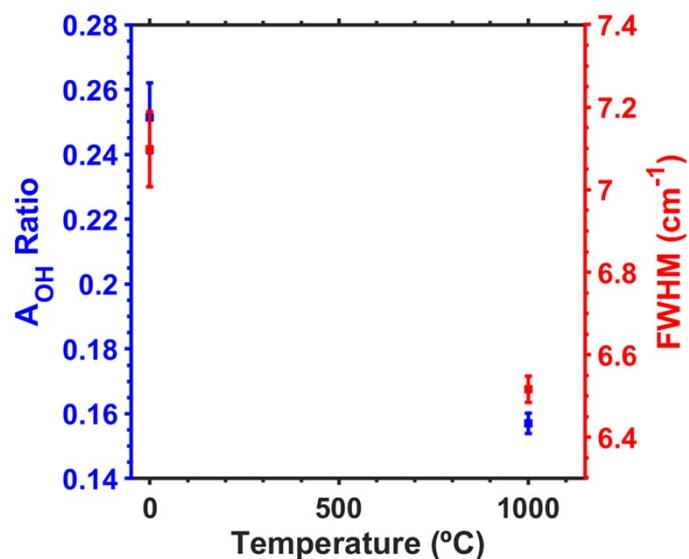
Arrhenius relation:

$$k_3(T) = k_0 e^{-\frac{E_a}{RT}} \quad (S2)$$

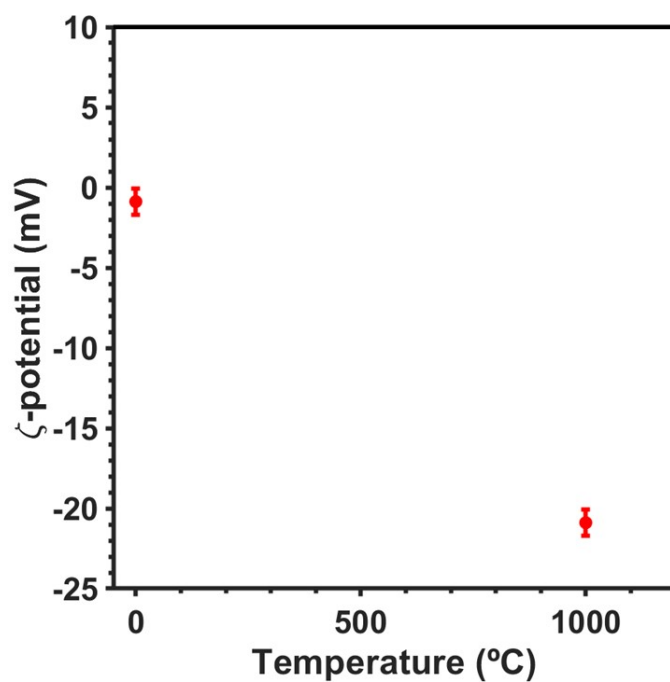
where  $k_0$ , R and T are the frequency factor, the gas constant and the temperature (in K), respectively.

**Table S1.** Detailed information of the experimental studies compared in Table 1.<sup>79</sup>

Catalysis	Reductant	Catalyst	Selectivity (%)	Conversion (%)	Temperature (°C)	Pressure (bar)
		Cu-	~35			
Heterogeneous	H <sub>2</sub>	ZnO/Al <sub>2</sub> O <sub>3</sub>	towards CH <sub>3</sub> OH	80	250	30
			~35			
Heterogeneous	H <sub>2</sub>	Cu-ZnO/ZrO <sub>2</sub>	towards CH <sub>3</sub> OH	22	280	50
			~35			
Heterogeneous	H <sub>2</sub>	Pd/ZnO	60 towards CH <sub>3</sub> OH	11	250	20
			~35			
Heterogeneous	H <sub>2</sub>	Pd/Ga <sub>2</sub> O <sub>3</sub>	52 towards CH <sub>3</sub> OH	20	125	-
			~47			
Heterogeneous	H <sub>2</sub>	Pd <sub>2</sub> Ga/Ga <sub>2</sub> O <sub>3</sub>	towards CH <sub>3</sub> OH	30	250	30
			~70			
Heterogeneous	H <sub>2</sub>	Cubic In <sub>2</sub> O <sub>3</sub>	towards CH <sub>3</sub> OH	~15	300	50

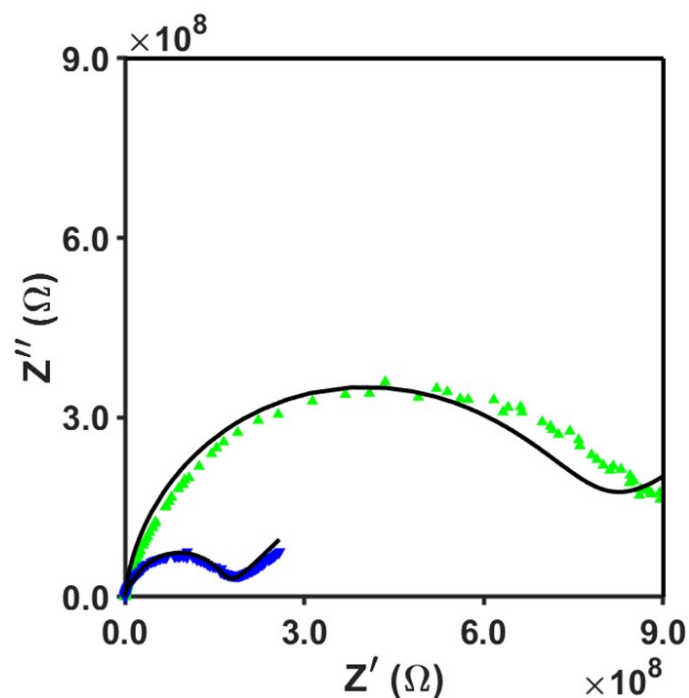


**Figure S1.** Evolution of the OH<sup>-</sup> vacancy generation and presence of defects depending on the temperature of the calcination process. The quantity of OH<sup>-</sup> groups have been obtained by normalizing the area of the Raman peak corresponding to the O-H vibration ( $\nu_5$ ) with the main P-O vibration mode  $\nu_1$  (see Figure 1). On the other hand, the presence of defects in the OH<sup>-</sup> columns is obtained by measuring the full width at half maximum (FWHM) of  $\nu_5$ .

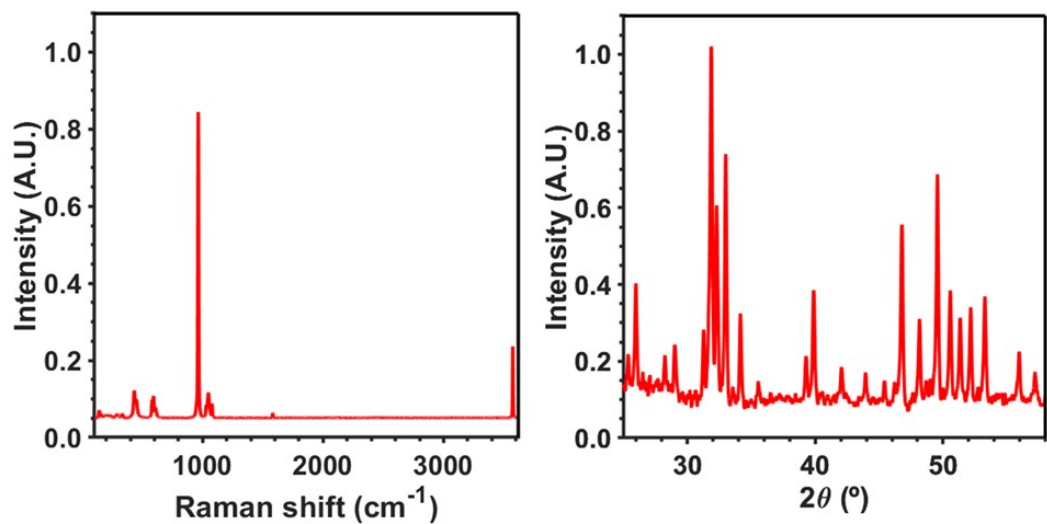


**Figure S2.** Zeta ( $\zeta$ )-potential measurements depending on the temperature of the calcination process. The change observed in the superficial charge accumulation is related with the generation of  $\text{OH}^-$  vacancies reported in Figure S1. The measurements were performed at  $\text{pH} = 7$  and in a NanoBrook 90Plus Zeta equipped with an AQ-1321 cell.



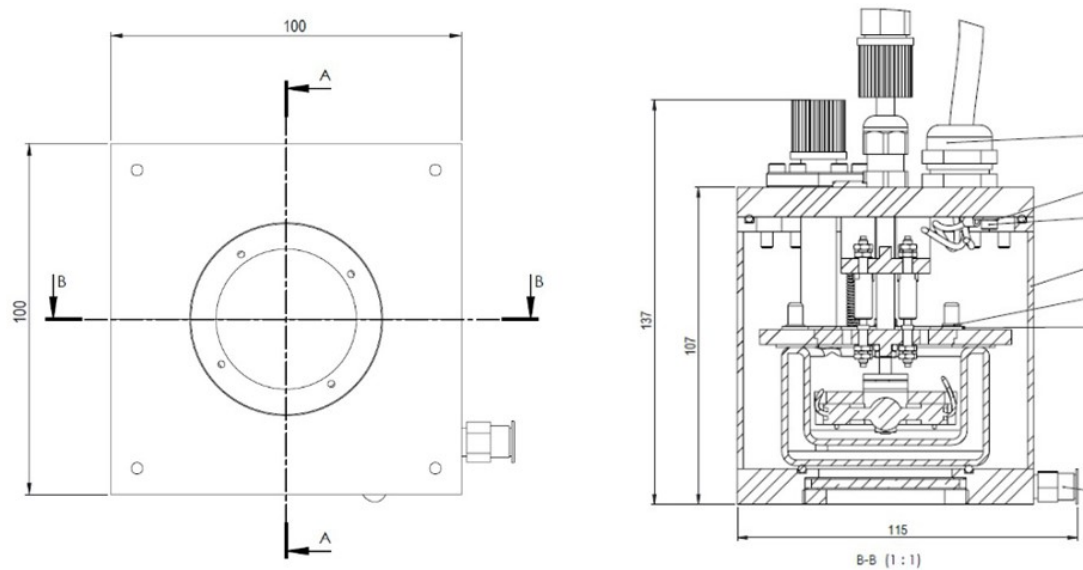


**Figure S3.** Nyquist plot comparing a calcinated HAp sample (green) and a HAp sample after the TSP treatment (blue). Such results have been obtained by means of the electrochemical impedance spectroscopy (EIS) technique using a VIONIC Autolab from Metrohm. Measurements were performed in a dry cell. As expected, a semi-circle (corresponding to a coupled conductive and capacitive behavior) is obtained which can be easily fitted using the Randles circuit approach. Moreover, the change in semi-circle radius denotes a clear enhancement in the electrical conductivity.

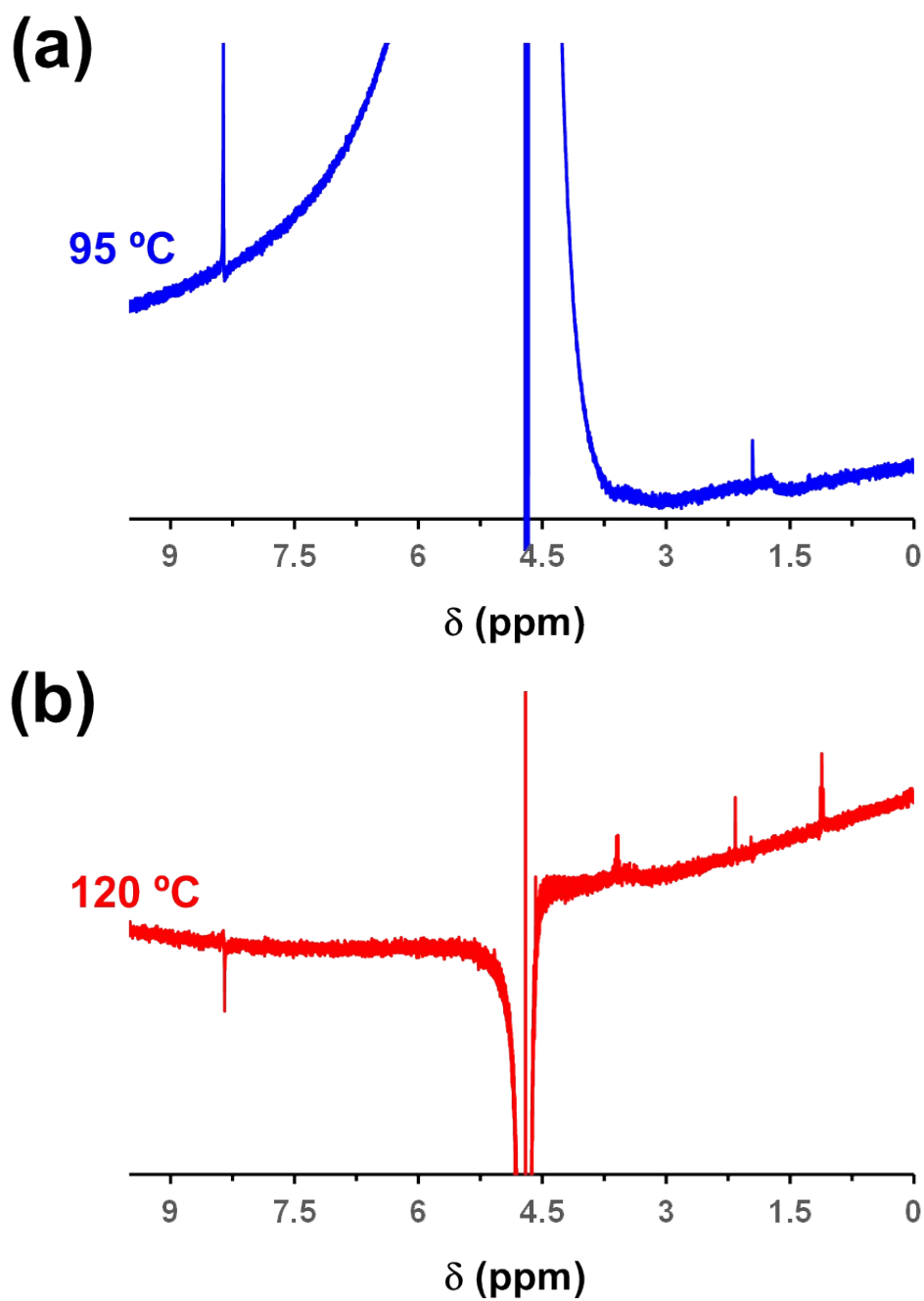


**Figure S4.**

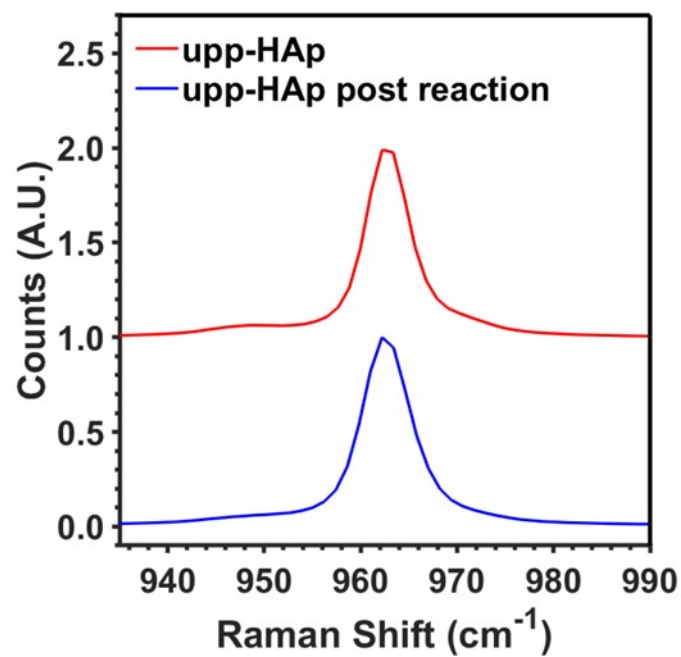
Raman spectrum (left) and XRD diffractogram (right) of calcined HAp samples, before applying the TSP process to transform into upp-HAp.



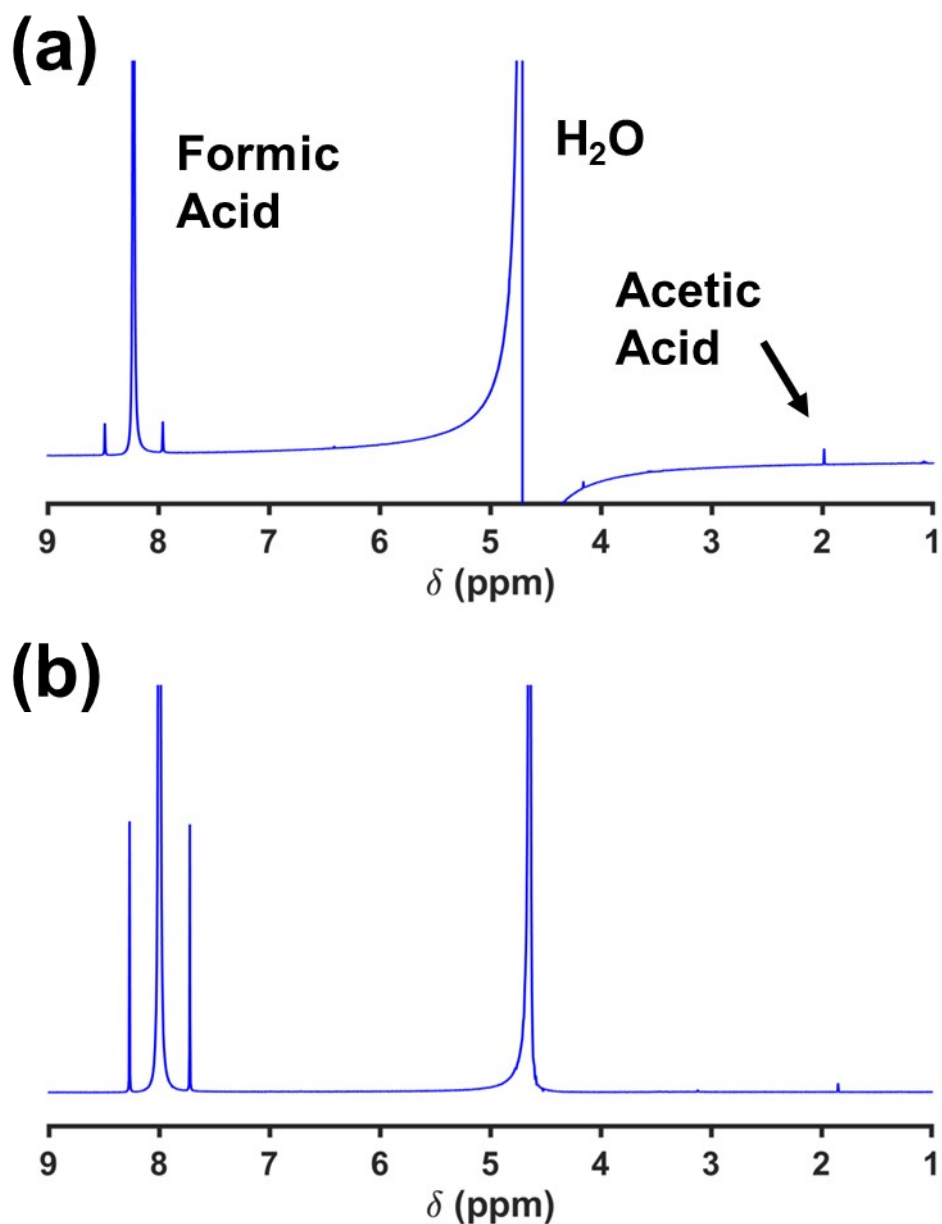
**Figure S5.** Scheme showing the dimensions (in mm) of the reactor used for continuous-flow reactions.



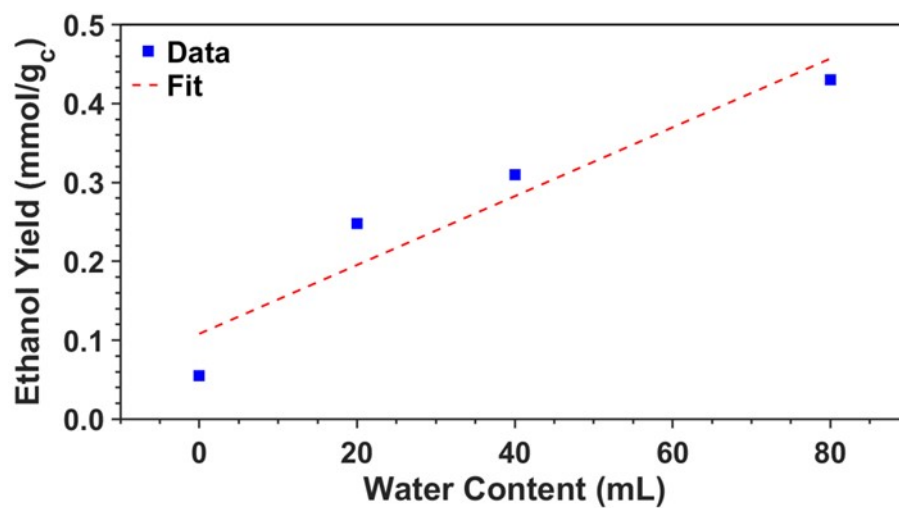
**Figure S6.** Representative  $^1\text{H}$  NMR spectra used to identify the reaction products for the continuous processes catalyzed by upp-HAp and performed at (a)  $95$  and (b)  $120\text{ }^{\circ}\text{C}$  using a  $\text{CO}_2$  flow of  $100\text{ mL/s}$  and  $1\text{ mL}$  of liquid water. Each spectrum corresponds to the liquid collected in the cold trap after  $15\text{ min}$  of reaction.



**Figure S7.** Structural studies of the catalyst main vibration  $\nu_1$  peak (962 cm<sup>-1</sup>, symmetric stretching P–O mode) examined before and after the reactions by means of Raman spectroscopy.



**Figure S8.** <sup>1</sup>H NMR spectra of the batch reaction using formic acid as starting product. The reaction was carried out in an N<sub>2</sub> inert atmosphere, at 95 °C and for 2 hours. 1 mL and 20 mL of liquid formic acid and water respectively, were initially introduced in the reactor. The reactor was extensively purged to avoid the presence of CO<sub>2</sub>. (a) Products absorbed in the catalyst; and (b) Products collected in the supernatant. As it can be observed, the synthesis of acetic acid from formic acid and water is obtained.



**Figure S9.** Water dependence on the yield of ethanol. As it can be seen, experimental data shows a linear (first-order) regime.

## DATA SUPPORTING THE ARTICLE

### Raman Spectrum

Raman Shift (cm<sup>-1</sup>) Intensity  
(A.U.)

3602.786133	274.933136	3550.547852	279.272766	3493.830078	260.598755
3602.021484	282.818420	3549.775391	267.788422	3493.048828	272.377045
3601.257813	276.465820	3549.002930	262.546509	3492.267578	281.582397
3600.493164	283.778656	3548.230469	277.059052	3491.485352	276.913391
3599.728516	255.359802	3547.457031	280.652679	3490.703125	255.808411
3598.964844	268.977844	3546.684570	254.105789	3489.921875	274.256531
3598.199219	269.459930	3545.911133	259.780151	3489.139648	247.510162
3597.434570	261.013824	3545.137695	260.777405	3488.356445	270.061096
3596.669922	276.199646	3544.365234	267.487671	3487.574219	259.237549
3595.905273	282.455444	3543.590820	280.427490	3486.791992	257.656158
3595.139648	293.958466	3542.817383	270.517151	3486.008789	257.101624
3594.374023	279.215729	3542.043945	264.244019	3485.226563	269.374603
3593.609375	302.784973	3541.270508	280.811523	3484.443359	260.097137
3592.843750	297.489655	3540.496094	259.488403	3483.660156	266.210541
3592.078125	296.392700	3539.721680	269.305695	3482.876953	257.449371
3591.311523	288.477570	3538.948242	265.630798	3482.093750	257.920807
3590.545898	297.346405	3538.173828	267.144348	3481.310547	271.209167
3589.780273	301.493378	3537.399414	266.582825	3480.526367	267.064819
3589.013672	308.784515	3536.625000	274.837006	3479.743164	257.796600
3588.247070	318.694153	3535.849609	273.237427	3478.958984	277.227783
3587.481445	314.450317	3535.075195	271.119995	3478.174805	255.664413
3586.714844	332.215820	3534.299805	273.668030	3477.390625	253.574280
3585.948242	319.588531	3533.525391	274.660553	3476.606445	250.972626
3585.180664	339.442810	3532.750000	268.916870	3475.822266	248.883896
3584.414063	350.910767	3531.974609	274.054321	3475.038086	258.572418
3583.647461	366.564362	3531.199219	272.974365	3474.253906	275.424988
3582.879883	378.024261	3530.423828	280.698975	3473.468750	259.001221
3582.112305	414.084747	3529.647461	269.779877	3472.683594	250.771210
3581.345703	429.197205	3528.872070	275.431580	3471.898438	264.035034
3580.578125	479.367737	3528.095703	260.375641	3471.114258	270.131989
3579.810547	538.940491	3527.320313	267.062164	3470.328125	251.673492
3579.041992	648.194275	3526.543945	278.921295	3469.542969	261.350616
3578.274414	828.028076	3525.767578	250.937134	3468.757813	255.172256
3577.506836	1112.402466	3524.991211	280.383698	3467.971680	258.710266
3576.738281	1662.322388	3524.213867	259.649475	3467.186523	248.444672
3575.969727	2396.622314	3523.437500	270.985046	3466.400391	274.471954
3575.201172	3237.325684	3522.661133	267.322083	3465.614258	278.005157
3574.433594	4021.311768	3521.883789	253.837677	3464.828125	264.164673
3573.664063	4205.656738	3521.106445	264.134888	3464.041992	250.328644
3572.895508	3558.664307	3520.330078	284.248260	3463.255859	270.720154
3572.126953	2445.372559	3519.552734	270.250854	3462.469727	260.973206
3571.357422	1506.371094	3518.774414	275.373962	3461.682617	262.973816
3570.588867	991.726563	3517.997070	278.945740	3460.896484	259.868286
3569.819336	730.491211	3517.219727	273.736115	3460.109375	271.567261
3569.049805	610.298157	3516.441406	277.306976	3459.322266	275.096344
3568.280273	509.979126	3515.664063	260.223969	3458.535156	264.846130
3567.510742	475.451782	3514.885742	273.604309	3457.748047	261.232086
3566.741211	429.977356	3514.107422	258.591980	3456.960938	260.679993
3565.971680	411.125946	3513.329102	258.034393	3456.172852	266.248749
3565.201172	364.111481	3512.550781	268.312683	3455.385742	273.345612
3564.431641	370.833405	3511.772461	271.880951	3454.597656	269.222595
3563.661133	367.123505	3510.993164	278.027130	3453.809570	246.237946
3562.890625	322.745697	3510.214844	257.868744	3453.021484	265.568054
3562.120117	324.257813	3509.435547	280.000488	3452.233398	261.448242
3561.349609	313.781158	3508.656250	271.190826	3451.445313	266.501892
3560.579102	302.786682	3507.877930	276.302155	3450.657227	247.608261
3559.807617	305.343414	3507.098633	276.257813	3449.868164	249.096710
3559.037109	300.084595	3506.318359	246.840012	3449.080078	253.131256
3558.265625	305.766296	3505.539063	269.470978	3448.291016	264.293823
3557.494141	304.780365	3504.759766	281.276367	3447.501953	263.233063
3556.723633	303.795685	3503.979492	259.082947	3446.712891	257.591003
3555.952148	302.809753	3503.199219	266.251282	3445.923828	259.585602
3555.180664	301.823822	3502.419922	257.969971	3445.134766	269.213196
3554.408203	300.836639	3501.639648	266.680603	3444.345703	254.413956
3553.636719	281.533722	3500.859375	261.490356	3443.555664	253.864349
3552.864258	273.683868	3500.079102	262.992340	3442.766602	269.592163
3552.092773	279.882660	3499.297852	260.377228	3441.976563	253.274246
3551.320313	296.482361	3498.517578	270.110870	3441.186523	261.878082
		3497.736328	261.322449	3440.396484	273.021240
		3496.956055	265.395172	3439.606445	265.352356
		3496.174805	286.951019	3438.816406	259.718933
		3495.393555	262.739136	3438.025391	256.119995
		3494.612305	259.098358	3437.235352	256.586975

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3434.862305	266.112488	3374.379883	260.375092	3313.153320	254.736359
3434.071289	250.328979	3373.579102	257.825226	3312.342773	248.253708
3433.280273	271.611542	3372.778320	248.756348	3311.532227	262.581482
3432.489258	275.628754	3371.976563	251.223602	3310.721680	253.127487
3431.697266	266.449097	3371.175781	256.196869	3309.910156	265.468750
3430.906250	264.883972	3370.375000	271.194214	3309.099609	269.882843
3430.114258	268.900330	3369.573242	263.632599	3308.288086	252.015198
3429.322266	263.277100	3368.771484	256.073425	3307.476563	261.380432
3428.531250	265.770782	3367.969727	266.053101	3306.665039	255.398911
3427.738281	262.685425	3367.167969	266.511322	3305.853516	252.883453
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3425.361328	262.558868	3364.761719	257.369934	3303.417969	264.632904
3424.569336	260.996338	3363.959961	260.332428	3302.605469	247.775284
3423.776367	254.367218	3363.157227	271.803467	3301.792969	253.174759
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3422.190430	259.857513	3361.551758	268.713745	3300.167969	273.360596
3421.397461	259.815796	3360.749023	266.168976	3299.355469	262.443298
3420.604492	252.684708	3359.946289	273.629761	3298.542969	261.906952
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3419.017578	256.147095	3358.339844	258.039490	3296.916992	247.990616
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3412.665039	255.818161	3351.909180	245.721558	3290.407227	255.565781
3411.871094	252.744141	3351.105469	257.167206	3289.592773	270.323425
3411.076172	257.757629	3350.300781	267.111359	3288.778320	260.908936
3410.281250	276.918610	3349.496094	264.073303	3287.963867	259.387604
3409.486328	265.758759	3348.691406	270.020233	3287.149414	249.484833
3408.691406	249.550827	3347.886719	245.025177	3286.334961	251.909592
3407.895508	264.158142	3347.081055	288.893646	3285.519531	242.504105
3407.100586	259.065704	3346.276367	271.386688	3284.705078	253.307053
3406.304688	269.122498	3345.470703	257.376892	3283.889648	256.715485
3405.508789	247.371185	3344.666016	267.808502	3283.074219	263.078735
3404.713867	266.512238	3343.860352	260.784607	3282.258789	252.692322
3403.917969	271.011536	3343.054688	260.244141	3281.443359	245.264221
3403.121094	243.719833	3342.249023	267.679413	3280.627930	251.626221
3402.325195	262.852234	3341.442383	248.199127	3279.811523	262.909576
3401.529297	264.827759	3340.636719	265.600159	3278.996094	257.452454
3400.732422	280.420166	3339.830078	261.073364	3278.179688	246.090881
3399.936523	253.144440	3339.024414	269.001862	3277.363281	244.574997
3399.139648	246.549301	3338.217773	250.031906	3276.546875	275.533142
3398.342773	250.038467	3337.411133	261.445526	3275.730469	239.576920
3397.545898	266.127228	3336.604492	257.420227	3274.914063	252.326889
3396.749023	269.108154	3335.797852	259.868011	3274.097656	229.172363
3395.951172	274.607483	3334.990234	276.252045	3273.280273	251.262344
3395.154297	243.328644	3334.183594	250.826416	3272.462891	251.221939
3394.356445	264.948883	3333.375977	259.245148	3271.646484	246.266052
3393.559570	259.366455	3332.569336	257.710968	3270.829102	254.089966
3392.761719	253.282257	3331.761719	253.690094	3270.011719	262.894165
3391.963867	261.800446	3330.954102	259.617554	3269.194336	254.499573
3391.166016	254.207672	3330.146484	273.499420	3268.375977	254.949890
3390.368164	263.729553	3329.337891	250.087463	3267.558594	269.152374
3389.569336	271.235474	3328.530273	259.492401	3266.740234	258.305420
3388.771484	264.651093	3327.721680	261.438812	3265.922852	252.862946
3387.972656	280.706451	3326.914063	258.912048	3265.104492	255.276855
3387.174805	248.470810	3326.105469	270.298492	3264.286133	255.235809
3386.375977	256.980133	3325.296875	253.364120	3263.467773	264.519196
3385.577148	253.419144	3324.488281	258.787231	3262.648438	256.625763
3384.778320	271.476898	3323.679688	246.826462	3261.830078	256.584503
3383.978516	261.882843	3322.870117	267.642029	3261.011719	251.147491
3383.179688	279.430847	3322.061523	255.187164	3260.192383	251.597549
3382.379883	250.743881	3321.251953	261.102875	3259.373047	241.259430
3381.581055	250.703598	3320.443359	259.571960	3258.553711	254.948639
3380.781250	266.235596	3319.633789	262.011414	3257.734375	242.652466
3379.981445	260.668060	3318.824219	270.403931	3256.915039	241.143051
3379.181641	262.132690	3318.014648	273.832977	3256.095703	266.096802
3378.381836	260.082245	3317.204102	266.845062	3255.275391	247.435120
3377.581055	269.076599	3316.394531	286.638763	3254.456055	236.127808
3376.781250	272.044952	3315.584961	249.900879	3253.635742	251.274033



3252.815430	238.010803	3190.094727	253.501877	3126.601563	227.001602
3251.995117	237.482864	3189.264648	237.498840	3125.761719	236.999283
3251.174805	234.017639	3188.433594	243.747742	3124.920898	236.483368
3250.354492	266.286865	3187.603516	246.609802	3124.080078	245.043289
3249.533203	250.093201	3186.772461	257.206482	3123.238281	231.631287
3248.712891	249.074295	3185.941406	251.364365	3122.397461	229.206406
3247.891602	265.179871	3185.110352	238.274399	3121.556641	227.737183
3247.070313	248.994186	3184.279297	245.967850	3120.714844	235.815613
3246.249023	246.019516	3183.448242	237.231384	3119.873047	261.550873
3245.427734	250.381180	3182.616211	250.236404	3119.031250	238.125671
3244.606445	242.028809	3181.785156	249.713135	3118.189453	227.590469
3243.785156	257.633667	3180.953125	238.082703	3117.347656	232.801376
3242.962891	265.412872	3180.121094	240.458633	3116.505859	256.612640
3242.141602	252.663681	3179.289063	246.213181	3115.663086	245.602646
3241.319336	243.339020	3178.457031	249.552399	3114.821289	233.165710
3240.497070	243.788437	3177.625000	238.894684	3113.978516	234.081635
3239.674805	248.145508	3176.791992	243.199066	3113.135742	236.903931
3238.852539	237.360870	3175.959961	249.431915	3112.292969	224.950989
3238.030273	247.577362	3175.126953	242.638397	3111.450195	239.210175
3237.207031	239.237473	3174.293945	237.293991	3110.607422	243.459579
3236.384766	248.474045	3173.460938	248.347031	3109.763672	244.373077
3235.561523	246.969833	3172.627930	245.896301	3108.920898	248.143982
3234.738281	238.146027	3171.794922	250.677429	3108.077148	233.341583
3233.915039	244.450760	3170.961914	236.659241	3107.233398	241.398209
3233.091797	235.142349	3170.127930	240.958405	3106.389648	237.550888
3232.268555	264.858398	3169.294922	243.810638	3105.545898	233.704788
3231.444336	263.352722	3168.460938	252.443100	3104.702148	240.329742
3230.621094	235.516495	3167.626953	250.475739	3103.857422	239.815201
3229.796875	234.016006	3166.792969	244.656128	3103.013672	234.543335
3228.972656	255.913834	3165.958984	242.209091	3102.168945	236.883911
3228.148438	239.301865	3165.125000	252.280579	3101.324219	245.406418
3227.324219	223.182526	3164.290039	264.274323	3100.479492	220.164459
3226.500000	248.969269	3163.456055	264.231781	3099.634766	246.278229
3225.675781	241.622101	3162.621094	230.985123	3098.790039	236.731262
3224.850586	248.889175	3161.786133	237.202774	3097.944336	232.415527
3224.026367	248.849136	3160.951172	236.202454	3097.099609	244.733566
3223.201172	255.625793	3160.116211	223.177795	3096.253906	235.191437
3222.375977	250.716385	3159.281250	251.515503	3095.408203	228.027679
3221.550781	249.702560	3158.445313	234.165070	3094.562500	240.815430
3220.725586	253.555740	3157.610352	230.281326	3093.716797	228.429092
3219.900391	253.514954	3156.774414	245.625916	3092.871094	235.039886
3219.074219	225.256317	3155.938477	236.454971	3092.025391	227.405975
3218.249023	235.921677	3155.102539	235.936386	3091.178711	236.862823
3217.422852	249.988113	3154.266602	237.820160	3090.333008	228.756485
3216.596680	250.434174	3153.430664	242.105179	3089.486328	234.888412
3215.770508	242.614655	3152.593750	240.625336	3088.639648	222.989410
3214.944336	249.381348	3151.757813	237.225098	3087.792969	250.941254
3214.118164	243.994720	3150.920898	241.988251	3086.946289	226.237610
3213.291992	243.469498	3150.084961	264.031982	3086.098633	238.056549
3212.464844	266.752991	3149.248047	234.230637	3085.251953	237.544037
3211.638672	243.876968	3148.411133	219.795822	3084.404297	243.668579
3210.811523	243.837723	3147.573242	231.276245	3083.557617	221.351913
3209.984375	246.712418	3146.736328	239.874496	3082.709961	237.903107
3209.157227	241.816956	3145.899414	231.201782	3081.862305	239.760101
3208.330078	235.466568	3145.061523	249.389130	3081.013672	232.615097
3207.501953	238.341202	3144.223633	257.500763	3080.166016	222.630295
3206.674805	245.097641	3143.385742	247.870499	3079.318359	214.543121
3205.846680	242.146622	3142.547852	233.929062	3078.469727	218.296783
3205.019531	248.415070	3141.709961	226.222824	3077.621094	231.518265
3204.191406	255.166611	3140.872070	252.063644	3076.772461	227.693939
3203.363281	245.909988	3140.033203	244.356964	3075.923828	238.069824
3202.535156	241.505844	3139.195313	247.670990	3075.075195	240.397583
3201.706055	240.982117	3138.356445	244.278259	3074.226563	232.788467
3200.877930	239.973755	3137.517578	238.971024	3073.376953	230.385590
3200.048828	248.660034	3136.678711	231.750198	3072.528320	241.227325
3199.220703	238.927246	3135.839844	245.117752	3071.678711	232.675919
3198.391602	242.280716	3135.000977	228.324875	3070.829102	242.095261
3197.562500	230.614136	3134.161133	251.260498	3069.979492	222.672821
3196.733398	236.874298	3133.322266	238.778656	3069.129883	236.344940
3195.903320	219.400375	3132.482422	234.434250	3068.280273	237.252060
3195.074219	239.703552	3131.642578	230.091263	3067.429688	228.235596
3194.245117	250.316757	3130.802734	232.445618	3066.580078	241.427719
3193.415039	245.919632	3129.962891	233.364594	3065.729492	225.800095
3192.584961	242.975952	3129.123047	229.980103	3064.878906	220.095978
3191.754883	245.356537	3128.283203	241.416306	3064.028320	231.394089
3190.924805	253.542679	3127.442383	247.591095	3063.177734	233.245422

3062.327148	238.872772	2997.259766	229.433548	2931.389648	226.634949
3061.476563	232.698212	2996.398438	228.464020	2930.517578	236.730789
3060.625000	224.637909	2995.537109	232.156570	2929.645508	238.534500
3059.773438	229.792068	2994.674805	244.237762	2928.772461	238.956375
3058.922852	223.621933	2993.813477	238.139984	2927.900391	217.742004
3058.071289	239.151978	2992.951172	239.033463	2927.027344	228.292999
3057.218750	236.755310	2992.088867	234.336105	2926.154297	228.256104
3056.367188	229.172363	2991.226563	226.379669	2925.282227	227.759109
3055.515625	233.850128	2990.364258	230.534668	2924.408203	225.882126
3054.663086	234.283813	2989.501953	222.115738	2923.535156	219.406036
3053.811523	232.832092	2988.638672	226.270065	2922.662109	235.007065
3052.958984	248.345596	2987.776367	226.233551	2921.788086	212.897629
3052.106445	227.574158	2986.913086	237.832672	2920.915039	228.954407
3051.253906	239.785858	2986.049805	216.388153	2920.041016	232.135117
3050.401367	219.493500	2985.186523	227.054565	2919.166992	223.824814
3049.547852	231.702545	2984.323242	244.230331	2918.292969	230.681519
3048.695313	216.126678	2983.459961	212.097244	2917.418945	231.103699
3047.841797	225.978363	2982.595703	227.874725	2916.543945	235.200729
3046.988281	232.531906	2981.732422	215.748581	2915.669922	216.331329
3046.134766	240.495224	2980.868164	240.818375	2914.794922	226.399384
3045.281250	225.869080	2980.003906	219.397537	2913.920898	234.168411
3044.427734	234.771851	2979.139648	231.445633	2913.045898	234.130569
3043.574219	230.970718	2978.275391	217.932678	2912.169922	214.814499
3042.719727	246.454468	2977.411133	226.260300	2911.294922	230.842377
3041.865234	237.009583	2976.545898	230.404510	2910.419922	232.640488
3041.011719	218.634277	2975.681641	226.651703	2909.543945	222.050888
3040.157227	247.275452	2974.816406	223.828857	2908.668945	237.611099
3039.302734	240.185135	2973.951172	234.007324	2907.792969	217.851410
3038.448242	236.856720	2973.085938	230.719971	2906.916992	211.396347
3037.592773	228.360718	2972.220703	234.395935	2906.041016	224.199783
3036.738281	227.854080	2971.354492	233.429932	2905.165039	222.788315
3035.882813	242.378860	2970.489258	231.072250	2904.288086	231.919067
3035.027344	231.068146	2969.623047	225.931763	2903.412109	228.673737
3034.171875	240.422379	2968.757813	233.316895	2902.535156	219.931152
3033.316406	238.975098	2967.891602	221.684830	2901.658203	213.023865
3032.460938	223.915009	2967.025391	218.403122	2900.781250	211.615311
3031.605469	236.081940	2966.159180	226.249496	2899.904297	225.320129
3030.749023	227.596954	2965.291992	228.067169	2899.027344	223.452133
3029.893555	240.697739	2964.425781	237.763351	2898.149414	230.741119
3029.037109	229.400024	2963.558594	215.945084	2897.272461	219.717926
3028.180664	236.867752	2962.692383	222.860123	2896.394531	224.716797
3027.324219	213.381073	2961.825195	234.405426	2895.516602	221.019684
3026.467773	231.164612	2960.958008	228.346283	2894.638672	243.402618
3025.610352	231.596130	2960.090820	225.993896	2893.760742	214.543930
3024.753906	222.652679	2959.222656	228.735565	2892.882813	233.261658
3023.896484	222.148087	2958.355469	225.920914	2892.004883	230.022827
3023.040039	232.889847	2957.487305	241.622269	2891.125977	235.929596
3022.182617	232.852280	2956.620117	242.971664	2890.247070	215.319519
3021.325195	232.346283	2955.751953	235.066040	2889.368164	223.969223
3020.467773	244.486267	2954.883789	231.789505	2888.489258	225.304031
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3018.751953	227.083496	2953.146484	226.627090	2886.731445	224.317474
3017.893555	221.897354	2952.278320	236.301514	2885.852539	221.540482
3017.035156	232.158920	2951.409180	221.467987	2884.972656	223.331512
3016.177734	244.289124	2950.540039	231.602386	2884.092773	223.295395
3015.318359	230.680283	2949.671875	223.245285	2883.212891	225.085541
3014.459961	246.549484	2948.802734	232.913971	2882.333008	223.223175
3013.601563	224.524963	2947.932617	225.483459	2881.453125	225.012756
3012.743164	235.713181	2947.063477	230.990814	2880.573242	242.773682
3011.883789	226.790573	2946.194336	236.496384	2879.692383	229.046387
3011.024414	235.169601	2945.324219	230.454376	2878.812500	228.553162
3010.165039	229.054688	2944.454102	221.181992	2877.931641	245.392639
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3008.446289	223.840393	2942.713867	220.187317	2876.169922	218.866867
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3006.726563	234.512772	2940.973633	224.269333	2874.408203	226.089279
3005.867188	220.929565	2940.102539	209.007401	2873.526367	216.026184
3005.006836	223.228943	2939.232422	231.577850	2872.644531	235.585388
3004.146484	223.192932	2938.361328	237.997742	2871.763672	224.612778
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3002.425781	230.589386	2936.619141	225.471497	2870.000000	231.824738
3001.565430	214.217499	2935.748047	226.357117	2869.118164	245.451431
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2998.982422	248.166779	2933.133789	223.482681	2866.470703	223.029404
2998.121094	239.265045	2932.261719	225.289429	2865.587891	222.538239

2864.705078	214.311981	2797.196289	222.927765	2728.850586	229.521149
2863.822266	232.929886	2796.302734	225.587936	2727.946289	228.152298
2862.939453	204.690430	2795.408203	214.318756	2727.041016	231.221924
2862.056641	217.846344	2794.514648	226.862549	2726.135742	236.509186
2861.172852	225.996063	2793.620117	214.249329	2725.230469	231.146912
2860.289063	230.505966	2792.725586	219.154587	2724.325195	221.794067
2859.406250	220.013489	2791.831055	236.630646	2723.418945	222.201599
2858.522461	214.978409	2790.936523	227.164536	2722.513672	233.695099
2857.637695	215.398056	2790.041016	227.576599	2721.607422	210.601837
2856.753906	234.446014	2789.146484	223.500580	2720.701172	226.969788
2855.870117	237.133759	2788.250977	227.054153	2719.794922	222.500671
2854.985352	218.018768	2787.356445	231.055237	2718.888672	229.998245
2854.101563	218.891754	2786.460938	215.766129	2717.982422	230.847092
2853.216797	218.856339	2785.565430	230.980377	2717.075195	221.949387
2852.332031	222.452805	2784.668945	224.216461	2716.168945	224.571014
2851.447266	217.877701	2783.773438	227.318649	2715.261719	210.805634
2850.561523	218.750122	2782.877930	220.557495	2714.354492	229.368927
2849.676758	230.966370	2781.981445	233.071793	2713.447266	222.690826
2848.791016	218.225647	2781.084961	216.452759	2712.540039	232.393066
2847.906250	215.468628	2780.188477	223.138733	2711.632813	208.455948
2847.020508	210.444763	2779.291992	223.102570	2710.724609	233.202682
2846.134766	227.189148	2778.395508	222.618500	2709.816406	234.049713
2845.249023	222.618408	2777.498047	228.852356	2708.909180	219.413651
2844.362305	234.368820	2776.601563	219.411911	2708.000977	229.550812
2843.476563	229.798386	2775.704102	218.033234	2707.092773	230.398010
2842.589844	216.165863	2774.806641	215.312103	2706.183594	227.707703
2841.703125	246.488892	2773.909180	224.228439	2705.275391	227.670761
2840.816406	228.780777	2773.011719	221.059677	2704.366211	220.561707
2839.929688	228.290787	2772.114258	234.893768	2703.458008	228.038818
2839.042969	211.497116	2771.215820	214.725220	2702.548828	212.536560
2838.156250	229.575333	2770.318359	216.032227	2701.639648	225.314041
2837.268555	238.140198	2769.419922	224.046814	2700.730469	232.786728
2836.381836	234.027679	2768.521484	228.034637	2699.820313	240.698608
2835.494141	218.149094	2767.623047	216.374268	2698.911133	216.372803
2834.606445	232.594376	2766.724609	234.665466	2698.000977	227.816833
2833.718750	219.435822	2765.826172	214.069595	2697.091797	238.815704
2832.831055	238.399918	2764.926758	226.546326	2696.181641	225.536072
2831.942383	222.530884	2764.028320	218.021088	2695.271484	218.880112
2831.054688	223.399323	2763.128906	221.112595	2694.361328	217.520920
2830.166016	226.528229	2762.229492	219.736893	2693.450195	216.603317
2829.277344	228.751938	2761.330078	225.506393	2692.540039	215.686005
2828.388672	219.674805	2760.430664	217.433289	2691.628906	227.999100
2827.500000	222.350845	2759.530273	214.719635	2690.717773	232.812347
2826.611328	216.440674	2758.630859	226.289398	2689.806641	219.107864
2825.722656	231.766373	2757.730469	226.698975	2688.895508	236.703873
2824.833008	227.663437	2756.830078	235.139755	2687.984375	226.969666
2823.943359	228.529861	2755.929688	233.317184	2687.072266	224.288925
2823.054688	214.494293	2755.029297	222.574387	2686.161133	216.762741
2822.165039	222.586456	2754.128906	229.673798	2685.249023	227.740143
2821.274414	233.384506	2753.227539	235.879120	2684.336914	227.262726
2820.384766	231.089981	2752.327148	230.490982	2683.424805	236.033035
2819.495117	225.186005	2751.425781	235.802643	2682.512695	236.434998
2818.604492	218.832733	2750.524414	216.154510	2681.600586	229.793350
2817.713867	231.880020	2749.623047	233.943756	2680.687500	234.157501
2816.824219	219.212921	2748.721680	225.440659	2679.775391	220.917252
2815.933594	221.432343	2747.820313	212.931152	2678.862305	242.001511
2815.041992	228.160126	2746.917969	213.342026	2677.949219	222.165314
2814.151367	229.926529	2746.016602	223.995056	2677.036133	227.847412
2813.260742	213.661819	2745.114258	229.301697	2676.123047	233.527664
2812.369141	233.908295	2744.211914	231.935562	2675.208984	226.454269
2811.477539	231.166718	2743.309570	235.903870	2674.295898	216.305649
2810.585938	223.019485	2742.407227	214.504196	2673.381836	217.149673
2809.694336	213.523468	2741.503906	233.157623	2672.467773	243.045059
2808.802734	229.703232	2740.601563	233.119812	2671.553711	218.397430
2807.911133	218.858231	2739.698242	232.637192	2670.639648	225.831085
2807.018555	220.173538	2738.794922	229.931030	2669.725586	237.215912
2806.126953	229.141479	2737.891602	223.223709	2668.810547	231.028351
2805.234375	223.252991	2736.988281	229.856461	2667.896484	205.959503
2804.341797	234.017639	2736.084961	224.929413	2666.981445	235.344055
2803.449219	224.980515	2735.180664	229.781906	2666.066406	227.403778
2802.555664	235.741394	2734.277344	219.079514	2665.151367	230.000427
2801.663086	211.863007	2733.373047	237.704926	2664.236328	237.423706
2800.770508	232.067108	2732.468750	209.679489	2663.320313	231.680878
2799.876953	220.787781	2731.564453	229.632874	2662.405273	238.662735
2798.983398	228.395172	2730.660156	217.605148	2661.489258	242.133133
2798.089844	235.101028	2729.755859	221.122009	2660.573242	232.883728

2659.657227	239.423447	2589.604492	225.222061	2518.679688	221.168289
2658.741211	221.847229	2588.676758	223.453217	2517.741211	231.825287
2657.825195	231.016785	2587.749023	236.406219	2516.801758	226.655670
2656.908203	225.281479	2586.821289	247.190445	2515.862305	221.915329
2655.992188	224.806656	2585.893555	228.105377	2514.922852	227.436813
2655.075195	230.027924	2584.965820	233.694229	2513.983398	229.109512
2654.158203	225.609772	2584.037109	234.954285	2513.042969	239.756516
2653.241211	238.275299	2583.108398	245.299088	2512.103516	217.924927
2652.324219	223.784744	2582.180664	244.394058	2511.163086	228.997498
2651.407227	222.872650	2581.250977	231.379730	2510.222656	231.095993
2650.489258	242.099304	2580.322266	221.828934	2509.282227	232.766693
2649.572266	241.184525	2579.393555	231.304413	2508.341797	227.604446
2648.654297	235.018234	2578.463867	247.693192	2507.401367	236.533417
2647.736328	233.667313	2577.535156	230.796936	2506.459961	253.143402
2646.818359	227.504227	2576.605469	233.352173	2505.518555	221.944534
2645.899414	239.715500	2575.675781	236.338638	2504.578125	234.284012
2644.981445	239.239182	2574.746094	216.428482	2503.636719	223.152206
2644.062500	223.894974	2573.816406	221.144409	2502.694336	235.487442
2643.144531	247.905899	2572.885742	227.154358	2501.752930	219.240601
2642.225586	233.002411	2571.956055	241.366180	2500.811523	234.557724
2641.306641	215.481293	2571.025391	240.463470	2499.869141	228.549896
2640.387695	226.371536	2570.094727	237.402832	2498.926758	235.333893
2639.467773	229.393326	2569.164063	232.616913	2497.984375	242.115677
2638.548828	214.502518	2568.233398	235.168045	2497.041992	223.750000
2637.628906	237.617920	2567.301758	238.149780	2496.099609	238.627762
2636.708984	227.097870	2566.371094	233.366043	2495.157227	238.162796
2635.789063	228.370926	2565.439453	229.877731	2494.213867	238.549927
2634.869141	224.404541	2564.507813	242.776917	2493.271484	235.529648
2633.949219	222.622009	2563.576172	245.755432	2492.328125	230.806961
2633.029297	222.585815	2562.644531	232.351944	2491.384766	226.511581
2632.108398	242.186371	2561.712891	239.210281	2490.440430	231.157379
2631.187500	230.803192	2560.781250	237.447571	2489.497070	231.970947
2630.266602	230.329437	2559.848633	234.823700	2488.553711	234.912079
2629.345703	228.547363	2558.916016	218.845901	2487.609375	225.087357
2628.424805	240.720673	2557.983398	233.024323	2486.665039	239.515137
2627.503906	224.548904	2557.050781	230.402420	2485.720703	239.901428
2626.582031	220.588882	2556.118164	231.656677	2484.776367	242.839310
2625.661133	228.834656	2555.185547	238.507248	2483.832031	227.491837
2624.739258	220.081360	2554.251953	231.150787	2482.886719	242.334946
2623.817383	247.496811	2553.318359	250.480164	2481.942383	238.469696
2622.895508	233.951019	2552.385742	228.493652	2480.997070	242.680893
2621.973633	219.538437	2551.452148	236.630966	2480.051758	237.966949
2621.050781	239.101212	2550.517578	234.011414	2479.106445	233.679428
2620.128906	232.530579	2549.583984	224.941254	2478.161133	239.588531
2619.206055	222.043655	2548.650391	231.355042	2477.214844	240.398911
2618.283203	225.925323	2547.715820	253.675171	2476.269531	217.852509
2617.360352	234.593353	2546.781250	229.560135	2475.323242	228.856430
2616.437500	222.805695	2545.846680	248.434723	2474.376953	232.639816
2615.514648	231.471405	2544.912109	230.774597	2473.430664	230.904022
2614.590820	247.529709	2543.977539	253.220917	2472.484375	232.988281
2613.667969	229.221344	2543.042969	234.995514	2471.538086	228.707092
2612.744141	231.358505	2542.107422	243.547989	2470.590820	227.821289
2611.820313	240.886780	2541.171875	220.317047	2469.644531	234.995148
2610.896484	234.761200	2540.237305	231.445511	2468.697266	237.925568
2609.972656	226.898911	2539.300781	232.695786	2467.750000	231.950180
2609.047852	230.338837	2538.365234	238.238235	2466.802734	236.999985
2608.124023	220.307159	2537.429688	234.765930	2465.854492	227.635452
2607.199219	232.870682	2536.493164	239.877106	2464.907227	233.108139
2606.274414	227.620117	2535.557617	229.111816	2463.958984	242.816666
2605.349609	234.532196	2534.621094	232.935287	2463.011719	227.524017
2604.424805	243.179016	2533.684570	228.608246	2462.063477	235.112152
2603.500000	223.167297	2532.748047	214.848175	2461.115234	222.790649
2602.574219	229.208496	2531.811523	226.818695	2460.166016	229.953552
2601.648438	235.681763	2530.874023	222.923447	2459.217773	222.294495
2600.723633	233.039627	2529.937500	234.460114	2458.268555	228.608459
2599.797852	231.700027	2529.000000	227.993515	2457.320313	227.301300
2598.872070	224.287323	2528.062500	238.668610	2456.371094	241.230148
2597.945313	230.323395	2527.125000	245.056015	2455.421875	232.304810
2597.019531	238.092239	2526.187500	238.162476	2454.472656	227.190002
2596.092773	231.549301	2525.249023	235.125702	2453.522461	224.614899
2595.166992	225.875580	2524.311523	247.077286	2452.573242	237.266266
2594.240234	240.576889	2523.373047	233.764664	2451.623047	240.610458
2593.313477	242.704742	2522.434570	231.586212	2450.672852	242.262360
2592.386719	233.131989	2521.496094	240.964493	2449.722656	231.231903
2591.458984	229.194702	2520.557617	222.952118	2448.772461	228.235535
2590.532227	230.457001	2519.619141	219.920746	2447.822266	237.072647

2446.871094	236.611420	2374.166016	224.509918	2300.550781	201.126022
2445.920898	227.278870	2373.203125	202.359650	2299.576172	193.675690
2444.969727	235.267029	2372.240234	210.669922	2298.601563	207.652237
2444.018555	222.981522	2371.277344	216.474854	2297.626953	205.146561
2443.067383	238.990387	2370.314453	219.358658	2296.650391	193.580475
2442.116211	238.107025	2369.351563	223.075439	2295.675781	184.489014
2441.164063	224.560730	2368.386719	208.864502	2294.701172	201.340042
2440.212891	237.607224	2367.423828	220.084671	2293.724609	210.363800
2439.260742	248.117645	2366.460938	206.712372	2292.748047	215.268555
2438.308594	247.655228	2365.496094	214.178986	2291.773438	190.952652
2437.356445	242.130981	2364.531250	217.060303	2290.796875	190.098419
2436.404297	226.907990	2363.568359	195.780518	2289.820313	203.643478
2435.451172	236.991577	2362.603516	213.240906	2288.843750	195.794754
2434.499023	212.920288	2361.638672	201.546310	2287.867188	198.641510
2433.545898	225.953735	2360.673828	214.420166	2286.890625	199.020142
2432.592773	227.181290	2359.708984	207.724579	2285.914063	195.698456
2431.639648	239.365295	2358.744141	207.690582	2284.935547	187.445099
2430.686523	233.848663	2357.779297	204.743576	2283.958984	207.142197
2429.733398	219.908218	2356.814453	223.849640	2282.980469	201.355225
2428.779297	239.669235	2355.847656	198.436432	2282.003906	199.678757
2427.826172	242.156937	2354.882813	183.430069	2281.025391	200.467606
2426.872070	226.537659	2353.916016	219.996887	2280.048828	202.077637
2425.917969	220.606583	2352.951172	202.081268	2279.070313	191.367340
2424.963867	231.935822	2351.984375	199.138031	2278.091797	190.104187
2424.009766	215.484100	2351.017578	208.665817	2277.113281	201.567703
2423.054688	215.448883	2350.050781	213.618881	2276.134766	206.870590
2422.099609	226.352661	2349.085938	209.844116	2275.156250	206.015884
2421.145508	227.577667	2348.119141	200.669540	2274.177734	204.751129
2420.190430	242.261230	2347.150391	198.144318	2273.197266	199.384216
2419.235352	238.436935	2346.183594	192.712601	2272.218750	198.531143
2418.279297	233.772964	2345.216797	191.435272	2271.240234	197.678329
2417.324219	243.403656	2344.250000	207.596451	2270.259766	200.516281
2416.369141	235.798172	2343.281250	208.807846	2269.279297	191.463684
2415.413086	212.645950	2342.314453	206.698380	2268.300781	182.414063
2414.457031	226.897324	2341.345703	206.664536	2267.320313	190.171326
2413.500977	231.481476	2340.378906	205.385941	2266.339844	204.072815
2412.544922	223.462845	2339.410156	199.129517	2265.359375	197.893570
2411.587891	223.846298	2338.441406	208.636963	2264.378906	195.812851
2410.631836	222.130081	2337.472656	216.897156	2263.398438	186.360321
2409.674805	229.650864	2336.503906	204.007507	2262.417969	207.215057
2408.717773	227.094711	2335.535156	194.024139	2261.437500	191.212555
2407.760742	227.897003	2334.566406	201.868134	2260.455078	215.334686
2406.803711	225.341965	2333.597656	199.762848	2259.474609	189.921875
2405.846680	229.920319	2332.628906	208.432068	2258.492188	197.666397
2404.888672	235.336166	2331.658203	205.083466	2257.511719	192.723816
2403.931641	235.297699	2330.689453	232.804108	2256.529297	208.647583
2402.972656	217.646255	2329.718750	247.676254	2255.546875	207.607407
2402.015625	233.124344	2328.750000	229.415009	2254.564453	206.567230
2401.056641	242.728302	2327.779297	216.542236	2253.582031	205.527039
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2399.140625	225.466553	2325.837891	192.878830	2251.617188	203.446686
2398.181641	225.010681	2324.867188	194.916412	2250.634766	202.406509
2397.222656	211.986572	2323.896484	217.641708	2249.652344	201.366318
2396.263672	224.518250	2322.925781	203.126556	2248.669922	200.326141
2395.304688	213.173691	2321.955078	203.093292	2247.685547	199.283890
2394.345703	218.582474	2320.984375	205.954971	2246.703125	198.243713
2393.386719	212.685333	2320.011719	195.170334	2245.718750	197.201462
2392.427734	205.534286	2319.041016	206.300934	2244.734375	196.159225
2391.466797	215.545532	2318.068359	199.240005	2243.751953	195.119049
2390.507813	208.396347	2317.097656	219.045441	2242.767578	194.076797
2389.546875	214.219849	2316.125000	200.827621	2241.783203	193.034546
2388.587891	214.603149	2315.152344	202.034195	2240.798828	197.083252
2387.626953	214.149811	2314.181641	202.414185	2239.814453	191.339279
2386.666016	216.205750	2313.208984	199.489868	2238.830078	201.913422
2385.705078	224.951004	2312.236328	198.631271	2237.843750	194.539169
2384.746094	210.700317	2311.263672	201.901825	2236.859375	186.759567
2383.785156	217.353653	2310.289063	200.630280	2235.875000	209.968094
2382.822266	217.736038	2309.316406	196.882645	2234.888672	195.258652
2381.861328	201.822083	2308.343750	203.040649	2233.902344	191.966019
2380.900391	208.055817	2307.369141	200.944290	2232.917969	193.564514
2379.939453	209.274933	2306.396484	213.700378	2231.931641	200.866592
2378.976563	209.240707	2305.421875	183.141739	2230.945313	191.464096
2378.015625	220.898666	2304.449219	183.936554	2229.958984	203.651764
2377.052734	206.249695	2303.474609	196.689133	2228.972656	206.061737
2376.091797	207.468292	2302.500000	200.779694	2227.986328	206.435074
2375.128906	222.459778	2301.525391	192.090363	2227.000000	197.037811

2226.013672	188.050644	2150.539063	211.040237	2074.115234	203.253113
2225.027344	188.426727	2149.539063	190.909729	2073.103516	196.472061
2224.039063	198.568344	2148.541016	209.765213	2072.091797	193.264877
2223.052734	202.197250	2147.541016	199.686127	2071.078125	196.407257
2222.064453	199.316650	2146.541016	195.636078	2070.066406	182.886475
2221.076172	194.810196	2145.541016	194.398926	2069.052734	182.063004
2220.089844	194.778198	2144.541016	197.579605	2068.041016	201.069092
2219.101563	206.130127	2143.541016	199.153168	2067.027344	216.103699
2218.113281	193.494705	2142.539063	207.149414	2066.015625	201.795670
2217.125000	187.772842	2141.539063	202.298676	2065.001953	200.969589
2216.136719	200.745758	2140.539063	191.429733	2063.988281	200.936432
2215.148438	200.712799	2139.537109	202.232086	2062.974609	188.619247
2214.158203	189.711487	2138.535156	194.175018	2061.960938	190.965286
2213.169922	198.615997	2137.535156	196.549789	2060.947266	188.160889
2212.181641	192.491867	2136.533203	200.929047	2059.931641	183.377075
2211.191406	188.805923	2135.531250	192.475174	2058.917969	197.998718
2210.203125	192.834579	2134.529297	199.259186	2057.904297	186.484024
2209.212891	196.861908	2133.527344	210.049530	2056.888672	186.453247
2208.222656	188.307037	2132.525391	203.201477	2055.875000	199.879715
2207.232422	198.826050	2131.523438	197.557861	2054.859375	194.306427
2206.242188	197.981979	2130.519531	205.939194	2053.843750	205.748810
2205.251953	202.817047	2129.517578	195.890427	2052.828125	195.033508
2204.261719	200.350327	2128.515625	202.667145	2051.812500	194.210236
2203.271484	194.640381	2127.511719	205.436996	2050.796875	185.477737
2202.281250	195.419266	2126.507813	205.803558	2049.781250	198.495636
2201.291016	186.469070	2125.505859	200.565369	2048.765625	191.742004
2200.298828	203.866364	2124.501953	202.933929	2047.750000	196.058426
2199.308594	182.355438	2123.498047	196.097137	2046.732422	196.421280
2198.316406	194.885666	2122.494141	212.070129	2045.716797	189.276184
2197.326172	184.320999	2121.490234	212.435257	2044.699219	188.454758
2196.333984	213.453186	2120.486328	195.200241	2043.683594	190.793762
2195.341797	199.649200	2119.482422	206.766190	2042.666016	187.997589
2194.349609	193.137955	2118.476563	200.334229	2041.648438	192.705200
2193.357422	205.251251	2117.472656	201.500641	2040.630859	188.725159
2192.365234	193.074463	2116.468750	192.273483	2039.613281	190.273041
2191.373047	198.708542	2115.462891	204.631622	2038.595703	201.292999
2190.380859	202.317596	2114.457031	199.802643	2037.578125	185.869308
2189.386719	195.406677	2113.453125	197.772034	2036.560547	190.573349
2188.394531	190.925018	2112.447266	205.329437	2035.542969	183.046448
2187.400391	182.400482	2111.441406	210.088501	2034.523438	192.088150
2186.408203	189.244766	2110.435547	209.255203	2033.505859	173.126831
2185.414063	198.108307	2109.429688	200.835922	2032.486328	181.772873
2184.419922	183.119003	2108.423828	198.008362	2031.468750	193.964172
2183.427734	177.430511	2107.416016	188.396255	2030.449219	197.085510
2182.433594	192.757263	2106.410156	194.351395	2029.429688	192.717789
2181.439453	187.473083	2105.404297	201.102585	2028.410156	187.563431
2180.445313	196.733582	2104.396484	202.665237	2027.390625	184.774612
2179.449219	190.642670	2103.390625	205.424011	2026.371094	181.986725
2178.455078	190.207489	2102.382813	195.419754	2025.351563	187.864349
2177.460938	205.519501	2101.375000	204.558792	2024.332031	194.527588
2176.464844	200.641235	2100.367188	201.734299	2023.310547	185.046265
2175.470703	200.204605	2099.361328	206.085846	2022.291016	194.463318
2174.474609	199.768112	2098.353516	212.428726	2021.269531	188.527405
2173.480469	192.875656	2097.343750	201.236069	2020.250000	191.250900
2172.484375	194.054245	2096.335938	195.226578	2019.228516	179.415649
2171.488281	188.778488	2095.328125	201.169739	2018.207031	184.106689
2170.492188	205.283005	2094.320313	201.136566	2017.187500	192.729431
2169.496094	200.813599	2093.310547	206.280334	2016.166016	183.652588
2168.500000	194.329773	2092.302734	197.884979	2015.144531	191.879349
2167.503906	189.460510	2091.292969	198.250458	2014.121094	187.130081
2166.507813	185.398941	2090.283203	197.023682	2013.099609	187.099152
2165.509766	191.816040	2089.275391	201.766754	2012.078125	183.138245
2164.513672	193.799026	2088.265625	193.377655	2011.056641	172.891647
2163.515625	201.421143	2087.255859	200.108887	2010.033203	184.649200
2162.519531	197.360245	2086.246094	194.904953	2009.011719	181.476227
2161.521484	184.843781	2085.236328	194.872818	2007.988281	190.086533
2160.523438	205.750824	2084.226563	198.021759	2006.964844	193.196533
2159.527344	195.249969	2083.214844	206.338028	2005.941406	191.594147
2158.529297	205.683121	2082.205078	204.316498	2004.917969	193.132675
2157.531250	191.563705	2081.195313	194.744308	2003.894531	182.503754
2156.531250	192.336945	2080.183594	196.699051	2002.871094	173.055603
2155.533203	191.500671	2079.171875	198.653137	2001.847656	193.821625
2154.535156	199.916321	2078.162109	204.578979	2000.824219	190.651291
2153.537109	201.894318	2077.150391	203.353714	1999.800781	172.577576
2152.537109	203.469543	2076.138672	185.053131	1998.775391	196.862778
2151.539063	199.415588	2075.126953	194.551666	1997.751953	183.891190

1996.726563	170.531860	1918.359375	188.917572	1839.000000	162.084473
1995.703125	189.709824	1917.322266	186.176819	1837.949219	170.083969
1994.677734	174.002548	1916.285156	181.501999	1836.898438	173.112900
1993.652344	174.365616	1915.246094	178.763382	1835.845703	173.084137
1992.626953	193.141647	1914.208984	172.543839	1834.794922	166.943054
1991.601563	170.390930	1913.169922	176.383301	1833.744141	171.116852
1990.576172	186.811569	1912.130859	187.956299	1832.691406	164.596222
1989.550781	180.515503	1911.091797	188.311829	1831.640625	159.986908
1988.523438	174.221497	1910.052734	184.027863	1830.587891	163.014450
1987.498047	183.978790	1909.013672	186.703201	1829.535156	166.422699
1986.472656	181.600098	1907.974609	175.850677	1828.482422	166.776672
1985.445313	180.004807	1906.935547	175.435089	1827.429688	174.762070
1984.417969	183.496292	1905.896484	180.428650	1826.376953	172.062439
1983.392578	188.551346	1904.855469	176.922104	1825.324219	160.971802
1982.365234	188.129028	1903.816406	177.665237	1824.271484	167.428604
1981.337891	188.880035	1902.775391	181.497421	1823.218750	159.392990
1980.310547	178.683014	1901.736328	188.031036	1822.164063	167.754211
1979.283203	177.480682	1900.695313	184.911575	1821.111328	169.251114
1978.255859	175.497009	1899.654297	178.705353	1820.056641	159.313538
1977.226563	177.421967	1898.613281	177.903900	1819.001953	159.668121
1976.199219	181.299942	1897.572266	167.456589	1817.949219	180.215912
1975.171875	174.628601	1896.531250	169.743515	1816.894531	160.376923
1974.142578	168.350052	1895.490234	169.329636	1815.839844	180.536865
1973.115234	188.239685	1894.449219	182.413757	1814.785156	175.556244
1972.085938	179.618103	1893.406250	173.129364	1813.730469	169.815765
1971.056641	183.492477	1892.365234	174.257233	1812.673828	173.975113
1970.027344	176.045563	1891.322266	178.082947	1811.619141	166.333664
1968.998047	187.334564	1890.281250	173.043243	1810.564453	171.253326
1967.968750	181.060120	1889.238281	160.683884	1809.507813	171.985855
1966.939453	183.371063	1888.195313	168.362610	1808.453125	162.826782
1965.910156	183.730804	1887.152344	174.497971	1807.396484	159.376343
1964.880859	169.659607	1886.109375	176.009583	1806.339844	168.096970
1963.849609	168.461655	1885.066406	160.192215	1805.283203	161.985062
1962.820313	172.332718	1884.023438	180.186340	1804.228516	176.785278
1961.789063	181.660080	1882.980469	176.691910	1803.171875	172.574554
1960.759766	177.342606	1881.937500	194.752228	1802.113281	182.047272
1959.728516	180.430847	1880.892578	161.625214	1801.056641	159.217377
1958.697266	178.063171	1879.849609	165.445999	1800.000000	178.567352
1957.666016	186.214676	1878.804688	186.961426	1798.943359	164.862427
1956.634766	179.951767	1877.759766	173.083694	1797.884766	165.974411
1955.603516	170.185944	1876.716797	168.440186	1796.826172	150.757156
1954.572266	173.662155	1875.671875	168.796722	1795.769531	162.881775
1953.541016	165.457840	1874.626953	180.686325	1794.710938	174.243118
1952.509766	174.772415	1873.582031	166.818832	1793.652344	163.966248
1951.476563	186.808167	1872.537109	178.704803	1792.593750	165.077423
1950.445313	177.438385	1871.492188	179.059402	1791.535156	165.429382
1949.412109	172.740341	1870.445313	168.272537	1790.476563	169.954208
1948.378906	189.438339	1869.400391	174.006409	1789.417969	175.236115
1947.347656	187.073410	1868.353516	173.209412	1788.359375	180.895493
1946.314453	183.153824	1867.308594	175.868622	1787.298828	173.281937
1945.281250	178.457932	1866.261719	172.384064	1786.240234	178.181519
1944.248047	185.814301	1865.214844	167.365204	1785.179688	178.909973
1943.214844	169.070786	1864.169922	173.094437	1784.121094	178.501221
1942.179688	175.260452	1863.123047	162.704788	1783.060547	167.482819
1941.146484	174.065811	1862.076172	162.294113	1782.000000	176.926376
1940.113281	181.029541	1861.029297	174.159088	1780.939453	160.987564
1939.078125	175.561813	1859.980469	165.308594	1779.878906	168.914139
1938.044922	172.814301	1858.933594	162.213287	1778.818359	164.720673
1937.009766	177.833359	1857.886719	175.989456	1777.757813	183.623505
1935.974609	163.439835	1856.837891	187.460892	1776.697266	178.671906
1934.939453	175.445526	1855.791016	165.198837	1775.634766	184.319336
1933.906250	181.237808	1854.742188	173.219208	1774.574219	175.585098
1932.871094	180.431747	1853.693359	178.171585	1773.511719	167.988800
1931.833984	180.013885	1852.646484	168.564468	1772.451172	181.200989
1930.798828	174.941406	1851.597656	178.878494	1771.388672	182.683731
1929.763672	180.342087	1850.548828	162.763885	1770.326172	177.359024
1928.728516	181.087753	1849.500000	160.439392	1769.263672	169.011261
1927.691406	173.303665	1848.449219	166.921143	1768.201172	171.629395
1926.656250	169.010925	1847.400391	166.893417	1767.138672	176.892471
1925.619141	179.059875	1846.351563	171.458328	1766.076172	173.461807
1924.582031	170.504959	1845.300781	181.378906	1765.013672	169.276581
1923.546875	182.487579	1844.251953	167.575455	1763.949219	168.115021
1922.509766	171.223236	1843.201172	170.225311	1762.886719	170.353363
1921.472656	181.265137	1842.152344	165.224991	1761.822266	165.793076
1920.435547	184.333145	1841.101563	160.608734	1760.759766	164.632675
1919.398438	181.592270	1840.050781	157.141006	1759.695313	173.666092

1758.630859	185.716278	1677.238281	165.859360	1594.806641	159.716629
1757.566406	176.627518	1676.160156	173.657425	1593.714844	147.547562
1756.501953	170.183212	1675.082031	154.998764	1592.623047	167.020889
1755.437500	170.154861	1674.003906	169.501587	1591.531250	154.486847
1754.373047	166.731537	1672.925781	165.376114	1590.439453	164.390610
1753.308594	172.738281	1671.847656	162.369247	1589.345703	166.569305
1752.242188	172.709503	1670.769531	157.873993	1588.253906	162.864990
1751.177734	171.549652	1669.689453	169.388382	1587.160156	158.059174
1750.111328	173.405914	1668.611328	161.171249	1586.068359	153.622498
1749.046875	165.085083	1667.531250	162.632950	1584.974609	157.271332
1747.980469	167.318634	1666.451172	165.954651	1583.880859	157.979767
1746.914063	178.217407	1665.373047	179.320129	1582.789063	157.953308
1745.847656	172.913666	1664.292969	155.484009	1581.695313	161.232300
1744.781250	146.895630	1663.212891	168.474854	1580.601563	161.939713
1743.714844	170.973068	1662.132813	160.266068	1579.505859	158.241089
1742.648438	184.876190	1661.052734	165.072495	1578.412109	164.087982
1741.582031	167.151428	1659.970703	162.442856	1577.318359	156.352951
1740.513672	177.662903	1658.890625	161.672394	1576.222656	155.959793
1739.447266	169.730118	1657.810547	158.672592	1575.128906	164.005524
1738.378906	168.196716	1656.728516	176.851364	1574.033203	169.480667
1737.312500	155.377319	1655.646484	155.276306	1572.939453	142.310562
1736.244141	175.663727	1654.566406	164.907074	1571.843750	158.789032
1735.175781	170.369171	1653.484375	168.593018	1570.748047	159.862396
1734.107422	153.419510	1652.402344	164.851959	1569.652344	162.401779
1733.039063	165.424835	1651.320313	166.309311	1568.556641	151.745071
1731.970703	179.305664	1650.238281	159.600555	1567.460938	150.253754
1730.902344	176.644897	1649.156250	170.706940	1566.363281	159.755264
1729.833984	164.590561	1648.072266	155.836823	1565.267578	165.590088
1728.763672	171.701706	1646.990234	160.633484	1564.171875	154.207397
1727.695313	172.048737	1645.908203	165.799454	1563.074219	161.139862
1726.625000	169.766510	1644.824219	167.996872	1561.976563	164.408340
1725.556641	167.860580	1643.742188	156.103439	1560.880859	177.926636
1724.486328	175.341873	1642.658203	159.784637	1559.783203	164.719269
1723.416016	176.063431	1641.574219	176.067322	1558.685547	162.861740
1722.345703	176.784760	1640.490234	161.584244	1557.587891	173.446121
1721.275391	179.006943	1639.406250	160.816147	1556.490234	172.685333
1720.205078	171.848022	1638.322266	152.268173	1555.392578	160.219269
1719.134766	171.819366	1637.238281	164.096161	1554.292969	162.752548
1718.064453	166.164383	1636.152344	162.216919	1553.195313	163.090942
1716.992188	167.636780	1635.068359	155.154175	1552.095703	168.547791
1715.921875	176.982910	1633.984375	174.380417	1550.998047	157.187408
1714.849609	167.205963	1632.898438	169.539001	1549.898438	164.470871
1713.779297	177.673553	1631.812500	163.218781	1548.798828	150.922409
1712.707031	171.272720	1630.728516	156.530609	1547.701172	164.415710
1711.634766	178.363724	1629.642578	159.834305	1546.601563	157.812622
1710.562500	162.973267	1628.556641	157.218094	1545.501953	155.959930
1709.490234	171.936218	1627.470703	163.109619	1544.400391	154.838226
1708.417969	170.409424	1626.384766	159.014511	1543.300781	147.509781
1707.345703	164.764038	1625.298828	153.811569	1542.201172	160.992325
1706.273438	155.376526	1624.210938	165.985199	1541.099609	163.520325
1705.199219	162.463043	1623.125000	164.478973	1540.000000	150.355072
1704.126953	165.804428	1622.037109	152.625732	1538.898438	151.424500
1703.052734	169.144684	1620.951172	158.142578	1537.796875	152.128723
1701.978516	168.742310	1619.863281	151.466370	1536.697266	148.820404
1700.906250	164.973267	1618.775391	158.089661	1535.595703	159.006882
1699.832031	160.457413	1617.687500	161.386978	1534.494141	152.781433
1698.757813	160.056671	1616.601563	160.621475	1533.392578	164.057556
1697.683594	167.881897	1615.511719	162.809708	1532.289063	156.010773
1696.609375	176.078354	1614.423828	155.030914	1531.187500	147.966705
1695.535156	164.461884	1613.335938	162.755219	1530.085938	157.415985
1694.458984	166.303009	1612.248047	160.882996	1528.982422	164.311798
1693.384766	162.165085	1611.158203	160.487137	1527.880859	148.620758
1692.308594	158.775696	1610.070313	155.664917	1526.777344	155.151520
1691.234375	177.799103	1608.980469	153.794800	1525.673828	164.229080
1690.158203	168.806259	1607.890625	151.187805	1524.572266	155.827606
1689.082031	171.391907	1606.802734	155.218079	1523.468750	168.178207
1688.007813	169.123245	1605.712891	156.666611	1522.365234	155.411346
1686.931641	173.947632	1604.623047	160.326050	1521.259766	144.104355
1685.855469	170.186432	1603.533203	162.510239	1520.156250	145.535522
1684.779297	175.382172	1602.443359	152.166641	1519.052734	152.422882
1683.701172	164.160156	1601.351563	156.193359	1517.947266	156.398163
1682.625000	166.743958	1600.261719	156.903854	1516.843750	155.280945
1681.548828	166.343140	1599.171875	161.664932	1515.738281	155.618469
1680.470703	173.400558	1598.080078	156.114929	1514.634766	149.775818
1679.394531	181.574127	1596.988281	159.033859	1513.529297	169.378189
1678.316406	165.141495	1595.898438	150.909637	1512.423828	163.171753



1511.318359	150.427094	1426.757813	153.180420	1341.107422	161.146317
1510.212891	159.847351	1425.638672	162.480194	1339.974609	158.994446
1509.107422	155.098541	1424.517578	159.583923	1338.839844	158.259506
1508.000000	150.351318	1423.398438	159.557037	1337.705078	166.728500
1506.894531	166.302765	1422.277344	165.266083	1336.570313	168.823898
1505.787109	150.300827	1421.156250	152.693054	1335.435547	164.902832
1504.681641	154.994385	1420.035156	165.210419	1334.298828	160.983078
1503.574219	148.798660	1418.914063	162.674408	1333.164063	164.493378
1502.468750	164.739624	1417.792969	159.780975	1332.027344	159.867630
1501.361328	158.544327	1416.671875	154.739365	1330.892578	154.536163
1500.253906	161.056885	1415.550781	154.713303	1329.755859	170.420715
1499.146484	155.589630	1414.429688	169.726273	1328.621094	173.573517
1498.039063	161.002777	1413.306641	169.697678	1327.484375	164.001022
1496.929688	153.724579	1412.185547	161.436203	1326.347656	163.266525
1495.822266	152.248764	1411.062500	178.945679	1325.210938	179.138840
1494.714844	149.323700	1409.939453	172.832413	1324.074219	163.211349
1493.605469	154.371857	1408.816406	159.565765	1322.935547	172.014069
1492.496094	155.795181	1407.695313	158.823456	1321.798828	168.453491
1491.388672	159.391541	1406.572266	156.293152	1320.662109	169.837387
1490.279297	161.537918	1405.447266	158.412354	1319.523438	162.041962
1489.169922	156.440933	1404.324219	152.307648	1318.384766	180.369171
1488.060547	162.931915	1403.201172	152.996918	1317.248047	167.986710
1486.951172	154.578308	1402.078125	161.191559	1316.109375	166.194061
1485.841797	162.877167	1400.953125	164.737869	1314.970703	178.866547
1484.732422	154.164474	1399.828125	158.278915	1313.832031	161.905060
1483.621094	152.691254	1398.705078	159.323914	1312.693359	168.931183
1482.511719	152.665588	1397.580078	167.154770	1311.554688	172.076172
1481.400391	162.405991	1396.455078	158.556000	1310.414063	169.931747
1480.289063	153.699203	1395.330078	159.600418	1309.275391	175.190445
1479.179688	154.396545	1394.205078	167.784241	1308.134766	181.504684
1478.068359	157.262772	1393.080078	161.688187	1306.996094	178.654984
1476.957031	153.260254	1391.955078	168.798279	1305.855469	171.226120
1475.845703	157.209915	1390.828125	150.215836	1304.714844	171.549423
1474.734375	144.897873	1389.703125	161.249664	1303.574219	168.350632
1473.621094	147.763763	1388.576172	167.642853	1302.433594	167.265747
1472.509766	159.659180	1387.449219	163.691681	1301.292969	170.054092
1471.398438	157.104218	1386.324219	151.540817	1300.152344	166.505142
1470.285156	161.772079	1385.197266	152.584778	1299.011719	181.963211
1469.173828	157.051392	1384.070313	168.599136	1297.869141	179.821030
1468.060547	140.420044	1382.943359	164.294067	1296.728516	171.698288
1466.947266	155.194000	1381.816406	160.703110	1295.585938	164.633621
1465.833984	160.219879	1380.687500	153.550690	1294.443359	170.233307
1464.720703	162.718506	1379.560547	170.622681	1293.302734	170.907837
1463.607422	161.608932	1378.433594	165.607864	1292.160156	171.933746
1462.494141	160.499725	1377.304688	167.360352	1291.017578	166.279953
1461.380859	153.260483	1376.177734	160.211609	1289.875000	162.034027
1460.265625	156.840225	1375.048828	155.201065	1288.730469	176.766434
1459.152344	160.418762	1373.919922	155.886688	1287.587891	177.087891
1458.037109	145.974533	1372.791016	159.774689	1286.445313	176.004013
1456.921875	156.761093	1371.662109	157.257248	1285.300781	177.379211
1455.808594	155.293488	1370.533203	162.566605	1284.158203	172.081406
1454.693359	152.025116	1369.404297	162.183502	1283.013672	168.541016
1453.578125	158.122757	1368.273438	168.557037	1281.869141	168.512497
1452.462891	161.337296	1367.144531	148.262497	1280.724609	181.120270
1451.347656	166.351105	1366.013672	168.855652	1279.580078	168.806412
1450.230469	156.602921	1364.884766	167.760880	1278.435547	180.357193
1449.115234	158.016357	1363.753906	162.046722	1277.291016	174.713379
1448.000000	155.470581	1362.623047	163.085297	1276.146484	171.877655
1446.882813	151.126511	1361.492188	158.084335	1275.000000	173.952820
1445.765625	147.143677	1360.361328	174.751389	1273.855469	163.053177
1444.650391	166.902634	1359.230469	161.582230	1272.708984	171.089203
1443.533203	161.120255	1358.099609	165.105621	1271.562500	177.720367
1442.416016	153.182312	1356.968750	152.297546	1270.417969	175.937912
1441.298828	161.785065	1355.835938	156.176239	1269.271484	161.891541
1440.181641	156.365906	1354.705078	162.537827	1268.125000	174.126572
1439.064453	166.762238	1353.572266	160.026611	1266.978516	170.944427
1437.945313	155.594589	1352.441406	161.418655	1265.832031	169.514526
1436.828125	146.227112	1351.308594	162.810242	1264.683594	171.937073
1435.708984	155.901443	1350.175781	154.625885	1263.537109	172.958313
1434.591797	162.699219	1349.042969	164.173615	1262.388672	173.629135
1433.472656	160.158142	1347.910156	165.563995	1261.242188	180.949722
1432.353516	160.131180	1346.777344	166.244980	1260.093750	172.520508
1431.234375	166.565826	1345.642578	168.343353	1258.945313	175.290344
1430.115234	157.205917	1344.509766	172.921432	1257.796875	166.515106
1428.996094	174.404587	1343.376953	158.012177	1256.648438	163.688812
1427.876953	164.328918	1342.242188	169.320770	1255.500000	175.201294

1254.351563	171.325531	1166.470703	202.956665	1077.449219	1115.885742
1253.203125	169.199005	1165.308594	206.028137	1076.269531	1222.325439
1252.054688	170.917969	1164.144531	205.303024	1075.089844	1101.540283
1250.904297	171.937408	1162.978516	196.298431	1073.912109	868.753967
1249.753906	184.836334	1161.814453	201.439026	1072.732422	670.437073
1248.605469	167.686981	1160.650391	200.025314	1071.550781	526.317444
1247.455078	183.376556	1159.484375	200.336121	1070.371094	470.064941
1246.304688	180.551666	1158.320313	206.162888	1069.191406	447.523560
1245.154297	175.981842	1157.154297	210.264191	1068.011719	450.509613
1244.003906	173.857361	1155.990234	216.431915	1066.830078	458.597748
1242.853516	179.063675	1154.824219	192.619232	1065.648438	486.071533
1241.703125	181.127289	1153.658203	208.778915	1064.468750	526.119263
1240.550781	174.815796	1152.492188	225.966476	1063.287109	554.592285
1239.400391	172.344040	1151.326172	214.907181	1062.105469	598.694275
1238.248047	176.151794	1150.158203	222.790558	1060.923828	616.267822
1237.097656	183.445831	1148.992188	227.572678	1059.742188	604.267700
1235.945313	195.967834	1147.826172	218.928314	1058.560547	663.629639
1234.792969	184.429565	1146.658203	220.956100	1057.376953	743.355835
1233.640625	194.855667	1145.492188	231.930038	1056.195313	857.702637
1232.488281	184.367035	1144.324219	225.009583	1055.011719	1012.086304
1231.335938	190.608078	1143.156250	226.347290	1053.830078	1049.266113
1230.181641	201.724625	1141.988281	226.996674	1052.646484	1118.686768
1229.029297	201.342072	1140.820313	221.456039	1051.462891	1115.780273
1227.876953	193.993988	1139.652344	221.074570	1050.279297	1226.911377
1226.722656	193.264648	1138.484375	232.381012	1049.095703	1414.355225
1225.568359	195.669037	1137.314453	234.747391	1047.912109	1609.877686
1224.416016	201.553680	1136.146484	231.958328	1046.728516	1668.288208
1223.261719	188.641739	1134.976563	242.569946	1045.544922	1532.338379
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1220.953125	208.061813	1132.638672	226.001038	1043.173828	1298.889893
1219.796875	199.677628	1131.468750	240.385742	1041.990234	1249.853760
1218.642578	195.122223	1130.298828	228.327606	1040.804688	1224.898438
1217.488281	189.177338	1129.128906	230.348495	1039.619141	1128.788086
1216.332031	182.539078	1127.958984	231.682236	1038.433594	1033.049438
1215.177734	193.632416	1126.787109	242.624405	1037.248047	919.389160
1214.021484	197.422897	1125.617188	230.917175	1036.062500	808.138550
1212.865234	200.169540	1124.447266	234.651505	1034.876953	784.295654
1211.708984	195.618637	1123.275391	234.268585	1033.689453	820.390320
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1209.396484	191.731537	1120.933594	244.475327	1031.316406	926.050964
1208.240234	181.975143	1119.761719	242.033951	1030.128906	1011.172485
1207.083984	180.208160	1118.589844	236.165741	1028.943359	1031.301025
1205.925781	192.328278	1117.417969	271.081726	1027.755859	1009.812317
1204.769531	187.089081	1116.244141	265.210541	1026.568359	933.198120
1203.611328	192.610062	1115.072266	267.220947	1025.380859	763.610596
1202.455078	190.148468	1113.900391	249.363754	1024.191406	636.346191
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1197.822266	203.889465	1109.207031	289.243011	1019.437500	484.198334
1196.664063	189.987183	1108.033203	266.263611	1018.250000	487.156128
1195.503906	180.595825	1106.859375	267.244843	1017.060547	501.935059
1194.345703	189.229538	1105.685547	280.542175	1015.871094	466.726624
1193.187500	195.088181	1104.511719	291.098480	1014.681641	478.802673
1192.027344	189.858215	1103.337891	299.257080	1013.492188	472.981628
1190.867188	186.015594	1102.162109	302.967590	1012.300781	457.036194
1189.708984	194.642502	1100.988281	309.753815	1011.111328	461.007935
1188.548828	192.185486	1099.812500	333.629395	1009.921875	447.431976
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1186.228516	193.158722	1097.462891	352.993622	1007.539063	436.822357
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1183.906250	198.629852	1095.111328	401.380676	1005.158203	437.684662
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1180.423828	188.498474	1091.582031	444.878113	1001.582031	424.316254
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1178.099609	179.099167	1089.228516	459.061523	999.199219	432.930908
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1175.775391	194.246231	1086.875000	492.000854	996.814453	439.182037
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982.486328	780.773376	891.060547	1360.869507	798.433594	1597.635376
981.291016	858.939087	889.849609	1613.060059	797.207031	2322.540283
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978.900391	1099.509399	887.427734	2412.957031	794.751953	3908.077637
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972.917969	2988.927246	881.367188	10649.049805	788.613281	1552.925537
971.720703	3623.349365	880.154297	13490.301758	787.384766	1140.054443
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965.734375	9385.423828	874.087891	6861.487305	781.238281	492.934021
964.535156	13100.333984	872.875000	4698.510742	780.009766	438.632416
963.337891	17208.488281	871.660156	3427.580322	778.779297	393.166382
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952.542969	2336.670898	860.724609	751.515442	767.699219	287.244751
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948.941406	2448.531250	857.076172	697.641235	764.001953	270.476563
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940.529297	1336.391968	848.554688	2899.001709	755.367188	240.856873
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934.515625	714.023682	842.460938	1116.627930	749.195313	245.202072
933.312500	659.499329	841.242188	821.596741	747.958984	235.080246
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930.904297	570.191345	838.802734	597.049988	745.488281	240.199677
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915.236328	462.727814	822.927734	328.909149	729.404297	229.283615
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912.822266	433.949738	820.480469	307.117126	726.925781	239.578644
911.615234	460.493469	819.257813	313.960907	725.685547	234.675232
910.406250	467.400543	818.035156	322.115753	724.447266	238.199600
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905.576172	551.852539	813.140625	338.956787	719.488281	207.916397
904.367188	558.737976	811.916016	352.677490	718.246094	209.823303
903.158203	585.892944	810.691406	363.113281	717.005859	216.585724
901.949219	598.086487	809.466797	375.841217	715.765625	212.987732
900.740234	645.490356	808.242188	388.892639	714.523438	212.950943
899.531250	685.570557	807.015625	417.348328	713.283203	229.093048
898.322266	718.994995	805.791016	443.827454	712.041016	214.818512
897.111328	760.376892	804.564453	483.734528	710.798828	210.252884

709.556641	227.033890	614.537109	732.208374	518.253906	228.373978
708.314453	219.234161	613.277344	716.763306	516.978516	229.908966
707.072266	229.541840	612.019531	732.273621	515.703125	220.737183
705.830078	230.795166	610.759766	800.097534	514.427734	225.106445
704.587891	222.029236	609.500000	880.975342	513.152344	236.714111
703.343750	230.715408	608.240234	956.084778	511.875000	244.226318
702.101563	222.275589	606.980469	975.368958	510.599609	244.498474
700.857422	227.082474	605.720703	871.909607	509.322266	228.410553
699.613281	226.074341	604.460938	720.674866	508.044922	247.873550
698.371094	226.681091	603.201172	618.251587	506.767578	242.169296
697.126953	231.807541	601.939453	553.462219	505.490234	237.095932
695.880859	209.817352	600.679688	571.206482	504.212891	237.054657
694.636719	218.495071	599.417969	570.470337	502.935547	246.757980
693.392578	232.655426	598.156250	647.121521	501.658203	252.057892
692.146484	219.387421	596.894531	740.303467	500.378906	246.672058
690.902344	220.962372	595.634766	898.079041	499.101563	262.023804
689.656250	220.601654	594.371094	1124.870850	497.822266	265.747650
688.412109	226.690277	593.109375	1288.889771	496.542969	260.676300
687.166016	221.815018	591.847656	1462.397461	495.263672	260.944916
685.919922	226.934250	590.583984	1474.869141	493.984375	266.236755
684.673828	226.250427	589.322266	1373.464111	492.705078	281.257782
683.425781	223.955643	588.058594	1202.447144	491.425781	302.236694
682.179688	218.117630	586.794922	1049.931641	490.144531	299.673706
680.933594	212.603760	585.533203	927.988647	488.865234	302.758911
679.685547	219.008408	584.269531	902.081116	487.583984	317.763062
678.437500	226.698914	583.003906	912.412048	486.304688	351.893433
677.191406	234.386734	581.740234	1022.512146	485.023438	349.637115
675.943359	221.791931	580.476563	1172.285522	483.742188	368.700989
674.695313	223.684662	579.210938	1224.809814	482.460938	406.566223
673.447266	228.151062	577.947266	1149.647827	481.179688	401.480804
672.199219	227.468124	576.681641	904.952332	479.896484	414.571869
670.949219	224.855331	575.416016	675.263000	478.615234	402.280823
669.701172	227.711060	574.152344	563.732422	477.332031	440.427002
668.451172	239.248184	572.886719	449.066925	476.050781	445.048157
667.203125	227.632278	571.619141	407.421783	474.767578	444.970612
665.953125	229.200180	570.353516	394.343719	473.484375	483.402466
664.703125	226.267899	569.087891	380.953003	472.201172	481.440033
663.453125	225.264694	567.820313	354.246948	470.917969	491.058350
662.203125	221.370209	566.554688	338.648193	469.634766	499.421631
660.953125	232.575180	565.287109	338.589386	468.351563	509.346313
659.703125	228.038391	564.019531	329.338287	467.066406	546.482117
658.451172	231.852432	562.751953	324.844177	465.783203	543.259277
657.201172	232.133377	561.484375	320.351624	464.498047	568.180786
655.949219	225.993927	560.216797	303.188171	463.212891	614.978943
654.697266	245.854233	558.949219	323.724670	461.927734	637.065857
653.445313	242.923553	557.681641	320.818115	460.642578	680.710266
652.193359	239.673019	556.412109	308.096527	459.357422	749.963196
650.941406	237.385986	555.144531	309.625977	458.072266	807.632019
649.689453	250.495087	553.875000	315.586334	456.785156	888.084106
648.437500	244.038101	552.605469	310.467834	455.500000	952.579712
647.183594	262.592102	551.335938	336.993652	454.212891	1055.149292
645.931641	240.427322	550.066406	328.076691	452.927734	1110.539063
644.677734	262.180664	548.796875	344.784424	451.640625	1211.172363
643.423828	256.367004	547.527344	361.486359	450.353516	1280.560181
642.171875	261.769470	546.255859	339.605316	449.066406	1358.348999
640.917969	277.421173	544.986328	328.797150	447.779297	1387.751587
639.664063	270.326691	543.714844	285.434814	446.492188	1407.473633
638.408203	274.763184	542.445313	281.592712	445.203125	1417.520386
637.154297	302.251190	541.173828	248.681198	443.916016	1402.616943
635.900391	316.924622	539.902344	250.533554	442.626953	1332.534180
634.644531	353.037689	538.630859	264.704437	441.337891	1352.563721
633.388672	375.377594	537.359375	246.024948	440.048828	1309.629150
632.134766	414.987549	536.085938	245.982178	438.759766	1329.343872
630.878906	432.190460	534.814453	233.310944	437.470703	1377.403564
629.623047	436.593445	533.541016	229.482483	436.181641	1441.956177
628.367188	446.431396	532.269531	225.339767	434.892578	1585.283325
627.111328	451.469849	530.996094	218.358536	433.601563	1713.924561
625.853516	445.637360	529.722656	217.374084	432.312500	1797.065063
624.597656	462.500366	528.449219	214.181915	431.021484	1868.036255
623.339844	463.698486	527.175781	212.252365	429.732422	1842.189087
622.083984	466.174255	525.902344	215.053406	428.441406	1705.571167
620.826172	483.983276	524.628906	222.582535	427.150391	1508.331543
619.568359	512.326477	523.353516	216.869904	425.859375	1361.865234
618.310547	560.778931	522.080078	225.026413	424.566406	1184.348389
617.052734	623.263489	520.804688	219.945541	423.275391	1010.625061
615.794922	675.510742	519.529297	214.236313	421.982422	941.116272

420.691406	883.755005	321.824219	5218.376953	221.630859	603.845947
419.398438	835.737671	320.513672	4596.715820	220.304688	602.226563
418.105469	807.313965	319.205078	3818.885742	218.976563	624.511047
416.812500	820.221985	317.894531	3020.174316	217.648438	638.317017
415.519531	819.146790	316.583984	2382.058594	216.320313	669.963745
414.226563	826.147156	315.273438	1939.699585	214.992188	717.627136
412.933594	877.860901	313.962891	1624.355347	213.664063	747.434509
411.640625	914.653870	312.652344	1372.846680	212.335938	850.994263
410.345703	993.030029	311.339844	1216.384277	211.005859	908.574951
409.052734	1062.378296	310.029297	1059.976807	209.677734	1050.751465
407.757813	1119.289795	308.716797	996.099365	208.347656	1214.330444
406.462891	1199.760864	307.404297	912.037964	207.017578	1421.957520
405.167969	1278.032349	306.093750	854.330872	205.689453	1581.788940
403.873047	1325.881958	304.781250	781.953613	204.359375	1608.689331
402.578125	1326.580566	303.468750	766.822754	203.027344	1512.692749
401.281250	1282.013062	302.154297	724.468384	201.697266	1288.430298
399.986328	1230.641479	300.841797	692.528992	200.367188	1049.457275
398.689453	1147.364868	299.529297	657.848267	199.035156	886.313782
397.394531	1157.080444	298.214844	669.658325	197.705078	768.184387
396.097656	1271.822388	296.900391	640.191101	196.373047	739.390564
394.800781	1460.868652	295.587891	657.502136	195.041016	757.055664
393.503906	1790.149536	294.273438	643.939514	193.708984	793.411438
392.207031	2068.531006	292.958984	662.160461	192.376953	853.272095
390.910156	2162.908936	291.644531	701.455322	191.044922	904.369385
389.611328	1934.081177	290.328125	681.171936	189.712891	864.123413
388.314453	1538.823730	289.013672	694.184814	188.378906	847.698242
387.015625	1170.007080	287.697266	671.772339	187.046875	784.879089
385.718750	886.092163	286.382813	698.215332	185.712891	698.283752
384.419922	722.917358	285.066406	660.242554	184.378906	634.007080
383.121094	643.305603	283.750000	650.360535	183.044922	605.287231
381.822266	582.275269	282.433594	620.648132	181.710938	578.685120
380.523438	526.831421	281.117188	615.352783	180.376953	588.216125
379.222656	500.773254	279.800781	594.502747	179.042969	570.655701
377.923828	481.523621	278.484375	579.454529	177.707031	580.786621
376.623047	460.735626	277.166016	578.438049	176.373047	571.658081
375.324219	476.102905	275.849609	593.579895	175.037109	578.776978
374.023438	441.422485	274.531250	607.497192	173.701172	547.696045
372.722656	446.286865	273.212891	581.485779	172.367188	549.403748
371.421875	443.429626	271.894531	606.065063	171.031250	544.195679
370.121094	435.324768	270.576172	616.012207	169.693359	536.584534
368.820313	436.174652	269.257813	631.743286	168.357422	525.970520
367.517578	424.061676	267.939453	640.768799	167.021484	503.039673
366.216797	429.850464	266.619141	627.867432	165.683594	504.453217
364.914063	439.648041	265.300781	590.310974	164.347656	512.474976
363.613281	436.177917	263.980469	584.119507	163.009766	493.463013
362.310547	431.475342	262.660156	531.367126	161.671875	498.180603
361.007813	453.601959	261.341797	490.195892	160.333984	533.820923
359.705078	463.696777	260.021484	474.898438	158.996094	549.936707
358.402344	462.074341	258.701172	453.218658	157.658203	606.864563
357.099609	468.465668	257.378906	448.273102	156.320313	673.674927
355.794922	498.582092	256.058594	430.862549	154.980469	711.659241
354.492188	503.424316	254.736328	421.666412	153.642578	716.033264
353.187500	520.894409	253.416016	445.301208	152.302734	700.911011
351.882813	538.666382	252.093750	423.341675	150.962891	713.681641
350.578125	547.502075	250.771484	455.779541	149.623047	785.510925
349.273438	596.050842	249.449219	456.307037	148.283203	967.626648
347.968750	593.176086	248.126953	467.769196	146.943359	1314.217529
346.664063	671.861267	246.804688	464.953735	145.603516	1868.646362
345.359375	724.670715	245.482422	443.617249	144.261719	2505.569580
344.052734	767.308777	244.158203	469.040466	142.921875	2809.468994
342.748047	844.076416	242.835938	471.689819	141.580078	2565.183594
341.441406	914.666016	241.511719	484.959991	140.238281	2029.625854
340.134766	1037.813477	240.189453	502.169983	138.896484	1431.684448
338.828125	1196.888916	238.865234	495.104126	137.554688	1066.539429
337.521484	1380.192627	237.541016	529.292175	136.212891	813.156311
336.214844	1601.849365	236.216797	529.502319	134.871094	682.248535
334.908203	1934.665527	234.890625	550.330933	133.527344	620.796387
333.601563	2251.081787	233.566406	548.415161	132.185547	565.348450
332.292969	2677.049316	232.240234	530.132385	130.841797	542.519043
330.986328	3128.973145	230.916016	541.555115	129.498047	507.437866
329.677734	3557.401123	229.589844	524.794922	128.156250	493.894714
328.369141	4006.555664	228.263672	536.517456	126.812500	495.003143
327.060547	4444.195313	226.937500	543.086731	125.466797	500.295258
325.751953	4863.573730	225.611328	540.265625	124.123047	507.378326
324.443359	5309.194336	224.285156	564.696289	122.779297	535.969360
323.132813	5473.936523	222.958984	565.807861	121.433594	560.667114

120.089844	621.194214	21.1453	983	22.6459	821
118.744141	714.844421	21.1650	864	22.6657	838
117.398438	986.991699	21.1847	942	22.6854	784
116.052734	1434.855103	21.2045	943	22.7052	840
114.707031	2247.254150	21.2242	900	22.7249	850
113.361328	3378.938721	21.2440	933	22.7447	827
112.015625	4384.326172	21.2637	897	22.7644	859
110.667969	4568.784668	21.2835	932	22.7841	899
109.322266	3630.642822	21.3032	901	22.8039	805
107.974609	2248.847412	21.3230	879	22.8236	927
106.626953	1313.235596	21.3427	889	22.8434	860
105.279297	808.667053	21.3625	891	22.8631	888
103.931641	616.600220	21.3822	903	22.8829	838
102.583984	507.137817	21.4019	918	22.9026	926
		21.4217	847	22.9224	827
		21.4414	892	22.9421	885
		21.4612	809	22.9619	883
		21.4809	927	22.9816	891
		21.5007	858	23.0013	871
		21.5204	867	23.0211	820
		21.5402	879	23.0408	836
		21.5599	884	23.0606	873
		21.5797	865	23.0803	846
		21.5994	895	23.1001	799
		21.6191	931	23.1198	816
		21.6389	866	23.1396	827
		21.6586	857	23.1593	825
		21.6784	930	23.1791	833
		21.6981	865	23.1988	857
		21.7179	832	23.2185	813
		21.7376	910	23.2383	860
		21.7574	856	23.2580	818
		21.7771	919	23.2778	835
		21.7969	899	23.2975	848
		21.8166	957	23.3173	827
		21.8364	923	23.3370	840
		21.8561	890	23.3568	812
		21.8758	912	23.3765	822
		21.8956	876	23.3963	793
		21.9153	885	23.4160	781
		21.9351	885	23.4358	805
		21.9548	923	23.4555	836
		21.9746	867	23.4752	789
		21.9943	842	23.4950	825
		22.0141	884	23.5147	817
		22.0338	850	23.5345	817
		22.0536	837	23.5542	817
		22.0733	864	23.5740	839
		22.0930	857	23.5937	799
		22.1128	907	23.6135	824
		22.1325	900	23.6332	862
		22.1523	848	23.6530	813
		22.1720	864	23.6727	811
		22.1918	854	23.6924	806
		22.2115	901	23.7122	787
		22.2313	801	23.7319	846
		22.2510	869	23.7517	812
		22.2708	908	23.7714	859
		22.2905	854	23.7912	765
		22.3102	875	23.8109	800
		22.3300	968	23.8307	831
		22.3497	879	23.8504	790
		22.3695	857	23.8702	794
		22.3892	882	23.8899	817
		22.4090	885	23.9096	783
		22.4287	817	23.9294	807
		22.4485	842	23.9491	796
		22.4682	855	23.9689	824
		22.4880	879	23.9886	812
		22.5077	861	24.0084	798
		22.5274	883	24.0281	783
		22.5472	858	24.0479	763
		22.5669	866	24.0676	757
		22.5867	816	24.0874	825
		22.6064	851	24.1071	822
		22.6262	879	24.1269	830

## XRD Spectrum

2theta (°) Intensity (A.U.)

20.0000	915
20.0197	1013
20.0395	983
20.0592	997
20.0790	933
20.0987	981
20.1185	898
20.1382	944
20.1580	934
20.1777	1011
20.1975	965
20.2172	964
20.2369	1022
20.2567	1002
20.2764	945
20.2962	983
20.3159	962
20.3357	941
20.3554	976
20.3752	915
20.3949	978
20.4147	991
20.4344	940
20.4542	950
20.4739	923
20.4936	940
20.5134	954
20.5331	874
20.5529	991
20.5726	935
20.5924	858
20.6121	954
20.6319	957
20.6516	909
20.6714	956
20.6911	979
20.7108	919
20.7306	989
20.7503	982
20.7701	885
20.7898	923
20.8096	869
20.8293	890
20.8491	938
20.8688	823
20.8886	921
20.9083	956
20.9280	911
20.9478	882
20.9675	995
20.9873	898
21.0070	928
21.0268	912
21.0465	907
21.0663	899
21.0860	893
21.1058	933
21.1255	903

24.1466	759	25.6473	738	27.1479	716
24.1663	835	25.6670	801	27.1677	674
24.1861	839	25.6868	771	27.1874	696
24.2058	792	25.7065	743	27.2072	735
24.2256	856	25.7263	777	27.2269	725
24.2453	784	25.7460	784	27.2467	694
24.2651	823	25.7657	811	27.2664	690
24.2848	821	25.7855	789	27.2862	670
24.3046	833	25.8052	822	27.3059	684
24.3243	854	25.8250	827	27.3257	685
24.3441	793	25.8447	857	27.3454	698
24.3638	790	25.8645	860	27.3651	703
24.3835	796	25.8842	885	27.3849	682
24.4033	846	25.9040	917	27.4046	707
24.4230	778	25.9237	996	27.4244	713
24.4428	847	25.9435	1072	27.4441	716
24.4625	755	25.9632	1047	27.4639	673
24.4823	781	25.9829	1038	27.4836	688
24.5020	830	26.0027	999	27.5034	717
24.5218	767	26.0224	932	27.5231	700
24.5415	781	26.0422	871	27.5429	678
24.5613	767	26.0619	851	27.5626	720
24.5810	809	26.0817	835	27.5823	726
24.6007	823	26.1014	832	27.6021	664
24.6205	780	26.1212	765	27.6218	705
24.6402	792	26.1409	754	27.6416	696
24.6600	820	26.1607	756	27.6613	716
24.6797	785	26.1804	730	27.6811	706
24.6995	760	26.2001	742	27.7008	719
24.7192	799	26.2199	741	27.7206	708
24.7390	810	26.2396	749	27.7403	691
24.7587	806	26.2594	764	27.7601	672
24.7785	819	26.2791	766	27.7798	672
24.7982	800	26.2989	736	27.7996	649
24.8180	822	26.3186	733	27.8193	669
24.8377	780	26.3384	736	27.8390	684
24.8574	762	26.3581	694	27.8588	688
24.8772	775	26.3779	743	27.8785	658
24.8969	811	26.3976	727	27.8983	707
24.9167	785	26.4174	733	27.9180	710
24.9364	802	26.4371	739	27.9378	678
24.9562	769	26.4568	777	27.9575	661
24.9759	791	26.4766	772	27.9773	663
24.9957	792	26.4963	729	27.9970	657
25.0154	759	26.5161	788	28.0168	659
25.0352	816	26.5358	788	28.0365	674
25.0549	799	26.5556	742	28.0562	693
25.0746	761	26.5753	721	28.0760	697
25.0944	778	26.5951	707	28.0957	651
25.1141	759	26.6148	721	28.1155	716
25.1339	773	26.6346	741	28.1352	670
25.1536	790	26.6543	701	28.1550	698
25.1734	744	26.6740	732	28.1747	710
25.1931	793	26.6938	750	28.1945	765
25.2129	805	26.7135	775	28.2142	742
25.2326	843	26.7333	705	28.2340	744
25.2524	800	26.7530	712	28.2537	750
25.2721	778	26.7728	715	28.2734	757
25.2918	821	26.7925	698	28.2932	735
25.3116	795	26.8123	704	28.3129	681
25.3313	882	26.8320	715	28.3327	675
25.3511	868	26.8518	772	28.3524	677
25.3708	846	26.8715	713	28.3722	642
25.3906	916	26.8912	681	28.3919	661
25.4103	775	26.9110	735	28.4117	689
25.4301	861	26.9307	636	28.4314	666
25.4498	786	26.9505	682	28.4512	693
25.4696	787	26.9702	734	28.4709	674
25.4893	788	26.9900	702	28.4907	614
25.5091	772	27.0097	708	28.5104	668
25.5288	775	27.0295	812	28.5301	625
25.5485	733	27.0492	727	28.5499	658
25.5683	797	27.0690	723	28.5696	643
25.5880	811	27.0887	712	28.5894	641
25.6078	788	27.1085	733	28.6091	669
25.6275	758	27.1282	709	28.6289	668

28.6486	681	30.1493	576	31.6500	766
28.6684	633	30.1690	572	31.6697	741
28.6881	645	30.1888	588	31.6895	805
28.7079	605	30.2085	601	31.7092	861
28.7276	650	30.2283	589	31.7289	832
28.7473	662	30.2480	543	31.7487	880
28.7671	644	30.2678	525	31.7684	1042
28.7868	640	30.2875	521	31.7882	1125
28.8066	594	30.3073	588	31.8079	1310
28.8263	625	30.3270	518	31.8277	1399
28.8461	640	30.3467	509	31.8474	1514
28.8658	647	30.3665	553	31.8672	1562
28.8856	651	30.3862	567	31.8869	1463
28.9053	642	30.4060	538	31.9067	1300
28.9251	684	30.4257	568	31.9264	1210
28.9448	746	30.4455	582	31.9461	1024
28.9645	746	30.4652	551	31.9659	850
28.9843	748	30.4850	531	31.9856	784
29.0040	747	30.5047	566	32.0054	778
29.0238	746	30.5245	548	32.0251	643
29.0435	766	30.5442	532	32.0449	635
29.0633	745	30.5639	585	32.0646	591
29.0830	678	30.5837	567	32.0844	550
29.1028	705	30.6034	539	32.1041	577
29.1225	675	30.6232	569	32.1239	584
29.1423	656	30.6429	578	32.1436	592
29.1620	650	30.6627	554	32.1634	631
29.1818	623	30.6824	570	32.1831	663
29.2015	653	30.7022	565	32.2028	801
29.2212	612	30.7219	486	32.2226	882
29.2410	606	30.7417	529	32.2423	962
29.2607	636	30.7614	539	32.2621	1050
29.2805	612	30.7812	524	32.2818	1042
29.3002	608	30.8009	508	32.3016	1045
29.3200	578	30.8206	538	32.3213	917
29.3397	601	30.8404	565	32.3411	864
29.3595	591	30.8601	519	32.3608	835
29.3792	582	30.8799	582	32.3806	772
29.3990	553	30.8996	529	32.4003	725
29.4187	628	30.9194	537	32.4200	685
29.4384	587	30.9391	517	32.4398	640
29.4582	589	30.9589	504	32.4595	567
29.4779	593	30.9786	551	32.4793	550
29.4977	592	30.9984	527	32.4990	486
29.5174	617	31.0181	549	32.5188	502
29.5372	629	31.0378	537	32.5385	505
29.5569	576	31.0576	503	32.5583	490
29.5767	560	31.0773	571	32.5780	476
29.5964	604	31.0971	524	32.5978	483
29.6162	607	31.1168	529	32.6175	481
29.6359	612	31.1366	589	32.6372	506
29.6556	617	31.1563	564	32.6570	551
29.6754	568	31.1761	614	32.6767	501
29.6951	558	31.1958	634	32.6965	510
29.7149	562	31.2156	656	32.7162	490
29.7346	566	31.2353	681	32.7360	506
29.7544	597	31.2550	732	32.7557	478
29.7741	558	31.2748	707	32.7755	580
29.7939	620	31.2945	717	32.7952	567
29.8136	590	31.3143	694	32.8150	564
29.8334	554	31.3340	645	32.8347	598
29.8531	556	31.3538	574	32.8545	594
29.8729	549	31.3735	569	32.8742	671
29.8926	561	31.3933	551	32.8939	732
29.9123	562	31.4130	570	32.9137	799
29.9321	556	31.4328	519	32.9334	915
29.9518	598	31.4525	534	32.9532	998
29.9716	570	31.4723	531	32.9729	1205
29.9913	543	31.4920	566	32.9927	1167
30.0111	568	31.5117	613	33.0124	1164
30.0308	596	31.5315	590	33.0322	1036
30.0506	563	31.5512	624	33.0519	895
30.0703	572	31.5710	572	33.0717	790
30.0901	592	31.5907	599	33.0914	707
30.1098	573	31.6105	677	33.1111	610
30.1295	558	31.6302	698	33.1309	569



33.1506	541	34.6513	380	36.1520	343
33.1704	470	34.6711	347	36.1717	338
33.1901	452	34.6908	395	36.1915	300
33.2099	482	34.7105	361	36.2112	304
33.2296	423	34.7303	336	36.2310	329
33.2494	425	34.7500	366	36.2507	294
33.2691	436	34.7698	352	36.2705	314
33.2889	441	34.7895	379	36.2902	300
33.3086	405	34.8093	358	36.3099	333
33.3283	422	34.8290	368	36.3297	312
33.3481	418	34.8488	376	36.3494	307
33.3678	423	34.8685	345	36.3692	314
33.3876	421	34.8883	392	36.3889	311
33.4073	449	34.9080	344	36.4087	308
33.4271	428	34.9277	355	36.4284	295
33.4468	412	34.9475	404	36.4482	329
33.4666	444	34.9672	353	36.4679	333
33.4863	432	34.9870	381	36.4877	337
33.5061	482	35.0067	380	36.5074	339
33.5258	442	35.0265	354	36.5272	315
33.5456	467	35.0462	364	36.5469	336
33.5653	475	35.0660	365	36.5666	307
33.5850	450	35.0857	351	36.5864	322
33.6048	442	35.1055	350	36.6061	328
33.6245	424	35.1252	382	36.6259	303
33.6443	445	35.1450	345	36.6456	297
33.6640	449	35.1647	346	36.6654	299
33.6838	445	35.1844	351	36.6851	292
33.7035	415	35.2042	341	36.7049	289
33.7233	428	35.2239	360	36.7246	297
33.7430	432	35.2437	339	36.7444	307
33.7628	394	35.2634	328	36.7641	314
33.7825	386	35.2832	342	36.7838	308
33.8022	406	35.3029	334	36.8036	294
33.8220	413	35.3227	334	36.8233	308
33.8417	441	35.3424	364	36.8431	303
33.8615	423	35.3622	364	36.8628	302
33.8812	401	35.3819	371	36.8826	290
33.9010	399	35.4016	367	36.9023	294
33.9207	415	35.4214	378	36.9221	275
33.9405	411	35.4411	358	36.9418	313
33.9602	419	35.4609	361	36.9616	330
33.9800	409	35.4806	351	36.9813	295
33.9997	453	35.5004	391	37.0010	271
34.0194	442	35.5201	396	37.0208	313
34.0392	466	35.5399	404	37.0405	286
34.0589	483	35.5596	434	37.0603	281
34.0787	542	35.5794	376	37.0800	328
34.0984	596	35.5991	336	37.0998	274
34.1182	637	35.6188	389	37.1195	308
34.1379	674	35.6386	378	37.1393	267
34.1577	637	35.6583	365	37.1590	291
34.1774	646	35.6781	351	37.1788	325
34.1972	556	35.6978	350	37.1985	301
34.2169	525	35.7176	366	37.2183	322
34.2366	494	35.7373	333	37.2380	291
34.2564	474	35.7571	329	37.2577	276
34.2761	459	35.7768	318	37.2775	277
34.2959	430	35.7966	356	37.2972	306
34.3156	398	35.8163	323	37.3170	315
34.3354	390	35.8361	330	37.3367	283
34.3551	413	35.8558	333	37.3565	315
34.3749	427	35.8755	316	37.3762	247
34.3946	404	35.8953	344	37.3960	289
34.4144	367	35.9150	306	37.4157	295
34.4341	368	35.9348	334	37.4355	280
34.4539	339	35.9545	338	37.4552	299
34.4736	375	35.9743	336	37.4749	286
34.4933	397	35.9940	346	37.4947	287
34.5131	352	36.0138	339	37.5144	302
34.5328	385	36.0335	296	37.5342	280
34.5526	344	36.0533	328	37.5539	294
34.5723	382	36.0730	311	37.5737	284
34.5921	391	36.0927	327	37.5934	278
34.6118	400	36.1125	296	37.6132	289
34.6316	379	36.1322	341	37.6329	270

37.6527	283	39.1533	265	40.6540	272
37.6724	278	39.1731	314	40.6737	265
37.6921	271	39.1928	326	40.6935	248
37.7119	285	39.2126	353	40.7132	227
37.7316	289	39.2323	383	40.7330	243
37.7514	303	39.2521	391	40.7527	256
37.7711	294	39.2718	379	40.7725	235
37.7909	283	39.2915	401	40.7922	256
37.8106	301	39.3113	388	40.8120	250
37.8304	297	39.3310	368	40.8317	270
37.8501	295	39.3508	358	40.8515	271
37.8699	267	39.3705	320	40.8712	256
37.8896	311	39.3903	300	40.8910	239
37.9093	289	39.4100	328	40.9107	270
37.9291	273	39.4298	304	40.9304	270
37.9488	288	39.4495	271	40.9502	285
37.9686	301	39.4693	290	40.9699	273
37.9883	283	39.4890	269	40.9897	246
38.0081	292	39.5088	287	41.0094	265
38.0278	280	39.5285	254	41.0292	276
38.0476	252	39.5482	305	41.0489	238
38.0673	271	39.5680	292	41.0687	239
38.0871	301	39.5877	286	41.0884	269
38.1068	264	39.6075	303	41.1082	256
38.1266	304	39.6272	294	41.1279	269
38.1463	272	39.6470	291	41.1476	240
38.1660	284	39.6667	325	41.1674	233
38.1858	266	39.6865	294	41.1871	230
38.2055	251	39.7062	326	41.2069	241
38.2253	278	39.7260	332	41.2266	247
38.2450	267	39.7457	358	41.2464	249
38.2648	274	39.7654	374	41.2661	246
38.2845	292	39.7852	382	41.2859	263
38.3043	261	39.8049	477	41.3056	241
38.3240	292	39.8247	530	41.3254	235
38.3438	266	39.8444	553	41.3451	263
38.3635	294	39.8642	551	41.3648	249
38.3832	243	39.8839	595	41.3846	257
38.4030	271	39.9037	573	41.4043	276
38.4227	292	39.9234	533	41.4241	263
38.4425	310	39.9432	496	41.4438	246
38.4622	298	39.9629	409	41.4636	264
38.4820	304	39.9826	382	41.4833	242
38.5017	263	40.0024	340	41.5031	277
38.5215	266	40.0221	302	41.5228	285
38.5412	292	40.0419	303	41.5426	265
38.5610	255	40.0616	314	41.5623	220
38.5807	287	40.0814	293	41.5821	231
38.6004	281	40.1011	281	41.6018	239
38.6202	231	40.1209	278	41.6215	256
38.6399	292	40.1406	267	41.6413	255
38.6597	274	40.1604	266	41.6610	236
38.6794	289	40.1801	245	41.6808	255
38.6992	256	40.1999	230	41.7005	289
38.7189	283	40.2196	265	41.7203	227
38.7387	283	40.2393	243	41.7400	267
38.7584	281	40.2591	260	41.7598	270
38.7782	269	40.2788	291	41.7795	278
38.7979	271	40.2986	261	41.7993	264
38.8177	282	40.3183	255	41.8190	275
38.8374	271	40.3381	263	41.8387	257
38.8571	236	40.3578	301	41.8585	265
38.8769	288	40.3776	248	41.8782	270
38.8966	273	40.3973	284	41.8980	268
38.9164	289	40.4171	299	41.9177	267
38.9361	297	40.4368	258	41.9375	248
38.9559	248	40.4565	285	41.9572	279
38.9756	293	40.4763	276	41.9770	317
38.9954	255	40.4960	262	41.9967	312
39.0151	295	40.5158	268	42.0165	334
39.0349	267	40.5355	283	42.0362	318
39.0546	256	40.5553	291	42.0559	330
39.0743	275	40.5750	293	42.0757	359
39.0941	293	40.5948	272	42.0954	331
39.1138	296	40.6145	270	42.1152	308
39.1336	307	40.6343	241	42.1349	296

42.1547	272	43.6553	247	45.1560	240
42.1744	292	43.6751	255	45.1758	225
42.1942	288	43.6948	239	45.1955	254
42.2139	240	43.7146	244	45.2153	235
42.2337	278	43.7343	242	45.2350	219
42.2534	238	43.7541	252	45.2548	229
42.2731	241	43.7738	235	45.2745	224
42.2929	248	43.7936	252	45.2942	227
42.3126	240	43.8133	290	45.3140	222
42.3324	265	43.8331	244	45.3337	264
42.3521	260	43.8528	265	45.3535	276
42.3719	265	43.8726	258	45.3732	269
42.3916	261	43.8923	287	45.3930	283
42.4114	268	43.9120	313	45.4127	276
42.4311	250	43.9318	344	45.4325	304
42.4509	260	43.9515	306	45.4522	278
42.4706	229	43.9713	305	45.4720	272
42.4904	254	43.9910	264	45.4917	234
42.5101	273	44.0108	273	45.5114	242
42.5298	217	44.0305	260	45.5312	233
42.5496	261	44.0503	256	45.5509	232
42.5693	265	44.0700	268	45.5707	238
42.5891	213	44.0898	242	45.5904	225
42.6088	261	44.1095	259	45.6102	242
42.6286	241	44.1292	231	45.6299	232
42.6483	215	44.1490	242	45.6497	206
42.6681	243	44.1687	247	45.6694	230
42.6878	261	44.1885	224	45.6892	212
42.7076	210	44.2082	209	45.7089	212
42.7273	230	44.2280	222	45.7286	206
42.7470	241	44.2477	251	45.7484	213
42.7668	246	44.2675	257	45.7681	249
42.7865	228	44.2872	207	45.7879	208
42.8063	226	44.3070	222	45.8076	215
42.8260	240	44.3267	211	45.8274	191
42.8458	218	44.3464	234	45.8471	232
42.8655	239	44.3662	229	45.8669	211
42.8853	247	44.3859	226	45.8866	229
42.9050	236	44.4057	226	45.9064	224
42.9248	235	44.4254	241	45.9261	221
42.9445	220	44.4452	234	45.9458	225
42.9642	237	44.4649	264	45.9656	229
42.9840	237	44.4847	217	45.9853	240
43.0037	238	44.5044	234	46.0051	205
43.0235	207	44.5242	253	46.0248	232
43.0432	219	44.5439	245	46.0446	210
43.0630	234	44.5637	235	46.0643	230
43.0827	215	44.5834	240	46.0841	223
43.1025	229	44.6031	241	46.1038	259
43.1222	214	44.6229	232	46.1236	243
43.1420	237	44.6426	217	46.1433	240
43.1617	249	44.6624	221	46.1631	258
43.1815	219	44.6821	228	46.1828	292
43.2012	244	44.7019	233	46.2025	260
43.2209	229	44.7216	221	46.2223	282
43.2407	236	44.7414	200	46.2420	283
43.2604	229	44.7611	231	46.2618	263
43.2802	217	44.7809	247	46.2815	255
43.2999	212	44.8006	237	46.3013	242
43.3197	212	44.8203	210	46.3210	246
43.3394	236	44.8401	257	46.3408	258
43.3592	238	44.8598	196	46.3605	237
43.3789	244	44.8796	215	46.3803	228
43.3987	244	44.8993	234	46.4000	242
43.4184	248	44.9191	242	46.4197	276
43.4381	259	44.9388	217	46.4395	279
43.4579	247	44.9586	214	46.4592	221
43.4776	235	44.9783	236	46.4790	258
43.4974	229	44.9981	238	46.4987	262
43.5171	225	45.0178	234	46.5185	283
43.5369	245	45.0375	255	46.5382	281
43.5566	238	45.0573	230	46.5580	303
43.5764	231	45.0770	234	46.5777	299
43.5961	240	45.0968	231	46.5975	330
43.6159	229	45.1165	227	46.6172	325
43.6356	232	45.1363	230	46.6369	347

46.6567	372	48.1574	472	49.6580	429
46.6764	434	48.1771	468	49.6778	419
46.6962	476	48.1969	396	49.6975	311
46.7159	603	48.2166	373	49.7173	269
46.7357	616	48.2364	330	49.7370	302
46.7554	733	48.2561	290	49.7568	244
46.7752	792	48.2758	275	49.7765	232
46.7949	724	48.2956	239	49.7963	226
46.8147	632	48.3153	245	49.8160	197
46.8344	595	48.3351	247	49.8358	219
46.8542	495	48.3548	236	49.8555	212
46.8739	421	48.3746	224	49.8752	209
46.8936	380	48.3943	214	49.8950	233
46.9134	298	48.4141	230	49.9147	214
46.9331	301	48.4338	218	49.9345	241
46.9529	272	48.4536	228	49.9542	219
46.9726	266	48.4733	218	49.9740	224
46.9924	224	48.4930	215	49.9937	268
47.0121	214	48.5128	213	50.0135	257
47.0319	225	48.5325	259	50.0332	265
47.0516	224	48.5523	211	50.0530	205
47.0714	207	48.5720	238	50.0727	216
47.0911	205	48.5918	228	50.0924	205
47.1108	206	48.6115	258	50.1122	210
47.1306	193	48.6313	265	50.1319	230
47.1503	222	48.6510	261	50.1517	234
47.1701	245	48.6708	271	50.1714	227
47.1898	209	48.6905	267	50.1912	209
47.2096	169	48.7102	290	50.2109	227
47.2293	181	48.7300	261	50.2307	234
47.2491	227	48.7497	253	50.2504	227
47.2688	194	48.7695	252	50.2702	238
47.2886	186	48.7892	219	50.2899	224
47.3083	189	48.8090	248	50.3096	253
47.3280	205	48.8287	231	50.3294	249
47.3478	199	48.8485	220	50.3491	249
47.3675	210	48.8682	238	50.3689	268
47.3873	204	48.8880	230	50.3886	283
47.4070	247	48.9077	205	50.4084	280
47.4268	221	48.9275	237	50.4281	320
47.4465	227	48.9472	250	50.4479	315
47.4663	187	48.9669	266	50.4676	371
47.4860	207	48.9867	266	50.4874	390
47.5058	207	49.0064	281	50.5071	436
47.5255	244	49.0262	275	50.5269	496
47.5453	243	49.0459	283	50.5466	531
47.5650	209	49.0657	228	50.5663	520
47.5847	248	49.0854	270	50.5861	494
47.6045	212	49.1052	233	50.6058	496
47.6242	245	49.1249	209	50.6256	391
47.6440	248	49.1447	222	50.6453	382
47.6637	254	49.1644	257	50.6651	321
47.6835	244	49.1841	224	50.6848	304
47.7032	218	49.2039	232	50.7046	301
47.7230	228	49.2236	258	50.7243	266
47.7427	219	49.2434	282	50.7441	223
47.7625	208	49.2631	258	50.7638	216
47.7822	203	49.2829	298	50.7835	216
47.8019	223	49.3026	299	50.8033	222
47.8217	209	49.3224	302	50.8230	227
47.8414	263	49.3421	286	50.8428	238
47.8612	225	49.3619	309	50.8625	242
47.8809	219	49.3816	333	50.8823	216
47.9007	243	49.4013	378	50.9020	199
47.9204	211	49.4211	415	50.9218	232
47.9402	256	49.4408	425	50.9415	229
47.9599	284	49.4606	461	50.9613	178
47.9797	268	49.4803	529	50.9810	221
47.9994	259	49.5001	657	51.0007	217
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48.0389	310	49.5396	854	51.0402	230
48.0586	311	49.5593	893	51.0600	225
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48.0981	354	49.5988	768	51.0995	254
48.1179	433	49.6185	629	51.1192	219
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51.1587	235	52.6594	196	54.1601	191
51.1785	282	52.6791	232	54.1798	228
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51.2377	318	52.7384	252	54.2390	225
51.2574	302	52.7581	238	54.2588	192
51.2772	414	52.7779	223	54.2785	209
51.2969	403	52.7976	234	54.2983	216
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51.3364	446	52.8371	200	54.3378	185
51.3562	413	52.8568	191	54.3575	227
51.3759	451	52.8766	205	54.3773	186
51.3957	388	52.8963	216	54.3970	236
51.4154	308	52.9161	229	54.4168	197
51.4352	338	52.9358	224	54.4365	191
51.4549	277	52.9556	231	54.4562	202
51.4746	273	52.9753	222	54.4760	215
51.4944	229	52.9951	219	54.4957	215
51.5141	251	53.0148	224	54.5155	216
51.5339	224	53.0346	223	54.5352	207
51.5536	227	53.0543	257	54.5550	227
51.5734	247	53.0740	267	54.5747	211
51.5931	215	53.0938	262	54.5945	210
51.6129	228	53.1135	275	54.6142	208
51.6326	237	53.1333	273	54.6340	223
51.6524	231	53.1530	331	54.6537	191
51.6721	210	53.1728	346	54.6734	191
51.6918	225	53.1925	346	54.6932	195
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51.7313	205	53.2320	444	54.7327	188
51.7511	187	53.2518	497	54.7524	173
51.7708	205	53.2715	526	54.7722	200
51.7906	206	53.2913	466	54.7919	223
51.8103	215	53.3110	470	54.8117	220
51.8301	201	53.3307	388	54.8314	216
51.8498	204	53.3505	366	54.8512	218
51.8696	251	53.3702	308	54.8709	216
51.8893	211	53.3900	314	54.8907	217
51.9091	210	53.4097	272	54.9104	178
51.9288	259	53.4295	254	54.9301	195
51.9485	238	53.4492	237	54.9499	186
51.9683	234	53.4690	211	54.9696	188
51.9880	242	53.4887	218	54.9894	192
52.0078	288	53.5085	187	55.0091	206
52.0275	276	53.5282	218	55.0289	201
52.0473	315	53.5479	199	55.0486	185
52.0670	316	53.5677	201	55.0684	207
52.0868	335	53.5874	199	55.0881	219
52.1065	403	53.6072	175	55.1079	199
52.1263	429	53.6269	194	55.1276	207
52.1460	491	53.6467	190	55.1473	197
52.1657	476	53.6664	230	55.1671	196
52.1855	434	53.6862	196	55.1868	191
52.2052	449	53.7059	218	55.2066	221
52.2250	344	53.7257	182	55.2263	202
52.2447	316	53.7454	223	55.2461	218
52.2645	281	53.7651	181	55.2658	201
52.2842	279	53.7849	183	55.2856	210
52.3040	245	53.8046	193	55.3053	183
52.3237	241	53.8244	180	55.3251	204
52.3435	207	53.8441	199	55.3448	209
52.3632	179	53.8639	192	55.3645	203
52.3829	224	53.8836	210	55.3843	216
52.4027	201	53.9034	204	55.4040	199
52.4224	226	53.9231	181	55.4238	228
52.4422	200	53.9429	220	55.4435	237
52.4619	202	53.9626	206	55.4633	220
52.4817	201	53.9823	207	55.4830	200
52.5014	181	54.0021	220	55.5028	179
52.5212	210	54.0218	209	55.5225	204
52.5409	201	54.0416	189	55.5423	216
52.5607	205	54.0613	200	55.5620	214
52.5804	211	54.0811	197	55.5818	212
52.6002	175	54.1008	175	55.6015	208
52.6199	266	54.1206	202	55.6212	219
52.6396	215	54.1403	223	55.6410	217

55.6607	212	57.1614	300	58.6621	221
55.6805	219	57.1812	305	58.6818	257
55.7002	221	57.2009	279	58.7016	226
55.7200	220	57.2206	301	58.7213	231
55.7397	232	57.2404	282	58.7411	243
55.7595	261	57.2601	256	58.7608	246
55.7792	252	57.2799	284	58.7806	242
55.7990	260	57.2996	243	58.8003	250
55.8187	262	57.3194	254	58.8200	249
55.8384	241	57.3391	252	58.8398	238
55.8582	278	57.3589	214	58.8595	229
55.8779	249	57.3786	222	58.8793	216
55.8977	320	57.3984	264	58.8990	238
55.9174	316	57.4181	268	58.9188	224
55.9372	364	57.4378	211	58.9385	234
55.9569	342	57.4576	195	58.9583	225
55.9767	351	57.4773	217	58.9780	227
55.9964	314	57.4971	241	58.9978	235
56.0162	312	57.5168	220	59.0175	231
56.0359	244	57.5366	228	59.0372	211
56.0556	249	57.5563	225	59.0570	197
56.0754	232	57.5761	191	59.0767	237
56.0951	211	57.5958	216	59.0965	217
56.1149	248	57.6156	209	59.1162	211
56.1346	214	57.6353	206	59.1360	225
56.1544	229	57.6550	215	59.1557	211
56.1741	216	57.6748	185	59.1755	200
56.1939	183	57.6945	209	59.1952	203
56.2136	207	57.7143	227	59.2150	232
56.2334	210	57.7340	199	59.2347	217
56.2531	220	57.7538	198	59.2545	198
56.2729	210	57.7735	205	59.2742	217
56.2926	223	57.7933	215	59.2939	207
56.3123	242	57.8130	206	59.3137	212
56.3321	210	57.8328	203	59.3334	204
56.3518	198	57.8525	223	59.3532	226
56.3716	210	57.8723	220	59.3729	223
56.3913	195	57.8920	197	59.3927	210
56.4111	210	57.9117	223	59.4124	240
56.4308	214	57.9315	195	59.4322	248
56.4506	206	57.9512	207	59.4519	261
56.4703	212	57.9710	263	59.4717	236
56.4901	190	57.9907	220	59.4914	248
56.5098	219	58.0105	242	59.5111	250
56.5295	211	58.0302	249	59.5309	243
56.5493	190	58.0500	225	59.5506	223
56.5690	207	58.0697	286	59.5704	256
56.5888	224	58.0895	251	59.5901	251
56.6085	226	58.1092	260	59.6099	227
56.6283	224	58.1289	253	59.6296	246
56.6480	198	58.1487	263	59.6494	211
56.6678	208	58.1684	252	59.6691	187
56.6875	219	58.1882	240	59.6889	249
56.7073	250	58.2079	266	59.7086	236
56.7270	219	58.2277	209	59.7283	248
56.7467	201	58.2474	237	59.7481	244
56.7665	201	58.2672	251	59.7678	251
56.7862	206	58.2869	237	59.7876	256
56.8060	220	58.3067	208	59.8073	269
56.8257	213	58.3264	227	59.8271	237
56.8455	210	58.3461	241	59.8468	264
56.8652	252	58.3659	238	59.8666	277
56.8850	212	58.3856	276	59.8863	274
56.9047	217	58.4054	222	59.9061	282
56.9245	234	58.4251	236	59.9258	337
56.9442	242	58.4449	218	59.9456	302
56.9640	239	58.4646	230	59.9653	326
56.9837	237	58.4844	211	59.9850	357
57.0034	228	58.5041	197	60.0048	365
57.0232	205	58.5239	223	60.0245	349
57.0429	262	58.5436	236	60.0443	334
57.0627	235	58.5634	236	60.0640	328
57.0824	244	58.5831	206	60.0838	311
57.1022	239	58.6028	227	60.1035	297
57.1219	260	58.6226	211	60.1233	285
57.1417	269	58.6423	240	60.1430	255

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60.1825	241	61.6832	381	63.1838	309
60.2022	234	61.7029	376	63.2036	267
60.2220	262	61.7227	351	63.2233	305
60.2417	261	61.7424	350	63.2431	257
60.2615	267	61.7622	397	63.2628	245
60.2812	243	61.7819	369	63.2826	239
60.3010	244	61.8016	374	63.3023	275
60.3207	275	61.8214	310	63.3221	264
60.3405	284	61.8411	289	63.3418	267
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60.3800	246	61.8806	273	63.3813	274
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60.4392	297	61.9399	235	63.4405	300
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60.4787	333	61.9794	265	63.4800	305
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60.5182	311	62.0188	256	63.5195	298
60.5379	273	62.0386	241	63.5393	299
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60.7354	198	62.2361	232	63.7367	310
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60.8736	230	62.3743	239	63.8749	328
60.8933	253	62.3940	275	63.8947	327
60.9131	238	62.4138	266	63.9144	351
60.9328	230	62.4335	252	63.9342	332
60.9526	243	62.4533	281	63.9539	372
60.9723	255	62.4730	234	63.9737	398
60.9921	236	62.4927	264	63.9934	402
61.0118	232	62.5125	260	64.0132	438
61.0316	247	62.5322	260	64.0329	498
61.0513	252	62.5520	274	64.0527	497
61.0711	253	62.5717	272	64.0724	515
61.0908	249	62.5915	242	64.0921	431
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61.1303	256	62.6310	265	64.1316	459
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61.1895	279	62.6902	281	64.1909	426
61.2093	266	62.7099	275	64.2106	461
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61.3870	232	62.8877	282	64.3883	330
61.4067	260	62.9074	317	64.4081	282
61.4265	262	62.9272	324	64.4278	267
61.4462	258	62.9469	314	64.4476	263
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## Representative <sup>1</sup>H-NMR Spectrum under Continuous reaction conditions

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8.205472			8.199591			8.193710		
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8.205317			8.199437			8.193556		
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8.205163			8.199282			8.193401		
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8.204698			8.198817			8.192937		
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8.204544			8.198663			8.192782		
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8.204389			8.198508			8.192627		
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8.204234			8.198353			8.192472		
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8.204079			8.198198			8.192318		
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8.203924			8.198044			8.192163		
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8.203770			8.197889			8.192008		
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8.203615			8.197734			8.191853		
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8.203151			8.197270			8.191389		
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8.202996			8.197115			8.191234		
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8.190615			8.184735			8.178854		
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8.190461			8.184580			8.178699		
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10481,	161502,	3262.0258,	10519,	161944,	3259.6725,	10557,	163458,	3257.3193,
8.151926			8.146045			8.140164		
10482,	162286,	3261.9638,	10520,	163178,	3259.6106,	10558,	164326,	3257.2574,
8.151771			8.145890			8.140010		
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8.151616			8.145736			8.139855		
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8.151462			8.145581			8.139700		
10485,	165020,	3261.7781,	10523,	165444,	3259.4248,	10561,	166764,	3257.0716,
8.151307			8.145426			8.139545		
10486,	165328,	3261.7161,	10524,	164928,	3259.3629,	10562,	166624,	3257.0097,
8.151152			8.145271			8.139391		
10487,	165142,	3261.6542,	10525,	164368,	3259.3010,	10563,	166056,	3256.9478,
8.150997			8.145117			8.139236		
10488,	164530,	3261.5923,	10526,	164130,	3259.2391,	10564,	165180,	3256.8858,
8.150843			8.144962			8.139081		
10489,	163726,	3261.5303,	10527,	164200,	3259.1771,	10565,	164166,	3256.8239,
8.150688			8.144807			8.138926		
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8.150533			8.144652			8.138772		
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8.150378			8.144498			8.138617		
10492,	163656,	3261.3446,	10530,	164082,	3258.9913,	10568,	162660,	3256.6381,
8.150224			8.144343			8.138462		
10493,	164514,	3261.2826,	10531,	163698,	3258.9294,	10569,	162742,	3256.5762,
8.150069			8.144188			8.138307		
10494,	165166,	3261.2207,	10532,	163272,	3258.8675,	10570,	162660,	3256.5143,
8.149914			8.144033			8.138152		
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8.149759			8.143879			8.137998		
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8.149605			8.143724			8.137843		



10573,	161530,	3256.3285,	10611,	164604,	3253.9753,	10649,	166586,	3251.6220,
8.137688			8.131807			8.125927		
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8.137533			8.131653			8.125772		
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8.137379			8.131498			8.125617		
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8.137224			8.131343			8.125462		
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8.137069			8.131188			8.125308		
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8.136914			8.131034			8.125153		
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8.136760			8.130879			8.124998		
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8.136605			8.130724			8.124843		
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8.136450			8.130569			8.124689		
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8.136141			8.130260			8.124379		
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8.135831			8.129950			8.124070		
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8.135676			8.129796			8.123915		
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8.135522			8.129641			8.123760		
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8.135212			8.129331			8.123451		
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8.135057			8.129177			8.123296		
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8.134903			8.129022			8.123141		
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8.134748			8.128867			8.122986		
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8.134438			8.128558			8.122677		
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8.134284			8.128403			8.122522		
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8.133974			8.128093			8.122212		
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8.133819			8.127938			8.122058		
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8.133665			8.127784			8.121903		
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8.132891			8.127010			8.121129		
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8.119117			8.113236			8.107356		
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10826,	164750,	3240.6610,	10864,	167120,	3238.3078,	10902,	164714,	3235.9545,
8.098535			8.092654			8.086773		
10827,	164700,	3240.5991,	10865,	167428,	3238.2458,	10903,	165060,	3235.8926,
8.098380			8.092499			8.086618		
10828,	164492,	3240.5371,	10866,	167302,	3238.1839,	10904,	165916,	3235.8307,
8.098225			8.092344			8.086463		
10829,	164242,	3240.4752,	10867,	166738,	3238.1220,	10905,	166804,	3235.7688,
8.098070			8.092189			8.086309		
10830,	163928,	3240.4133,	10868,	165952,	3238.0601,	10906,	167204,	3235.7068,
8.097915			8.092035			8.086154		
10831,	163510,	3240.3513,	10869,	165266,	3237.9981,	10907,	167032,	3235.6449,
8.097761			8.091880			8.085999		
10832,	163030,	3240.2894,	10870,	164910,	3237.9362,	10908,	166634,	3235.5830,
8.097606			8.091725			8.085844		
10833,	162612,	3240.2275,	10871,	164890,	3237.8743,	10909,	166344,	3235.5210,
8.097451			8.091570			8.085690		
10834,	162342,	3240.1656,	10872,	165046,	3237.8123,	10910,	166162,	3235.4591,
8.097296			8.091416			8.085535		
10835,	162234,	3240.1036,	10873,	165234,	3237.7504,	10911,	165848,	3235.3972,
8.097142			8.091261			8.085380		
10836,	162264,	3240.0417,	10874,	165486,	3237.6885,	10912,	165342,	3235.3353,
8.096987			8.091106			8.085225		
10837,	162440,	3239.9798,	10875,	165900,	3237.6266,	10913,	164874,	3235.2733,
8.096832			8.090951			8.085071		
10838,	162738,	3239.9179,	10876,	166440,	3237.5646,	10914,	164722,	3235.2114,
8.096677			8.090797			8.084916		

10915,	164842,	3235.1495,	10953,	167270,	3232.7963,	10991,	169472,	3230.4430,
8.084761			8.078880			8.072999		
10916,	164902,	3235.0876,	10954,	166914,	3232.7343,	10992,	169964,	3230.3811,
8.084606			8.078726			8.072845		
10917,	164700,	3235.0256,	10955,	166202,	3232.6724,	10993,	170078,	3230.3192,
8.084452			8.078571			8.072690		
10918,	164440,	3234.9637,	10956,	165344,	3232.6105,	10994,	169832,	3230.2573,
8.084297			8.078416			8.072535		
10919,	164570,	3234.9018,	10957,	164742,	3232.5486,	10995,	169420,	3230.1953,
8.084142			8.078261			8.072380		
10920,	165250,	3234.8399,	10958,	164656,	3232.4866,	10996,	168998,	3230.1334,
8.083987			8.078107			8.072226		
10921,	166098,	3234.7779,	10959,	164968,	3232.4247,	10997,	168546,	3230.0715,
8.083833			8.077952			8.072071		
10922,	166536,	3234.7160,	10960,	165284,	3232.3628,	10998,	168000,	3230.0096,
8.083678			8.077797			8.071916		
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8.083523			8.077642			8.071761		
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8.083368			8.077487			8.071607		
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8.083214			8.077333			8.071452		
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8.083059			8.077178			8.071297		
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8.082904			8.077023			8.071142		
10928,	166026,	3234.3444,	10966,	164842,	3231.9912,	11004,	165202,	3229.6380,
8.082749			8.076868			8.070988		
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8.082594			8.076714			8.070833		
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8.082440			8.076559			8.070678		
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8.082130			8.076249			8.070369		
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8.081975			8.076095			8.070214		
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8.081511			8.075630			8.069750		
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8.081356			8.075476			8.069595		
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8.081202			8.075321			8.069440		
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8.081047			8.075166			8.069285		
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8.080892			8.075011			8.069131		
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10943,	167116,	3233.4155,	10981,	167892,	3231.0623,	11019,	166754,	3228.7091,
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8.080273			8.074392			8.068512		
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8.080118			8.074238			8.068357		
10946,	165120,	3233.2298,	10984,	167496,	3230.8765,	11022,	165108,	3228.5233,
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8.079035			8.073154			8.067273		

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8.067119			8.061238			8.055357		
11030,	168210,	3228.0279,	11068,	166292,	3225.6747,	11106,	164942,	3223.3214,
8.066964			8.061083			8.055202		
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8.066809			8.060928			8.055048		
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8.066654			8.060774			8.054893		
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8.066500			8.060619			8.054738		
11034,	165594,	3227.7802,	11072,	166450,	3225.4270,	11110,	166336,	3223.0737,
8.066345			8.060464			8.054583		
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8.066190			8.060309			8.054429		
11036,	164884,	3227.6563,	11074,	166892,	3225.3031,	11112,	166002,	3222.9499,
8.066035			8.060155			8.054274		
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8.065881			8.060000			8.054119		
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8.065726			8.059845			8.053964		
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8.065416			8.059536			8.053655		
11041,	166020,	3227.3467,	11079,	166854,	3224.9935,	11117,	163518,	3222.6403,
8.065262			8.059381			8.053500		
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8.065107			8.059226			8.053345		
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8.044834			8.038953			8.033072		
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8.044679			8.038798			8.032917		
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8.044524			8.038643			8.032763		
11176,	166880,	3218.9866,	11214,	164038,	3216.6333,	11252,	167222,	3214.2801,
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8.044215			8.038334			8.032453		
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8.044060			8.038179			8.032298		
11179,	167122,	3218.8008,	11217,	165178,	3216.4476,	11255,	165324,	3214.0943,
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8.031834			8.025953			8.020072		
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8.031524			8.025644			8.019763		
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8.031370			8.025489			8.019608		
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8.031215			8.025334			8.019453		
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8.031060			8.025179			8.019299		
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8.029977			8.024096			8.018215		
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11941,	172538,	3171.6125,	11979,	172102,	3169.2593,	12017,	173152,	3166.9060,
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7.925825			7.919944			7.914063		
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7.925670			7.919789			7.913909		
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7.925515			7.919635			7.913754		
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7.925206			7.919325			7.913444		
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12286,	176934,	3150.2477,	12324,	171626,	3147.8945,	12362,	174900,	3145.5413,
7.872588			7.866708			7.860827		
12287,	176030,	3150.1858,	12325,	171748,	3147.8326,	12363,	175298,	3145.4793,
7.872434			7.866553			7.860672		
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7.872124			7.866243			7.860362		
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7.871969			7.866088			7.860208		
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7.871815			7.865934			7.860053		
12292,	172876,	3149.8761,	12330,	170236,	3147.5229,	12368,	174592,	3145.1697,
7.871660			7.865779			7.859898		
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7.871505			7.865624			7.859743		
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12295,	173354,	3149.6904,	12333,	169166,	3147.3371,	12371,	174670,	3144.9839,
7.871195			7.865315			7.859434		
12296,	173580,	3149.6284,	12334,	169874,	3147.2752,	12372,	175304,	3144.9220,
7.871041			7.865160			7.859279		
12297,	173384,	3149.5665,	12335,	170888,	3147.2133,	12373,	175428,	3144.8601,
7.870886			7.865005			7.859124		
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7.870731			7.864850			7.858970		
12299,	172372,	3149.4427,	12337,	172968,	3147.0894,	12375,	174566,	3144.7362,
7.870576			7.864696			7.858815		
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7.870422			7.864541			7.858660		
12301,	172620,	3149.3188,	12339,	174466,	3146.9656,	12377,	174996,	3144.6124,
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12307,	173234,	3148.9472,	12345,	176238,	3146.5940,	12383,	173312,	3144.2408,
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7.869029			7.863148			7.857267		
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12397,	171784,	3143.3738,	12435,	176252,	3141.0206,	12473,	172370,	3138.6674,
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7.853398			7.847518			7.841637		
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7.852625			7.846744			7.840863		
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7.852160			7.846279			7.840399		
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12422,	177132,	3141.8256,	12460,	173838,	3139.4724,	12498,	175426,	3137.1192,
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7.851387			7.845506			7.839625		
12424,	177590,	3141.7018,	12462,	173894,	3139.3486,	12500,	175498,	3136.9953,
7.851232			7.845351			7.839470		
12425,	177806,	3141.6399,	12463,	174454,	3139.2866,	12501,	176144,	3136.9334,
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7.850613			7.844732			7.838851		
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7.836375			7.830494			7.824613		
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12631,	178076,	3128.8829,	12669,	175216,	3126.5297,	12707,	175688,	3124.1765,
7.819197			7.813316			7.807435		
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7.819042			7.813161			7.807281		
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7.818887			7.813007			7.807126		
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7.818268			7.812388			7.806507		
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7.817649			7.811769			7.805888		
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7.817340			7.811459			7.805578		
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12977,	178820,	3107.4562,	13015,	178132,	3105.1030,	13053,	177606,	3102.7498,
7.765651			7.759770			7.753889		
12978,	178672,	3107.3943,	13016,	179070,	3105.0411,	13054,	178018,	3102.6878,
7.765496			7.759615			7.753734		
12979,	178276,	3107.3324,	13017,	179826,	3104.9791,	13055,	178220,	3102.6259,
7.765341			7.759460			7.753580		
12980,	177560,	3107.2704,	13018,	180122,	3104.9172,	13056,	178078,	3102.5640,
7.765186			7.759306			7.753425		
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7.765032			7.759151			7.753270		
12982,	176068,	3107.1466,	13020,	179582,	3104.7934,	13058,	177840,	3102.4401,
7.764877			7.758996			7.753115		
12983,	175866,	3107.0846,	13021,	179064,	3104.7314,	13059,	177986,	3102.3782,
7.764722			7.758841			7.752961		
12984,	176052,	3107.0227,	13022,	178452,	3104.6695,	13060,	177986,	3102.3163,
7.764567			7.758687			7.752806		
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7.764413			7.758532			7.752651		
12986,	176874,	3106.8989,	13024,	177310,	3104.5456,	13062,	177222,	3102.1924,
7.764258			7.758377			7.752496		
12987,	177468,	3106.8369,	13025,	177176,	3104.4837,	13063,	177070,	3102.1305,
7.764103			7.758222			7.752342		
12988,	178264,	3106.7750,	13026,	177416,	3104.4218,	13064,	177352,	3102.0686,
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7.763794			7.757913			7.752032		
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7.762710			7.756830			7.750949		
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7.762401			7.756520			7.750639		
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13322,	178334,	3086.0914,	13360,	181042,	3083.7382,	13398,	178864,	3081.3850,
7.712259			7.706379			7.700498		
13323,	177930,	3086.0295,	13361,	181284,	3083.6763,	13399,	177772,	3081.3231,
7.712105			7.706224			7.700343		
13324,	177944,	3085.9676,	13362,	181790,	3083.6143,	13400,	177208,	3081.2611,
7.711950			7.706069			7.700188		
13325,	178416,	3085.9056,	13363,	182190,	3083.5524,	13401,	176996,	3081.1992,
7.711795			7.705914			7.700033		
13326,	179194,	3085.8437,	13364,	182146,	3083.4905,	13402,	176954,	3081.1373,
7.711640			7.705760			7.699879		
13327,	180066,	3085.7818,	13365,	181698,	3083.4286,	13403,	177132,	3081.0753,
7.711486			7.705605			7.699724		
13328,	180808,	3085.7199,	13366,	181152,	3083.3666,	13404,	177698,	3081.0134,
7.711331			7.705450			7.699569		
13329,	181122,	3085.6579,	13367,	180690,	3083.3047,	13405,	178594,	3080.9515,
7.711176			7.705295			7.699414		
13330,	180802,	3085.5960,	13368,	180206,	3083.2428,	13406,	179476,	3080.8896,
7.711021			7.705140			7.699260		
13331,	179964,	3085.5341,	13369,	179550,	3083.1809,	13407,	179986,	3080.8276,
7.710867			7.704986			7.699105		
13332,	179082,	3085.4722,	13370,	178894,	3083.1189,	13408,	180114,	3080.7657,
7.710712			7.704831			7.698950		
13333,	178680,	3085.4102,	13371,	178680,	3083.0570,	13409,	180120,	3080.7038,
7.710557			7.704676			7.698795		
13334,	178914,	3085.3483,	13372,	179170,	3082.9951,	13410,	180222,	3080.6419,
7.710402			7.704521			7.698641		
13335,	179472,	3085.2864,	13373,	180086,	3082.9332,	13411,	180300,	3080.5799,
7.710247			7.704367			7.698486		
13336,	179966,	3085.2244,	13374,	180822,	3082.8712,	13412,	180084,	3080.5180,
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7.709783			7.703902			7.698022		
13339,	182178,	3085.0387,	13377,	180628,	3082.6854,	13415,	178518,	3080.3322,
7.709628			7.703748			7.697867		
13340,	183352,	3084.9767,	13378,	180874,	3082.6235,	13416,	178506,	3080.2703,
7.709474			7.703593			7.697712		
13341,	183944,	3084.9148,	13379,	181216,	3082.5616,	13417,	178590,	3080.2084,
7.709319			7.703438			7.697557		
13342,	183656,	3084.8529,	13380,	181204,	3082.4997,	13418,	178586,	3080.1464,
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7.709009			7.703129			7.697248		
13344,	182492,	3084.7290,	13382,	180056,	3082.3758,	13420,	179024,	3080.0226,
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13345,	182736,	3084.6671,	13383,	179644,	3082.3139,	13421,	179802,	3079.9607,
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13346,	183236,	3084.6052,	13384,	179568,	3082.2520,	13422,	180608,	3079.8987,
7.708545			7.702664			7.696784		

13423,	181020,	3079.8368,	13461,	181550,	3077.4836,	13499,	181442,	3075.1304,
7.696629			7.690748			7.684867		
13424,	181014,	3079.7749,	13462,	181616,	3077.4217,	13500,	181316,	3075.0684,
7.696474			7.690593			7.684712		
13425,	180988,	3079.7130,	13463,	181370,	3077.3597,	13501,	180864,	3075.0065,
7.696319			7.690439			7.684558		
13426,	181270,	3079.6510,	13464,	181070,	3077.2978,	13502,	180506,	3074.9446,
7.696165			7.690284			7.684403		
13427,	181672,	3079.5891,	13465,	180914,	3077.2359,	13503,	180490,	3074.8827,
7.696010			7.690129			7.684248		
13428,	181658,	3079.5272,	13466,	180880,	3077.1740,	13504,	180780,	3074.8207,
7.695855			7.689974			7.684093		
13429,	180954,	3079.4652,	13467,	180864,	3077.1120,	13505,	181214,	3074.7588,
7.695700			7.689819			7.683939		
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7.695546			7.689665			7.683784		
13431,	179494,	3079.3414,	13469,	181018,	3076.9882,	13507,	182428,	3074.6349,
7.695391			7.689510			7.683629		
13432,	180002,	3079.2795,	13470,	181262,	3076.9262,	13508,	183170,	3074.5730,
7.695236			7.689355			7.683474		
13433,	181220,	3079.2175,	13471,	181382,	3076.8643,	13509,	183658,	3074.5111,
7.695081			7.689200			7.683320		
13434,	182434,	3079.1556,	13472,	181162,	3076.8024,	13510,	183578,	3074.4492,
7.694926			7.689046			7.683165		
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13436,	183482,	3079.0318,	13474,	180156,	3076.6785,	13512,	181950,	3074.3253,
7.694617			7.688736			7.682855		
13437,	183716,	3078.9698,	13475,	179998,	3076.6166,	13513,	181192,	3074.2634,
7.694462			7.688581			7.682701		
13438,	183938,	3078.9079,	13476,	180184,	3076.5547,	13514,	180872,	3074.2015,
7.694307			7.688427			7.682546		
13439,	183912,	3078.8460,	13477,	180496,	3076.4928,	13515,	180960,	3074.1395,
7.694153			7.688272			7.682391		
13440,	183438,	3078.7841,	13478,	180782,	3076.4308,	13516,	181302,	3074.0776,
7.693998			7.688117			7.682236		
13441,	182742,	3078.7221,	13479,	181122,	3076.3689,	13517,	181792,	3074.0157,
7.693843			7.687962			7.682082		
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7.693688			7.687808			7.681927		
13443,	182372,	3078.5983,	13481,	182296,	3076.2450,	13519,	182776,	3073.8918,
7.693534			7.687653			7.681772		
13444,	182704,	3078.5363,	13482,	182806,	3076.1831,	13520,	182894,	3073.8299,
7.693379			7.687498			7.681617		
13445,	182802,	3078.4744,	13483,	183000,	3076.1212,	13521,	182660,	3073.7680,
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13446,	182406,	3078.4125,	13484,	183056,	3076.0593,	13522,	182324,	3073.7060,
7.693069			7.687189			7.681308		
13447,	181682,	3078.3506,	13485,	183326,	3075.9973,	13523,	182240,	3073.6441,
7.692915			7.687034			7.681153		
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7.692760			7.686879			7.680998		
13449,	180544,	3078.2267,	13487,	184430,	3075.8735,	13525,	182832,	3073.5203,
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7.692450			7.686570			7.680689		
13451,	180174,	3078.1029,	13489,	183430,	3075.7496,	13527,	182098,	3073.3964,
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13452,	180390,	3078.0409,	13490,	182058,	3075.6877,	13528,	181044,	3073.3345,
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13454,	181946,	3077.9171,	13492,	180106,	3075.5639,	13530,	179508,	3073.2106,
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7.691522			7.685641			7.679760		
13457,	181852,	3077.7313,	13495,	179528,	3075.3781,	13533,	180558,	3073.0248,
7.691367			7.685486			7.679605		
13458,	181158,	3077.6694,	13496,	179738,	3075.3161,	13534,	181446,	3072.9629,
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7.690903			7.685022			7.679141		

13537,	182952,	3072.7771,	13575,	182528,	3070.4239,	13613,	183248,	3068.0707,
7.678986			7.673106			7.667225		
13538,	182672,	3072.7152,	13576,	182060,	3070.3620,	13614,	183798,	3068.0088,
7.678832			7.672951			7.667070		
13539,	182294,	3072.6533,	13577,	181836,	3070.3001,	13615,	184402,	3067.9468,
7.678677			7.672796			7.666915		
13540,	182018,	3072.5914,	13578,	182194,	3070.2381,	13616,	185020,	3067.8849,
7.678522			7.672641			7.666761		
13541,	181830,	3072.5294,	13579,	182928,	3070.1762,	13617,	185302,	3067.8230,
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13543,	181352,	3072.4056,	13581,	183664,	3070.0524,	13619,	183866,	3067.6991,
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13547,	181610,	3072.1579,	13585,	182054,	3069.8047,	13623,	182050,	3067.4514,
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13548,	181580,	3072.0959,	13586,	181552,	3069.7427,	13624,	182098,	3067.3895,
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13566,	181424,	3070.9813,	13604,	182378,	3068.6280,	13642,	180868,	3066.2748,
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13667,	183090,	3064.7266,	13705,	183862,	3062.3734,	13743,	182426,	3060.0202,
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13668,	183068,	3064.6647,	13706,	183588,	3062.3115,	13744,	181704,	3059.9583,
7.658713			7.652832			7.646952		
13669,	183418,	3064.6028,	13707,	183236,	3062.2496,	13745,	181430,	3059.8963,
7.658558			7.652678			7.646797		
13670,	184110,	3064.5409,	13708,	183034,	3062.1876,	13746,	181798,	3059.8344,
7.658404			7.652523			7.646642		
13671,	184732,	3064.4789,	13709,	183044,	3062.1257,	13747,	182392,	3059.7725,
7.658249			7.652368			7.646487		
13672,	184864,	3064.4170,	13710,	183138,	3062.0638,	13748,	182556,	3059.7106,
7.658094			7.652213			7.646333		
13673,	184532,	3064.3551,	13711,	183200,	3062.0019,	13749,	182066,	3059.6486,
7.657939			7.652059			7.646178		
13674,	184230,	3064.2932,	13712,	183214,	3061.9399,	13750,	181370,	3059.5867,
7.657785			7.651904			7.646023		
13675,	184390,	3064.2312,	13713,	183176,	3061.8780,	13751,	181158,	3059.5248,
7.657630			7.651749			7.645868		
13676,	184920,	3064.1693,	13714,	182984,	3061.8161,	13752,	181724,	3059.4629,
7.657475			7.651594			7.645714		
13677,	185280,	3064.1074,	13715,	182490,	3061.7542,	13753,	182754,	3059.4009,
7.657320			7.651440			7.645559		
13678,	185054,	3064.0454,	13716,	181722,	3061.6922,	13754,	183670,	3059.3390,
7.657166			7.651285			7.645404		
13679,	184372,	3063.9835,	13717,	180988,	3061.6303,	13755,	184126,	3059.2771,
7.657011			7.651130			7.645249		
13680,	183776,	3063.9216,	13718,	180660,	3061.5684,	13756,	184148,	3059.2151,
7.656856			7.650975			7.645095		
13681,	183618,	3063.8597,	13719,	180878,	3061.5064,	13757,	183924,	3059.1532,
7.656701			7.650821			7.644940		
13682,	183694,	3063.7977,	13720,	181444,	3061.4445,	13758,	183564,	3059.0913,
7.656547			7.650666			7.644785		
13683,	183484,	3063.7358,	13721,	182024,	3061.3826,	13759,	183154,	3059.0294,
7.656392			7.650511			7.644630		
13684,	182728,	3063.6739,	13722,	182396,	3061.3207,	13760,	182884,	3058.9674,
7.656237			7.650356			7.644475		
13685,	181688,	3063.6120,	13723,	182558,	3061.2587,	13761,	182992,	3058.9055,
7.656082			7.650202			7.644321		
13686,	180880,	3063.5500,	13724,	182544,	3061.1968,	13762,	183504,	3058.8436,
7.655928			7.650047			7.644166		
13687,	180564,	3063.4881,	13725,	182344,	3061.1349,	13763,	184098,	3058.7817,
7.655773			7.649892			7.644011		
13688,	180604,	3063.4262,	13726,	182032,	3061.0730,	13764,	184346,	3058.7197,
7.655618			7.649737			7.643856		

13765,	184128,	3058.6578,	13803,	180488,	3056.3046,	13841,	182650,	3053.9514,
7.643702			7.637821			7.631940		
13766,	183778,	3058.5959,	13804,	180718,	3056.2427,	13842,	182562,	3053.8894,
7.643547			7.637666			7.631785		
13767,	183714,	3058.5340,	13805,	181300,	3056.1807,	13843,	183326,	3053.8275,
7.643392			7.637511			7.631631		
13768,	183962,	3058.4720,	13806,	182098,	3056.1188,	13844,	184584,	3053.7656,
7.64237			7.637357			7.631476		
13769,	184112,	3058.4101,	13807,	182678,	3056.0569,	13845,	185642,	3053.7037,
7.643083			7.637202			7.631321		
13770,	183720,	3058.3482,	13808,	182722,	3055.9950,	13846,	186002,	3053.6417,
7.642928			7.637047			7.631166		
13771,	182804,	3058.2862,	13809,	182350,	3055.9330,	13847,	185670,	3053.5798,
7.642773			7.636892			7.631012		
13772,	181864,	3058.2243,	13810,	182022,	3055.8711,	13848,	185034,	3053.5179,
7.642618			7.636738			7.630857		
13773,	181436,	3058.1624,	13811,	182084,	3055.8092,	13849,	184440,	3053.4559,
7.642464			7.636583			7.630702		
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7.642309			7.636428			7.630547		
13775,	182152,	3058.0385,	13813,	182578,	3055.6853,	13851,	183404,	3053.3321,
7.642154			7.636273			7.630393		
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7.641999			7.636119			7.630238		
13777,	182936,	3057.9147,	13815,	181844,	3055.5615,	13853,	182432,	3053.2082,
7.641845			7.635964			7.630083		
13778,	183148,	3057.8528,	13816,	181468,	3055.4995,	13854,	182326,	3053.1463,
7.641690			7.635809			7.629928		
13779,	183274,	3057.7908,	13817,	181410,	3055.4376,	13855,	182440,	3053.0844,
7.641535			7.635654			7.629774		
13780,	183226,	3057.7289,	13818,	181536,	3055.3757,	13856,	182518,	3053.0225,
7.641380			7.635500			7.629619		
13781,	182978,	3057.6670,	13819,	181606,	3055.3138,	13857,	182406,	3052.9605,
7.641226			7.635345			7.629464		
13782,	182728,	3057.6050,	13820,	181600,	3055.2518,	13858,	182192,	3052.8986,
7.641071			7.635190			7.629309		
13783,	182720,	3057.5431,	13821,	181694,	3055.1899,	13859,	182056,	3052.8367,
7.640916			7.635035			7.629154		
13784,	182948,	3057.4812,	13822,	182014,	3055.1280,	13860,	182006,	3052.7748,
7.640761			7.634881			7.629000		
13785,	183084,	3057.4193,	13823,	182414,	3055.0660,	13861,	181864,	3052.7128,
7.640607			7.634726			7.628845		
13786,	182810,	3057.3573,	13824,	182588,	3055.0041,	13862,	181522,	3052.6509,
7.640452			7.634571			7.628690		
13787,	182178,	3057.2954,	13825,	182374,	3054.9422,	13863,	181136,	3052.5890,
7.640297			7.634416			7.628535		
13788,	181630,	3057.2335,	13826,	181920,	3054.8803,	13864,	181052,	3052.5270,
7.640142			7.634261			7.628381		
13789,	181560,	3057.1716,	13827,	181536,	3054.8183,	13865,	181422,	3052.4651,
7.639988			7.634107			7.628226		
13790,	181908,	3057.1096,	13828,	181390,	3054.7564,	13866,	182024,	3052.4032,
7.639833			7.633952			7.628071		
13791,	182242,	3057.0477,	13829,	181444,	3054.6945,	13867,	182464,	3052.3413,
7.639678			7.633797			7.627916		
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7.639523			7.633642			7.627762		
13793,	181748,	3056.9239,	13831,	181794,	3054.5706,	13869,	182634,	3052.2174,
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7.639214			7.633333			7.627452		
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7.638904			7.633023			7.627143		
13797,	180954,	3056.6761,	13835,	184162,	3054.3229,	13873,	185356,	3051.9697,
7.638749			7.632869			7.626988		
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7.638595			7.632714			7.626833		
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7.638440			7.632559			7.626678		
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7.638285			7.632404			7.626524		
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7.638130			7.632250			7.626369		
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7.637976			7.632095			7.626214		

13879,	183874,	3051.5981,	13917,	185696,	3049.2449,	13955,	185060,	3046.8917,
7.626059			7.620179			7.614298		
13880,	184194,	3051.5362,	13918,	185682,	3049.1830,	13956,	184424,	3046.8298,
7.625905			7.620024			7.614143		
13881,	184758,	3051.4743,	13919,	185542,	3049.1211,	13957,	184240,	3046.7678,
7.625750			7.619869			7.613988		
13882,	185454,	3051.4124,	13920,	185244,	3049.0591,	13958,	184486,	3046.7059,
7.625595			7.619714			7.613833		
13883,	186138,	3051.3504,	13921,	184648,	3048.9972,	13959,	184772,	3046.6440,
7.625440			7.619559			7.613679		
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7.625286			7.619405			7.613524		
13885,	187314,	3051.2266,	13923,	182958,	3048.8734,	13961,	184646,	3046.5201,
7.625131			7.619250			7.613369		
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7.624976			7.619095			7.613214		
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7.624821			7.618940			7.613060		
13888,	187962,	3051.0408,	13926,	181878,	3048.6876,	13964,	184966,	3046.3344,
7.624666			7.618786			7.612905		
13889,	187314,	3050.9789,	13927,	181300,	3048.6256,	13965,	184914,	3046.2724,
7.624512			7.618631			7.612750		
13890,	186408,	3050.9169,	13928,	180586,	3048.5637,	13966,	184630,	3046.2105,
7.624357			7.618476			7.612595		
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7.624202			7.618321			7.612441		
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7.624047			7.618167			7.612286		
13893,	184724,	3050.7312,	13931,	180870,	3048.3779,	13969,	184404,	3046.0247,
7.623893			7.618012			7.612131		
13894,	184546,	3050.6692,	13932,	181392,	3048.3160,	13970,	184294,	3045.9628,
7.623738			7.617857			7.611976		
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7.623583			7.617702			7.611822		
13896,	184930,	3050.5454,	13934,	181466,	3048.1922,	13972,	183464,	3045.8389,
7.623428			7.617548			7.611667		
13897,	185588,	3050.4835,	13935,	181392,	3048.1302,	13973,	183372,	3045.7770,
7.623274			7.617393			7.611512		
13898,	186196,	3050.4215,	13936,	181534,	3048.0683,	13974,	183772,	3045.7151,
7.623119			7.617238			7.611357		
13899,	186336,	3050.3596,	13937,	181876,	3048.0064,	13975,	184492,	3045.6532,
7.622964			7.617083			7.611203		
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7.622809			7.616929			7.611048		
13901,	185476,	3050.2357,	13939,	182964,	3047.8825,	13977,	185908,	3045.5293,
7.622655			7.616774			7.610893		
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7.622500			7.616619			7.610738		
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7.622345			7.616464			7.610584		
13904,	185856,	3050.0500,	13942,	185336,	3047.6967,	13980,	186986,	3045.3435,
7.622190			7.616310			7.610429		
13905,	185716,	3049.9880,	13943,	185498,	3047.6348,	13981,	186794,	3045.2816,
7.622036			7.616155			7.610274		
13906,	185192,	3049.9261,	13944,	185248,	3047.5729,	13982,	186440,	3045.2197,
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7.620952			7.615072			7.609191		
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13916,	185444,	3049.3068,	13954,	185698,	3046.9536,	13992,	188536,	3044.6004,
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14006,	184138,	3043.7334,	14044,	185298,	3041.3802,	14082,	185760,	3039.0270,
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14007,	184688,	3043.6715,	14045,	185024,	3041.3183,	14083,	185876,	3038.9651,
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7.605941			7.600060			7.594179		
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14013,	184126,	3043.2999,	14051,	183946,	3040.9467,	14089,	188438,	3038.5935,
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14014,	184224,	3043.2380,	14052,	184216,	3040.8848,	14090,	187654,	3038.5316,
7.605167			7.599286			7.593405		
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7.605012			7.599131			7.593251		
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7.604858			7.598977			7.593096		
14017,	185442,	3043.0522,	14055,	186418,	3040.6990,	14093,	187970,	3038.3458,
7.604703			7.598822			7.592941		
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7.604548			7.598667			7.592786		
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7.604393			7.598512			7.592632		
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7.604238			7.598358			7.592477		
14021,	186538,	3042.8045,	14059,	186290,	3040.4513,	14097,	187282,	3038.0981,
7.604084			7.598203			7.592322		
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7.603929			7.598048			7.592167		
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7.603774			7.597893			7.592013		
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7.603619			7.597739			7.591858		
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7.603465			7.597584			7.591703		
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7.603310			7.597429			7.591548		
14027,	186110,	3042.4330,	14065,	186000,	3040.0797,	14103,	186674,	3037.7265,
7.603155			7.597274			7.591394		
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7.551621			7.545740			7.539859		
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7.551466			7.545585			7.539705		
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7.551311			7.545431			7.539550		
14363,	186182,	3021.6255,	14401,	188802,	3019.2723,	14439,	188100,	3016.9191,
7.551157			7.545276			7.539395		
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7.551002			7.545121			7.539240		
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7.550847			7.544966			7.539086		
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7.550692			7.544812			7.538931		
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7.550538			7.544657			7.538776		
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7.550383			7.544502			7.538621		
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7.550228			7.544347			7.538466		
14370,	186540,	3021.1920,	14408,	189184,	3018.8388,	14446,	188884,	3016.4856,
7.550073			7.544193			7.538312		
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7.549764			7.543883			7.538002		

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7.537228			7.531348			7.525467		
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7.537074			7.531193			7.525312		
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7.536919			7.531038			7.525157		
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14707,	192610,	3000.3227,	14745,	189978,	2997.9694,	14783,	190750,	2995.6162,
7.497920			7.492039			7.486158		
14708,	193056,	3000.2607,	14746,	190240,	2997.9075,	14784,	190220,	2995.5543,
7.497765			7.491884			7.486004		
14709,	193492,	3000.1988,	14747,	190558,	2997.8456,	14785,	189598,	2995.4924,
7.497610			7.491730			7.485849		
14710,	194020,	3000.1369,	14748,	191022,	2997.7837,	14786,	189284,	2995.4304,
7.497456			7.491575			7.485694		
14711,	194460,	3000.0750,	14749,	191512,	2997.7217,	14787,	189302,	2995.3685,
7.497301			7.491420			7.485539		
14712,	194600,	3000.0130,	14750,	191878,	2997.6598,	14788,	189400,	2995.3066,
7.497146			7.491265			7.485385		
14713,	194462,	2999.9511,	14751,	192066,	2997.5979,	14789,	189316,	2995.2447,
7.496991			7.491111			7.485230		
14714,	194258,	2999.8892,	14752,	192114,	2997.5360,	14790,	188994,	2995.1827,
7.496837			7.490956			7.485075		

14791,	188566,	2995.1208,	14829,	192948,	2992.7676,	14867,	189952,	2990.4144,
7.484920			7.479040			7.473159		
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7.484766			7.478885			7.473004		
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7.484611			7.478730			7.472849		
14794,	188162,	2994.9350,	14832,	193686,	2992.5818,	14870,	189432,	2990.2286,
7.484456			7.478575			7.472694		
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7.484301			7.478420			7.472540		
14796,	189012,	2994.8112,	14834,	194666,	2992.4579,	14872,	190380,	2990.1047,
7.484147			7.478266			7.472385		
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7.483992			7.478111			7.472230		
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7.483837			7.477956			7.472075		
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7.483682			7.477801			7.471921		
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7.483527			7.477647			7.471766		
14801,	191178,	2994.5015,	14839,	194726,	2992.1483,	14877,	190102,	2989.7951,
7.483373			7.477492			7.471611		
14802,	191502,	2994.4396,	14840,	194336,	2992.0864,	14878,	189768,	2989.7332,
7.483218			7.477337			7.471456		
14803,	191458,	2994.3777,	14841,	193988,	2992.0245,	14879,	189668,	2989.6712,
7.483063			7.477182			7.471302		
14804,	191140,	2994.3158,	14842,	193540,	2991.9625,	14880,	189874,	2989.6093,
7.482908			7.477028			7.471147		
14805,	190876,	2994.2538,	14843,	193080,	2991.9006,	14881,	190508,	2989.5474,
7.482754			7.476873			7.470992		
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7.482599			7.476718			7.470837		
14807,	191298,	2994.1300,	14845,	192930,	2991.7767,	14883,	192678,	2989.4235,
7.482444			7.476563			7.470683		
14808,	191634,	2994.0680,	14846,	193122,	2991.7148,	14884,	193382,	2989.3616,
7.482289			7.476409			7.470528		
14809,	191754,	2994.0061,	14847,	193110,	2991.6529,	14885,	193406,	2989.2997,
7.482135			7.476254			7.470373		
14810,	191790,	2993.9442,	14848,	192842,	2991.5910,	14886,	192956,	2989.2377,
7.481980			7.476099			7.470218		
14811,	192024,	2993.8823,	14849,	192568,	2991.5290,	14887,	192546,	2989.1758,
7.481825			7.475944			7.470064		
14812,	192504,	2993.8203,	14850,	192588,	2991.4671,	14888,	192542,	2989.1139,
7.481670			7.475790			7.469909		
14813,	192892,	2993.7584,	14851,	192918,	2991.4052,	14889,	192900,	2989.0520,
7.481516			7.475635			7.469754		
14814,	192772,	2993.6965,	14852,	193256,	2991.3433,	14890,	193296,	2988.9900,
7.481361			7.475480			7.469599		
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7.481206			7.475325			7.469445		
14816,	191236,	2993.5726,	14854,	192932,	2991.2194,	14892,	193390,	2988.8662,
7.481051			7.475171			7.469290		
14817,	190684,	2993.5107,	14855,	192346,	2991.1575,	14893,	193136,	2988.8043,
7.480897			7.475016			7.469135		
14818,	190552,	2993.4488,	14856,	191758,	2991.0956,	14894,	192726,	2988.7423,
7.480742			7.474861			7.468980		
14819,	190556,	2993.3868,	14857,	191276,	2991.0336,	14895,	192168,	2988.6804,
7.480587			7.474706			7.468826		
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7.480432			7.474552			7.468671		
14821,	190062,	2993.2630,	14859,	190764,	2990.9098,	14897,	191366,	2988.5566,
7.480278			7.474397			7.468516		
14822,	189900,	2993.2011,	14860,	190746,	2990.8478,	14898,	191564,	2988.4946,
7.480123			7.474242			7.468361		
14823,	190114,	2993.1391,	14861,	190776,	2990.7859,	14899,	192016,	2988.4327,
7.479968			7.474087			7.468206		
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7.479813			7.473933			7.468052		
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7.479659			7.473778			7.467897		
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7.479504			7.473623			7.467742		
14827,	191630,	2992.8914,	14865,	189776,	2990.5382,	14903,	192042,	2988.1850,
7.479349			7.473468			7.467587		
14828,	192212,	2992.8295,	14866,	189826,	2990.4763,	14904,	192896,	2988.1231,
7.479194			7.473313			7.467433		

14905,	194094,	2988.0611,	14943,	193698,	2985.7079,	14981,	192978,	2983.3547,
7.467278			7.461397			7.455516		
14906,	194946,	2987.9992,	14944,	194090,	2985.6460,	14982,	193612,	2983.2928,
7.467123			7.461242			7.455362		
14907,	195014,	2987.9373,	14945,	193926,	2985.5841,	14983,	193898,	2983.2308,
7.466968			7.461088			7.455207		
14908,	194466,	2987.8754,	14946,	193310,	2985.5221,	14984,	193792,	2983.1689,
7.466814			7.460933			7.455052		
14909,	193846,	2987.8134,	14947,	192684,	2985.4602,	14985,	193470,	2983.1070,
7.466659			7.460778			7.454897		
14910,	193582,	2987.7515,	14948,	192344,	2985.3983,	14986,	193118,	2983.0451,
7.466504			7.460623			7.454743		
14911,	193704,	2987.6896,	14949,	192212,	2985.3364,	14987,	192798,	2982.9831,
7.466349			7.460469			7.454588		
14912,	194022,	2987.6276,	14950,	192034,	2985.2744,	14988,	192540,	2982.9212,
7.466195			7.460314			7.454433		
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7.466040			7.460159			7.454278		
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7.465885			7.460004			7.454124		
14915,	195390,	2987.4419,	14953,	191728,	2985.0886,	14991,	192944,	2982.7354,
7.465730			7.459850			7.453969		
14916,	195552,	2987.3799,	14954,	192026,	2985.0267,	14992,	193156,	2982.6735,
7.465576			7.459695			7.453814		
14917,	195158,	2987.3180,	14955,	192198,	2984.9648,	14993,	192976,	2982.6116,
7.465421			7.459540			7.453659		
14918,	194314,	2987.2561,	14956,	192116,	2984.9029,	14994,	192462,	2982.5496,
7.465266			7.459385			7.453505		
14919,	193490,	2987.1942,	14957,	191986,	2984.8409,	14995,	192022,	2982.4877,
7.465111			7.459231			7.453350		
14920,	193128,	2987.1322,	14958,	192130,	2984.7790,	14996,	192048,	2982.4258,
7.464957			7.459076			7.453195		
14921,	193266,	2987.0703,	14959,	192620,	2984.7171,	14997,	192582,	2982.3639,
7.464802			7.458921			7.453040		
14922,	193568,	2987.0084,	14960,	193226,	2984.6552,	14998,	193270,	2982.3019,
7.464647			7.458766			7.452885		
14923,	193714,	2986.9465,	14961,	193670,	2984.5932,	14999,	193714,	2982.2400,
7.464492			7.458612			7.452731		
14924,	193710,	2986.8845,	14962,	193920,	2984.5313,	15000,	193764,	2982.1781,
7.464338			7.458457			7.452576		
14925,	193748,	2986.8226,	14963,	194138,	2984.4694,	15001,	193610,	2982.1162,
7.464183			7.458302			7.452421		
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7.464028			7.458147			7.452266		
14927,	193806,	2986.6987,	14965,	194402,	2984.3455,	15003,	193476,	2981.9923,
7.463873			7.457992			7.452112		
14928,	193282,	2986.6368,	14966,	193954,	2984.2836,	15004,	193614,	2981.9304,
7.463719			7.457838			7.451957		
14929,	192406,	2986.5749,	14967,	193056,	2984.2217,	15005,	193890,	2981.8684,
7.463564			7.457683			7.451802		
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7.463254			7.457373			7.451493		
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7.463099			7.457219			7.451338		
14933,	192212,	2986.3272,	14971,	191300,	2983.9740,	15009,	195546,	2981.6207,
7.462945			7.457064			7.451183		
14934,	192594,	2986.2653,	14972,	191232,	2983.9120,	15010,	195406,	2981.5588,
7.462790			7.456909			7.451028		
14935,	192912,	2986.2033,	14973,	191098,	2983.8501,	15011,	195148,	2981.4969,
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14936,	193372,	2986.1414,	14974,	191120,	2983.7882,	15012,	194978,	2981.4350,
7.462480			7.456600			7.450719		
14937,	193936,	2986.0795,	14975,	191394,	2983.7263,	15013,	194880,	2981.3730,
7.462326			7.456445			7.450564		
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7.462171			7.456290			7.450409		
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7.462016			7.456135			7.450255		
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7.461861			7.455981			7.450100		
14941,	193050,	2985.8318,	14979,	191942,	2983.4785,	15017,	193236,	2981.1253,
7.461707			7.455826			7.449945		
14942,	193168,	2985.7698,	14980,	192312,	2983.4166,	15018,	193138,	2981.0634,
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15019,	193280,	2981.0015,	15057,	192858,	2978.6482,	15095,	193954,	2976.2950,
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7.449481			7.443600			7.437719		
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7.448707			7.442826			7.436945		
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7.448552			7.442671			7.436791		
15027,	194290,	2980.5061,	15065,	194124,	2978.1528,	15103,	193730,	2975.7996,
7.448397			7.442517			7.436636		
15028,	194144,	2980.4441,	15066,	193966,	2978.0909,	15104,	193528,	2975.7377,
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7.447933			7.442052			7.436172		
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7.447778			7.441898			7.436017		
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7.447624			7.441743			7.435862		
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7.447159			7.441279			7.435398		
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7.447005			7.441124			7.435243		
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7.446850			7.440969			7.435088		
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7.446695			7.440814			7.434934		
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7.446540			7.440660			7.434779		
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7.446386			7.440505			7.434624		
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7.445921			7.440041			7.434160		
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7.445767			7.439886			7.434005		
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7.445457			7.439576			7.433696		
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7.445148			7.439267			7.433386		
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7.444993			7.439112			7.433231		
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7.444838			7.438957			7.433076		
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7.444683			7.438803			7.432922		
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7.444529			7.438648			7.432767		
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7.444374			7.438493			7.432612		
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7.444219			7.438338			7.432457		
15055,	193742,	2978.7721,	15093,	193018,	2976.4189,	15131,	193354,	2974.0657,
7.444064			7.438183			7.432303		
15056,	193120,	2978.7102,	15094,	193456,	2976.3570,	15132,	193312,	2974.0037,
7.443910			7.438029			7.432148		



15133,	193080,	2973.9418,	15171,	193038,	2971.5886,	15209,	194576,	2969.2354,
7.431993			7.426112			7.420232		
15134,	192646,	2973.8799,	15172,	193756,	2971.5267,	15210,	194856,	2969.1734,
7.431838			7.425958			7.420077		
15135,	192256,	2973.8179,	15173,	194164,	2971.4647,	15211,	194912,	2969.1115,
7.431684			7.425803			7.419922		
15136,	192252,	2973.7560,	15174,	194300,	2971.4028,	15212,	194922,	2969.0496,
7.431529			7.425648			7.419767		
15137,	192718,	2973.6941,	15175,	194256,	2971.3409,	15213,	195046,	2968.9876,
7.431374			7.425493			7.419613		
15138,	193378,	2973.6322,	15176,	194036,	2971.2789,	15214,	195246,	2968.9257,
7.431219			7.425339			7.419458		
15139,	193858,	2973.5702,	15177,	193620,	2971.2170,	15215,	195422,	2968.8638,
7.431065			7.425184			7.419303		
15140,	194064,	2973.5083,	15178,	193122,	2971.1551,	15216,	195584,	2968.8019,
7.430910			7.425029			7.419148		
15141,	194252,	2973.4464,	15179,	192790,	2971.0932,	15217,	195816,	2968.7399,
7.430755			7.424874			7.418994		
15142,	194702,	2973.3845,	15180,	192826,	2971.0312,	15218,	196066,	2968.6780,
7.430600			7.424720			7.418839		
15143,	195344,	2973.3225,	15181,	193180,	2970.9693,	15219,	196072,	2968.6161,
7.430446			7.424565			7.418684		
15144,	195814,	2973.2606,	15182,	193598,	2970.9074,	15220,	195596,	2968.5542,
7.430291			7.424410			7.418529		
15145,	195808,	2973.1987,	15183,	193890,	2970.8455,	15221,	194736,	2968.4922,
7.430136			7.424255			7.418375		
15146,	195430,	2973.1368,	15184,	194042,	2970.7835,	15222,	193922,	2968.4303,
7.429981			7.424101			7.418220		
15147,	195048,	2973.0748,	15185,	194206,	2970.7216,	15223,	193536,	2968.3684,
7.429827			7.423946			7.418065		
15148,	194970,	2973.0129,	15186,	194460,	2970.6597,	15224,	193550,	2968.3065,
7.429672			7.423791			7.417910		
15149,	195146,	2972.9510,	15187,	194764,	2970.5977,	15225,	193564,	2968.2445,
7.429517			7.423636			7.417755		
15150,	195306,	2972.8890,	15188,	195038,	2970.5358,	15226,	193282,	2968.1826,
7.429362			7.423482			7.417601		
15151,	195268,	2972.8271,	15189,	195250,	2970.4739,	15227,	192822,	2968.1207,
7.429208			7.423327			7.417446		
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7.429053			7.423172			7.417291		
15153,	194826,	2972.7033,	15191,	195278,	2970.3500,	15229,	192800,	2967.9968,
7.428898			7.423017			7.417136		
15154,	194566,	2972.6413,	15192,	194846,	2970.2881,	15230,	193274,	2967.9349,
7.428743			7.422862			7.416982		
15155,	194238,	2972.5794,	15193,	194156,	2970.2262,	15231,	193606,	2967.8730,
7.428589			7.422708			7.416827		
15156,	193870,	2972.5175,	15194,	193600,	2970.1643,	15232,	193638,	2967.8110,
7.428434			7.422553			7.416672		
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7.428279			7.422398			7.416517		
15158,	193676,	2972.3936,	15196,	194254,	2970.0404,	15234,	193700,	2967.6872,
7.428124			7.422243			7.416363		
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7.427969			7.422089			7.416208		
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7.427815			7.421934			7.416053		
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7.427660			7.421779			7.415898		
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7.427505			7.421624			7.415744		
15163,	191460,	2972.0840,	15201,	194068,	2969.7308,	15239,	193096,	2967.3775,
7.427350			7.421470			7.415589		
15164,	191236,	2972.0221,	15202,	194320,	2969.6688,	15240,	193112,	2967.3156,
7.427196			7.421315			7.415434		
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7.427041			7.421160			7.415279		
15166,	191550,	2971.8982,	15204,	194960,	2969.5450,	15242,	193304,	2967.1918,
7.426886			7.421005			7.415125		
15167,	191496,	2971.8363,	15205,	194610,	2969.4831,	15243,	192980,	2967.1298,
7.426731			7.420851			7.414970		
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7.426577			7.420696			7.414815		
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7.426422			7.420541			7.414660		
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7.426267			7.420386			7.414506		

15247,	192298,	2966.8821,	15285,	194778,	2964.5289,	15323,	193124,	2962.1757,
7.414351			7.408470			7.402589		
15248,	192670,	2966.8202,	15286,	194152,	2964.4670,	15324,	193286,	2962.1138,
7.414196			7.408315			7.402434		
15249,	193376,	2966.7583,	15287,	193562,	2964.4051,	15325,	193336,	2962.0518,
7.414041			7.408161			7.402280		
15250,	194478,	2966.6964,	15288,	193330,	2964.3431,	15326,	193360,	2961.9899,
7.413887			7.408006			7.402125		
15251,	195730,	2966.6344,	15289,	193382,	2964.2812,	15327,	193318,	2961.9280,
7.413732			7.407851			7.401970		
15252,	196664,	2966.5725,	15290,	193318,	2964.2193,	15328,	193018,	2961.8661,
7.413577			7.407696			7.401815		
15253,	196962,	2966.5106,	15291,	192892,	2964.1574,	15329,	192420,	2961.8041,
7.413422			7.407541			7.401661		
15254,	196756,	2966.4486,	15292,	192372,	2964.0954,	15330,	191844,	2961.7422,
7.413268			7.407387			7.401506		
15255,	196472,	2966.3867,	15293,	192316,	2964.0335,	15331,	191786,	2961.6803,
7.413113			7.407232			7.401351		
15256,	196410,	2966.3248,	15294,	192998,	2963.9716,	15332,	192420,	2961.6183,
7.412958			7.407077			7.401196		
15257,	196472,	2966.2629,	15295,	194118,	2963.9096,	15333,	193390,	2961.5564,
7.412803			7.406922			7.401042		
15258,	196368,	2966.2009,	15296,	195118,	2963.8477,	15334,	194088,	2961.4945,
7.412648			7.406768			7.400887		
15259,	196000,	2966.1390,	15297,	195742,	2963.7858,	15335,	194246,	2961.4326,
7.412494			7.406613			7.400732		
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15261,	195430,	2966.0152,	15299,	196916,	2963.6619,	15337,	194328,	2961.3087,
7.412184			7.406303			7.400423		
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7.412029			7.406149			7.400268		
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7.411875			7.405994			7.400113		
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15265,	195764,	2965.7674,	15303,	197042,	2963.4142,	15341,	196300,	2961.0610,
7.411565			7.405684			7.399804		
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7.411410			7.405530			7.399649		
15267,	196256,	2965.6436,	15305,	196524,	2963.2904,	15343,	196968,	2960.9372,
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15268,	196318,	2965.5817,	15306,	197006,	2963.2284,	15344,	197636,	2960.8752,
7.411101			7.405220			7.399339		
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7.410946			7.405065			7.399185		
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7.410791			7.404911			7.399030		
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7.410637			7.404756			7.398875		
15272,	194446,	2965.3340,	15310,	196170,	2962.9807,	15348,	196998,	2960.6275,
7.410482			7.404601			7.398720		
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7.410327			7.404446			7.398566		
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7.410018			7.404137			7.398256		
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7.409863			7.403982			7.398101		
15277,	195500,	2965.0243,	15315,	196296,	2962.6711,	15353,	197350,	2960.3179,
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7.409553			7.403673			7.397792		
15279,	195406,	2964.9005,	15317,	195750,	2962.5473,	15355,	197580,	2960.1940,
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15370,	196550,	2959.2651,	15408,	195740,	2956.9119,	15446,	196126,	2954.5587,
7.395316			7.389435			7.383554		
15371,	196050,	2959.2032,	15409,	196188,	2956.8500,	15447,	195520,	2954.4968,
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15375,	195978,	2958.9555,	15413,	198812,	2956.6023,	15451,	193394,	2954.2490,
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7.378757			7.372876			7.366995		
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7.378602			7.372721			7.366840		
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7.270581			7.264700			7.258819		
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7.270271			7.264391			7.258510		
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7.270117			7.264236			7.258355		
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7.269807			7.263926			7.258046		
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7.269652			7.263772			7.257891		
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7.269188			7.263307			7.257427		
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7.269033			7.263153			7.257272		
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7.268879			7.262998			7.257117		
16188,	201848,	2908.6089,	16226,	206432,	2906.2557,	16264,	204452,	2903.9025,
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16189,	201966,	2908.5470,	16227,	206258,	2906.1938,	16265,	204560,	2903.8405,
7.268569			7.262688			7.256807		
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7.268414			7.262534			7.256653		
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7.267641			7.261760			7.255879		
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16273,	204668,	2903.3451,	16311,	205512,	2900.9919,	16349,	208364,	2898.6387,
7.255569			7.249689			7.243808		
16274,	205172,	2903.2832,	16312,	205824,	2900.9300,	16350,	208580,	2898.5768,
7.255415			7.249534			7.243653		
16275,	205806,	2903.2213,	16313,	205718,	2900.8681,	16351,	209044,	2898.5148,
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16276,	206368,	2903.1593,	16314,	205362,	2900.8061,	16352,	209422,	2898.4529,
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16277,	206824,	2903.0974,	16315,	204990,	2900.7442,	16353,	209446,	2898.3910,
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7.252165			7.246284			7.240403		
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16523,	209638,	2887.8634,	16561,	208076,	2885.5102,	16599,	207662,	2883.1570,
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16870,	211036,	2866.3748,	16908,	211014,	2864.0215,	16946,	211738,	2861.6683,
7.163179			7.157298			7.151418		
16871,	211444,	2866.3128,	16909,	211458,	2863.9596,	16947,	211794,	2861.6064,
7.163024			7.157144			7.151263		
16872,	211794,	2866.2509,	16910,	211436,	2863.8977,	16948,	211640,	2861.5445,
7.162870			7.156989			7.151108		
16873,	211940,	2866.1890,	16911,	211076,	2863.8358,	16949,	211436,	2861.4825,
7.162715			7.156834			7.150953		
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7.162560			7.156679			7.150798		
16875,	212326,	2866.0651,	16913,	210458,	2863.7119,	16951,	211828,	2861.3587,
7.162405			7.156525			7.150644		
16876,	212626,	2866.0032,	16914,	210090,	2863.6500,	16952,	212218,	2861.2968,
7.162251			7.156370			7.150489		
16877,	212718,	2865.9413,	16915,	209416,	2863.5881,	16953,	212316,	2861.2348,
7.162096			7.156215			7.150334		
16878,	212552,	2865.8794,	16916,	208604,	2863.5261,	16954,	212072,	2861.1729,
7.161941			7.156060			7.150179		
16879,	212380,	2865.8174,	16917,	208122,	2863.4642,	16955,	211722,	2861.1110,
7.161786			7.155905			7.150025		
16880,	212490,	2865.7555,	16918,	208232,	2863.4023,	16956,	211470,	2861.0491,
7.161632			7.155751			7.149870		



16957,	211250,	2860.9871,	16995,	212056,	2858.6339,	17033,	216284,	2856.2807,
7.149715			7.143834			7.137954		
16958,	210898,	2860.9252,	16996,	211516,	2858.5720,	17034,	215642,	2856.2188,
7.149560			7.143680			7.137799		
16959,	210444,	2860.8633,	16997,	210964,	2858.5101,	17035,	214376,	2856.1568,
7.149406			7.143525			7.137644		
16960,	210204,	2860.8013,	16998,	210666,	2858.4481,	17036,	213290,	2856.0949,
7.149251			7.143370			7.137489		
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7.149096			7.143215			7.137335		
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7.148941			7.143061			7.137180		
16963,	211606,	2860.6156,	17001,	212226,	2858.2623,	17039,	213964,	2855.9091,
7.148787			7.142906			7.137025		
16964,	211760,	2860.5536,	17002,	212840,	2858.2004,	17040,	214188,	2855.8472,
7.148632			7.142751			7.136870		
16965,	211674,	2860.4917,	17003,	213220,	2858.1385,	17041,	214206,	2855.7853,
7.148477			7.142596			7.136716		
16966,	211760,	2860.4298,	17004,	213492,	2858.0766,	17042,	214390,	2855.7233,
7.148322			7.142442			7.136561		
16967,	212216,	2860.3679,	17005,	213784,	2858.0146,	17043,	214828,	2855.6614,
7.148168			7.142287			7.136406		
16968,	212740,	2860.3059,	17006,	214060,	2857.9527,	17044,	215156,	2855.5995,
7.148013			7.142132			7.136251		
16969,	212840,	2860.2440,	17007,	214210,	2857.8908,	17045,	214952,	2855.5376,
7.147858			7.141977			7.136096		
16970,	212352,	2860.1821,	17008,	214202,	2857.8289,	17046,	214250,	2855.4756,
7.147703			7.141823			7.135942		
16971,	211610,	2860.1201,	17009,	214132,	2857.7669,	17047,	213504,	2855.4137,
7.147549			7.141668			7.135787		
16972,	211130,	2860.0582,	17010,	214126,	2857.7050,	17048,	213114,	2855.3518,
7.147394			7.141513			7.135632		
16973,	211112,	2859.9963,	17011,	214178,	2857.6431,	17049,	212996,	2855.2899,
7.147239			7.141358			7.135477		
16974,	211356,	2859.9344,	17012,	214182,	2857.5811,	17050,	212736,	2855.2279,
7.147084			7.141204			7.135323		
16975,	211634,	2859.8724,	17013,	214056,	2857.5192,	17051,	212098,	2855.1660,
7.146930			7.141049			7.135168		
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7.146775			7.140894			7.135013		
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7.146620			7.140739			7.134858		
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7.146465			7.140584			7.134704		
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7.146311			7.140430			7.134549		
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7.146156			7.140275			7.134394		
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7.146001			7.140120			7.134239		
16982,	213864,	2859.4390,	17020,	213898,	2857.0857,	17058,	210652,	2854.7325,
7.145846			7.139965			7.134085		
16983,	213778,	2859.3770,	17021,	214742,	2857.0238,	17059,	210422,	2854.6706,
7.145691			7.139811			7.133930		
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7.145537			7.139656			7.133775		
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7.145382			7.139501			7.133620		
16986,	214576,	2859.1912,	17024,	215028,	2856.8380,	17062,	209490,	2854.4848,
7.145227			7.139346			7.133466		
16987,	214182,	2859.1293,	17025,	214956,	2856.7761,	17063,	209282,	2854.4229,
7.145072			7.139192			7.133311		
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7.144918			7.139037			7.133156		
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7.144763			7.138882			7.133001		
16990,	213276,	2858.9435,	17028,	215344,	2856.5903,	17066,	211110,	2854.2371,
7.144608			7.138727			7.132847		
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7.144453			7.138573			7.132692		
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7.144299			7.138418			7.132537		
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7.144144			7.138263			7.132382		
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7.143989			7.138108			7.132228		

17071,	210732,	2853.9275,	17109,	210208,	2851.5742,	17147,	214164,	2849.2210,
7.132073			7.126192			7.120311		
17072,	211826,	2853.8655,	17110,	211186,	2851.5123,	17148,	214740,	2849.1591,
7.131918			7.126037			7.120156		
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7.131763			7.125882			7.120002		
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7.131609			7.125728			7.119847		
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7.131454			7.125573			7.119692		
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7.131299			7.125418			7.119537		
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7.131144			7.125263			7.119383		
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7.130989			7.125109			7.119228		
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7.130835			7.124954			7.119073		
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7.130680			7.124799			7.118918		
17081,	212638,	2853.3082,	17119,	215924,	2850.9550,	17157,	216296,	2848.6017,
7.130525			7.124644			7.118764		
17082,	213270,	2853.2463,	17120,	215968,	2850.8930,	17158,	216434,	2848.5398,
7.130370			7.124490			7.118609		
17083,	213688,	2853.1843,	17121,	215344,	2850.8311,	17159,	216236,	2848.4779,
7.130216			7.124335			7.118454		
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7.130061			7.124180			7.118299		
17085,	213910,	2853.0605,	17123,	213746,	2850.7073,	17161,	215386,	2848.3540,
7.129906			7.124025			7.118145		
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7.129751			7.123871			7.117990		
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7.129597			7.123716			7.117835		
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7.129442			7.123561			7.117680		
17089,	213540,	2852.8128,	17127,	212272,	2850.4596,	17165,	216260,	2848.1063,
7.129287			7.123406			7.117526		
17090,	213464,	2852.7508,	17128,	211928,	2850.3976,	17166,	216522,	2848.0444,
7.129132			7.123252			7.117371		
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7.128978			7.123097			7.117216		
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7.128823			7.122942			7.117061		
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7.128668			7.122787			7.116907		
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7.128513			7.122633			7.116752		
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7.128359			7.122478			7.116597		
17096,	214048,	2852.3793,	17134,	214316,	2850.0261,	17172,	215564,	2847.6728,
7.128204			7.122323			7.116442		
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7.128049			7.122168			7.116288		
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7.127894			7.122014			7.116133		
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7.127740			7.121859			7.115978		
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7.127585			7.121704			7.115823		
17101,	212012,	2852.0697,	17139,	213320,	2849.7164,	17177,	215014,	2847.3632,
7.127430			7.121549			7.115668		
17102,	211856,	2852.0077,	17140,	212520,	2849.6545,	17178,	214652,	2847.3013,
7.127275			7.121395			7.115514		
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7.127121			7.121240			7.115359		
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7.126966			7.121085			7.115204		
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7.126811			7.120930			7.115049		
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7.126656			7.120775			7.114895		
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7.126502			7.120621			7.114740		
17108,	209668,	2851.6362,	17146,	212834,	2849.2829,	17184,	214370,	2846.9297,
7.126347			7.120466			7.114585		

17185,	214168,	2846.8678,	17223,	214320,	2844.5146,	17261,	215640,	2842.1613,
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17189,	212426,	2846.6201,	17227,	214144,	2844.2669,	17265,	216044,	2841.9136,
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7.113657			7.107776			7.101895		
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7.113502			7.107621			7.101740		
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7.113192			7.107312			7.101431		
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7.113038			7.107157			7.101276		
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7.112883			7.107002			7.101121		
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7.112419			7.106538			7.100657		
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7.110097			7.104216			7.098336		
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7.109942			7.104062			7.098181		
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17641,	219106,	2818.6291,	17679,	219060,	2816.2759,	17717,	220780,	2813.9227,
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17642,	218670,	2818.5672,	17680,	218722,	2816.2140,	17718,	220452,	2813.8608,
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7.043551			7.037671			7.031790		
17644,	217820,	2818.4433,	17682,	219162,	2816.0901,	17720,	221530,	2813.7369,
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7.042159			7.036278			7.030397		
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7.042004			7.036123			7.030242		
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7.041849			7.035968			7.030087		
17655,	219610,	2817.7621,	17693,	224642,	2815.4089,	17731,	221482,	2813.0557,
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17987,	226294,	2797.2024,	18025,	228736,	2794.8492,	18063,	225592,	2792.4960,
6.990315			6.984434			6.978553		
17988,	226646,	2797.1405,	18026,	228716,	2794.7873,	18064,	225024,	2792.4340,
6.990160			6.984279			6.978398		
17989,	226770,	2797.0786,	18027,	228424,	2794.7253,	18065,	224792,	2792.3721,
6.990005			6.984124			6.978244		
17990,	226724,	2797.0166,	18028,	228034,	2794.6634,	18066,	224946,	2792.3102,
6.989850			6.983970			6.978089		
17991,	226442,	2796.9547,	18029,	227564,	2794.6015,	18067,	225240,	2792.2483,
6.989696			6.983815			6.977934		
17992,	225866,	2796.8928,	18030,	226944,	2794.5396,	18068,	225384,	2792.1863,
6.989541			6.983660			6.977779		
17993,	225188,	2796.8309,	18031,	226252,	2794.4776,	18069,	225332,	2792.1244,
6.989386			6.983505			6.977625		
17994,	224772,	2796.7689,	18032,	225778,	2794.4157,	18070,	225276,	2792.0625,
6.989231			6.983351			6.977470		
17995,	224856,	2796.7070,	18033,	225764,	2794.3538,	18071,	225406,	2792.0006,
6.989077			6.983196			6.977315		
17996,	225276,	2796.6451,	18034,	226122,	2794.2918,	18072,	225652,	2791.9386,
6.988922			6.983041			6.977160		
17997,	225602,	2796.5831,	18035,	226502,	2794.2299,	18073,	225760,	2791.8767,
6.988767			6.982886			6.977006		
17998,	225592,	2796.5212,	18036,	226638,	2794.1680,	18074,	225614,	2791.8148,
6.988612			6.982732			6.976851		
17999,	225402,	2796.4593,	18037,	226626,	2794.1061,	18075,	225364,	2791.7528,
6.988458			6.982577			6.976696		
18000,	225350,	2796.3974,	18038,	226754,	2794.0441,	18076,	225270,	2791.6909,
6.988303			6.982422			6.976541		
18001,	225508,	2796.3354,	18039,	227124,	2793.9822,	18077,	225402,	2791.6290,
6.988148			6.982267			6.976387		
18002,	225572,	2796.2735,	18040,	227480,	2793.9203,	18078,	225554,	2791.5671,
6.987993			6.982113			6.976232		
18003,	225186,	2796.2116,	18041,	227460,	2793.8584,	18079,	225512,	2791.5051,
6.987839			6.981958			6.976077		
18004,	224372,	2796.1497,	18042,	226986,	2793.7964,	18080,	225336,	2791.4432,
6.987684			6.981803			6.975922		
18005,	223522,	2796.0877,	18043,	226356,	2793.7345,	18081,	225296,	2791.3813,
6.987529			6.981648			6.975768		
18006,	223014,	2796.0258,	18044,	225932,	2793.6726,	18082,	225578,	2791.3194,
6.987374			6.981494			6.975613		
18007,	222866,	2795.9639,	18045,	225764,	2793.6107,	18083,	226012,	2791.2574,
6.987220			6.981339			6.975458		
18008,	222828,	2795.9019,	18046,	225602,	2793.5487,	18084,	226246,	2791.1955,
6.987065			6.981184			6.975303		
18009,	222814,	2795.8400,	18047,	225220,	2793.4868,	18085,	226118,	2791.1336,
6.986910			6.981029			6.975149		
18010,	223054,	2795.7781,	18048,	224710,	2793.4249,	18086,	225844,	2791.0717,
6.986755			6.980875			6.974994		
18011,	223828,	2795.7162,	18049,	224344,	2793.3629,	18087,	225834,	2791.0097,
6.986601			6.980720			6.974839		
18012,	225010,	2795.6542,	18050,	224260,	2793.3010,	18088,	226284,	2790.9478,
6.986446			6.980565			6.974684		
18013,	226052,	2795.5923,	18051,	224304,	2793.2391,	18089,	227024,	2790.8859,
6.986291			6.980410			6.974529		
18014,	226428,	2795.5304,	18052,	224238,	2793.1772,	18090,	227674,	2790.8239,
6.986136			6.980256			6.974375		
18015,	226162,	2795.4685,	18053,	224040,	2793.1152,	18091,	227976,	2790.7620,
6.985982			6.980101			6.974220		
18016,	225790,	2795.4065,	18054,	223978,	2793.0533,	18092,	227892,	2790.7001,
6.985827			6.979946			6.974065		
18017,	225826,	2795.3446,	18055,	224318,	2792.9914,	18093,	227488,	2790.6382,
6.985672			6.979791			6.973910		
18018,	226304,	2795.2827,	18056,	225042,	2792.9295,	18094,	226814,	2790.5762,
6.985517			6.979636			6.973756		
18019,	226824,	2795.2208,	18057,	225864,	2792.8675,	18095,	225930,	2790.5143,
6.985363			6.979482			6.973601		
18020,	227046,	2795.1588,	18058,	226484,	2792.8056,	18096,	225022,	2790.4524,
6.985208			6.979327			6.973446		

18097,	224344,	2790.3905,	18135,	227422,	2788.0372,	18173,	226226,	2785.6840,
6.973291			6.967411			6.961530		
18098,	224052,	2790.3285,	18136,	228246,	2787.9753,	18174,	225872,	2785.6221,
6.973137			6.967256			6.961375		
18099,	224038,	2790.2666,	18137,	228824,	2787.9134,	18175,	225542,	2785.5602,
6.972982			6.967101			6.961220		
18100,	224042,	2790.2047,	18138,	228936,	2787.8515,	18176,	225356,	2785.4982,
6.972827			6.966946			6.961066		
18101,	223890,	2790.1427,	18139,	228556,	2787.7895,	18177,	225262,	2785.4363,
6.972672			6.966792			6.960911		
18102,	223656,	2790.0808,	18140,	228032,	2787.7276,	18178,	225150,	2785.3744,
6.972518			6.966637			6.960756		
18103,	223520,	2790.0189,	18141,	227852,	2787.6657,	18179,	224950,	2785.3124,
6.972363			6.966482			6.960601		
18104,	223562,	2789.9570,	18142,	228232,	2787.6037,	18180,	224662,	2785.2505,
6.972208			6.966327			6.960447		
18105,	223732,	2789.8950,	18143,	228910,	2787.5418,	18181,	224360,	2785.1886,
6.972053			6.966173			6.960292		
18106,	223978,	2789.8331,	18144,	229388,	2787.4799,	18182,	224182,	2785.1267,
6.971899			6.966018			6.960137		
18107,	224340,	2789.7712,	18145,	229332,	2787.4180,	18183,	224286,	2785.0647,
6.971744			6.965863			6.959982		
18108,	224888,	2789.7093,	18146,	228818,	2787.3560,	18184,	224732,	2785.0028,
6.971589			6.965708			6.959828		
18109,	225498,	2789.6473,	18147,	228154,	2787.2941,	18185,	225372,	2784.9409,
6.971434			6.965554			6.959673		
18110,	225890,	2789.5854,	18148,	227602,	2787.2322,	18186,	225926,	2784.8790,
6.971280			6.965399			6.959518		
18111,	225858,	2789.5235,	18149,	227266,	2787.1703,	18187,	226160,	2784.8170,
6.971125			6.965244			6.959363		
18112,	225546,	2789.4616,	18150,	227150,	2787.1083,	18188,	226024,	2784.7551,
6.970970			6.965089			6.959208		
18113,	225304,	2789.3996,	18151,	227236,	2787.0464,	18189,	225638,	2784.6932,
6.970815			6.964935			6.959054		
18114,	225390,	2789.3377,	18152,	227440,	2786.9845,	18190,	225132,	2784.6313,
6.970661			6.964780			6.958899		
18115,	225630,	2789.2758,	18153,	227598,	2786.9225,	18191,	224588,	2784.5693,
6.970506			6.964625			6.958744		
18116,	225646,	2789.2138,	18154,	227530,	2786.8606,	18192,	224084,	2784.5074,
6.970351			6.964470			6.958589		
18117,	225294,	2789.1519,	18155,	227262,	2786.7987,	18193,	223764,	2784.4455,
6.970196			6.964315			6.958435		
18118,	224876,	2789.0900,	18156,	227046,	2786.7368,	18194,	223802,	2784.3835,
6.970042			6.964161			6.958280		
18119,	224866,	2789.0281,	18157,	227146,	2786.6748,	18195,	224196,	2784.3216,
6.969887			6.964006			6.958125		
18120,	225386,	2788.9661,	18158,	227518,	2786.6129,	18196,	224740,	2784.2597,
6.969732			6.963851			6.957970		
18121,	226030,	2788.9042,	18159,	227792,	2786.5510,	18197,	225180,	2784.1978,
6.969577			6.963696			6.957816		
18122,	226242,	2788.8423,	18160,	227594,	2786.4891,	18198,	225454,	2784.1358,
6.969422			6.963542			6.957661		
18123,	225834,	2788.7804,	18161,	226908,	2786.4271,	18199,	225740,	2784.0739,
6.969268			6.963387			6.957506		
18124,	225154,	2788.7184,	18162,	226086,	2786.3652,	18200,	226206,	2784.0120,
6.969113			6.963232			6.957351		
18125,	224670,	2788.6565,	18163,	225500,	2786.3033,	18201,	226752,	2783.9501,
6.968958			6.963077			6.957197		
18126,	224498,	2788.5946,	18164,	225180,	2786.2414,	18202,	227034,	2783.8881,
6.968803			6.962923			6.957042		
18127,	224354,	2788.5326,	18165,	224858,	2786.1794,	18203,	226816,	2783.8262,
6.968649			6.962768			6.956887		
18128,	223956,	2788.4707,	18166,	224326,	2786.1175,	18204,	226274,	2783.7643,
6.968494			6.962613			6.956732		
18129,	223408,	2788.4088,	18167,	223746,	2786.0556,	18205,	225892,	2783.7023,
6.968339			6.962458			6.956578		
18130,	223132,	2788.3469,	18168,	223550,	2785.9936,	18206,	226064,	2783.6404,
6.968184			6.962304			6.956423		
18131,	223470,	2788.2849,	18169,	224014,	2785.9317,	18207,	226778,	2783.5785,
6.968030			6.962149			6.956268		
18132,	224362,	2788.2230,	18170,	224950,	2785.8698,	18208,	227688,	2783.5166,
6.967875			6.961994			6.956113		
18133,	225466,	2788.1611,	18171,	225858,	2785.8079,	18209,	228502,	2783.4546,
6.967720			6.961839			6.955959		
18134,	226502,	2788.0992,	18172,	226308,	2785.7459,	18210,	229200,	2783.3927,
6.967565			6.961685			6.955804		

18211,	229922,	2783.3308,	18249,	230254,	2780.9776,	18287,	230872,	2778.6243,
6.955649			6.949768			6.943887		
18212,	230648,	2783.2689,	18250,	229954,	2780.9156,	18288,	231478,	2778.5624,
6.955494			6.949613			6.943733		
18213,	231144,	2783.2069,	18251,	229694,	2780.8537,	18289,	232052,	2778.5005,
6.955340			6.949459			6.943578		
18214,	231204,	2783.1450,	18252,	229556,	2780.7918,	18290,	232054,	2778.4386,
6.955185			6.949304			6.943423		
18215,	230910,	2783.0831,	18253,	229582,	2780.7299,	18291,	231326,	2778.3766,
6.955030			6.949149			6.943268		
18216,	230602,	2783.0212,	18254,	229766,	2780.6679,	18292,	230194,	2778.3147,
6.954875			6.948994			6.943114		
18217,	230556,	2782.9592,	18255,	229920,	2780.6060,	18293,	229116,	2778.2528,
6.954720			6.948840			6.942959		
18218,	230722,	2782.8973,	18256,	229726,	2780.5441,	18294,	228296,	2778.1909,
6.954566			6.948685			6.942804		
18219,	230836,	2782.8354,	18257,	229032,	2780.4821,	18295,	227646,	2778.1289,
6.954411			6.948530			6.942649		
18220,	230740,	2782.7734,	18258,	228018,	2780.4202,	18296,	227010,	2778.0670,
6.954256			6.948375			6.942495		
18221,	230506,	2782.7115,	18259,	227102,	2780.3583,	18297,	226418,	2778.0051,
6.954101			6.948221			6.942340		
18222,	230290,	2782.6496,	18260,	226564,	2780.2964,	18298,	226054,	2777.9431,
6.953947			6.948066			6.942185		
18223,	230038,	2782.5877,	18261,	226340,	2780.2344,	18299,	226058,	2777.8812,
6.953792			6.947911			6.942030		
18224,	229498,	2782.5257,	18262,	226150,	2780.1725,	18300,	226410,	2777.8193,
6.953637			6.947756			6.941876		
18225,	228530,	2782.4638,	18263,	225902,	2780.1106,	18301,	226962,	2777.7574,
6.953482			6.947602			6.941721		
18226,	227348,	2782.4019,	18264,	225818,	2780.0487,	18302,	227530,	2777.6954,
6.953328			6.947447			6.941566		
18227,	226414,	2782.3400,	18265,	226212,	2779.9867,	18303,	227922,	2777.6335,
6.953173			6.947292			6.941411		
18228,	226068,	2782.2780,	18266,	227050,	2779.9248,	18304,	227978,	2777.5716,
6.953018			6.947137			6.941257		
18229,	226238,	2782.2161,	18267,	227882,	2779.8629,	18305,	227666,	2777.5097,
6.952863			6.946983			6.941102		
18230,	226614,	2782.1542,	18268,	228226,	2779.8010,	18306,	227216,	2777.4477,
6.952709			6.946828			6.940947		
18231,	226940,	2782.0922,	18269,	227994,	2779.7390,	18307,	227062,	2777.3858,
6.952554			6.946673			6.940792		
18232,	227230,	2782.0303,	18270,	227618,	2779.6771,	18308,	227500,	2777.3239,
6.952399			6.946518			6.940638		
18233,	227572,	2781.9684,	18271,	227606,	2779.6152,	18309,	228374,	2777.2620,
6.952244			6.946364			6.940483		
18234,	227918,	2781.9065,	18272,	228138,	2779.5532,	18310,	229132,	2777.2000,
6.952090			6.946209			6.940328		
18235,	228058,	2781.8445,	18273,	228972,	2779.4913,	18311,	229248,	2777.1381,
6.951935			6.946054			6.940173		
18236,	227866,	2781.7826,	18274,	229764,	2779.4294,	18312,	228736,	2777.0762,
6.951780			6.945899			6.940019		
18237,	227510,	2781.7207,	18275,	230370,	2779.3675,	18313,	228136,	2777.0142,
6.951625			6.945745			6.939864		
18238,	227300,	2781.6588,	18276,	230812,	2779.3055,	18314,	228026,	2776.9523,
6.951471			6.945590			6.939709		
18239,	227388,	2781.5968,	18277,	231088,	2779.2436,	18315,	228476,	2776.8904,
6.951316			6.945435			6.939554		
18240,	227620,	2781.5349,	18278,	231098,	2779.1817,	18316,	229032,	2776.8285,
6.951161			6.945280			6.939399		
18241,	227744,	2781.4730,	18279,	230808,	2779.1198,	18317,	229162,	2776.7665,
6.951006			6.945126			6.939245		
18242,	227724,	2781.4111,	18280,	230432,	2779.0578,	18318,	228772,	2776.7046,
6.950852			6.944971			6.939090		
18243,	227810,	2781.3491,	18281,	230310,	2778.9959,	18319,	228248,	2776.6427,
6.950697			6.944816			6.938935		
18244,	228262,	2781.2872,	18282,	230564,	2778.9340,	18320,	228062,	2776.5808,
6.950542			6.944661			6.938780		
18245,	229064,	2781.2253,	18283,	230950,	2778.8721,	18321,	228382,	2776.5188,
6.950387			6.944506			6.938626		
18246,	229892,	2781.1633,	18284,	231088,	2778.8101,	18322,	229018,	2776.4569,
6.950233			6.944352			6.938471		
18247,	230396,	2781.1014,	18285,	230892,	2778.7482,	18323,	229670,	2776.3950,
6.950078			6.944197			6.938316		
18248,	230468,	2781.0395,	18286,	230684,	2778.6863,	18324,	230108,	2776.3330,
6.949923			6.944042			6.938161		

18325,	230204,	2776.2711,	18363,	228974,	2773.9179,	18401,	230996,	2771.5647,
6.938007			6.932126			6.926245		
18326,	229866,	2776.2092,	18364,	229336,	2773.8560,	18402,	231022,	2771.5027,
6.937852			6.931971			6.926090		
18327,	229124,	2776.1473,	18365,	229788,	2773.7940,	18403,	231376,	2771.4408,
6.937697			6.931816			6.925936		
18328,	228236,	2776.0853,	18366,	230052,	2773.7321,	18404,	231690,	2771.3789,
6.937542			6.931662			6.925781		
18329,	227624,	2776.0234,	18367,	230120,	2773.6702,	18405,	231754,	2771.3170,
6.937388			6.931507			6.925626		
18330,	227580,	2775.9615,	18368,	230204,	2773.6083,	18406,	231560,	2771.2550,
6.937233			6.931352			6.925471		
18331,	227988,	2775.8996,	18369,	230416,	2773.5463,	18407,	231168,	2771.1931,
6.937078			6.931197			6.925317		
18332,	228444,	2775.8376,	18370,	230566,	2773.4844,	18408,	230600,	2771.1312,
6.936923			6.931043			6.925162		
18333,	228658,	2775.7757,	18371,	230386,	2773.4225,	18409,	229938,	2771.0693,
6.936769			6.930888			6.925007		
18334,	228740,	2775.7138,	18372,	229892,	2773.3606,	18410,	229416,	2771.0073,
6.936614			6.930733			6.924852		
18335,	229014,	2775.6519,	18373,	229464,	2773.2986,	18411,	229334,	2770.9454,
6.936459			6.930578			6.924698		
18336,	229594,	2775.5899,	18374,	229480,	2773.2367,	18412,	229816,	2770.8835,
6.936304			6.930424			6.924543		
18337,	230158,	2775.5280,	18375,	229896,	2773.1748,	18413,	230654,	2770.8216,
6.936150			6.930269			6.924388		
18338,	230240,	2775.4661,	18376,	230242,	2773.1128,	18414,	231410,	2770.7596,
6.935995			6.930114			6.924233		
18339,	229736,	2775.4041,	18377,	230064,	2773.0509,	18415,	231754,	2770.6977,
6.935840			6.929959			6.924078		
18340,	229014,	2775.3422,	18378,	229326,	2772.9890,	18416,	231656,	2770.6358,
6.935685			6.929805			6.923924		
18341,	228544,	2775.2803,	18379,	228424,	2772.9271,	18417,	231302,	2770.5738,
6.935531			6.929650			6.923769		
18342,	228404,	2775.2184,	18380,	227798,	2772.8651,	18418,	230880,	2770.5119,
6.935376			6.929495			6.923614		
18343,	228228,	2775.1564,	18381,	227628,	2772.8032,	18419,	230482,	2770.4500,
6.935221			6.929340			6.923459		
18344,	227684,	2775.0945,	18382,	227832,	2772.7413,	18420,	230150,	2770.3881,
6.935066			6.929185			6.923305		
18345,	226902,	2775.0326,	18383,	228272,	2772.6794,	18421,	229974,	2770.3261,
6.934912			6.929031			6.923150		
18346,	226348,	2774.9707,	18384,	228870,	2772.6174,	18422,	230010,	2770.2642,
6.934757			6.928876			6.922995		
18347,	226350,	2774.9087,	18385,	229524,	2772.5555,	18423,	230140,	2770.2023,
6.934602			6.928721			6.922840		
18348,	226766,	2774.8468,	18386,	230016,	2772.4936,	18424,	230122,	2770.1404,
6.934447			6.928566			6.922686		
18349,	227166,	2774.7849,	18387,	230146,	2772.4317,	18425,	229764,	2770.0784,
6.934292			6.928412			6.922531		
18350,	227336,	2774.7229,	18388,	229930,	2772.3697,	18426,	229146,	2770.0165,
6.934138			6.928257			6.922376		
18351,	227458,	2774.6610,	18389,	229662,	2772.3078,	18427,	228550,	2769.9546,
6.933983			6.928102			6.922221		
18352,	227804,	2774.5991,	18390,	229662,	2772.2459,	18428,	228226,	2769.8926,
6.933828			6.927947			6.922067		
18353,	228306,	2774.5372,	18391,	230026,	2772.1839,	18429,	228218,	2769.8307,
6.933673			6.927793			6.921912		
18354,	228562,	2774.4752,	18392,	230564,	2772.1220,	18430,	228410,	2769.7688,
6.933519			6.927638			6.921757		
18355,	228274,	2774.4133,	18393,	231092,	2772.0601,	18431,	228742,	2769.7069,
6.933364			6.927483			6.921602		
18356,	227656,	2774.3514,	18394,	231606,	2771.9982,	18432,	229264,	2769.6449,
6.933209			6.927328			6.921448		
18357,	227290,	2774.2895,	18395,	232216,	2771.9362,	18433,	230008,	2769.5830,
6.933054			6.927174			6.921293		
18358,	227540,	2774.2275,	18396,	232872,	2771.8743,	18434,	230828,	2769.5211,
6.932900			6.927019			6.921138		
18359,	228224,	2774.1656,	18397,	233274,	2771.8124,	18435,	231428,	2769.4592,
6.932745			6.926864			6.920983		
18360,	228810,	2774.1037,	18398,	233108,	2771.7505,	18436,	231656,	2769.3972,
6.932590			6.926709			6.920829		
18361,	228984,	2774.0418,	18399,	232382,	2771.6885,	18437,	231638,	2769.3353,
6.932435			6.926555			6.920674		
18362,	228906,	2773.9798,	18400,	231512,	2771.6266,	18438,	231666,	2769.2734,
6.932281			6.926400			6.920519		

18439,	231902,	2769.2115,	18477,	228090,	2766.8582,	18515,	233080,	2764.5050,
6.920364			6.914484			6.908603		
18440,	232254,	2769.1495,	18478,	228074,	2766.7963,	18516,	232378,	2764.4431,
6.920210			6.914329			6.908448		
18441,	232496,	2769.0876,	18479,	228182,	2766.7344,	18517,	231228,	2764.3812,
6.920055			6.914174			6.908293		
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6.919900			6.914019			6.908138		
18443,	232318,	2768.9637,	18481,	227808,	2766.6105,	18519,	229586,	2764.2573,
6.919745			6.913864			6.907984		
18444,	231908,	2768.9018,	18482,	227692,	2766.5486,	18520,	229870,	2764.1954,
6.919591			6.913710			6.907829		
18445,	231188,	2768.8399,	18483,	227948,	2766.4867,	18521,	230576,	2764.1334,
6.919436			6.913555			6.907674		
18446,	230126,	2768.7780,	18484,	228424,	2766.4247,	18522,	231104,	2764.0715,
6.919281			6.913400			6.907519		
18447,	228976,	2768.7160,	18485,	228760,	2766.3628,	18523,	231198,	2764.0096,
6.919126			6.913245			6.907365		
18448,	228224,	2768.6541,	18486,	228756,	2766.3009,	18524,	231084,	2763.9477,
6.918971			6.913091			6.907210		
18449,	228248,	2768.5922,	18487,	228522,	2766.2390,	18525,	231118,	2763.8857,
6.918817			6.912936			6.907055		
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6.918662			6.912781			6.906900		
18451,	229776,	2768.4683,	18489,	228470,	2766.1151,	18527,	231224,	2763.7619,
6.918507			6.912626			6.906746		
18452,	230284,	2768.4064,	18490,	228992,	2766.0532,	18528,	230640,	2763.7000,
6.918352			6.912472			6.906591		
18453,	230384,	2768.3445,	18491,	229922,	2765.9913,	18529,	229760,	2763.6380,
6.918198			6.912317			6.906436		
18454,	230346,	2768.2825,	18492,	231152,	2765.9293,	18530,	229128,	2763.5761,
6.918043			6.912162			6.906281		
18455,	230354,	2768.2206,	18493,	232410,	2765.8674,	18531,	229076,	2763.5142,
6.917888			6.912007			6.906127		
18456,	230304,	2768.1587,	18494,	233290,	2765.8055,	18532,	229350,	2763.4523,
6.917733			6.911853			6.905972		
18457,	229948,	2768.0968,	18495,	233506,	2765.7435,	18533,	229400,	2763.3903,
6.917579			6.911698			6.905817		
18458,	229308,	2768.0348,	18496,	233162,	2765.6816,	18534,	228930,	2763.3284,
6.917424			6.911543			6.905662		
18459,	228704,	2767.9729,	18497,	232694,	2765.6197,	18535,	228206,	2763.2665,
6.917269			6.911388			6.905508		
18460,	228470,	2767.9110,	18498,	232524,	2765.5578,	18536,	227762,	2763.2045,
6.917114			6.911234			6.905353		
18461,	228562,	2767.8491,	18499,	232680,	2765.4958,	18537,	227868,	2763.1426,
6.916960			6.911079			6.905198		
18462,	228640,	2767.7871,	18500,	232806,	2765.4339,	18538,	228376,	2763.0807,
6.916805			6.910924			6.905043		
18463,	228500,	2767.7252,	18501,	232564,	2765.3720,	18539,	228980,	2763.0188,
6.916650			6.910769			6.904889		
18464,	228358,	2767.6633,	18502,	231980,	2765.3101,	18540,	229578,	2762.9568,
6.916495			6.910615			6.904734		
18465,	228610,	2767.6014,	18503,	231420,	2765.2481,	18541,	230250,	2762.8949,
6.916341			6.910460			6.904579		
18466,	229276,	2767.5394,	18504,	231232,	2765.1862,	18542,	230972,	2762.8330,
6.916186			6.910305			6.904424		
18467,	229854,	2767.4775,	18505,	231436,	2765.1243,	18543,	231484,	2762.7711,
6.916031			6.910150			6.904269		
18468,	229738,	2767.4156,	18506,	231796,	2765.0624,	18544,	231528,	2762.7091,
6.915876			6.909996			6.904115		
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6.915722			6.909841			6.903960		
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6.915567			6.909686			6.903805		
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6.915412			6.909531			6.903650		
18472,	228502,	2767.1679,	18510,	232880,	2764.8146,	18548,	231238,	2762.4614,
6.915257			6.909376			6.903496		
18473,	229404,	2767.1059,	18511,	233088,	2764.7527,	18549,	231408,	2762.3995,
6.915103			6.909222			6.903341		
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6.914948			6.909067			6.903186		
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6.914793			6.908912			6.903031		
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6.914638			6.908757			6.902877		

18553,	231614,	2762.1518,	18591,	233482,	2759.7986,	18629,	231358,	2757.4453,
6.902722			6.896841			6.890960		
18554,	232656,	2762.0899,	18592,	233746,	2759.7366,	18630,	231742,	2757.3834,
6.902567			6.896686			6.890806		
18555,	233440,	2762.0279,	18593,	233580,	2759.6747,	18631,	232062,	2757.3215,
6.902412			6.896532			6.890651		
18556,	233568,	2761.9660,	18594,	232956,	2759.6128,	18632,	232174,	2757.2596,
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6.901948			6.896067			6.890187		
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18560,	231022,	2761.7183,	18598,	231366,	2759.3651,	18636,	234102,	2757.0119,
6.901639			6.895758			6.889877		
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6.901484			6.895603			6.889722		
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6.901329			6.895448			6.889568		
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6.901174			6.895294			6.889413		
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6.901020			6.895139			6.889258		
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6.900865			6.894984			6.889103		
18566,	232308,	2761.3467,	18604,	229578,	2758.9935,	18642,	231938,	2756.6403,
6.900710			6.894829			6.888948		
18567,	232350,	2761.2848,	18605,	229294,	2758.9316,	18643,	231402,	2756.5784,
6.900555			6.894675			6.888794		
18568,	232476,	2761.2229,	18606,	229458,	2758.8697,	18644,	231324,	2756.5164,
6.900401			6.894520			6.888639		
18569,	232832,	2761.1610,	18607,	230144,	2758.8077,	18645,	231798,	2756.4545,
6.900246			6.894365			6.888484		
18570,	233220,	2761.0990,	18608,	230960,	2758.7458,	18646,	232580,	2756.3926,
6.900091			6.894210			6.888329		
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6.899936			6.894055			6.888175		
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6.899782			6.893901			6.888020		
18573,	232620,	2760.9132,	18611,	231066,	2758.5600,	18649,	233908,	2756.2068,
6.899627			6.893746			6.887865		
18574,	232334,	2760.8513,	18612,	231140,	2758.4981,	18650,	234018,	2756.1449,
6.899472			6.893591			6.887710		
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6.899317			6.893436			6.887556		
18576,	232110,	2760.7275,	18614,	232180,	2758.3742,	18652,	234002,	2756.0210,
6.899162			6.893282			6.887401		
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6.899008			6.893127			6.887246		
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18579,	232604,	2760.5417,	18617,	233410,	2758.1885,	18655,	234518,	2755.8352,
6.898698			6.892817			6.886937		
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6.898234			6.892353			6.886472		
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18667,	235446,	2755.0921,	18705,	234376,	2752.7389,	18743,	233504,	2750.3857,
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18670,	234314,	2754.9063,	18708,	233830,	2752.5531,	18746,	232942,	2750.1999,
6.884615			6.878734			6.872854		
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6.883532			6.877651			6.871770		
18678,	235524,	2754.4109,	18716,	233836,	2752.0577,	18754,	235906,	2749.7045,
6.883377			6.877496			6.871616		
18679,	235566,	2754.3490,	18717,	234468,	2751.9958,	18755,	236506,	2749.6426,
6.883222			6.877342			6.871461		
18680,	234990,	2754.2871,	18718,	234482,	2751.9338,	18756,	237032,	2749.5806,
6.883068			6.877187			6.871306		
18681,	234062,	2754.2251,	18719,	234154,	2751.8719,	18757,	237476,	2749.5187,
6.882913			6.877032			6.871151		
18682,	233300,	2754.1632,	18720,	234078,	2751.8100,	18758,	238024,	2749.4568,
6.882758			6.876877			6.870997		
18683,	233012,	2754.1013,	18721,	234514,	2751.7481,	18759,	238804,	2749.3948,
6.882603			6.876723			6.870842		
18684,	233042,	2754.0394,	18722,	235088,	2751.6861,	18760,	239670,	2749.3329,
6.882449			6.876568			6.870687		
18685,	233046,	2753.9774,	18723,	235240,	2751.6242,	18761,	240358,	2749.2710,
6.882294			6.876413			6.870532		
18686,	232888,	2753.9155,	18724,	234850,	2751.5623,	18762,	240736,	2749.2091,
6.882139			6.876258			6.870378		
18687,	232748,	2753.8536,	18725,	234378,	2751.5004,	18763,	240854,	2749.1471,
6.881984			6.876104			6.870223		
18688,	232814,	2753.7917,	18726,	234368,	2751.4384,	18764,	240822,	2749.0852,
6.881830			6.875949			6.870068		
18689,	233008,	2753.7297,	18727,	234874,	2751.3765,	18765,	240620,	2749.0233,
6.881675			6.875794			6.869913		
18690,	233038,	2753.6678,	18728,	235464,	2751.3146,	18766,	240176,	2748.9614,
6.881520			6.875639			6.869759		
18691,	232810,	2753.6059,	18729,	235738,	2751.2527,	18767,	239542,	2748.8994,
6.881365			6.875485			6.869604		
18692,	232574,	2753.5439,	18730,	235740,	2751.1907,	18768,	238956,	2748.8375,
6.881211			6.875330			6.869449		
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6.881056			6.875175			6.869294		
18694,	233322,	2753.4201,	18732,	236160,	2751.0669,	18770,	238548,	2748.7136,
6.880901			6.875020			6.869139		
18695,	234146,	2753.3582,	18733,	236540,	2751.0049,	18771,	238416,	2748.6517,
6.880746			6.874866			6.868985		
18696,	234822,	2753.2962,	18734,	236638,	2750.9430,	18772,	237980,	2748.5898,
6.880592			6.874711			6.868830		
18697,	235202,	2753.2343,	18735,	236446,	2750.8811,	18773,	237266,	2748.5279,
6.880437			6.874556			6.868675		
18698,	235378,	2753.1724,	18736,	236298,	2750.8192,	18774,	236506,	2748.4659,
6.880282			6.874401			6.868520		
18699,	235398,	2753.1105,	18737,	236456,	2750.7572,	18775,	235894,	2748.4040,
6.880127			6.874247			6.868366		
18700,	235170,	2753.0485,	18738,	236756,	2750.6953,	18776,	235436,	2748.3421,
6.879973			6.874092			6.868211		
18701,	234610,	2752.9866,	18739,	236736,	2750.6334,	18777,	235046,	2748.2802,
6.879818			6.873937			6.868056		
18702,	233958,	2752.9247,	18740,	236106,	2750.5715,	18778,	234728,	2748.2182,
6.879663			6.873782			6.867901		
18703,	233626,	2752.8627,	18741,	235066,	2750.5095,	18779,	234572,	2748.1563,
6.879508			6.873627			6.867747		
18704,	233858,	2752.8008,	18742,	234096,	2750.4476,	18780,	234586,	2748.0944,
6.879354			6.873473			6.867592		



18781,	234580,	2748.0325,	18819,	233802,	2745.6792,	18857,	235268,	2743.3260,
6.867437			6.861556			6.855676		
18782,	234388,	2747.9705,	18820,	234344,	2745.6173,	18858,	235474,	2743.2641,
6.867282			6.861402			6.855521		
18783,	234080,	2747.9086,	18821,	234666,	2745.5554,	18859,	235094,	2743.2022,
6.867128			6.861247			6.855366		
18784,	233990,	2747.8467,	18822,	234850,	2745.4934,	18860,	234502,	2743.1402,
6.866973			6.861092			6.855211		
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6.866818			6.860937			6.855057		
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6.866663			6.860783			6.854902		
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6.866509			6.860628			6.854747		
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6.866354			6.860473			6.854592		
18789,	234098,	2747.5370,	18827,	234456,	2745.1838,	18865,	234618,	2742.8306,
6.866199			6.860318			6.854438		
18790,	233468,	2747.4751,	18828,	234506,	2745.1219,	18866,	234604,	2742.7687,
6.866044			6.860164			6.854283		
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6.865890			6.860009			6.854128		
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6.865735			6.859854			6.853973		
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6.865580			6.859699			6.853818		
18794,	234912,	2747.2274,	18832,	236920,	2744.8742,	18870,	235566,	2742.5210,
6.865425			6.859545			6.853664		
18795,	234956,	2747.1655,	18833,	237016,	2744.8123,	18871,	235456,	2742.4590,
6.865271			6.859390			6.853509		
18796,	235024,	2747.1035,	18834,	237060,	2744.7503,	18872,	235522,	2742.3971,
6.865116			6.859235			6.853354		
18797,	235254,	2747.0416,	18835,	237152,	2744.6884,	18873,	235738,	2742.3352,
6.864961			6.859080			6.853199		
18798,	235516,	2746.9797,	18836,	237236,	2744.6265,	18874,	235830,	2742.2732,
6.864806			6.858925			6.853045		
18799,	235622,	2746.9178,	18837,	237202,	2744.5645,	18875,	235622,	2742.2113,
6.864652			6.858771			6.852890		
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6.864497			6.858616			6.852735		
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6.864342			6.858461			6.852580		
18802,	236048,	2746.7320,	18840,	236172,	2744.3788,	18878,	234920,	2742.0255,
6.864187			6.858306			6.852426		
18803,	236292,	2746.6701,	18841,	235468,	2744.3168,	18879,	234920,	2741.9636,
6.864032			6.858152			6.852271		
18804,	236138,	2746.6081,	18842,	234692,	2744.2549,	18880,	234790,	2741.9017,
6.863878			6.857997			6.852116		
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6.863723			6.857842			6.851961		
18806,	234838,	2746.4843,	18844,	233954,	2744.1311,	18882,	234532,	2741.7778,
6.863568			6.857687			6.851807		
18807,	234510,	2746.4224,	18845,	234148,	2744.0691,	18883,	234786,	2741.7159,
6.863413			6.857533			6.851652		
18808,	234628,	2746.3604,	18846,	234388,	2744.0072,	18884,	235228,	2741.6540,
6.863259			6.857378			6.851497		
18809,	234856,	2746.2985,	18847,	234462,	2743.9453,	18885,	235610,	2741.5921,
6.863104			6.857223			6.851342		
18810,	234752,	2746.2366,	18848,	234496,	2743.8833,	18886,	235916,	2741.5301,
6.862949			6.857068			6.851188		
18811,	234198,	2746.1746,	18849,	234806,	2743.8214,	18887,	236390,	2741.4682,
6.862794			6.856914			6.851033		
18812,	233434,	2746.1127,	18850,	235476,	2743.7595,	18888,	237238,	2741.4063,
6.862640			6.856759			6.850878		
18813,	232798,	2746.0508,	18851,	236124,	2743.6976,	18889,	238334,	2741.3443,
6.862485			6.856604			6.850723		
18814,	232426,	2745.9889,	18852,	236212,	2743.6356,	18890,	239228,	2741.2824,
6.862330			6.856449			6.850569		
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6.862175			6.856295			6.850414		
18816,	232338,	2745.8650,	18854,	234762,	2743.5118,	18892,	239112,	2741.1586,
6.862021			6.856140			6.850259		
18817,	232624,	2745.8031,	18855,	234380,	2743.4499,	18893,	238266,	2741.0966,
6.861866			6.855985			6.850104		
18818,	233158,	2745.7412,	18856,	234690,	2743.3879,	18894,	237224,	2741.0347,
6.861711			6.855830			6.849950		

18895,	236094,	2740.9728,	18933,	235852,	2738.6196,	18971,	237910,	2736.2663,
6.849795			6.843914			6.838033		
18896,	234944,	2740.9109,	18934,	236060,	2738.5576,	18972,	237974,	2736.2044,
6.849640			6.843759			6.837878		
18897,	233954,	2740.8489,	18935,	235830,	2738.4957,	18973,	237908,	2736.1425,
6.849485			6.843604			6.837724		
18898,	233338,	2740.7870,	18936,	235714,	2738.4338,	18974,	237954,	2736.0806,
6.849331			6.843450			6.837569		
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6.849021			6.843140			6.837259		
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6.848711			6.842831			6.836950		
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6.848402			6.842521			6.836640		
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6.848247			6.842366			6.836486		
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6.848092			6.842212			6.836331		
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6.847938			6.842057			6.836176		
18908,	233302,	2740.1677,	18946,	240036,	2737.8145,	18984,	239350,	2735.4613,
6.847783			6.841902			6.836021		
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6.847628			6.841747			6.835867		
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6.847473			6.841593			6.835712		
18911,	234610,	2739.9820,	18949,	239028,	2737.6287,	18987,	240286,	2735.2755,
6.847319			6.841438			6.835557		
18912,	235094,	2739.9200,	18950,	238702,	2737.5668,	18988,	241072,	2735.2136,
6.847164			6.841283			6.835402		
18913,	235174,	2739.8581,	18951,	238476,	2737.5049,	18989,	241528,	2735.1517,
6.847009			6.841128			6.835248		
18914,	235226,	2739.7962,	18952,	238448,	2737.4430,	18990,	241578,	2735.0897,
6.846854			6.840974			6.835093		
18915,	235660,	2739.7342,	18953,	238678,	2737.3810,	18991,	241454,	2735.0278,
6.846700			6.840819			6.834938		
18916,	236416,	2739.6723,	18954,	239016,	2737.3191,	18992,	241404,	2734.9659,
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6.846235			6.840355			6.834474		
18919,	236136,	2739.4865,	18957,	238646,	2737.1333,	18995,	241112,	2734.7801,
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6.845771			6.839890			6.834010		
18922,	235948,	2739.3008,	18960,	239050,	2736.9475,	18998,	240838,	2734.5943,
6.845616			6.839736			6.833855		
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6.845462			6.839581			6.833700		
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6.845307			6.839426			6.833545		
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19009,	239956,	2733.9131,	19047,	241244,	2731.5599,	19085,	238362,	2729.2067,
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6.831843			6.825962			6.820081		
19012,	238618,	2733.7273,	19050,	238326,	2731.3741,	19088,	238790,	2729.0209,
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6.831533			6.825653			6.819772		
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6.831224			6.825343			6.819462		
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6.830914			6.825034			6.819153		
19018,	238704,	2733.3558,	19056,	237226,	2731.0026,	19094,	237638,	2728.6493,
6.830760			6.824879			6.818998		
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6.830605			6.824724			6.818843		
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19021,	239866,	2733.1700,	19059,	236958,	2730.8168,	19097,	238666,	2728.4635,
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6.830141			6.824260			6.818379		
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6.829986			6.824105			6.818224		
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6.829831			6.823950			6.818069		
19025,	239456,	2732.9223,	19063,	237486,	2730.5691,	19101,	240248,	2728.2158,
6.829676			6.823795			6.817915		
19026,	239544,	2732.8604,	19064,	237670,	2730.5071,	19102,	240802,	2728.1539,
6.829522			6.823641			6.817760		
19027,	239240,	2732.7984,	19065,	237658,	2730.4452,	19103,	240810,	2728.0920,
6.829367			6.823486			6.817605		
19028,	238790,	2732.7365,	19066,	237762,	2730.3833,	19104,	240514,	2728.0301,
6.829212			6.823331			6.817450		
19029,	238508,	2732.6746,	19067,	238194,	2730.3214,	19105,	240322,	2727.9681,
6.829057			6.823176			6.817296		
19030,	238430,	2732.6127,	19068,	238812,	2730.2594,	19106,	240416,	2727.9062,
6.828903			6.823022			6.817141		
19031,	238362,	2732.5507,	19069,	239282,	2730.1975,	19107,	240692,	2727.8443,
6.828748			6.822867			6.816986		
19032,	238184,	2732.4888,	19070,	239448,	2730.1356,	19108,	240972,	2727.7824,
6.828593			6.822712			6.816831		
19033,	238056,	2732.4269,	19071,	239472,	2730.0736,	19109,	241230,	2727.7204,
6.828438			6.822557			6.816677		
19034,	238194,	2732.3649,	19072,	239572,	2730.0117,	19110,	241520,	2727.6585,
6.828283			6.822403			6.816522		
19035,	238574,	2732.3030,	19073,	239690,	2729.9498,	19111,	241788,	2727.5966,
6.828129			6.822248			6.816367		
19036,	238902,	2732.2411,	19074,	239522,	2729.8879,	19112,	241890,	2727.5346,
6.827974			6.822093			6.816212		
19037,	238920,	2732.1792,	19075,	238926,	2729.8259,	19113,	241756,	2727.4727,
6.827819			6.821938			6.816058		
19038,	238726,	2732.1172,	19076,	238188,	2729.7640,	19114,	241512,	2727.4108,
6.827664			6.821784			6.815903		
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6.827510			6.821629			6.815748		
19040,	239122,	2731.9934,	19078,	237980,	2729.6402,	19116,	241164,	2727.2869,
6.827355			6.821474			6.815593		
19041,	239918,	2731.9315,	19079,	238404,	2729.5782,	19117,	240858,	2727.2250,
6.827200			6.821319			6.815439		
19042,	240776,	2731.8695,	19080,	238566,	2729.5163,	19118,	240314,	2727.1631,
6.827045			6.821165			6.815284		
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6.826891			6.821010			6.815129		
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6.826736			6.820855			6.814974		
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6.826581			6.820700			6.814820		
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6.826426			6.820546			6.814665		

19123,	240956,	2726.8534,	19161,	239324,	2724.5002,	19199,	243416,	2722.1470,
6.814510			6.808629			6.802748		
19124,	240840,	2726.7915,	19162,	239592,	2724.4383,	19200,	242512,	2722.0851,
6.814355			6.808474			6.802594		
19125,	240584,	2726.7296,	19163,	240204,	2724.3764,	19201,	241562,	2722.0232,
6.814201			6.808320			6.802439		
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6.814046			6.808165			6.802284		
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6.813891			6.808010			6.802129		
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6.813736			6.807855			6.801975		
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19132,	240984,	2726.2961,	19170,	242258,	2723.9429,	19208,	242048,	2721.5897,
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19135,	240784,	2726.1103,	19173,	242834,	2723.7571,	19211,	242376,	2721.4039,
6.812653			6.806772			6.800891		
19136,	240416,	2726.0484,	19174,	242746,	2723.6952,	19212,	242174,	2721.3420,
6.812498			6.806617			6.800737		
19137,	240500,	2725.9865,	19175,	242908,	2723.6333,	19213,	242100,	2721.2800,
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6.812189			6.806308			6.800427		
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6.812034			6.806153			6.800272		
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19143,	241886,	2725.6149,	19181,	243322,	2723.2617,	19219,	242634,	2720.9085,
6.811415			6.805534			6.799653		
19144,	241986,	2725.5530,	19182,	243466,	2723.1998,	19220,	242560,	2720.8465,
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19145,	242010,	2725.4911,	19183,	243506,	2723.1378,	19221,	242316,	2720.7846,
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6.810951			6.805070			6.799189		
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19237,	244966,	2719.7938,	19275,	242604,	2717.4406,	19313,	243518,	2715.0873,
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19238,	244182,	2719.7319,	19276,	242034,	2717.3786,	19314,	243212,	2715.0254,
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19239,	243360,	2719.6699,	19277,	241490,	2717.3167,	19315,	242924,	2714.9635,
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19240,	242880,	2719.6080,	19278,	241282,	2717.2548,	19316,	243096,	2714.9016,
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19245,	240984,	2719.2984,	19283,	243036,	2716.9451,	19321,	245574,	2714.5919,
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19246,	240610,	2719.2364,	19284,	243718,	2716.8832,	19322,	245632,	2714.5300,
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19247,	240604,	2719.1745,	19285,	244348,	2716.8213,	19323,	245500,	2714.4681,
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6.794856			6.788975			6.783094		
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6.794701			6.788820			6.782939		
19252,	243294,	2718.8649,	19290,	246534,	2716.5117,	19328,	241494,	2714.1584,
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19255,	242044,	2718.6791,	19293,	247352,	2716.3259,	19331,	241828,	2713.9727,
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19257,	242088,	2718.5552,	19295,	246674,	2716.2020,	19333,	243270,	2713.8488,
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19259,	242172,	2718.4314,	19297,	245648,	2716.0782,	19335,	244048,	2713.7249,
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19370,	244334,	2711.5575,	19408,	245848,	2709.2043,	19446,	243960,	2706.8511,
6.776285			6.770404			6.764523		
19371,	243386,	2711.4956,	19409,	245662,	2709.1424,	19447,	243954,	2706.7891,
6.776130			6.770249			6.764369		
19372,	242494,	2711.4337,	19410,	245318,	2709.0804,	19448,	243906,	2706.7272,
6.775975			6.770095			6.764214		
19373,	241948,	2711.3717,	19411,	244656,	2709.0185,	19449,	243754,	2706.6653,
6.775821			6.769940			6.764059		
19374,	241942,	2711.3098,	19412,	243948,	2708.9566,	19450,	243764,	2706.6034,
6.775666			6.769785			6.763904		
19375,	242408,	2711.2479,	19413,	243644,	2708.8946,	19451,	244164,	2706.5414,
6.775511			6.769630			6.763750		
19376,	243004,	2711.1859,	19414,	243914,	2708.8327,	19452,	244850,	2706.4795,
6.775356			6.769476			6.763595		
19377,	243334,	2711.1240,	19415,	244482,	2708.7708,	19453,	245402,	2706.4176,
6.775202			6.769321			6.763440		
19378,	243254,	2711.0621,	19416,	244914,	2708.7089,	19454,	245550,	2706.3556,
6.775047			6.769166			6.763285		
19379,	242996,	2711.0002,	19417,	245032,	2708.6469,	19455,	245472,	2706.2937,
6.774892			6.769011			6.763130		
19380,	242932,	2710.9382,	19418,	244952,	2708.5850,	19456,	245576,	2706.2318,
6.774737			6.768857			6.762976		
19381,	243220,	2710.8763,	19419,	244836,	2708.5231,	19457,	246008,	2706.1699,
6.774583			6.768702			6.762821		
19382,	243682,	2710.8144,	19420,	244682,	2708.4612,	19458,	246432,	2706.1079,
6.774428			6.768547			6.762666		
19383,	244020,	2710.7525,	19421,	244418,	2708.3992,	19459,	246398,	2706.0460,
6.774273			6.768392			6.762511		
19384,	244160,	2710.6905,	19422,	244176,	2708.3373,	19460,	245842,	2705.9841,
6.774118			6.768237			6.762357		
19385,	244266,	2710.6286,	19423,	244276,	2708.2754,	19461,	245218,	2705.9222,
6.773964			6.768083			6.762202		
19386,	244490,	2710.5667,	19424,	244908,	2708.2135,	19462,	245050,	2705.8602,
6.773809			6.767928			6.762047		
19387,	244748,	2710.5047,	19425,	245840,	2708.1515,	19463,	245428,	2705.7983,
6.773654			6.767773			6.761892		
19388,	244804,	2710.4428,	19426,	246530,	2708.0896,	19464,	245950,	2705.7364,
6.773499			6.767618			6.761738		

19465,	246190,	2705.6744,	19503,	248074,	2703.3212,	19541,	248572,	2700.9680,
6.761583			6.755702			6.749821		
19466,	246102,	2705.6125,	19504,	246940,	2703.2593,	19542,	248730,	2700.9061,
6.761428			6.755547			6.749667		
19467,	245986,	2705.5506,	19505,	246260,	2703.1974,	19543,	248998,	2700.8441,
6.761273			6.755393			6.749512		
19468,	246074,	2705.4887,	19506,	246322,	2703.1354,	19544,	249316,	2700.7822,
6.761119			6.755238			6.749357		
19469,	246278,	2705.4267,	19507,	246800,	2703.0735,	19545,	249558,	2700.7203,
6.760964			6.755083			6.749202		
19470,	246342,	2705.3648,	19508,	247132,	2703.0116,	19546,	249664,	2700.6584,
6.760809			6.754928			6.749048		
19471,	246224,	2705.3029,	19509,	247082,	2702.9497,	19547,	249706,	2700.5964,
6.760654			6.754774			6.748893		
19472,	246174,	2705.2410,	19510,	246852,	2702.8877,	19548,	249794,	2700.5345,
6.760500			6.754619			6.748738		
19473,	246438,	2705.1790,	19511,	246774,	2702.8258,	19549,	249958,	2700.4726,
6.760345			6.754464			6.748583		
19474,	246946,	2705.1171,	19512,	246864,	2702.7639,	19550,	250120,	2700.4107,
6.760190			6.754309			6.748429		
19475,	247324,	2705.0552,	19513,	246866,	2702.7020,	19551,	250242,	2700.3487,
6.760035			6.754155			6.748274		
19476,	247286,	2704.9933,	19514,	246582,	2702.6400,	19552,	250366,	2700.2868,
6.759881			6.754000			6.748119		
19477,	246886,	2704.9313,	19515,	246134,	2702.5781,	19553,	250548,	2700.2249,
6.759726			6.753845			6.747964		
19478,	246448,	2704.8694,	19516,	245826,	2702.5162,	19554,	250690,	2700.1630,
6.759571			6.753690			6.747809		
19479,	246206,	2704.8075,	19517,	245800,	2702.4542,	19555,	250542,	2700.1010,
6.759416			6.753536			6.747655		
19480,	246100,	2704.7455,	19518,	245924,	2702.3923,	19556,	249976,	2700.0391,
6.759262			6.753381			6.747500		
19481,	245962,	2704.6836,	19519,	245988,	2702.3304,	19557,	249182,	2699.9772,
6.759107			6.753226			6.747345		
19482,	245732,	2704.6217,	19520,	245994,	2702.2685,	19558,	248584,	2699.9152,
6.758952			6.753071			6.747190		
19483,	245530,	2704.5598,	19521,	246106,	2702.2065,	19559,	248442,	2699.8533,
6.758797			6.752916			6.747036		
19484,	245456,	2704.4978,	19522,	246398,	2702.1446,	19560,	248634,	2699.7914,
6.758643			6.752762			6.746881		
19485,	245462,	2704.4359,	19523,	246700,	2702.0827,	19561,	248780,	2699.7295,
6.758488			6.752607			6.746726		
19486,	245452,	2704.3740,	19524,	246764,	2702.0208,	19562,	248664,	2699.6675,
6.758333			6.752452			6.746571		
19487,	245492,	2704.3121,	19525,	246614,	2701.9588,	19563,	248414,	2699.6056,
6.758178			6.752297			6.746417		
19488,	245784,	2704.2501,	19526,	246570,	2701.8969,	19564,	248300,	2699.5437,
6.758023			6.752143			6.746262		
19489,	246454,	2704.1882,	19527,	246932,	2701.8350,	19565,	248312,	2699.4818,
6.757869			6.751988			6.746107		
19490,	247326,	2704.1263,	19528,	247628,	2701.7731,	19566,	248100,	2699.4198,
6.757714			6.751833			6.745952		
19491,	248050,	2704.0643,	19529,	248230,	2701.7111,	19567,	247410,	2699.3579,
6.757559			6.751678			6.745798		
19492,	248396,	2704.0024,	19530,	248334,	2701.6492,	19568,	246460,	2699.2960,
6.757404			6.751524			6.745643		
19493,	248466,	2703.9405,	19531,	247974,	2701.5873,	19569,	245906,	2699.2341,
6.757250			6.751369			6.745488		
19494,	248504,	2703.8786,	19532,	247560,	2701.5253,	19570,	246248,	2699.1721,
6.757095			6.751214			6.745333		
19495,	248592,	2703.8166,	19533,	247496,	2701.4634,	19571,	247336,	2699.1102,
6.756940			6.751059			6.745179		
19496,	248590,	2703.7547,	19534,	247836,	2701.4015,	19572,	248470,	2699.0483,
6.756785			6.750905			6.745024		
19497,	248400,	2703.6928,	19535,	248302,	2701.3396,	19573,	249038,	2698.9863,
6.756631			6.750750			6.744869		
19498,	248198,	2703.6309,	19536,	248602,	2701.2776,	19574,	248990,	2698.9244,
6.756476			6.750595			6.744714		
19499,	248298,	2703.5689,	19537,	248654,	2701.2157,	19575,	248756,	2698.8625,
6.756321			6.750440			6.744560		
19500,	248748,	2703.5070,	19538,	248582,	2701.1538,	19576,	248700,	2698.8006,
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19501,	249158,	2703.4451,	19539,	248516,	2701.0919,	19577,	248778,	2698.7386,
6.756012			6.750131			6.744250		
19502,	248974,	2703.3832,	19540,	248510,	2701.0299,	19578,	248678,	2698.6767,
6.755857			6.749976			6.744095		

19579,	248292,	2698.6148,	19617,	246438,	2696.2616,	19655,	248146,	2693.9083,
6.743941			6.738060			6.732179		
19580,	247826,	2698.5529,	19618,	245732,	2696.1996,	19656,	247930,	2693.8464,
6.743786			6.737905			6.732024		
19581,	247562,	2698.4909,	19619,	245552,	2696.1377,	19657,	248042,	2693.7845,
6.743631			6.737750			6.731869		
19582,	247524,	2698.4290,	19620,	245878,	2696.0758,	19658,	248318,	2693.7226,
6.743476			6.737595			6.731715		
19583,	247502,	2698.3671,	19621,	246330,	2696.0139,	19659,	248506,	2693.6606,
6.743322			6.737441			6.731560		
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6.743167			6.737286			6.731405		
19585,	247446,	2698.2432,	19623,	246802,	2695.8900,	19661,	248722,	2693.5368,
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19586,	247892,	2698.1813,	19624,	247202,	2695.8281,	19662,	249152,	2693.4748,
6.742857			6.736976			6.731096		
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6.742702			6.736822			6.730941		
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6.742548			6.736667			6.730786		
19589,	249258,	2697.9955,	19627,	248892,	2695.6423,	19665,	250082,	2693.2891,
6.742393			6.736512			6.730631		
19590,	248648,	2697.9336,	19628,	248638,	2695.5804,	19666,	249698,	2693.2271,
6.742238			6.736357			6.730477		
19591,	247992,	2697.8717,	19629,	248168,	2695.5184,	19667,	249302,	2693.1652,
6.742083			6.736203			6.730322		
19592,	247840,	2697.8097,	19630,	247914,	2695.4565,	19668,	249070,	2693.1033,
6.741929			6.736048			6.730167		
19593,	248216,	2697.7478,	19631,	248032,	2695.3946,	19669,	248888,	2693.0414,
6.741774			6.735893			6.730012		
19594,	248654,	2697.6859,	19632,	248376,	2695.3327,	19670,	248550,	2692.9794,
6.741619			6.735738			6.729858		
19595,	248690,	2697.6240,	19633,	248784,	2695.2707,	19671,	248068,	2692.9175,
6.741464			6.735584			6.729703		
19596,	248296,	2697.5620,	19634,	249298,	2695.2088,	19672,	247688,	2692.8556,
6.741310			6.735429			6.729548		
19597,	247836,	2697.5001,	19635,	250070,	2695.1469,	19673,	247578,	2692.7937,
6.741155			6.735274			6.729393		
19598,	247640,	2697.4382,	19636,	251090,	2695.0849,	19674,	247608,	2692.7317,
6.741000			6.735119			6.729239		
19599,	247702,	2697.3762,	19637,	252084,	2695.0230,	19675,	247490,	2692.6698,
6.740845			6.734965			6.729084		
19600,	247840,	2697.3143,	19638,	252742,	2694.9611,	19676,	247120,	2692.6079,
6.740691			6.734810			6.728929		
19601,	247936,	2697.2524,	19639,	252972,	2694.8992,	19677,	246788,	2692.5459,
6.740536			6.734655			6.728774		
19602,	248074,	2697.1905,	19640,	252932,	2694.8372,	19678,	246872,	2692.4840,
6.740381			6.734500			6.728620		
19603,	248348,	2697.1285,	19641,	252784,	2694.7753,	19679,	247464,	2692.4221,
6.740226			6.734346			6.728465		
19604,	248674,	2697.0666,	19642,	252512,	2694.7134,	19680,	248234,	2692.3602,
6.740072			6.734191			6.728310		
19605,	248858,	2697.0047,	19643,	251966,	2694.6515,	19681,	248786,	2692.2982,
6.739917			6.734036			6.728155		
19606,	248824,	2696.9428,	19644,	251126,	2694.5895,	19682,	249050,	2692.2363,
6.739762			6.733881			6.728000		
19607,	248696,	2696.8808,	19645,	250186,	2694.5276,	19683,	249268,	2692.1744,
6.739607			6.733727			6.727846		
19608,	248620,	2696.8189,	19646,	249414,	2694.4657,	19684,	249620,	2692.1125,
6.739453			6.733572			6.727691		
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6.739298			6.733417			6.727536		
19610,	248324,	2696.6950,	19648,	248704,	2694.3418,	19686,	249916,	2691.9886,
6.739143			6.733262			6.727381		
19611,	247906,	2696.6331,	19649,	248612,	2694.2799,	19687,	249416,	2691.9267,
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19612,	247516,	2696.5712,	19650,	248648,	2694.2180,	19688,	248832,	2691.8647,
6.738834			6.732953			6.727072		
19613,	247418,	2696.5093,	19651,	248804,	2694.1560,	19689,	248724,	2691.8028,
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19614,	247580,	2696.4473,	19652,	248952,	2694.0941,	19690,	249334,	2691.7409,
6.738524			6.732643			6.726762		
19615,	247632,	2696.3854,	19653,	248900,	2694.0322,	19691,	250394,	2691.6790,
6.738369			6.732488			6.726608		
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6.738215			6.732334			6.726453		



19693,	252012,	2691.5551,	19731,	250652,	2689.2019,	19769,	249228,	2686.8487,
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19694,	252330,	2691.4932,	19732,	249988,	2689.1400,	19770,	249302,	2686.7867,
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19695,	252512,	2691.4313,	19733,	249374,	2689.0780,	19771,	249726,	2686.7248,
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6.725834			6.719953			6.714072		
19697,	252546,	2691.3074,	19735,	248174,	2688.9542,	19773,	249960,	2686.6010,
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6.725370			6.719489			6.713608		
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19703,	252526,	2690.9358,	19741,	249958,	2688.5826,	19779,	250742,	2686.2294,
6.724751			6.718870			6.712989		
19704,	252398,	2690.8739,	19742,	249936,	2688.5207,	19780,	251504,	2686.1675,
6.724596			6.718715			6.712834		
19705,	252334,	2690.8120,	19743,	249836,	2688.4588,	19781,	252264,	2686.1055,
6.724441			6.718560			6.712679		
19706,	252454,	2690.7501,	19744,	249792,	2688.3968,	19782,	253016,	2686.0436,
6.724286			6.718406			6.712525		
19707,	252656,	2690.6881,	19745,	249782,	2688.3349,	19783,	253578,	2685.9817,
6.724132			6.718251			6.712370		
19708,	252788,	2690.6262,	19746,	249794,	2688.2730,	19784,	253802,	2685.9198,
6.723977			6.718096			6.712215		
19709,	252822,	2690.5643,	19747,	249906,	2688.2111,	19785,	253798,	2685.8578,
6.723822			6.717941			6.712060		
19710,	252904,	2690.5024,	19748,	250170,	2688.1491,	19786,	253788,	2685.7959,
6.723667			6.717786			6.711906		
19711,	253084,	2690.4404,	19749,	250406,	2688.0872,	19787,	253804,	2685.7340,
6.723513			6.717632			6.711751		
19712,	253192,	2690.3785,	19750,	250306,	2688.0253,	19788,	253604,	2685.6721,
6.723358			6.717477			6.711596		
19713,	253002,	2690.3166,	19751,	249782,	2687.9634,	19789,	253014,	2685.6101,
6.723203			6.717322			6.711441		
19714,	252496,	2690.2546,	19752,	249200,	2687.9014,	19790,	252262,	2685.5482,
6.723048			6.717167			6.711287		
19715,	251954,	2690.1927,	19753,	249156,	2687.8395,	19791,	251888,	2685.4863,
6.722893			6.717013			6.711132		
19716,	251718,	2690.1308,	19754,	249902,	2687.7776,	19792,	252234,	2685.4244,
6.722739			6.716858			6.710977		
19717,	251830,	2690.0689,	19755,	251054,	2687.7156,	19793,	253016,	2685.3624,
6.722584			6.716703			6.710822		
19718,	252012,	2690.0069,	19756,	251916,	2687.6537,	19794,	253538,	2685.3005,
6.722429			6.716548			6.710668		
19719,	251940,	2689.9450,	19757,	252114,	2687.5918,	19795,	253332,	2685.2386,
6.722274			6.716394			6.710513		
19720,	251566,	2689.8831,	19758,	251902,	2687.5299,	19796,	252622,	2685.1766,
6.722120			6.716239			6.710358		
19721,	251088,	2689.8212,	19759,	251798,	2687.4679,	19797,	252048,	2685.1147,
6.721965			6.716084			6.710203		
19722,	250708,	2689.7592,	19760,	251970,	2687.4060,	19798,	252056,	2685.0528,
6.721810			6.715929			6.710049		
19723,	250438,	2689.6973,	19761,	252064,	2687.3441,	19799,	252478,	2684.9909,
6.721655			6.715775			6.709894		
19724,	250192,	2689.6354,	19762,	251644,	2687.2822,	19800,	252798,	2684.9289,
6.721501			6.715620			6.709739		
19725,	250002,	2689.5735,	19763,	250722,	2687.2202,	19801,	252722,	2684.8670,
6.721346			6.715465			6.709584		
19726,	250050,	2689.5115,	19764,	249810,	2687.1583,	19802,	252398,	2684.8051,
6.721191			6.715310			6.709430		
19727,	250442,	2689.4496,	19765,	249388,	2687.0964,	19803,	252174,	2684.7432,
6.721036			6.715156			6.709275		
19728,	250992,	2689.3877,	19766,	249448,	2687.0344,	19804,	252172,	2684.6812,
6.720882			6.715001			6.709120		
19729,	251324,	2689.3257,	19767,	249560,	2686.9725,	19805,	252210,	2684.6193,
6.720727			6.714846			6.708965		
19730,	251184,	2689.2638,	19768,	249436,	2686.9106,	19806,	252126,	2684.5574,
6.720572			6.714691			6.708811		

19807,	251990,	2684.4954,	19845,	255486,	2682.1422,	19883,	253460,	2679.7890,
6.708656			6.702775			6.696894		
19808,	251994,	2684.4335,	19846,	255424,	2682.0803,	19884,	253092,	2679.7271,
6.708501			6.702620			6.696739		
19809,	252176,	2684.3716,	19847,	255382,	2682.0184,	19885,	253126,	2679.6651,
6.708346			6.702465			6.696585		
19810,	252342,	2684.3097,	19848,	255360,	2681.9564,	19886,	253274,	2679.6032,
6.708192			6.702311			6.696430		
19811,	252348,	2684.2477,	19849,	255276,	2681.8945,	19887,	253218,	2679.5413,
6.708037			6.702156			6.696275		
19812,	252346,	2684.1858,	19850,	255156,	2681.8326,	19888,	252962,	2679.4794,
6.707882			6.702001			6.696120		
19813,	252660,	2684.1239,	19851,	255182,	2681.7707,	19889,	252738,	2679.4174,
6.707727			6.701846			6.695966		
19814,	253390,	2684.0620,	19852,	255430,	2681.7087,	19890,	252666,	2679.3555,
6.707572			6.701692			6.695811		
19815,	254202,	2684.0000,	19853,	255756,	2681.6468,	19891,	252558,	2679.2936,
6.707418			6.701537			6.695656		
19816,	254608,	2683.9381,	19854,	255918,	2681.5849,	19892,	252212,	2679.2317,
6.707263			6.701382			6.695501		
19817,	254448,	2683.8762,	19855,	255842,	2681.5230,	19893,	251718,	2679.1697,
6.707108			6.701227			6.695347		
19818,	254054,	2683.8143,	19856,	255700,	2681.4610,	19894,	251448,	2679.1078,
6.706953			6.701073			6.695192		
19819,	253852,	2683.7523,	19857,	255646,	2681.3991,	19895,	251654,	2679.0459,
6.706799			6.700918			6.695037		
19820,	253932,	2683.6904,	19858,	255578,	2681.3372,	19896,	252180,	2678.9840,
6.706644			6.700763			6.694882		
19821,	253966,	2683.6285,	19859,	255248,	2681.2752,	19897,	252604,	2678.9220,
6.706489			6.700608			6.694728		
19822,	253618,	2683.5665,	19860,	254622,	2681.2133,	19898,	252738,	2678.8601,
6.706334			6.700454			6.694573		
19823,	252936,	2683.5046,	19861,	254064,	2681.1514,	19899,	252808,	2678.7982,
6.706180			6.700299			6.694418		
19824,	252306,	2683.4427,	19862,	254076,	2681.0895,	19900,	253168,	2678.7362,
6.706025			6.700144			6.694263		
19825,	252062,	2683.3808,	19863,	254804,	2681.0275,	19901,	253810,	2678.6743,
6.705870			6.699989			6.694109		
19826,	252192,	2683.3188,	19864,	255868,	2680.9656,	19902,	254272,	2678.6124,
6.705715			6.699835			6.693954		
19827,	252500,	2683.2569,	19865,	256676,	2680.9037,	19903,	254168,	2678.5505,
6.705561			6.699680			6.693799		
19828,	252896,	2683.1950,	19866,	256918,	2680.8418,	19904,	253614,	2678.4885,
6.705406			6.699525			6.693644		
19829,	253418,	2683.1331,	19867,	256728,	2680.7798,	19905,	253194,	2678.4266,
6.705251			6.699370			6.693490		
19830,	253990,	2683.0711,	19868,	256408,	2680.7179,	19906,	253352,	2678.3647,
6.705096			6.699216			6.693335		
19831,	254262,	2683.0092,	19869,	256114,	2680.6560,	19907,	253958,	2678.3028,
6.704942			6.699061			6.693180		
19832,	253868,	2682.9473,	19870,	255786,	2680.5941,	19908,	254504,	2678.2408,
6.704787			6.698906			6.693025		
19833,	252916,	2682.8853,	19871,	255396,	2680.5321,	19909,	254682,	2678.1789,
6.704632			6.698751			6.692871		
19834,	252088,	2682.8234,	19872,	255086,	2680.4702,	19910,	254726,	2678.1170,
6.704477			6.698597			6.692716		
19835,	252130,	2682.7615,	19873,	254990,	2680.4083,	19911,	255106,	2678.0550,
6.704323			6.698442			6.692561		
19836,	253164,	2682.6996,	19874,	255026,	2680.3463,	19912,	255966,	2677.9931,
6.704168			6.698287			6.692406		
19837,	254506,	2682.6376,	19875,	254904,	2680.2844,	19913,	256916,	2677.9312,
6.704013			6.698132			6.692251		
19838,	255258,	2682.5757,	19876,	254498,	2680.2225,	19914,	257448,	2677.8693,
6.703858			6.697978			6.692097		
19839,	255098,	2682.5138,	19877,	254026,	2680.1606,	19915,	257450,	2677.8073,
6.703704			6.697823			6.691942		
19840,	254478,	2682.4519,	19878,	253884,	2680.0986,	19916,	257226,	2677.7454,
6.703549			6.697668			6.691787		
19841,	254128,	2682.3899,	19879,	254190,	2680.0367,	19917,	257080,	2677.6835,
6.703394			6.697513			6.691632		
19842,	254374,	2682.3280,	19880,	254600,	2679.9748,	19918,	256954,	2677.6216,
6.703239			6.697358			6.691478		
19843,	254944,	2682.2661,	19881,	254620,	2679.9129,	19919,	256556,	2677.5596,
6.703085			6.697204			6.691323		
19844,	255376,	2682.2042,	19882,	254126,	2679.8509,	19920,	255844,	2677.4977,
6.702930			6.697049			6.691168		

19921,	255210,	2677.4358,	19959,	255746,	2675.0826,	19997,	254672,	2672.7293,
6.691013			6.685133			6.679252		
19922,	255124,	2677.3739,	19960,	256128,	2675.0206,	19998,	254454,	2672.6674,
6.690859			6.684978			6.679097		
19923,	255626,	2677.3119,	19961,	256654,	2674.9587,	19999,	254928,	2672.6055,
6.690704			6.684823			6.678942		
19924,	256212,	2677.2500,	19962,	256898,	2674.8968,	20000,	255762,	2672.5436,
6.690549			6.684668			6.678788		
19925,	256328,	2677.1881,	19963,	256540,	2674.8348,	20001,	256500,	2672.4816,
6.690394			6.684514			6.678633		
19926,	255850,	2677.1261,	19964,	255608,	2674.7729,	20002,	256942,	2672.4197,
6.690240			6.684359			6.678478		
19927,	255148,	2677.0642,	19965,	254404,	2674.7110,	20003,	257166,	2672.3578,
6.690085			6.684204			6.678323		
19928,	254616,	2677.0023,	19966,	253286,	2674.6491,	20004,	257266,	2672.2958,
6.689930			6.684049			6.678169		
19929,	254280,	2676.9404,	19967,	252494,	2674.5871,	20005,	257230,	2672.2339,
6.689775			6.683895			6.678014		
19930,	253896,	2676.8784,	19968,	252170,	2674.5252,	20006,	257046,	2672.1720,
6.689621			6.683740			6.677859		
19931,	253366,	2676.8165,	19969,	252418,	2674.4633,	20007,	256882,	2672.1101,
6.689466			6.683585			6.677704		
19932,	252892,	2676.7546,	19970,	253202,	2674.4014,	20008,	256954,	2672.0481,
6.689311			6.683430			6.677549		
19933,	252786,	2676.6927,	19971,	254232,	2674.3394,	20009,	257262,	2671.9862,
6.689156			6.683276			6.677395		
19934,	253048,	2676.6307,	19972,	255032,	2674.2775,	20010,	257492,	2671.9243,
6.689002			6.683121			6.677240		
19935,	253366,	2676.5688,	19973,	255260,	2674.2156,	20011,	257288,	2671.8624,
6.688847			6.682966			6.677085		
19936,	253440,	2676.5069,	19974,	254972,	2674.1537,	20012,	256654,	2671.8004,
6.688692			6.682811			6.676930		
19937,	253368,	2676.4449,	19975,	254530,	2674.0917,	20013,	255992,	2671.7385,
6.688537			6.682656			6.676776		
19938,	253520,	2676.3830,	19976,	254242,	2674.0298,	20014,	255690,	2671.6766,
6.688383			6.682502			6.676621		
19939,	254152,	2676.3211,	19977,	254068,	2673.9679,	20015,	255742,	2671.6147,
6.688228			6.682347			6.676466		
19940,	255110,	2676.2592,	19978,	253786,	2673.9059,	20016,	255748,	2671.5527,
6.688073			6.682192			6.676311		
19941,	256004,	2676.1972,	19979,	253384,	2673.8440,	20017,	255382,	2671.4908,
6.687918			6.682037			6.676157		
19942,	256602,	2676.1353,	19980,	253182,	2673.7821,	20018,	254734,	2671.4289,
6.687763			6.681883			6.676002		
19943,	257014,	2676.0734,	19981,	253518,	2673.7202,	20019,	254194,	2671.3669,
6.687609			6.681728			6.675847		
19944,	257466,	2676.0115,	19982,	254326,	2673.6582,	20020,	254006,	2671.3050,
6.687454			6.681573			6.675692		
19945,	257982,	2675.9495,	19983,	255090,	2673.5963,	20021,	254010,	2671.2431,
6.687299			6.681418			6.675538		
19946,	258332,	2675.8876,	19984,	255316,	2673.5344,	20022,	253872,	2671.1812,
6.687144			6.681264			6.675383		
19947,	258286,	2675.8257,	19985,	255054,	2673.4725,	20023,	253522,	2671.1192,
6.686990			6.681109			6.675228		
19948,	257872,	2675.7638,	19986,	254810,	2673.4105,	20024,	253254,	2671.0573,
6.686835			6.680954			6.675073		
19949,	257344,	2675.7018,	19987,	255032,	2673.3486,	20025,	253408,	2670.9954,
6.686680			6.680799			6.674919		
19950,	256926,	2675.6399,	19988,	255638,	2673.2867,	20026,	253962,	2670.9335,
6.686525			6.680645			6.674764		
19951,	256638,	2675.5780,	19989,	256134,	2673.2248,	20027,	254544,	2670.8715,
6.686371			6.680490			6.674609		
19952,	256400,	2675.5160,	19990,	256170,	2673.1628,	20028,	254822,	2670.8096,
6.686216			6.680335			6.674454		
19953,	256188,	2675.4541,	19991,	255922,	2673.1009,	20029,	254838,	2670.7477,
6.686061			6.680180			6.674300		
19954,	256060,	2675.3922,	19992,	255828,	2673.0390,	20030,	254954,	2670.6857,
6.685906			6.680026			6.674145		
19955,	256032,	2675.3303,	19993,	256074,	2672.9770,	20031,	255444,	2670.6238,
6.685752			6.679871			6.673990		
19956,	255994,	2675.2683,	19994,	256334,	2672.9151,	20032,	256232,	2670.5619,
6.685597			6.679716			6.673835		
19957,	255854,	2675.2064,	19995,	256138,	2672.8532,	20033,	257022,	2670.5000,
6.685442			6.679561			6.673681		
19958,	255694,	2675.1445,	19996,	255428,	2672.7913,	20034,	257612,	2670.4380,
6.685287			6.679407			6.673526		

20035,	258026,	2670.3761,	20073,	257998,	2668.0229,	20111,	259392,	2665.6697,
6.673371			6.667490			6.661609		
20036,	258336,	2670.3142,	20074,	257988,	2667.9610,	20112,	259828,	2665.6077,
6.673216			6.667335			6.661455		
20037,	258512,	2670.2523,	20075,	258132,	2667.8990,	20113,	260218,	2665.5458,
6.673062			6.667181			6.661300		
20038,	258456,	2670.1903,	20076,	258490,	2667.8371,	20114,	260374,	2665.4839,
6.672907			6.667026			6.661145		
20039,	258196,	2670.1284,	20077,	259050,	2667.7752,	20115,	260328,	2665.4220,
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20040,	257950,	2670.0665,	20078,	259706,	2667.7133,	20116,	260312,	2665.3600,
6.672597			6.666716			6.660836		
20041,	257862,	2670.0046,	20079,	260202,	2667.6513,	20117,	260468,	2665.2981,
6.672442			6.666562			6.660681		
20042,	257792,	2669.9426,	20080,	260204,	2667.5894,	20118,	260684,	2665.2362,
6.672288			6.666407			6.660526		
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6.671823			6.665943			6.660062		
20046,	254594,	2669.6949,	20084,	256698,	2667.3417,	20122,	259828,	2664.9885,
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20047,	254514,	2669.6330,	20085,	256622,	2667.2798,	20123,	259754,	2664.9265,
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6.671359			6.665478			6.659598		
20049,	255670,	2669.5091,	20087,	256934,	2667.1559,	20125,	259110,	2664.8027,
6.671204			6.665324			6.659443		
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6.670740			6.664859			6.658979		
20053,	257242,	2669.2614,	20091,	257626,	2666.9082,	20129,	258356,	2664.5550,
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20054,	257420,	2669.1995,	20092,	257224,	2666.8463,	20130,	258684,	2664.4931,
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20055,	257330,	2669.1376,	20093,	256480,	2666.7844,	20131,	258874,	2664.4311,
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20057,	257274,	2669.0137,	20095,	255978,	2666.6605,	20133,	259260,	2664.3073,
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20058,	257752,	2668.9518,	20096,	256572,	2666.5986,	20134,	259550,	2664.2453,
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6.669657			6.663776			6.657895		
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20061,	258426,	2668.7660,	20099,	256736,	2666.4128,	20137,	259292,	2664.0596,
6.669347			6.663467			6.657586		
20062,	257948,	2668.7041,	20100,	256282,	2666.3509,	20138,	259190,	2663.9976,
6.669193			6.663312			6.657431		
20063,	257478,	2668.6422,	20101,	256242,	2666.2889,	20139,	259324,	2663.9357,
6.669038			6.663157			6.657276		
20064,	257126,	2668.5802,	20102,	256610,	2666.2270,	20140,	259540,	2663.8738,
6.668883			6.663002			6.657121		
20065,	256798,	2668.5183,	20103,	257042,	2666.1651,	20141,	259686,	2663.8119,
6.668728			6.662848			6.656967		
20066,	256418,	2668.4564,	20104,	257282,	2666.1032,	20142,	259812,	2663.7499,
6.668574			6.662693			6.656812		
20067,	256130,	2668.3945,	20105,	257400,	2666.0412,	20143,	260112,	2663.6880,
6.668419			6.662538			6.656657		
20068,	256178,	2668.3325,	20106,	257630,	2665.9793,	20144,	260588,	2663.6261,
6.668264			6.662383			6.656502		
20069,	256632,	2668.2706,	20107,	258048,	2665.9174,	20145,	260940,	2663.5642,
6.668109			6.662228			6.656348		
20070,	257282,	2668.2087,	20108,	258502,	2665.8554,	20146,	260792,	2663.5022,
6.667955			6.662074			6.656193		
20071,	257792,	2668.1467,	20109,	258832,	2665.7935,	20147,	260126,	2663.4403,
6.667800			6.661919			6.656038		
20072,	258004,	2668.0848,	20110,	259076,	2665.7316,	20148,	259366,	2663.3784,
6.667645			6.661764			6.655883		

20149,	258994,	2663.3164,	20187,	261160,	2660.9632,	20225,	261310,	2658.6100,
6.655729			6.649848			6.643967		
20150,	259122,	2663.2545,	20188,	261402,	2660.9013,	20226,	262096,	2658.5481,
6.655574			6.649693			6.643812		
20151,	259412,	2663.1926,	20189,	261836,	2660.8394,	20227,	262442,	2658.4861,
6.655419			6.649538			6.643658		
20152,	259454,	2663.1307,	20190,	262106,	2660.7774,	20228,	262154,	2658.4242,
6.655264			6.649384			6.643503		
20153,	259186,	2663.0687,	20191,	262116,	2660.7155,	20229,	261558,	2658.3623,
6.655110			6.649229			6.643348		
20154,	258906,	2663.0068,	20192,	262026,	2660.6536,	20230,	261240,	2658.3004,
6.654955			6.649074			6.643193		
20155,	258932,	2662.9449,	20193,	261996,	2660.5917,	20231,	261420,	2658.2384,
6.654800			6.648919			6.643039		
20156,	259324,	2662.8830,	20194,	261948,	2660.5297,	20232,	261734,	2658.1765,
6.654645			6.648765			6.642884		
20157,	259876,	2662.8210,	20195,	261706,	2660.4678,	20233,	261630,	2658.1146,
6.654491			6.648610			6.642729		
20158,	260394,	2662.7591,	20196,	261252,	2660.4059,	20234,	260996,	2658.0527,
6.654336			6.648455			6.642574		
20159,	260782,	2662.6972,	20197,	260764,	2660.3440,	20235,	260248,	2657.9907,
6.654181			6.648300			6.642419		
20160,	261006,	2662.6352,	20198,	260332,	2660.2820,	20236,	259882,	2657.9288,
6.654026			6.648146			6.642265		
20161,	260964,	2662.5733,	20199,	259810,	2660.2201,	20237,	259942,	2657.8669,
6.653872			6.647991			6.642110		
20162,	260626,	2662.5114,	20200,	259014,	2660.1582,	20238,	260054,	2657.8050,
6.653717			6.647836			6.641955		
20163,	260172,	2662.4495,	20201,	258096,	2660.0962,	20239,	259952,	2657.7430,
6.653562			6.647681			6.641800		
20164,	259958,	2662.3875,	20202,	257570,	2660.0343,	20240,	259822,	2657.6811,
6.653407			6.647527			6.641646		
20165,	260184,	2662.3256,	20203,	257876,	2659.9724,	20241,	260078,	2657.6192,
6.653253			6.647372			6.641491		
20166,	260636,	2662.2637,	20204,	258850,	2659.9105,	20242,	260832,	2657.5572,
6.653098			6.647217			6.641336		
20167,	260860,	2662.2018,	20205,	259760,	2659.8485,	20243,	261696,	2657.4953,
6.652943			6.647062			6.641181		
20168,	260612,	2662.1398,	20206,	259902,	2659.7866,	20244,	262210,	2657.4334,
6.652788			6.646907			6.641027		
20169,	260128,	2662.0779,	20207,	259204,	2659.7247,	20245,	262332,	2657.3715,
6.652634			6.646753			6.640872		
20170,	259872,	2662.0160,	20208,	258220,	2659.6628,	20246,	262448,	2657.3095,
6.652479			6.646598			6.640717		
20171,	259994,	2661.9541,	20209,	257574,	2659.6008,	20247,	262830,	2657.2476,
6.652324			6.646443			6.640562		
20172,	260116,	2661.8921,	20210,	257430,	2659.5389,	20248,	263232,	2657.1857,
6.652169			6.646288			6.640408		
20173,	259762,	2661.8302,	20211,	257562,	2659.4770,	20249,	263066,	2657.1238,
6.652014			6.646134			6.640253		
20174,	258924,	2661.7683,	20212,	257792,	2659.4151,	20250,	262064,	2657.0618,
6.651860			6.645979			6.640098		
20175,	258164,	2661.7063,	20213,	258220,	2659.3531,	20251,	260626,	2656.9999,
6.651705			6.645824			6.639943		
20176,	258102,	2661.6444,	20214,	258966,	2659.2912,	20252,	259484,	2656.9380,
6.651550			6.645669			6.639789		
20177,	258762,	2661.5825,	20215,	259826,	2659.2293,	20253,	259054,	2656.8760,
6.651395			6.645515			6.639634		
20178,	259544,	2661.5206,	20216,	260276,	2659.1673,	20254,	259128,	2656.8141,
6.651241			6.645360			6.639479		
20179,	259874,	2661.4586,	20217,	259972,	2659.1054,	20255,	259260,	2656.7522,
6.651086			6.645205			6.639324		
20180,	259746,	2661.3967,	20218,	259152,	2659.0435,	20256,	259270,	2656.6903,
6.650931			6.645050			6.639170		
20181,	259696,	2661.3348,	20219,	258462,	2658.9816,	20257,	259368,	2656.6283,
6.650776			6.644896			6.639015		
20182,	260144,	2661.2729,	20220,	258380,	2658.9196,	20258,	259732,	2656.5664,
6.650622			6.644741			6.638860		
20183,	260944,	2661.2109,	20221,	258842,	2658.8577,	20259,	260158,	2656.5045,
6.650467			6.644586			6.638705		
20184,	261548,	2661.1490,	20222,	259446,	2658.7958,	20260,	260216,	2656.4426,
6.650312			6.644431			6.638551		
20185,	261604,	2661.0871,	20223,	259974,	2658.7339,	20261,	259738,	2656.3806,
6.650157			6.644277			6.638396		
20186,	261312,	2661.0251,	20224,	260542,	2658.6719,	20262,	259064,	2656.3187,
6.650003			6.644122			6.638241		

20263,	258750,	2656.2568,	20301,	260358,	2653.9036,	20339,	261450,	2651.5503,
6.638086			6.632205			6.626325		
20264,	259010,	2656.1949,	20302,	260916,	2653.8416,	20340,	261214,	2651.4884,
6.637932			6.632051			6.626170		
20265,	259560,	2656.1329,	20303,	261340,	2653.7797,	20341,	260856,	2651.4265,
6.637777			6.631896			6.626015		
20266,	259962,	2656.0710,	20304,	261444,	2653.7178,	20342,	260516,	2651.3646,
6.637622			6.631741			6.625860		
20267,	260066,	2656.0091,	20305,	261406,	2653.6558,	20343,	260490,	2651.3026,
6.637467			6.631586			6.625706		
20268,	260046,	2655.9471,	20306,	261526,	2653.5939,	20344,	260942,	2651.2407,
6.637312			6.631432			6.625551		
20269,	260050,	2655.8852,	20307,	261814,	2653.5320,	20345,	261670,	2651.1788,
6.637158			6.631277			6.625396		
20270,	259966,	2655.8233,	20308,	261926,	2653.4701,	20346,	262276,	2651.1168,
6.637003			6.631122			6.625241		
20271,	259570,	2655.7614,	20309,	261524,	2653.4081,	20347,	262514,	2651.0549,
6.636848			6.630967			6.625087		
20272,	258912,	2655.6994,	20310,	260664,	2653.3462,	20348,	262534,	2650.9930,
6.636693			6.630813			6.624932		
20273,	258388,	2655.6375,	20311,	259800,	2653.2843,	20349,	262646,	2650.9311,
6.636539			6.630658			6.624777		
20274,	258380,	2655.5756,	20312,	259386,	2653.2224,	20350,	262934,	2650.8691,
6.636384			6.630503			6.624622		
20275,	258844,	2655.5137,	20313,	259484,	2653.1604,	20351,	263100,	2650.8072,
6.636229			6.630348			6.624468		
20276,	259328,	2655.4517,	20314,	259822,	2653.0985,	20352,	262796,	2650.7453,
6.636074			6.630194			6.624313		
20277,	259416,	2655.3898,	20315,	260172,	2653.0366,	20353,	262022,	2650.6834,
6.635920			6.630039			6.624158		
20278,	259094,	2655.3279,	20316,	260536,	2652.9747,	20354,	261196,	2650.6214,
6.635765			6.629884			6.624003		
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6.635610			6.629729			6.623849		
20280,	258338,	2655.2040,	20318,	261572,	2652.8508,	20356,	260814,	2650.4976,
6.635455			6.629575			6.623694		
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6.635301			6.629420			6.623539		
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6.635146			6.629265			6.623384		
20283,	257316,	2655.0182,	20321,	261252,	2652.6650,	20359,	261762,	2650.3118,
6.634991			6.629110			6.623230		
20284,	257252,	2654.9563,	20322,	260956,	2652.6031,	20360,	262164,	2650.2499,
6.634836			6.628956			6.623075		
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6.634682			6.628801			6.622920		
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6.634527			6.628646			6.622765		
20287,	259728,	2654.7705,	20325,	261628,	2652.4173,	20363,	263062,	2650.0641,
6.634372			6.628491			6.622611		
20288,	260418,	2654.7086,	20326,	261556,	2652.3554,	20364,	263162,	2650.0022,
6.634217			6.628337			6.622456		
20289,	260890,	2654.6467,	20327,	261392,	2652.2935,	20365,	263512,	2649.9402,
6.634063			6.628182			6.622301		
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6.633908			6.628027			6.622146		
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6.633753			6.627872			6.621991		
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6.633598			6.627718			6.621837		
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6.633444			6.627563			6.621682		
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6.633134			6.627253			6.621372		
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20297,	261520,	2654.1513,	20335,	261874,	2651.7980,	20373,	262016,	2649.4448,
6.632825			6.626944			6.621063		
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6.632670			6.626789			6.620908		
20299,	260244,	2654.0274,	20337,	261774,	2651.6742,	20375,	261248,	2649.3210,
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6.620134			6.614254			6.608373		
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6.619670			6.613789			6.607909		
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6.617039			6.611158			6.605278		
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6.616730			6.610849			6.604968		
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20407,	261658,	2647.3393,	20445,	268340,	2644.9861,	20483,	263690,	2642.6329,
6.615801			6.609920			6.604040		
20408,	261456,	2647.2774,	20446,	267980,	2644.9242,	20484,	263106,	2642.5709,
6.615646			6.609766			6.603885		
20409,	261616,	2647.2154,	20447,	267540,	2644.8622,	20485,	262786,	2642.5090,
6.615492			6.609611			6.603730		
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6.615337			6.609456			6.603575		
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6.615182			6.609301			6.603421		
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6.615027			6.609147			6.603266		
20413,	262164,	2646.9677,	20451,	264318,	2644.6145,	20489,	261950,	2642.2613,
6.614873			6.608992			6.603111		
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6.614718			6.608837			6.602956		

20491,	262268,	2642.1374,	20529,	267292,	2639.7842,	20567,	270996,	2637.4310,
6.602802			6.596921			6.591040		
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6.602647			6.596766			6.590885		
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6.602492			6.596611			6.590730		
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6.602337			6.596456			6.590576		
20495,	264330,	2641.8897,	20533,	267800,	2639.5365,	20571,	269446,	2637.1833,
6.602183			6.596302			6.590421		
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6.602028			6.596147			6.590266		
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6.601873			6.595992			6.590111		
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6.601718			6.595837			6.589957		
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6.601563			6.595683			6.589802		
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6.601409			6.595528			6.589647		
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6.601254			6.595373			6.589492		
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6.601099			6.595218			6.589338		
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6.600944			6.595064			6.589183		
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6.600790			6.594909			6.589028		
20505,	265862,	2641.2705,	20543,	268454,	2638.9172,	20581,	267826,	2636.5640,
6.600635			6.594754			6.588873		
20506,	265462,	2641.2085,	20544,	267922,	2638.8553,	20582,	268076,	2636.5021,
6.600480			6.594599			6.588719		
20507,	265192,	2641.1466,	20545,	267988,	2638.7934,	20583,	268632,	2636.4402,
6.600325			6.594445			6.588564		
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6.600171			6.594290			6.588409		
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6.600016			6.594135			6.588254		
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6.599552			6.593671			6.587790		
20513,	264720,	2640.7751,	20551,	268814,	2638.4218,	20589,	267792,	2636.0686,
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20514,	264720,	2640.7131,	20552,	269028,	2638.3599,	20590,	267848,	2636.0067,
6.599242			6.593361			6.587481		
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20517,	266388,	2640.5273,	20555,	268192,	2638.1741,	20593,	267062,	2635.8209,
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6.598623			6.592742			6.586861		
20519,	268064,	2640.4035,	20557,	267680,	2638.0503,	20595,	266590,	2635.6970,
6.598468			6.592588			6.586707		
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6.598314			6.592433			6.586552		
20521,	268426,	2640.2796,	20559,	266666,	2637.9264,	20597,	266390,	2635.5732,
6.598159			6.592278			6.586397		
20522,	268334,	2640.2177,	20560,	266496,	2637.8645,	20598,	266532,	2635.5113,
6.598004			6.592123			6.586242		
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6.597849			6.591968			6.586088		
20524,	268198,	2640.0939,	20562,	267840,	2637.7406,	20600,	267112,	2635.3874,
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6.597075			6.591195			6.585314		



20605,	267414,	2635.0778,	20643,	266934,	2632.7246,	20681,	268148,	2630.3713,
6.585159			6.579278			6.573398		
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6.585004			6.579124			6.573243		
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6.584695			6.578814			6.572933		
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6.562100			6.556219			6.550339		
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6.561946			6.556065			6.550184		
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6.561791			6.555910			6.550029		

20833,	273026,	2620.9584,	20871,	276718,	2618.6052,	20909,	272896,	2616.2520,
6.549874			6.543994			6.538113		
20834,	272854,	2620.8965,	20872,	276102,	2618.5433,	20910,	272580,	2616.1901,
6.549720			6.543839			6.537958		
20835,	272488,	2620.8346,	20873,	275074,	2618.4814,	20911,	272194,	2616.1281,
6.549565			6.543684			6.537803		
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6.549410			6.543529			6.537649		
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6.549255			6.543375			6.537494		
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6.549101			6.543220			6.537339		
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6.548946			6.543065			6.537184		
20840,	272520,	2620.5250,	20878,	274672,	2618.1717,	20916,	272894,	2615.8185,
6.548791			6.542910			6.537030		
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6.548636			6.542756			6.536875		
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6.548482			6.542601			6.536720		
20843,	273484,	2620.3392,	20881,	275136,	2617.9860,	20919,	272342,	2615.6327,
6.548327			6.542446			6.536565		
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6.548172			6.542291			6.536410		
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6.548017			6.542137			6.536256		
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6.547863			6.541982			6.536101		
20847,	273572,	2620.0915,	20885,	274084,	2617.7382,	20923,	271006,	2615.3850,
6.547708			6.541827			6.535946		
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6.547553			6.541672			6.535791		
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6.547398			6.541517			6.535637		
20850,	273820,	2619.9057,	20888,	274878,	2617.5525,	20926,	273774,	2615.1992,
6.547244			6.541363			6.535482		
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6.547089			6.541208			6.535327		
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6.546934			6.541053			6.535172		
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6.546779			6.540898			6.535018		
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6.546624			6.540744			6.534863		
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6.546470			6.540589			6.534708		
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6.546315			6.540434			6.534553		
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6.546160			6.540279			6.534399		
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6.546005			6.540125			6.534244		
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6.545851			6.539970			6.534089		
20860,	272494,	2619.2864,	20898,	275496,	2616.9332,	20936,	273138,	2614.5800,
6.545696			6.539815			6.533934		
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6.545541			6.539660			6.533780		
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6.545386			6.539506			6.533625		
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6.545232			6.539351			6.533470		
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6.545077			6.539196			6.533315		
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6.544922			6.539041			6.533161		
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6.544767			6.538887			6.533006		
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6.544613			6.538732			6.532851		
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6.544148			6.538268			6.532387		

20947,	273112,	2613.8988,	20985,	274224,	2611.5456,	21023,	275434,	2609.1923,
6.532232			6.526351			6.520470		
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20953,	273756,	2613.5272,	20991,	274886,	2611.1740,	21029,	275936,	2608.8208,
6.531303			6.525423			6.519542		
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6.531149			6.525268			6.519387		
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6.530994			6.525113			6.519232		
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21175,	281256,	2599.7794,	21213,	281776,	2597.4262,	21251,	282694,	2595.0730,
6.496947			6.491066			6.485186		
21176,	281316,	2599.7175,	21214,	281692,	2597.3643,	21252,	281980,	2595.0111,
6.496793			6.490912			6.485031		
21177,	281216,	2599.6556,	21215,	282044,	2597.3024,	21253,	281294,	2594.9491,
6.496638			6.490757			6.484876		
21178,	281036,	2599.5937,	21216,	282880,	2597.2404,	21254,	280954,	2594.8872,
6.496483			6.490602			6.484721		
21179,	280794,	2599.5317,	21217,	283798,	2597.1785,	21255,	280910,	2594.8253,
6.496328			6.490447			6.484567		
21180,	280446,	2599.4698,	21218,	284246,	2597.1166,	21256,	280886,	2594.7634,
6.496173			6.490293			6.484412		
21181,	280086,	2599.4079,	21219,	284072,	2597.0547,	21257,	280784,	2594.7014,
6.496019			6.490138			6.484257		
21182,	279928,	2599.3460,	21220,	283664,	2596.9927,	21258,	280836,	2594.6395,
6.495864			6.489983			6.484102		
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6.495709			6.489828			6.483948		
21184,	280550,	2599.2221,	21222,	283658,	2596.8689,	21260,	282060,	2594.5157,
6.495554			6.489674			6.483793		
21185,	280860,	2599.1602,	21223,	283678,	2596.8069,	21261,	282688,	2594.4537,
6.495400			6.489519			6.483638		
21186,	280890,	2599.0982,	21224,	283204,	2596.7450,	21262,	282818,	2594.3918,
6.495245			6.489364			6.483483		
21187,	280842,	2599.0363,	21225,	282428,	2596.6831,	21263,	282536,	2594.3299,
6.495090			6.489209			6.483329		
21188,	281018,	2598.9744,	21226,	281916,	2596.6212,	21264,	282260,	2594.2679,
6.494935			6.489055			6.483174		
21189,	281428,	2598.9125,	21227,	282040,	2596.5592,	21265,	282268,	2594.2060,
6.494781			6.488900			6.483019		
21190,	281686,	2598.8505,	21228,	282568,	2596.4973,	21266,	282414,	2594.1441,
6.494626			6.488745			6.482864		
21191,	281430,	2598.7886,	21229,	282940,	2596.4354,	21267,	282348,	2594.0822,
6.494471			6.488590			6.482710		
21192,	280790,	2598.7267,	21230,	282894,	2596.3735,	21268,	281912,	2594.0202,
6.494316			6.488436			6.482555		
21193,	280354,	2598.6648,	21231,	282712,	2596.3115,	21269,	281322,	2593.9583,
6.494162			6.488281			6.482400		
21194,	280584,	2598.6028,	21232,	282860,	2596.2496,	21270,	280912,	2593.8964,
6.494007			6.488126			6.482245		
21195,	281314,	2598.5409,	21233,	283380,	2596.1877,	21271,	280794,	2593.8345,
6.493852			6.487971			6.482091		
21196,	281856,	2598.4790,	21234,	283824,	2596.1258,	21272,	280866,	2593.7725,
6.493697			6.487817			6.481936		
21197,	281680,	2598.4170,	21235,	283732,	2596.0638,	21273,	281072,	2593.7106,
6.493543			6.487662			6.481781		
21198,	280918,	2598.3551,	21236,	283132,	2596.0019,	21274,	281516,	2593.6487,
6.493388			6.487507			6.481626		
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6.493233			6.487352			6.481472		
21200,	279874,	2598.2313,	21238,	282380,	2595.8780,	21276,	283060,	2593.5248,
6.493078			6.487198			6.481317		
21201,	279914,	2598.1693,	21239,	282682,	2595.8161,	21277,	283462,	2593.4629,
6.492924			6.487043			6.481162		
21202,	279898,	2598.1074,	21240,	283076,	2595.7542,	21278,	283266,	2593.4010,
6.492769			6.486888			6.481007		
21203,	279718,	2598.0455,	21241,	283308,	2595.6923,	21279,	282854,	2593.3390,
6.492614			6.486733			6.480852		
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6.492459			6.486579			6.480698		
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6.492150			6.486269			6.480388		
21207,	282166,	2597.7978,	21245,	283576,	2595.4446,	21283,	286198,	2593.0913,
6.491995			6.486114			6.480233		
21208,	282648,	2597.7359,	21246,	283252,	2595.3826,	21284,	286408,	2593.0294,
6.491840			6.485959			6.480079		
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6.491686			6.485805			6.479924		
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6.491531			6.485650			6.479769		
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6.491376			6.485495			6.479614		
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6.491221			6.485340			6.479460		

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6.479305			6.473424			6.467543		
21290,	283536,	2592.6578,	21328,	283668,	2590.3046,	21366,	284216,	2587.9514,
6.479150			6.473269			6.467389		
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6.478995			6.473115			6.467234		
21292,	284906,	2592.5340,	21330,	283536,	2590.1808,	21368,	285860,	2587.8275,
6.478841			6.472960			6.467079		
21293,	286102,	2592.4721,	21331,	283972,	2590.1188,	21369,	286618,	2587.7656,
6.478686			6.472805			6.466924		
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6.478531			6.472650			6.466770		
21295,	286822,	2592.3482,	21333,	284384,	2589.9950,	21371,	286230,	2587.6418,
6.478376			6.472496			6.466615		
21296,	286208,	2592.2863,	21334,	284448,	2589.9331,	21372,	285896,	2587.5798,
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21302,	282514,	2591.9147,	21340,	286034,	2589.5615,	21378,	287084,	2587.2083,
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21306,	284524,	2591.6670,	21344,	285894,	2589.3138,	21382,	288214,	2586.9606,
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21307,	284154,	2591.6051,	21345,	285164,	2589.2519,	21383,	287448,	2586.8986,
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21308,	283750,	2591.5432,	21346,	284742,	2589.1899,	21384,	287018,	2586.8367,
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21312,	283846,	2591.2955,	21350,	283990,	2588.9422,	21388,	286306,	2586.5890,
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21313,	284658,	2591.2335,	21351,	283978,	2588.8803,	21389,	286182,	2586.5271,
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21314,	285528,	2591.1716,	21352,	284358,	2588.8184,	21390,	286280,	2586.4652,
6.475436			6.469555			6.463674		
21315,	285956,	2591.1097,	21353,	284918,	2588.7565,	21391,	286292,	2586.4032,
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21316,	285706,	2591.0477,	21354,	285330,	2588.6945,	21392,	285988,	2586.3413,
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21319,	284570,	2590.8620,	21357,	285564,	2588.5087,	21395,	285620,	2586.1555,
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21403,	284852,	2585.6601,	21441,	287296,	2583.3069,	21479,	289128,	2580.9537,
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21517,	290818,	2578.6004,	21555,	290880,	2576.2472,	21593,	290974,	2573.8940,
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21521,	291904,	2578.3527,	21559,	289956,	2575.9995,	21597,	289682,	2573.6463,
6.443401			6.437520			6.431640		
21522,	291684,	2578.2908,	21560,	290024,	2575.9376,	21598,	289810,	2573.5844,
6.443246			6.437366			6.431485		
21523,	291120,	2578.2289,	21561,	289934,	2575.8757,	21599,	290068,	2573.5224,
6.443092			6.437211			6.431330		
21524,	290824,	2578.1670,	21562,	289860,	2575.8137,	21600,	290740,	2573.4605,
6.442937			6.437056			6.431175		
21525,	291202,	2578.1050,	21563,	289876,	2575.7518,	21601,	291750,	2573.3986,
6.442782			6.436901			6.431021		
21526,	292042,	2578.0431,	21564,	289938,	2575.6899,	21602,	292668,	2573.3367,
6.442627			6.436747			6.430866		
21527,	292732,	2577.9812,	21565,	290046,	2575.6279,	21603,	293144,	2573.2747,
6.442473			6.436592			6.430711		
21528,	292880,	2577.9192,	21566,	290354,	2575.5660,	21604,	293296,	2573.2128,
6.442318			6.436437			6.430556		
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6.442163			6.436282			6.430401		
21530,	292324,	2577.7954,	21568,	291768,	2575.4422,	21606,	294070,	2573.0889,
6.442008			6.436128			6.430247		
21531,	292096,	2577.7335,	21569,	292184,	2575.3802,	21607,	294614,	2573.0270,
6.441854			6.435973			6.430092		
21532,	291700,	2577.6715,	21570,	291898,	2575.3183,	21608,	294776,	2572.9651,
6.441699			6.435818			6.429937		
21533,	290892,	2577.6096,	21571,	291078,	2575.2564,	21609,	294504,	2572.9032,
6.441544			6.435663			6.429782		
21534,	289804,	2577.5477,	21572,	290316,	2575.1945,	21610,	294202,	2572.8412,
6.441389			6.435508			6.429628		
21535,	288832,	2577.4858,	21573,	290062,	2575.1325,	21611,	294240,	2572.7793,
6.441235			6.435354			6.429473		
21536,	288292,	2577.4238,	21574,	290172,	2575.0706,	21612,	294530,	2572.7174,
6.441080			6.435199			6.429318		
21537,	288116,	2577.3619,	21575,	290104,	2575.0087,	21613,	294624,	2572.6555,
6.440925			6.435044			6.429163		
21538,	288060,	2577.3000,	21576,	289532,	2574.9468,	21614,	294270,	2572.5935,
6.440770			6.434889			6.429009		
21539,	288002,	2577.2380,	21577,	288718,	2574.8848,	21615,	293754,	2572.5316,
6.440615			6.434735			6.428854		
21540,	288052,	2577.1761,	21578,	288252,	2574.8229,	21616,	293606,	2572.4697,
6.440461			6.434580			6.428699		
21541,	288274,	2577.1142,	21579,	288402,	2574.7610,	21617,	293990,	2572.4077,
6.440306			6.434425			6.428544		
21542,	288544,	2577.0523,	21580,	288878,	2574.6990,	21618,	294504,	2572.3458,
6.440151			6.434270			6.428390		
21543,	288646,	2576.9903,	21581,	289148,	2574.6371,	21619,	294578,	2572.2839,
6.439996			6.434116			6.428235		
21544,	288572,	2576.9284,	21582,	289024,	2574.5752,	21620,	294078,	2572.2220,
6.439842			6.433961			6.428080		
21545,	288634,	2576.8665,	21583,	288778,	2574.5133,	21621,	293406,	2572.1600,
6.439687			6.433806			6.427925		
21546,	289130,	2576.8046,	21584,	288770,	2574.4513,	21622,	293038,	2572.0981,
6.439532			6.433651			6.427771		
21547,	290024,	2576.7426,	21585,	289048,	2574.3894,	21623,	293034,	2572.0362,
6.439377			6.433497			6.427616		
21548,	290952,	2576.6807,	21586,	289386,	2574.3275,	21624,	293108,	2571.9743,
6.439223			6.433342			6.427461		
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6.439068			6.433187			6.427306		
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6.438913			6.433032			6.427152		
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6.438758			6.432878			6.426997		
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21553,	292208,	2576.3711,	21591,	292368,	2574.0178,	21629,	294116,	2571.6646,
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6.438294			6.432413			6.426533		

21631,	293614,	2571.5408,	21669,	291202,	2569.1875,	21707,	295652,	2566.8343,
6.426378			6.420497			6.414616		
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6.426223			6.420342			6.414461		
21633,	293850,	2571.4169,	21671,	289928,	2569.0637,	21709,	294128,	2566.7105,
6.426068			6.420187			6.414307		
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6.425914			6.420033			6.414152		
21635,	294818,	2571.2931,	21673,	290136,	2568.9398,	21711,	293314,	2566.5866,
6.425759			6.419878			6.413997		
21636,	294736,	2571.2311,	21674,	289778,	2568.8779,	21712,	293208,	2566.5247,
6.425604			6.419723			6.413842		
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6.425449			6.419568			6.413688		
21638,	294816,	2571.1073,	21676,	289192,	2568.7541,	21714,	293460,	2566.4008,
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6.425140			6.419259			6.413378		
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6.424985			6.419104			6.413223		
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6.424830			6.418949			6.413069		
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6.424675			6.418795			6.412914		
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6.424366			6.418485			6.412604		
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6.423902			6.418021			6.412140		
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6.423747			6.417866			6.411985		
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6.422664			6.416783			6.410902		
21656,	290850,	2569.9926,	21694,	294430,	2567.6394,	21732,	296840,	2565.2862,
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6.422199			6.416319			6.410438		
21659,	291242,	2569.8068,	21697,	294180,	2567.4536,	21735,	295600,	2565.1004,
6.422045			6.416164			6.410283		
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6.407652			6.401771			6.395891		
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6.407497			6.401617			6.395736		
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6.407188			6.401307			6.395426		
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6.406878			6.400998			6.395117		
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6.406724			6.400843			6.394962		
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21765,	295922,	2563.2426,	21803,	293158,	2560.8893,	21841,	297186,	2558.5361,
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21859,	296700,	2557.4214,	21897,	297710,	2555.0682,	21935,	298988,	2552.7150,
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6.390629			6.384748			6.378867		
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6.390319			6.384438			6.378558		
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6.390164			6.384284			6.378403		
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6.390010			6.384129			6.378248		
21867,	297442,	2556.9260,	21905,	297370,	2554.5728,	21943,	303134,	2552.2196,
6.389855			6.383974			6.378093		
21868,	297332,	2556.8641,	21906,	298326,	2554.5109,	21944,	302784,	2552.1577,
6.389700			6.383819			6.377939		
21869,	296874,	2556.8022,	21907,	299244,	2554.4489,	21945,	302222,	2552.0957,
6.389545			6.383665			6.377784		
21870,	296706,	2556.7402,	21908,	299970,	2554.3870,	21946,	301866,	2552.0338,
6.389391			6.383510			6.377629		
21871,	297332,	2556.6783,	21909,	300398,	2554.3251,	21947,	301944,	2551.9719,
6.389236			6.383355			6.377474		
21872,	298588,	2556.6164,	21910,	300364,	2554.2632,	21948,	302202,	2551.9099,
6.389081			6.383200			6.377320		
21873,	299780,	2556.5545,	21911,	299844,	2554.2012,	21949,	302180,	2551.8480,
6.388926			6.383046			6.377165		
21874,	300362,	2556.4925,	21912,	299084,	2554.1393,	21950,	301698,	2551.7861,
6.388772			6.382891			6.377010		
21875,	300364,	2556.4306,	21913,	298534,	2554.0774,	21951,	301046,	2551.7242,
6.388617			6.382736			6.376855		
21876,	300216,	2556.3687,	21914,	298454,	2554.0155,	21952,	300628,	2551.6622,
6.388462			6.382581			6.376701		
21877,	300188,	2556.3068,	21915,	298664,	2553.9535,	21953,	300522,	2551.6003,
6.388307			6.382427			6.376546		
21878,	300150,	2556.2448,	21916,	298704,	2553.8916,	21954,	300486,	2551.5384,
6.388153			6.382272			6.376391		
21879,	299872,	2556.1829,	21917,	298276,	2553.8297,	21955,	300350,	2551.4765,
6.387998			6.382117			6.376236		
21880,	299444,	2556.1210,	21918,	297500,	2553.7678,	21956,	300270,	2551.4145,
6.387843			6.381962			6.376082		
21881,	299310,	2556.0590,	21919,	296756,	2553.7058,	21957,	300528,	2551.3526,
6.387688			6.381808			6.375927		
21882,	299774,	2555.9971,	21920,	296282,	2553.6439,	21958,	301088,	2551.2907,
6.387534			6.381653			6.375772		
21883,	300664,	2555.9352,	21921,	296084,	2553.5820,	21959,	301488,	2551.2287,
6.387379			6.381498			6.375617		
21884,	301440,	2555.8733,	21922,	296138,	2553.5200,	21960,	301292,	2551.1668,
6.387224			6.381343			6.375462		
21885,	301708,	2555.8113,	21923,	296618,	2553.4581,	21961,	300536,	2551.1049,
6.387069			6.381189			6.375308		
21886,	301504,	2555.7494,	21924,	297718,	2553.3962,	21962,	299736,	2551.0430,
6.386915			6.381034			6.375153		
21887,	301128,	2555.6875,	21925,	299268,	2553.3343,	21963,	299326,	2550.9810,
6.386760			6.380879			6.374998		
21888,	300740,	2555.6256,	21926,	300674,	2553.2723,	21964,	299246,	2550.9191,
6.386605			6.380724			6.374843		
21889,	300272,	2555.5636,	21927,	301336,	2553.2104,	21965,	299112,	2550.8572,
6.386450			6.380570			6.374689		
21890,	299658,	2555.5017,	21928,	301210,	2553.1485,	21966,	298752,	2550.7953,
6.386296			6.380415			6.374534		
21891,	299078,	2555.4398,	21929,	300848,	2553.0866,	21967,	298518,	2550.7333,
6.386141			6.380260			6.374379		
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6.385986			6.380105			6.374224		
21893,	298892,	2555.3159,	21931,	301140,	2552.9627,	21969,	300138,	2550.6095,
6.385831			6.379950			6.374070		
21894,	299006,	2555.2540,	21932,	301204,	2552.9008,	21970,	301588,	2550.5476,
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21896,	298224,	2555.1301,	21934,	299586,	2552.7769,	21972,	302866,	2550.4237,
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21973,	302690,	2550.3618,	22011,	303244,	2548.0085,	22049,	304618,	2545.6553,
6.373451			6.367570			6.361689		
21974,	302508,	2550.2998,	22012,	303100,	2547.9466,	22050,	304890,	2545.5934,
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21975,	302456,	2550.2379,	22013,	303368,	2547.8847,	22051,	305598,	2545.5315,
6.373141			6.367260			6.361380		
21976,	302358,	2550.1760,	22014,	303568,	2547.8228,	22052,	306198,	2545.4695,
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21978,	301652,	2550.0521,	22016,	303548,	2547.6989,	22054,	305992,	2545.3457,
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6.372522			6.366641			6.360761		
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21985,	303320,	2549.6186,	22023,	303276,	2547.2654,	22061,	300838,	2544.9122,
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21986,	303918,	2549.5567,	22024,	303808,	2547.2035,	22062,	300464,	2544.8503,
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21987,	304244,	2549.4948,	22025,	303944,	2547.1416,	22063,	299958,	2544.7883,
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21993,	304302,	2549.1232,	22031,	302734,	2546.7700,	22069,	302676,	2544.4168,
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21998,	303782,	2548.8136,	22036,	304344,	2546.4604,	22074,	302466,	2544.1072,
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22214,	310386,	2535.4374,	22252,	310808,	2533.0842,	22290,	307148,	2530.7309,
6.336154			6.330273			6.324392		
22215,	310264,	2535.3755,	22253,	310148,	2533.0222,	22291,	306744,	2530.6690,
6.335999			6.330118			6.324238		
22216,	309646,	2535.3135,	22254,	309274,	2532.9603,	22292,	306870,	2530.6071,
6.335845			6.329964			6.324083		
22217,	309048,	2535.2516,	22255,	308904,	2532.8984,	22293,	307612,	2530.5452,
6.335690			6.329809			6.323928		
22218,	308790,	2535.1897,	22256,	309192,	2532.8365,	22294,	308584,	2530.4832,
6.335535			6.329654			6.323773		
22219,	308718,	2535.1278,	22257,	309580,	2532.7745,	22295,	309160,	2530.4213,
6.335380			6.329499			6.323619		
22220,	308498,	2535.0658,	22258,	309388,	2532.7126,	22296,	309088,	2530.3594,
6.335226			6.329345			6.323464		
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6.335071			6.329190			6.323309		
22222,	307810,	2534.9420,	22260,	307840,	2532.5887,	22298,	308912,	2530.2355,
6.334916			6.329035			6.323154		
22223,	307942,	2534.8800,	22261,	307810,	2532.5268,	22299,	309706,	2530.1736,
6.334761			6.328880			6.323000		
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6.334606			6.328726			6.322845		
22225,	308692,	2534.7562,	22263,	309520,	2532.4030,	22301,	311200,	2530.0497,
6.334452			6.328571			6.322690		
22226,	308784,	2534.6943,	22264,	310216,	2532.3410,	22302,	311026,	2529.9878,
6.334297			6.328416			6.322535		
22227,	308880,	2534.6323,	22265,	310604,	2532.2791,	22303,	310618,	2529.9259,
6.334142			6.328261			6.322381		
22228,	309330,	2534.5704,	22266,	311002,	2532.2172,	22304,	310562,	2529.8640,
6.333987			6.328107			6.322226		
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22230,	310760,	2534.4466,	22268,	312096,	2532.0933,	22306,	311384,	2529.7401,
6.333678			6.327797			6.321916		
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6.333523			6.327642			6.321762		
22232,	310650,	2534.3227,	22270,	311966,	2531.9695,	22308,	311320,	2529.6163,
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22233,	310342,	2534.2608,	22271,	311490,	2531.9076,	22309,	311280,	2529.5543,
6.333214			6.327333			6.321452		
22234,	310258,	2534.1988,	22272,	311018,	2531.8456,	22310,	311556,	2529.4924,
6.333059			6.327178			6.321297		
22235,	310194,	2534.1369,	22273,	310494,	2531.7837,	22311,	311916,	2529.4305,
6.332904			6.327023			6.321143		
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22237,	309024,	2534.0131,	22275,	308870,	2531.6598,	22313,	312026,	2529.3066,
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22238,	308242,	2533.9511,	22276,	308208,	2531.5979,	22314,	312204,	2529.2447,
6.332440			6.326559			6.320678		

22315,	312888,	2529.1828,	22353,	311070,	2526.8295,	22391,	311140,	2524.4763,
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22316,	313880,	2529.1208,	22354,	311854,	2526.7676,	22392,	311630,	2524.4144,
6.320369			6.314488			6.308607		
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6.320214			6.314333			6.308452		
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6.320059			6.314178			6.308298		
22319,	314960,	2528.9351,	22357,	311880,	2526.5818,	22395,	311840,	2524.2286,
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6.319595			6.313714			6.307833		
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6.319131			6.313250			6.307369		
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6.318512			6.312631			6.306750		
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6.318357			6.312476			6.306595		
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6.318047			6.312167			6.306286		
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22561,	318864,	2513.9488,	22599,	322174,	2511.5955,	22637,	322784,	2509.2423,
6.282453			6.276572			6.270692		
22562,	319466,	2513.8868,	22600,	321358,	2511.5336,	22638,	323468,	2509.1804,
6.282298			6.276418			6.270537		
22563,	320504,	2513.8249,	22601,	320530,	2511.4717,	22639,	323740,	2509.1185,
6.282144			6.276263			6.270382		
22564,	321814,	2513.7630,	22602,	320034,	2511.4097,	22640,	323712,	2509.0565,
6.281989			6.276108			6.270227		
22565,	322864,	2513.7010,	22603,	319754,	2511.3478,	22641,	323588,	2508.9946,
6.281834			6.275953			6.270073		
22566,	323132,	2513.6391,	22604,	319314,	2511.2859,	22642,	323504,	2508.9327,
6.281679			6.275799			6.269918		
22567,	322620,	2513.5772,	22605,	318588,	2511.2240,	22643,	323576,	2508.8707,
6.281525			6.275644			6.269763		
22568,	321872,	2513.5153,	22606,	317892,	2511.1620,	22644,	323856,	2508.8088,
6.281370			6.275489			6.269608		
22569,	321430,	2513.4533,	22607,	317670,	2511.1001,	22645,	324230,	2508.7469,
6.281215			6.275334			6.269453		
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6.281060			6.275180			6.269299		
22571,	321184,	2513.3295,	22609,	318668,	2510.9763,	22647,	324074,	2508.6230,
6.280906			6.275025			6.269144		
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22573,	320372,	2513.2056,	22611,	319752,	2510.8524,	22649,	322498,	2508.4992,
6.280596			6.274715			6.268834		
22574,	320484,	2513.1437,	22612,	320278,	2510.7905,	22650,	322078,	2508.4373,
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22575,	321176,	2513.0818,	22613,	320766,	2510.7286,	22651,	322084,	2508.3753,
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22576,	321894,	2513.0198,	22614,	320870,	2510.6666,	22652,	322182,	2508.3134,
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6.267442			6.261561			6.255680		
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6.249954			6.244073			6.238192		
22772,	326302,	2500.8822,	22810,	327556,	2498.5290,	22848,	330570,	2496.1757,
6.249799			6.243918			6.238038		
22773,	325898,	2500.8202,	22811,	327062,	2498.4670,	22849,	330934,	2496.1138,
6.249645			6.243764			6.237883		
22774,	325638,	2500.7583,	22812,	326886,	2498.4051,	22850,	331446,	2496.0519,
6.249490			6.243609			6.237728		
22775,	325848,	2500.6964,	22813,	327102,	2498.3432,	22851,	332114,	2495.9899,
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22776,	326354,	2500.6345,	22814,	327292,	2498.2812,	22852,	332538,	2495.9280,
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6.249025			6.243145			6.237264		
22778,	326504,	2500.5106,	22816,	326412,	2498.1574,	22854,	331484,	2495.8042,
6.248871			6.242990			6.237109		
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6.248716			6.242835			6.236954		
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6.248561			6.242680			6.236800		
22781,	325728,	2500.3248,	22819,	327212,	2497.9716,	22857,	331484,	2495.6184,
6.248406			6.242526			6.236645		
22782,	325744,	2500.2629,	22820,	327976,	2497.9097,	22858,	332202,	2495.5565,
6.248252			6.242371			6.236490		
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6.248097			6.242216			6.236335		
22784,	325146,	2500.1391,	22822,	327736,	2497.7858,	22860,	331810,	2495.4326,
6.247942			6.242061			6.236181		
22785,	325028,	2500.0771,	22823,	327386,	2497.7239,	22861,	331156,	2495.3707,
6.247787			6.241907			6.236026		
22786,	325424,	2500.0152,	22824,	327428,	2497.6620,	22862,	330782,	2495.3088,
6.247633			6.241752			6.235871		
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22802,	328056,	2499.0244,	22840,	332086,	2496.6711,	22878,	330586,	2494.3179,
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6.228907			6.223026			6.217145		
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6.228752			6.222871			6.216991		
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6.228597			6.222717			6.216836		
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6.228443			6.222562			6.216681		
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6.228288			6.222407			6.216526		
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6.228133			6.222252			6.216372		
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6.227824			6.221943			6.216062		
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6.227669			6.221788			6.215907		
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6.227514			6.221633			6.215753		
22917,	331460,	2491.9028,	22955,	333168,	2489.5495,	22993,	333528,	2487.1963,
6.227359			6.221479			6.215598		
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6.227205			6.221324			6.215443		
22919,	331788,	2491.7789,	22957,	334648,	2489.4257,	22995,	333636,	2487.0725,
6.227050			6.221169			6.215288		
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6.226895			6.221014			6.215134		
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23001,	335306,	2486.7009,	23039,	334218,	2484.3477,	23077,	338418,	2481.9945,
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23002,	335476,	2486.6390,	23040,	333582,	2484.2858,	23078,	338824,	2481.9325,
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6.213895			6.208015			6.202134		
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23007,	334302,	2486.3294,	23045,	335628,	2483.9761,	23083,	337652,	2481.6229,
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6.175516			6.169635			6.163754		
23253,	345812,	2471.0953,	23291,	344058,	2468.7421,	23329,	345890,	2466.3889,
6.175361			6.169480			6.163599		
23254,	346532,	2471.0334,	23292,	343934,	2468.6802,	23330,	345702,	2466.3270,
6.175206			6.169325			6.163444		
23255,	346988,	2470.9715,	23293,	343328,	2468.6183,	23331,	345534,	2466.2650,
6.175051			6.169171			6.163290		
23256,	347238,	2470.9096,	23294,	342850,	2468.5563,	23332,	345768,	2466.2031,
6.174897			6.169016			6.163135		
23257,	347284,	2470.8476,	23295,	342992,	2468.4944,	23333,	346322,	2466.1412,
6.174742			6.168861			6.162980		
23258,	346940,	2470.7857,	23296,	343656,	2468.4325,	23334,	346652,	2466.0793,
6.174587			6.168706			6.162825		
23259,	346090,	2470.7238,	23297,	344328,	2468.3705,	23335,	346318,	2466.0173,
6.174432			6.168551			6.162671		
23260,	344974,	2470.6618,	23298,	344626,	2468.3086,	23336,	345438,	2465.9554,
6.174278			6.168397			6.162516		
23261,	344114,	2470.5999,	23299,	344622,	2468.2467,	23337,	344620,	2465.8935,
6.174123			6.168242			6.162361		
23262,	343826,	2470.5380,	23300,	344608,	2468.1848,	23338,	344330,	2465.8315,
6.173968			6.168087			6.162206		
23263,	343900,	2470.4761,	23301,	344728,	2468.1228,	23339,	344514,	2465.7696,
6.173813			6.167932			6.162052		
23264,	343824,	2470.4141,	23302,	344870,	2468.0609,	23340,	344780,	2465.7077,
6.173658			6.167778			6.161897		



23341,	344930,	2465.6458,	23379,	348120,	2463.2925,	23417,	351508,	2460.9393,
6.161742			6.155861			6.149981		
23342,	345154,	2465.5838,	23380,	347786,	2463.2306,	23418,	351304,	2460.8774,
6.161587			6.155707			6.149826		
23343,	345718,	2465.5219,	23381,	347824,	2463.1687,	23419,	351306,	2460.8155,
6.161433			6.155552			6.149671		
23344,	346484,	2465.4600,	23382,	348302,	2463.1068,	23420,	351440,	2460.7535,
6.161278			6.155397			6.149516		
23345,	346986,	2465.3981,	23383,	348820,	2463.0448,	23421,	351296,	2460.6916,
6.161123			6.155242			6.149362		
23346,	346918,	2465.3361,	23384,	348978,	2462.9829,	23422,	350642,	2460.6297,
6.160968			6.155088			6.149207		
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6.160814			6.154933			6.149052		
23348,	346220,	2465.2123,	23386,	348636,	2462.8591,	23424,	349336,	2460.5058,
6.160659			6.154778			6.148897		
23349,	346368,	2465.1503,	23387,	348696,	2462.7971,	23425,	349536,	2460.4439,
6.160504			6.154623			6.148742		
23350,	346700,	2465.0884,	23388,	348850,	2462.7352,	23426,	350102,	2460.3820,
6.160349			6.154469			6.148588		
23351,	346838,	2465.0265,	23389,	348872,	2462.6733,	23427,	350504,	2460.3201,
6.160195			6.154314			6.148433		
23352,	346788,	2464.9646,	23390,	348840,	2462.6113,	23428,	350526,	2460.2581,
6.160040			6.154159			6.148278		
23353,	346968,	2464.9026,	23391,	349120,	2462.5494,	23429,	350386,	2460.1962,
6.159885			6.154004			6.148123		
23354,	347696,	2464.8407,	23392,	349876,	2462.4875,	23430,	350394,	2460.1343,
6.159730			6.153849			6.147969		
23355,	348750,	2464.7788,	23393,	350756,	2462.4256,	23431,	350586,	2460.0723,
6.159576			6.153695			6.147814		
23356,	349506,	2464.7169,	23394,	351156,	2462.3636,	23432,	350788,	2460.0104,
6.159421			6.153540			6.147659		
23357,	349592,	2464.6549,	23395,	350854,	2462.3017,	23433,	350948,	2459.9485,
6.159266			6.153385			6.147504		
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6.159111			6.153230			6.147350		
23359,	348958,	2464.5311,	23397,	350078,	2462.1779,	23435,	351876,	2459.8246,
6.158957			6.153076			6.147195		
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6.158802			6.152921			6.147040		
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6.158647			6.152766			6.146885		
23362,	348436,	2464.3453,	23400,	350930,	2461.9921,	23438,	352398,	2459.6389,
6.158492			6.152611			6.146731		
23363,	347574,	2464.2834,	23401,	350374,	2461.9302,	23439,	351620,	2459.5769,
6.158337			6.152457			6.146576		
23364,	346902,	2464.2214,	23402,	349746,	2461.8682,	23440,	351150,	2459.5150,
6.158183			6.152302			6.146421		
23365,	346876,	2464.1595,	23403,	349538,	2461.8063,	23441,	351324,	2459.4531,
6.158028			6.152147			6.146266		
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6.157873			6.151992			6.146112		
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6.157718			6.151838			6.145957		
23368,	347746,	2463.9737,	23406,	349460,	2461.6205,	23444,	351710,	2459.2673,
6.157564			6.151683			6.145802		
23369,	347516,	2463.9118,	23407,	348824,	2461.5586,	23445,	351056,	2459.2054,
6.157409			6.151528			6.145647		
23370,	347530,	2463.8499,	23408,	348334,	2461.4967,	23446,	350584,	2459.1434,
6.157254			6.151373			6.145493		
23371,	347916,	2463.7880,	23409,	348198,	2461.4347,	23447,	350472,	2459.0815,
6.157099			6.151219			6.145338		
23372,	348308,	2463.7260,	23410,	348276,	2461.3728,	23448,	350504,	2459.0196,
6.156945			6.151064			6.145183		
23373,	348300,	2463.6641,	23411,	348372,	2461.3109,	23449,	350470,	2458.9577,
6.156790			6.150909			6.145028		
23374,	347936,	2463.6022,	23412,	348566,	2461.2490,	23450,	350442,	2458.8957,
6.156635			6.150754			6.144874		
23375,	347668,	2463.5402,	23413,	349120,	2461.1870,	23451,	350658,	2458.8338,
6.156480			6.150600			6.144719		
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6.156326			6.150445			6.144564		
23377,	348212,	2463.4164,	23415,	351030,	2461.0632,	23453,	351524,	2458.7100,
6.156171			6.150290			6.144409		
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6.156016			6.150135			6.144255		

23455,	351298,	2458.5861,	23493,	354570,	2456.2329,	23531,	354996,	2453.8797,
6.144100			6.138219			6.132338		
23456,	351252,	2458.5242,	23494,	354220,	2456.1709,	23532,	354512,	2453.8177,
6.143945			6.138064			6.132183		
23457,	351690,	2458.4622,	23495,	354306,	2456.1090,	23533,	354394,	2453.7558,
6.143790			6.137909			6.132029		
23458,	352406,	2458.4003,	23496,	354620,	2456.0471,	23534,	354520,	2453.6939,
6.143635			6.137755			6.131874		
23459,	352884,	2458.3384,	23497,	354732,	2455.9852,	23535,	354552,	2453.6319,
6.143481			6.137600			6.131719		
23460,	352890,	2458.2765,	23498,	354536,	2455.9232,	23536,	354456,	2453.5700,
6.143326			6.137445			6.131564		
23461,	352710,	2458.2145,	23499,	354370,	2455.8613,	23537,	354586,	2453.5081,
6.143171			6.137290			6.131410		
23462,	352810,	2458.1526,	23500,	354586,	2455.7994,	23538,	355222,	2453.4462,
6.143016			6.137136			6.131255		
23463,	353300,	2458.0907,	23501,	355072,	2455.7375,	23539,	356142,	2453.3842,
6.142862			6.136981			6.131100		
23464,	353826,	2458.0288,	23502,	355332,	2455.6755,	23540,	356804,	2453.3223,
6.142707			6.136826			6.130945		
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6.142552			6.136671			6.130791		
23466,	353760,	2457.9049,	23504,	354418,	2455.5517,	23542,	356908,	2453.1985,
6.142397			6.136517			6.130636		
23467,	353450,	2457.8430,	23505,	353944,	2455.4898,	23543,	357336,	2453.1365,
6.142243			6.136362			6.130481		
23468,	353266,	2457.7810,	23506,	353816,	2455.4278,	23544,	358366,	2453.0746,
6.142088			6.136207			6.130326		
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6.141933			6.136052			6.130172		
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6.141778			6.135898			6.130017		
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6.141624			6.135743			6.129862		
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6.141469			6.135588			6.129707		
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6.141314			6.135433			6.129553		
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6.141159			6.135279			6.129398		
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6.141005			6.135124			6.129243		
23476,	355892,	2457.2856,	23514,	353602,	2454.9324,	23552,	356912,	2452.5792,
6.140850			6.134969			6.129088		
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6.140540			6.134660			6.128779		
23479,	354588,	2457.0999,	23517,	352722,	2454.7466,	23555,	357166,	2452.3934,
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6.140231			6.134350			6.128469		
23481,	354638,	2456.9760,	23519,	353982,	2454.6228,	23557,	358556,	2452.2696,
6.140076			6.134195			6.128314		
23482,	354248,	2456.9141,	23520,	354080,	2454.5608,	23558,	358894,	2452.2076,
6.139921			6.134041			6.128160		
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6.139767			6.133886			6.128005		
23484,	353712,	2456.7902,	23522,	354362,	2454.4370,	23560,	360160,	2452.0838,
6.139612			6.133731			6.127850		
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6.139457			6.133576			6.127695		
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6.139302			6.133421			6.127541		
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6.139148			6.133267			6.127386		
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6.138993			6.133112			6.127231		
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6.138838			6.132957			6.127076		
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6.138683			6.132802			6.126922		
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6.138528			6.132648			6.126767		
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6.138374			6.132493			6.126612		

23569,	358378,	2451.5264,	23607,	359754,	2449.1732,	23645,	355446,	2446.8200,
6.126457			6.120577			6.114696		
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6.126148			6.120267			6.114386		
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6.125993			6.120112			6.114232		
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6.125838			6.119958			6.114077		
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6.125684			6.119803			6.113922		
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6.125529			6.119648			6.113767		
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6.125219			6.119339			6.113458		
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6.125065			6.119184			6.113303		
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6.124910			6.119029			6.113148		
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6.124600			6.118720			6.112839		
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6.124446			6.118565			6.112684		
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6.123672			6.117791			6.111910		
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6.123517			6.117636			6.111755		
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6.123362			6.117481			6.111601		
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6.123207			6.117327			6.111446		
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6.123053			6.117172			6.111291		
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6.122898			6.117017			6.111136		
23593,	357628,	2450.0402,	23631,	359212,	2447.6870,	23669,	358872,	2445.3337,
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6.122588			6.116708			6.110827		
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6.122124			6.116243			6.110363		
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6.121969			6.116089			6.110208		
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6.121815			6.115934			6.110053		
23600,	359660,	2449.6067,	23638,	355308,	2447.2535,	23676,	362382,	2444.9003,
6.121660			6.115779			6.109898		
23601,	359674,	2449.5448,	23639,	354748,	2447.1915,	23677,	361890,	2444.8383,
6.121505			6.115624			6.109744		
23602,	359480,	2449.4828,	23640,	354196,	2447.1296,	23678,	361516,	2444.7764,
6.121350			6.115470			6.109589		
23603,	359480,	2449.4209,	23641,	353970,	2447.0677,	23679,	361714,	2444.7145,
6.121196			6.115315			6.109434		
23604,	359734,	2449.3590,	23642,	354064,	2447.0058,	23680,	362228,	2444.6525,
6.121041			6.115160			6.109279		
23605,	359984,	2449.2971,	23643,	354288,	2446.9438,	23681,	362402,	2444.5906,
6.120886			6.115005			6.109125		
23606,	359976,	2449.2351,	23644,	354668,	2446.8819,	23682,	361918,	2444.5287,
6.120731			6.114851			6.108970		

23683,	361168,	2444.4668,	23721,	363316,	2442.1135,	23759,	364290,	2439.7603,
6.108815			6.102934			6.097053		
23684,	360806,	2444.4048,	23722,	363428,	2442.0516,	23760,	364614,	2439.6984,
6.108660			6.102779			6.096899		
23685,	361024,	2444.3429,	23723,	364218,	2441.9897,	23761,	365192,	2439.6365,
6.108505			6.102625			6.096744		
23686,	361368,	2444.2810,	23724,	365020,	2441.9278,	23762,	365416,	2439.5745,
6.108351			6.102470			6.096589		
23687,	361308,	2444.2191,	23725,	365172,	2441.8658,	23763,	364914,	2439.5126,
6.108196			6.102315			6.096434		
23688,	360888,	2444.1571,	23726,	364638,	2441.8039,	23764,	364102,	2439.4507,
6.108041			6.102160			6.096280		
23689,	360644,	2444.0952,	23727,	363930,	2441.7420,	23765,	363822,	2439.3888,
6.107886			6.102006			6.096125		
23690,	360966,	2444.0333,	23728,	363436,	2441.6801,	23766,	364482,	2439.3268,
6.107732			6.101851			6.095970		
23691,	361652,	2443.9713,	23729,	363026,	2441.6181,	23767,	365602,	2439.2649,
6.107577			6.101696			6.095815		
23692,	362158,	2443.9094,	23730,	362390,	2441.5562,	23768,	366326,	2439.2030,
6.107422			6.101541			6.095661		
23693,	362252,	2443.8475,	23731,	361600,	2441.4943,	23769,	366322,	2439.1410,
6.107267			6.101387			6.095506		
23694,	362296,	2443.7856,	23732,	361178,	2441.4323,	23770,	366056,	2439.0791,
6.107113			6.101232			6.095351		
23695,	362784,	2443.7236,	23733,	361526,	2441.3704,	23771,	366240,	2439.0172,
6.106958			6.101077			6.095196		
23696,	363740,	2443.6617,	23734,	362444,	2441.3085,	23772,	366998,	2438.9553,
6.106803			6.100922			6.095042		
23697,	364670,	2443.5998,	23735,	363314,	2441.2466,	23773,	367794,	2438.8933,
6.106648			6.100768			6.094887		
23698,	365066,	2443.5379,	23736,	363792,	2441.1846,	23774,	368042,	2438.8314,
6.106494			6.100613			6.094732		
23699,	364932,	2443.4759,	23737,	364136,	2441.1227,	23775,	367746,	2438.7695,
6.106339			6.100458			6.094577		
23700,	364656,	2443.4140,	23738,	364806,	2441.0608,	23776,	367390,	2438.7076,
6.106184			6.100303			6.094423		
23701,	364472,	2443.3521,	23739,	365762,	2440.9989,	23777,	367334,	2438.6456,
6.106029			6.100149			6.094268		
23702,	364202,	2443.2902,	23740,	366396,	2440.9369,	23778,	367418,	2438.5837,
6.105875			6.099994			6.094113		
23703,	363562,	2443.2282,	23741,	366172,	2440.8750,	23779,	367264,	2438.5218,
6.105720			6.099839			6.093958		
23704,	362644,	2443.1663,	23742,	365314,	2440.8131,	23780,	366824,	2438.4599,
6.105565			6.099684			6.093804		
23705,	361956,	2443.1044,	23743,	364638,	2440.7511,	23781,	366462,	2438.3979,
6.105410			6.099530			6.093649		
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6.105256			6.099375			6.093494		
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6.105101			6.099220			6.093339		
23708,	363274,	2442.9186,	23746,	365544,	2440.5654,	23784,	366824,	2438.2121,
6.104946			6.099065			6.093184		
23709,	363852,	2442.8567,	23747,	365134,	2440.5034,	23785,	366236,	2438.1502,
6.104791			6.098911			6.093030		
23710,	364296,	2442.7947,	23748,	364474,	2440.4415,	23786,	365324,	2438.0883,
6.104637			6.098756			6.092875		
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6.104482			6.098601			6.092720		
23712,	364970,	2442.6709,	23750,	364818,	2440.3177,	23788,	364696,	2437.9644,
6.104327			6.098446			6.092565		
23713,	364646,	2442.6090,	23751,	365446,	2440.2557,	23789,	365202,	2437.9025,
6.104172			6.098291			6.092411		
23714,	363688,	2442.5470,	23752,	365512,	2440.1938,	23790,	365888,	2437.8406,
6.104018			6.098137			6.092256		
23715,	362658,	2442.4851,	23753,	364948,	2440.1319,	23791,	366598,	2437.7787,
6.103863			6.097982			6.092101		
23716,	362322,	2442.4232,	23754,	364334,	2440.0700,	23792,	367354,	2437.7167,
6.103708			6.097827			6.091946		
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6.103553			6.097672			6.091792		
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6.103398			6.097518			6.091637		
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6.103244			6.097363			6.091482		
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6.103089			6.097208			6.091327		

23797,	366984,	2437.4071,	23835,	369490,	2435.0539,	23873,	370928,	2432.7007,
6.091173			6.085292			6.079411		
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6.091018			6.085137			6.079256		
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6.090554			6.084673			6.078792		
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6.090399			6.084518			6.078637		
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6.090244			6.084363			6.078483		
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6.090089			6.084209			6.078328		
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6.089935			6.084054			6.078173		
23806,	369818,	2436.8498,	23844,	367144,	2434.4965,	23882,	371870,	2432.1433,
6.089780			6.083899			6.078018		
23807,	369728,	2436.7878,	23845,	366818,	2434.4346,	23883,	371020,	2432.0814,
6.089625			6.083744			6.077863		
23808,	369410,	2436.7259,	23846,	367100,	2434.3727,	23884,	370288,	2432.0195,
6.089470			6.083590			6.077709		
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6.089316			6.083435			6.077554		
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6.089161			6.083280			6.077399		
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6.089006			6.083125			6.077244		
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6.088851			6.082970			6.077090		
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6.088697			6.082816			6.076935		
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6.088542			6.082661			6.076780		
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6.088387			6.082506			6.076625		
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6.088077			6.082197			6.076316		
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23820,	370080,	2435.9828,	23858,	370222,	2433.6296,	23896,	373452,	2431.2763,
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6.087458			6.081578			6.075697		
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6.086994			6.081113			6.075233		
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23833,	370366,	2435.1777,	23871,	371838,	2432.8245,	23909,	373314,	2430.4713,
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23834,	369930,	2435.1158,	23872,	371294,	2432.7626,	23910,	372912,	2430.4094,
6.085447			6.079566			6.073685		

23911,	372832,	2430.3474,	23949,	374424,	2427.9942,	23987,	376498,	2425.6410,
6.073530			6.067649			6.061769		
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6.073376			6.067495			6.061614		
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6.073221			6.067340			6.061459		
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23916,	374144,	2430.0378,	23954,	372912,	2427.6846,	23992,	375126,	2425.3313,
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6.072602			6.066721			6.060840		
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6.072292			6.066411			6.060531		
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6.072137			6.066257			6.060376		
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23945,	373842,	2428.2419,	23983,	378554,	2425.8887,	24021,	377558,	2423.5355,
6.068269			6.062388			6.056507		
23946,	374880,	2428.1800,	23984,	378558,	2425.8268,	24022,	378388,	2423.4735,
6.068114			6.062233			6.056352		
23947,	375320,	2428.1181,	23985,	377912,	2425.7648,	24023,	378608,	2423.4116,
6.067959			6.062078			6.056197		
23948,	375016,	2428.0561,	23986,	377016,	2425.7029,	24024,	378304,	2423.3497,
6.067804			6.061923			6.056043		

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6.055888			6.050007			6.044126		
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6.055733			6.049852			6.043972		
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6.055578			6.049698			6.043817		
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6.055424			6.049543			6.043662		
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6.055269			6.049388			6.043507		
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6.055114			6.049233			6.043353		
24031,	378784,	2422.9162,	24069,	382388,	2420.5630,	24107,	381514,	2418.2098,
6.054959			6.049079			6.043198		
24032,	378678,	2422.8543,	24070,	382098,	2420.5011,	24108,	382370,	2418.1478,
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6.054650			6.048769			6.042888		
24034,	377712,	2422.7304,	24072,	380916,	2420.3772,	24110,	383022,	2418.0240,
6.054495			6.048614			6.042733		
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6.054340			6.048460			6.042579		
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6.054031			6.048150			6.042269		
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6.053876			6.047995			6.042114		
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6.053721			6.047840			6.041960		
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24042,	378204,	2422.2350,	24080,	380412,	2419.8818,	24118,	382808,	2417.5286,
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6.053102			6.047221			6.041341		
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6.002806			5.996925			5.991044		
24369,	393910,	2401.9849,	24407,	393814,	2399.6317,	24445,	399618,	2397.2785,
6.002651			5.996770			5.990890		
24370,	393738,	2401.9230,	24408,	393938,	2399.5698,	24446,	399408,	2397.2165,
6.002496			5.996616			5.990735		
24371,	393644,	2401.8611,	24409,	394126,	2399.5078,	24447,	399486,	2397.1546,
6.002342			5.996461			5.990580		
24372,	393888,	2401.7991,	24410,	394582,	2399.4459,	24448,	400036,	2397.0927,
6.002187			5.996306			5.990425		
24373,	394360,	2401.7372,	24411,	395086,	2399.3840,	24449,	400670,	2397.0308,
6.002032			5.996151			5.990271		
24374,	394712,	2401.6753,	24412,	395216,	2399.3220,	24450,	400774,	2396.9688,
6.001877			5.995997			5.990116		
24375,	394826,	2401.6133,	24413,	394826,	2399.2601,	24451,	400210,	2396.9069,
6.001723			5.995842			5.989961		
24376,	395002,	2401.5514,	24414,	394272,	2399.1982,	24452,	399490,	2396.8450,
6.001568			5.995687			5.989806		
24377,	395630,	2401.4895,	24415,	394062,	2399.1363,	24453,	399232,	2396.7830,
6.001413			5.995532			5.989652		
24378,	396652,	2401.4276,	24416,	394406,	2399.0743,	24454,	399530,	2396.7211,
6.001258			5.995378			5.989497		
24379,	397544,	2401.3656,	24417,	395076,	2399.0124,	24455,	399926,	2396.6592,
6.001104			5.995223			5.989342		
24380,	397786,	2401.3037,	24418,	395708,	2398.9505,	24456,	400004,	2396.5973,
6.000949			5.995068			5.989187		
24381,	397386,	2401.2418,	24419,	396110,	2398.8886,	24457,	399832,	2396.5353,
6.000794			5.994913			5.989033		
24382,	396818,	2401.1799,	24420,	396218,	2398.8266,	24458,	399822,	2396.4734,
6.000639			5.994759			5.988878		
24383,	396486,	2401.1179,	24421,	395948,	2398.7647,	24459,	400170,	2396.4115,
6.000485			5.994604			5.988723		
24384,	396352,	2401.0560,	24422,	395236,	2398.7028,	24460,	400658,	2396.3496,
6.000330			5.994449			5.988568		
24385,	396100,	2400.9941,	24423,	394334,	2398.6409,	24461,	400986,	2396.2876,
6.000175			5.994294			5.988414		
24386,	395632,	2400.9321,	24424,	393858,	2398.5789,	24462,	401220,	2396.2257,
6.000020			5.994140			5.988259		
24387,	395240,	2400.8702,	24425,	394368,	2398.5170,	24463,	401736,	2396.1638,
5.999866			5.993985			5.988104		
24388,	395276,	2400.8083,	24426,	395790,	2398.4551,	24464,	402686,	2396.1018,
5.999711			5.993830			5.987949		
24389,	395716,	2400.7464,	24427,	397288,	2398.3931,	24465,	403638,	2396.0399,
5.999556			5.993675			5.987795		
24390,	396158,	2400.6844,	24428,	397946,	2398.3312,	24466,	403966,	2395.9780,
5.999401			5.993521			5.987640		
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24392,	396300,	2400.5606,	24430,	396908,	2398.2074,	24468,	402820,	2395.8541,
5.999092			5.993211			5.987330		
24393,	396558,	2400.4987,	24431,	396730,	2398.1454,	24469,	402646,	2395.7922,
5.998937			5.993056			5.987175		
24394,	397238,	2400.4367,	24432,	397218,	2398.0835,	24470,	403158,	2395.7303,
5.998782			5.992902			5.987021		
24395,	398034,	2400.3748,	24433,	397802,	2398.0216,	24471,	403840,	2395.6684,
5.998628			5.992747			5.986866		
24396,	398462,	2400.3129,	24434,	397950,	2397.9597,	24472,	404096,	2395.6064,
5.998473			5.992592			5.986711		
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5.998318			5.992437			5.986556		
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5.997854			5.991973			5.986092		
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5.997699			5.991818			5.985937		
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5.997544			5.991663			5.985783		
24403,	393388,	2399.8794,	24441,	399974,	2397.5262,	24479,	404206,	2395.1729,
5.997389			5.991509			5.985628		
24404,	392792,	2399.8175,	24442,	399470,	2397.4642,	24480,	404766,	2395.1110,
5.997235			5.991354			5.985473		

24481,	405582,	2395.0491,	24519,	403044,	2392.6959,	24557,	410010,	2390.3426,
5.985318			5.979438			5.973557		
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24483,	405304,	2394.9252,	24521,	402992,	2392.5720,	24559,	408402,	2390.2188,
5.985009			5.979128			5.973247		
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5.984854			5.978973			5.973093		
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5.984699			5.978819			5.972938		
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5.984545			5.978664			5.972783		
24487,	404010,	2394.6775,	24525,	404426,	2392.3243,	24563,	408376,	2389.9711,
5.984390			5.978509			5.972628		
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5.984080			5.978200			5.972319		
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24493,	403112,	2394.3060,	24531,	407436,	2391.9527,	24569,	409358,	2389.5995,
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5.983152			5.977271			5.971390		
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5.982068			5.976188			5.970307		
24503,	401748,	2393.6867,	24541,	407570,	2391.3335,	24579,	411824,	2388.9803,
5.981914			5.976033			5.970152		
24504,	401900,	2393.6248,	24542,	408282,	2391.2716,	24580,	411620,	2388.9183,
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24505,	401486,	2393.5628,	24543,	408262,	2391.2096,	24581,	410854,	2388.8564,
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5.981449			5.975569			5.969688		
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5.980985			5.975104			5.969224		
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24595,	407334,	2387.9894,	24633,	405428,	2385.6362,	24671,	414024,	2383.2830,
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24596,	407304,	2387.9275,	24634,	405312,	2385.5743,	24672,	413956,	2383.2211,
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5.966593			5.960712			5.954831		
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5.966438			5.960557			5.954676		
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5.966283			5.960402			5.954522		
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5.966128			5.960248			5.954367		
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24608,	411426,	2387.1844,	24646,	406420,	2384.8312,	24684,	415404,	2382.4779,
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5.965200			5.959319			5.953438		
24612,	415938,	2386.9367,	24650,	406080,	2384.5834,	24688,	417230,	2382.2302,
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5.962414			5.956533			5.950653		
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24709,	419000,	2380.9298,	24747,	415460,	2378.5765,	24785,	420444,	2376.2233,
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24713,	417370,	2380.6821,	24751,	415434,	2378.3288,	24789,	419938,	2375.9756,
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24714,	417940,	2380.6201,	24752,	416518,	2378.2669,	24790,	419748,	2375.9137,
5.949260			5.943379			5.937498		
24715,	418332,	2380.5582,	24753,	417372,	2378.2050,	24791,	419452,	2375.8518,
5.949105			5.943224			5.937344		
24716,	418180,	2380.4963,	24754,	417770,	2378.1430,	24792,	419112,	2375.7898,
5.948950			5.943070			5.937189		
24717,	417806,	2380.4343,	24755,	418066,	2378.0811,	24793,	419074,	2375.7279,
5.948796			5.942915			5.937034		
24718,	417780,	2380.3724,	24756,	418666,	2378.0192,	24794,	419508,	2375.6660,
5.948641			5.942760			5.936879		
24719,	418276,	2380.3105,	24757,	419468,	2377.9573,	24795,	420064,	2375.6040,
5.948486			5.942605			5.936724		
24720,	418808,	2380.2486,	24758,	419940,	2377.8953,	24796,	420162,	2375.5421,
5.948331			5.942451			5.936570		
24721,	418778,	2380.1866,	24759,	419766,	2377.8334,	24797,	419686,	2375.4802,
5.948177			5.942296			5.936415		
24722,	418074,	2380.1247,	24760,	419254,	2377.7715,	24798,	419204,	2375.4183,
5.948022			5.942141			5.936260		
24723,	417104,	2380.0628,	24761,	419076,	2377.7096,	24799,	419426,	2375.3563,
5.947867			5.941986			5.936105		
24724,	416298,	2380.0009,	24762,	419534,	2377.6476,	24800,	420366,	2375.2944,
5.947712			5.941831			5.935951		
24725,	415694,	2379.9389,	24763,	420272,	2377.5857,	24801,	421278,	2375.2325,
5.947558			5.941677			5.935796		
24726,	415076,	2379.8770,	24764,	420704,	2377.5238,	24802,	421400,	2375.1706,
5.947403			5.941522			5.935641		
24727,	414428,	2379.8151,	24765,	420680,	2377.4619,	24803,	420760,	2375.1086,
5.947248			5.941367			5.935486		
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5.947093			5.941212			5.935332		
24729,	414254,	2379.6912,	24767,	420772,	2377.3380,	24805,	420258,	2374.9848,
5.946938			5.941058			5.935177		
24730,	414818,	2379.6293,	24768,	421192,	2377.2761,	24806,	420954,	2374.9228,
5.946784			5.940903			5.935022		
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5.946474			5.940593			5.934713		
24733,	414834,	2379.4435,	24771,	420844,	2377.0903,	24809,	420816,	2374.7371,
5.946319			5.940439			5.934558		
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5.946165			5.940284			5.934403		
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5.945855			5.939974			5.934094		
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5.932391			5.926510			5.920630		
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5.932236			5.926356			5.920475		
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5.931617			5.925737			5.919856		
24829,	423962,	2373.4985,	24867,	426942,	2371.1453,	24905,	427284,	2368.7921,
5.931463			5.925582			5.919701		
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5.930998			5.925118			5.919237		
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5.895868			5.889988			5.884107		
25060,	441540,	2359.1934,	25098,	442216,	2356.8402,	25136,	444814,	2354.4870,
5.895714			5.889833			5.883952		
25061,	441634,	2359.1315,	25099,	442732,	2356.7783,	25137,	444868,	2354.4250,
5.895559			5.889678			5.883797		
25062,	441728,	2359.0696,	25100,	442408,	2356.7163,	25138,	444624,	2354.3631,
5.895404			5.889523			5.883643		
25063,	441772,	2359.0076,	25101,	441606,	2356.6544,	25139,	444414,	2354.3012,
5.895249			5.889369			5.883488		
25064,	441922,	2358.9457,	25102,	441108,	2356.5925,	25140,	444746,	2354.2393,
5.895095			5.889214			5.883333		
25065,	442248,	2358.8838,	25103,	441260,	2356.5306,	25141,	445684,	2354.1773,
5.894940			5.889059			5.883178		
25066,	442522,	2358.8219,	25104,	441582,	2356.4686,	25142,	446710,	2354.1154,
5.894785			5.888904			5.883024		
25067,	442392,	2358.7599,	25105,	441312,	2356.4067,	25143,	447226,	2354.0535,
5.894630			5.888750			5.882869		
25068,	441804,	2358.6980,	25106,	440288,	2356.3448,	25144,	447202,	2353.9916,
5.894476			5.888595			5.882714		
25069,	441046,	2358.6361,	25107,	439136,	2356.2828,	25145,	447186,	2353.9296,
5.894321			5.888440			5.882559		
25070,	440430,	2358.5741,	25108,	438588,	2356.2209,	25146,	447604,	2353.8677,
5.894166			5.888285			5.882405		
25071,	439940,	2358.5122,	25109,	438700,	2356.1590,	25147,	448210,	2353.8058,
5.894011			5.888131			5.882250		
25072,	439304,	2358.4503,	25110,	438874,	2356.0971,	25148,	448340,	2353.7438,
5.893857			5.887976			5.882095		
25073,	438424,	2358.3884,	25111,	438628,	2356.0351,	25149,	447712,	2353.6819,
5.893702			5.887821			5.881940		
25074,	437608,	2358.3264,	25112,	438190,	2355.9732,	25150,	446872,	2353.6200,
5.893547			5.887666			5.881785		
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5.893392			5.887512			5.881631		
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5.893238			5.887357			5.881476		
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5.893083			5.887202			5.881321		
25078,	437860,	2358.0787,	25116,	440306,	2355.7255,	25154,	447986,	2353.3723,
5.892928			5.887047			5.881166		
25079,	437726,	2358.0168,	25117,	440098,	2355.6636,	25155,	447028,	2353.3104,
5.892773			5.886892			5.881012		
25080,	437888,	2357.9549,	25118,	439786,	2355.6017,	25156,	445882,	2353.2484,
5.892619			5.886738			5.880857		
25081,	438604,	2357.8929,	25119,	439976,	2355.5397,	25157,	445408,	2353.1865,
5.892464			5.886583			5.880702		
25082,	439516,	2357.8310,	25120,	440622,	2355.4778,	25158,	445672,	2353.1246,
5.892309			5.886428			5.880547		
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5.892154			5.886273			5.880393		
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5.892000			5.886119			5.880238		
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5.891845			5.885964			5.880083		
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5.891690			5.885809			5.879928		
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5.891380			5.885500			5.879619		



25165,	443628,	2352.6911,	25203,	445632,	2350.3379,	25241,	449868,	2347.9846,
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25166,	443392,	2352.6292,	25204,	445676,	2350.2759,	25242,	449262,	2347.9227,
5.879309			5.873429			5.867548		
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5.879155			5.873274			5.867393		
25168,	443216,	2352.5053,	25206,	446506,	2350.1521,	25244,	449232,	2347.7989,
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25169,	443440,	2352.4434,	25207,	447394,	2350.0902,	25245,	449638,	2347.7369,
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25170,	443378,	2352.3815,	25208,	448048,	2350.0282,	25246,	449546,	2347.6750,
5.878690			5.872810			5.866929		
25171,	442762,	2352.3195,	25209,	448270,	2349.9663,	25247,	448932,	2347.6131,
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5.878381			5.872500			5.866619		
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5.878226			5.872345			5.866464		
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5.877917			5.872036			5.866155		
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25177,	443742,	2351.9480,	25215,	447420,	2349.5947,	25253,	448466,	2347.2415,
5.877607			5.871726			5.865845		
25178,	444366,	2351.8860,	25216,	447402,	2349.5328,	25254,	447838,	2347.1796,
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25179,	444842,	2351.8241,	25217,	447916,	2349.4709,	25255,	448138,	2347.1177,
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25190,	449364,	2351.1429,	25228,	450338,	2348.7897,	25266,	451108,	2346.4365,
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25404,	465090,	2337.8906,	25442,	466472,	2335.5373,	25480,	466248,	2333.1841,
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25405,	465182,	2337.8286,	25443,	466972,	2335.4754,	25481,	465646,	2333.1222,
5.842322			5.836441			5.830561		
25406,	465378,	2337.7667,	25444,	467734,	2335.4135,	25482,	466162,	2333.0603,
5.842168			5.836287			5.830406		
25407,	465394,	2337.7048,	25445,	468390,	2335.3516,	25483,	467456,	2332.9983,
5.842013			5.836132			5.830251		
25408,	464848,	2337.6429,	25446,	468604,	2335.2896,	25484,	468706,	2332.9364,
5.841858			5.835977			5.830096		
25409,	463810,	2337.5809,	25447,	468498,	2335.2277,	25485,	469414,	2332.8745,
5.841703			5.835822			5.829942		
25410,	462880,	2337.5190,	25448,	468562,	2335.1658,	25486,	469778,	2332.8126,
5.841548			5.835668			5.829787		
25411,	462636,	2337.4571,	25449,	469056,	2335.1038,	25487,	470284,	2332.7506,
5.841394			5.835513			5.829632		
25412,	463034,	2337.3951,	25450,	469634,	2335.0419,	25488,	471024,	2332.6887,
5.841239			5.835358			5.829477		
25413,	463458,	2337.3332,	25451,	469646,	2334.9800,	25489,	471618,	2332.6268,
5.841084			5.835203			5.829323		
25414,	463432,	2337.2713,	25452,	468878,	2334.9181,	25490,	471700,	2332.5648,
5.840929			5.835049			5.829168		
25415,	463124,	2337.2094,	25453,	467860,	2334.8561,	25491,	471388,	2332.5029,
5.840775			5.834894			5.829013		
25416,	463118,	2337.1474,	25454,	467338,	2334.7942,	25492,	471136,	2332.4410,
5.840620			5.834739			5.828858		
25417,	463684,	2337.0855,	25455,	467492,	2334.7323,	25493,	471202,	2332.3791,
5.840465			5.834584			5.828704		
25418,	464412,	2337.0236,	25456,	467756,	2334.6704,	25494,	471378,	2332.3171,
5.840310			5.834430			5.828549		
25419,	464670,	2336.9617,	25457,	467446,	2334.6084,	25495,	471288,	2332.2552,
5.840156			5.834275			5.828394		
25420,	464292,	2336.8997,	25458,	466502,	2334.5465,	25496,	470896,	2332.1933,
5.840001			5.834120			5.828239		
25421,	463764,	2336.8378,	25459,	465500,	2334.4846,	25497,	470546,	2332.1314,
5.839846			5.833965			5.828085		
25422,	463612,	2336.7759,	25460,	464976,	2334.4227,	25498,	470548,	2332.0694,
5.839691			5.833811			5.827930		
25423,	463808,	2336.7139,	25461,	464862,	2334.3607,	25499,	470834,	2332.0075,
5.839537			5.833656			5.827775		
25424,	463858,	2336.6520,	25462,	464722,	2334.2988,	25500,	471100,	2331.9456,
5.839382			5.833501			5.827620		
25425,	463474,	2336.5901,	25463,	464416,	2334.2369,	25501,	471258,	2331.8836,
5.839227			5.833346			5.827466		
25426,	463034,	2336.5282,	25464,	464396,	2334.1749,	25502,	471552,	2331.8217,
5.839072			5.833192			5.827311		
25427,	463224,	2336.4662,	25465,	465198,	2334.1130,	25503,	472176,	2331.7598,
5.838918			5.833037			5.827156		
25428,	464264,	2336.4043,	25466,	466720,	2334.0511,	25504,	472876,	2331.6979,
5.838763			5.832882			5.827001		
25429,	465570,	2336.3424,	25467,	468212,	2333.9892,	25505,	473084,	2331.6359,
5.838608			5.832727			5.826847		
25430,	466306,	2336.2805,	25468,	468976,	2333.9272,	25506,	472524,	2331.5740,
5.838453			5.832573			5.826692		

25507,	471606,	2331.5121,	25545,	475840,	2329.1589,	25583,	476870,	2326.8056,
5.826537			5.820656			5.814775		
25508,	471072,	2331.4502,	25546,	476574,	2329.0969,	25584,	476566,	2326.7437,
5.826382			5.820501			5.814621		
25509,	471294,	2331.3882,	25547,	477592,	2329.0350,	25585,	476530,	2326.6818,
5.826227			5.820347			5.814466		
25510,	471948,	2331.3263,	25548,	478278,	2328.9731,	25586,	476792,	2326.6199,
5.826073			5.820192			5.814311		
25511,	472446,	2331.2644,	25549,	477998,	2328.9112,	25587,	477142,	2326.5579,
5.825918			5.820037			5.814156		
25512,	472604,	2331.2025,	25550,	476810,	2328.8492,	25588,	477508,	2326.4960,
5.825763			5.819882			5.814002		
25513,	472788,	2331.1405,	25551,	475488,	2328.7873,	25589,	478034,	2326.4341,
5.825608			5.819728			5.813847		
25514,	473338,	2331.0786,	25552,	474752,	2328.7254,	25590,	478750,	2326.3722,
5.825454			5.819573			5.813692		
25515,	474052,	2331.0167,	25553,	474644,	2328.6635,	25591,	479362,	2326.3102,
5.825299			5.819418			5.813537		
25516,	474330,	2330.9547,	25554,	474624,	2328.6015,	25592,	479500,	2326.2483,
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5.824835			5.818954			5.813073		
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5.824680			5.818799			5.812918		
25520,	473118,	2330.7070,	25558,	473344,	2328.3538,	25596,	479506,	2326.0006,
5.824525			5.818644			5.812764		
25521,	473926,	2330.6451,	25559,	473404,	2328.2919,	25597,	479644,	2325.9387,
5.824370			5.818490			5.812609		
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5.824216			5.818335			5.812454		
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25621,	480762,	2324.4524,	25659,	483478,	2322.0992,	25697,	487360,	2319.7460,
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5.788776			5.782895			5.777015		
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5.735385			5.729504			5.723623		
26097,	523108,	2294.9752,	26135,	526836,	2292.6220,	26173,	534564,	2290.2688,
5.735230			5.729349			5.723468		
26098,	523382,	2294.9133,	26136,	525958,	2292.5601,	26174,	534552,	2290.2068,
5.735075			5.729194			5.723314		
26099,	524248,	2294.8514,	26137,	525746,	2292.4981,	26175,	534558,	2290.1449,
5.734920			5.729040			5.723159		
26100,	525168,	2294.7894,	26138,	525984,	2292.4362,	26176,	534414,	2290.0830,
5.734766			5.728885			5.723004		
26101,	525410,	2294.7275,	26139,	526174,	2292.3743,	26177,	533864,	2290.0211,
5.734611			5.728730			5.722849		
26102,	524822,	2294.6656,	26140,	526214,	2292.3124,	26178,	533092,	2289.9591,
5.734456			5.728575			5.722695		
26103,	524040,	2294.6037,	26141,	526524,	2292.2504,	26179,	532636,	2289.8972,
5.734301			5.728421			5.722540		
26104,	523830,	2294.5417,	26142,	527492,	2292.1885,	26180,	532760,	2289.8353,
5.734147			5.728266			5.722385		
26105,	524284,	2294.4798,	26143,	528916,	2292.1266,	26181,	533094,	2289.7734,
5.733992			5.728111			5.722230		
26106,	524844,	2294.4179,	26144,	530096,	2292.0646,	26182,	533012,	2289.7114,
5.733837			5.727956			5.722076		
26107,	524966,	2294.3559,	26145,	530530,	2292.0027,	26183,	532414,	2289.6495,
5.733682			5.727802			5.721921		
26108,	524724,	2294.2940,	26146,	530380,	2291.9408,	26184,	531932,	2289.5876,
5.733528			5.727647			5.721766		
26109,	524568,	2294.2321,	26147,	530188,	2291.8789,	26185,	532292,	2289.5256,
5.733373			5.727492			5.721611		
26110,	524666,	2294.1702,	26148,	530210,	2291.8169,	26186,	533492,	2289.4637,
5.733218			5.727337			5.721457		
26111,	524608,	2294.1082,	26149,	530156,	2291.7550,	26187,	534728,	2289.4018,
5.733063			5.727183			5.721302		
26112,	523942,	2294.0463,	26150,	529622,	2291.6931,	26188,	535222,	2289.3399,
5.732909			5.727028			5.721147		
26113,	522862,	2293.9844,	26151,	528708,	2291.6312,	26189,	534956,	2289.2779,
5.732754			5.726873			5.720992		
26114,	522176,	2293.9225,	26152,	527970,	2291.5692,	26190,	534620,	2289.2160,
5.732599			5.726718			5.720838		

26191,	534786,	2289.1541,	26229,	536656,	2286.8009,	26267,	538808,	2284.4476,
5.720683			5.714802			5.708921		
26192,	535300,	2289.0922,	26230,	537620,	2286.7389,	26268,	539420,	2284.3857,
5.720528			5.714647			5.708766		
26193,	535574,	2289.0302,	26231,	538324,	2286.6770,	26269,	539640,	2284.3238,
5.720373			5.714492			5.708612		
26194,	535310,	2288.9683,	26232,	538446,	2286.6151,	26270,	539370,	2284.2619,
5.720218			5.714338			5.708457		
26195,	534816,	2288.9064,	26233,	538386,	2286.5532,	26271,	539140,	2284.1999,
5.720064			5.714183			5.708302		
26196,	534548,	2288.8445,	26234,	538742,	2286.4912,	26272,	539454,	2284.1380,
5.719909			5.714028			5.708147		
26197,	534518,	2288.7825,	26235,	539594,	2286.4293,	26273,	540242,	2284.0761,
5.719754			5.713873			5.707993		
26198,	534334,	2288.7206,	26236,	540448,	2286.3674,	26274,	540990,	2284.0142,
5.719599			5.713719			5.707838		
26199,	533802,	2288.6587,	26237,	540866,	2286.3054,	26275,	541458,	2283.9522,
5.719445			5.713564			5.707683		
26200,	533296,	2288.5967,	26238,	540942,	2286.2435,	26276,	541976,	2283.8903,
5.719290			5.713409			5.707528		
26201,	533394,	2288.5348,	26239,	541128,	2286.1816,	26277,	543004,	2283.8284,
5.719135			5.713254			5.707374		
26202,	534074,	2288.4729,	26240,	541602,	2286.1197,	26278,	544444,	2283.7664,
5.718980			5.713100			5.707219		
26203,	534600,	2288.4110,	26241,	542060,	2286.0577,	26279,	545590,	2283.7045,
5.718826			5.712945			5.707064		
26204,	534204,	2288.3490,	26242,	542116,	2285.9958,	26280,	545822,	2283.6426,
5.718671			5.712790			5.706909		
26205,	532998,	2288.2871,	26243,	541846,	2285.9339,	26281,	545276,	2283.5807,
5.718516			5.712635			5.706755		
26206,	531970,	2288.2252,	26244,	541718,	2285.8720,	26282,	544752,	2283.5187,
5.718361			5.712481			5.706600		
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5.718207			5.712326			5.706445		
26208,	533270,	2288.1013,	26246,	542250,	2285.7481,	26284,	545392,	2283.3949,
5.718052			5.712171			5.706290		
26209,	534726,	2288.0394,	26247,	541972,	2285.6862,	26285,	545726,	2283.3330,
5.717897			5.712016			5.706136		
26210,	535556,	2287.9775,	26248,	541088,	2285.6243,	26286,	545472,	2283.2710,
5.717742			5.711862			5.705981		
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5.717588			5.711707			5.705826		
26212,	535402,	2287.8536,	26250,	540340,	2285.5004,	26288,	544648,	2283.1472,
5.717433			5.711552			5.705671		
26213,	535184,	2287.7917,	26251,	541260,	2285.4385,	26289,	544818,	2283.0852,
5.717278			5.711397			5.705516		
26214,	534820,	2287.7298,	26252,	542230,	2285.3765,	26290,	545094,	2283.0233,
5.717123			5.711243			5.705362		
26215,	534038,	2287.6678,	26253,	542396,	2285.3146,	26291,	545138,	2282.9614,
5.716969			5.711088			5.705207		
26216,	533014,	2287.6059,	26254,	541686,	2285.2527,	26292,	545052,	2282.8995,
5.716814			5.710933			5.705052		
26217,	532348,	2287.5440,	26255,	540800,	2285.1908,	26293,	545214,	2282.8375,
5.716659			5.710778			5.704897		
26218,	532460,	2287.4821,	26256,	540424,	2285.1288,	26294,	545698,	2282.7756,
5.716504			5.710624			5.704743		
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5.716350			5.710469			5.704588		
26220,	533724,	2287.3582,	26258,	540798,	2285.0050,	26296,	545988,	2282.6518,
5.716195			5.710314			5.704433		
26221,	534046,	2287.2963,	26259,	540778,	2284.9431,	26297,	545460,	2282.5898,
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5.715421			5.709540			5.703659		
26226,	537148,	2286.9866,	26264,	539852,	2284.6334,	26302,	545394,	2282.2802,
5.715266			5.709385			5.703505		
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26228,	536178,	2286.8628,	26266,	538464,	2284.5096,	26304,	544812,	2282.1563,
5.714957			5.709076			5.703195		

26305,	545720,	2282.0944,	26343,	549166,	2279.7412,	26381,	555920,	2277.3880,
5.703040			5.697160			5.691279		
26306,	546878,	2282.0325,	26344,	550362,	2279.6793,	26382,	556912,	2277.3260,
5.702886			5.697005			5.691124		
26307,	547540,	2281.9706,	26345,	550660,	2279.6173,	26383,	557212,	2277.2641,
5.702731			5.696850			5.690969		
26308,	547592,	2281.9086,	26346,	550078,	2279.5554,	26384,	556948,	2277.2022,
5.702576			5.696695			5.690815		
26309,	547490,	2281.8467,	26347,	549304,	2279.4935,	26385,	556764,	2277.1403,
5.702421			5.696541			5.690660		
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5.702267			5.696386			5.690505		
26311,	547804,	2281.7229,	26349,	548946,	2279.3696,	26387,	557334,	2277.0164,
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26312,	547574,	2281.6609,	26350,	548862,	2279.3077,	26388,	557154,	2276.9545,
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26313,	546924,	2281.5990,	26351,	548546,	2279.2458,	26389,	556412,	2276.8926,
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26315,	546788,	2281.4751,	26353,	548824,	2279.1219,	26391,	555640,	2276.7687,
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26320,	546438,	2281.1655,	26358,	550472,	2278.8123,	26396,	556282,	2276.4591,
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26323,	548854,	2280.9797,	26361,	552022,	2278.6265,	26399,	556404,	2276.2733,
5.700255			5.694374			5.688493		
26324,	548762,	2280.9178,	26362,	552024,	2278.5646,	26400,	555612,	2276.2114,
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26325,	548232,	2280.8559,	26363,	552012,	2278.5027,	26401,	554964,	2276.1494,
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26328,	548954,	2280.6701,	26366,	552588,	2278.3169,	26404,	555028,	2275.9637,
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26329,	548894,	2280.6082,	26367,	551858,	2278.2549,	26405,	554770,	2275.9017,
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26330,	548234,	2280.5462,	26368,	550898,	2278.1930,	26406,	554758,	2275.8398,
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26442,	564870,	2273.6104,	26480,	565662,	2271.2572,	26518,	570296,	2268.9040,
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26443,	564410,	2273.5485,	26481,	565644,	2271.1953,	26519,	569868,	2268.8421,
5.681684			5.675803			5.669922		
26444,	563740,	2273.4866,	26482,	565572,	2271.1334,	26520,	569428,	2268.7801,
5.681529			5.675648			5.669767		
26445,	563632,	2273.4247,	26483,	565870,	2271.0714,	26521,	569308,	2268.7182,
5.681374			5.675494			5.669613		
26446,	564090,	2273.3627,	26484,	566434,	2271.0095,	26522,	569366,	2268.6563,
5.681220			5.675339			5.669458		
26447,	564342,	2273.3008,	26485,	566720,	2270.9476,	26523,	569222,	2268.5944,
5.681065			5.675184			5.669303		
26448,	563762,	2273.2389,	26486,	566416,	2270.8856,	26524,	568826,	2268.5324,
5.680910			5.675029			5.669148		
26449,	562630,	2273.1769,	26487,	565914,	2270.8237,	26525,	568648,	2268.4705,
5.680755			5.674874			5.668994		
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5.680601			5.674720			5.668839		
26451,	561980,	2273.0531,	26489,	566618,	2270.6999,	26527,	570370,	2268.3466,
5.680446			5.674565			5.668684		
26452,	562600,	2272.9912,	26490,	567428,	2270.6379,	26528,	571460,	2268.2847,
5.680291			5.674410			5.668529		
26453,	562864,	2272.9292,	26491,	567560,	2270.5760,	26529,	571852,	2268.2228,
5.680136			5.674255			5.668375		
26454,	562412,	2272.8673,	26492,	566908,	2270.5141,	26530,	571598,	2268.1609,
5.679981			5.674101			5.668220		
26455,	561772,	2272.8054,	26493,	566170,	2270.4522,	26531,	571250,	2268.0989,
5.679827			5.673946			5.668065		
26456,	561712,	2272.7435,	26494,	566132,	2270.3902,	26532,	571146,	2268.0370,
5.679672			5.673791			5.667910		

26533,	571034,	2267.9751,	26571,	576542,	2265.6219,	26609,	582270,	2263.2686,
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26535,	569516,	2267.8512,	26573,	576398,	2265.4980,	26611,	581330,	2263.1448,
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26540,	572950,	2267.5416,	26578,	577616,	2265.1884,	26616,	583934,	2262.8352,
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26545,	571936,	2267.2320,	26583,	579144,	2264.8787,	26621,	583510,	2262.5255,
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26547,	572312,	2267.1081,	26585,	579438,	2264.7549,	26623,	584824,	2262.4017,
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26789,	607598,	2252.1218,	26827,	612600,	2249.7686,	26865,	612456,	2247.4154,
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5.614828			5.608948			5.603067		
26876,	616660,	2246.7342,	26914,	620596,	2244.3809,	26952,	626460,	2242.0277,
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26878,	616202,	2246.6103,	26916,	620518,	2244.2571,	26954,	627356,	2241.9039,
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27134,	653052,	2230.7570,	27172,	656820,	2228.4038,	27210,	665212,	2226.0506,
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27135,	654138,	2230.6951,	27173,	657568,	2228.3419,	27211,	665058,	2225.9886,
5.574591			5.568711			5.562830		
27136,	654608,	2230.6332,	27174,	657618,	2228.2799,	27212,	664400,	2225.9267,
5.574437			5.568556			5.562675		
27137,	654750,	2230.5712,	27175,	657608,	2228.2180,	27213,	664046,	2225.8648,
5.574282			5.568401			5.562520		
27138,	654994,	2230.5093,	27176,	658204,	2228.1561,	27214,	664556,	2225.8029,
5.574127			5.568246			5.562366		
27139,	655344,	2230.4474,	27177,	659320,	2228.0942,	27215,	665588,	2225.7409,
5.573972			5.568092			5.562211		
27140,	655436,	2230.3855,	27178,	660254,	2228.0322,	27216,	666306,	2225.6790,
5.573818			5.567937			5.562056		

27217,	666372,	2225.6171,	27255,	676108,	2223.2639,	27293,	684450,	2220.9106,
5.561901			5.556021			5.550140		
27218,	666328,	2225.5552,	27256,	675820,	2223.2019,	27294,	683682,	2220.8487,
5.561747			5.555866			5.549985		
27219,	666990,	2225.4932,	27257,	676382,	2223.1400,	27295,	683032,	2220.7868,
5.561592			5.555711			5.549830		
27220,	668504,	2225.4313,	27258,	677518,	2223.0781,	27296,	682828,	2220.7249,
5.561437			5.555556			5.549676		
27221,	670180,	2225.3694,	27259,	678306,	2223.0162,	27297,	682844,	2220.6629,
5.561282			5.555402			5.549521		
27222,	671240,	2225.3074,	27260,	678242,	2222.9542,	27298,	682666,	2220.6010,
5.561128			5.555247			5.549366		
27223,	671582,	2225.2455,	27261,	677788,	2222.8923,	27299,	682214,	2220.5391,
5.560973			5.555092			5.549211		
27224,	671714,	2225.1836,	27262,	677774,	2222.8304,	27300,	681722,	2220.4771,
5.560818			5.554937			5.549056		
27225,	671988,	2225.1217,	27263,	678368,	2222.7684,	27301,	681346,	2220.4152,
5.560663			5.554783			5.548902		
27226,	672180,	2225.0597,	27264,	678860,	2222.7065,	27302,	681010,	2220.3533,
5.560509			5.554628			5.548747		
27227,	671856,	2224.9978,	27265,	678582,	2222.6446,	27303,	680658,	2220.2914,
5.560354			5.554473			5.548592		
27228,	671088,	2224.9359,	27266,	677842,	2222.5827,	27304,	680594,	2220.2294,
5.560199			5.554318			5.548437		
27229,	670520,	2224.8740,	27267,	677706,	2222.5207,	27305,	681242,	2220.1675,
5.560044			5.554163			5.548283		
27230,	670674,	2224.8120,	27268,	678764,	2222.4588,	27306,	682570,	2220.1056,
5.559890			5.554009			5.548128		
27231,	671294,	2224.7501,	27269,	680310,	2222.3969,	27307,	683912,	2220.0437,
5.559735			5.553854			5.547973		
27232,	671592,	2224.6882,	27270,	680928,	2222.3350,	27308,	684522,	2219.9817,
5.559580			5.553699			5.547818		
27233,	671112,	2224.6262,	27271,	679968,	2222.2730,	27309,	684358,	2219.9198,
5.559425			5.553544			5.547664		
27234,	670284,	2224.5643,	27272,	678256,	2222.2111,	27310,	684154,	2219.8579,
5.559270			5.553390			5.547509		
27235,	669972,	2224.5024,	27273,	677242,	2222.1492,	27311,	684612,	2219.7960,
5.559116			5.553235			5.547354		
27236,	670544,	2224.4405,	27274,	677522,	2222.0872,	27312,	685572,	2219.7340,
5.558961			5.553080			5.547199		
27237,	671526,	2224.3785,	27275,	678326,	2222.0253,	27313,	686154,	2219.6721,
5.558806			5.552925			5.547045		
27238,	672166,	2224.3166,	27276,	678526,	2221.9634,	27314,	685712,	2219.6102,
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27239,	672264,	2224.2547,	27277,	677928,	2221.9015,	27315,	684608,	2219.5482,
5.558497			5.552616			5.546735		
27240,	672228,	2224.1928,	27278,	677418,	2221.8395,	27316,	683822,	2219.4863,
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27241,	672482,	2224.1308,	27279,	677834,	2221.7776,	27317,	683922,	2219.4244,
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27242,	672910,	2224.0689,	27280,	678948,	2221.7157,	27318,	684472,	2219.3625,
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27243,	673124,	2224.0070,	27281,	679692,	2221.6538,	27319,	684604,	2219.3005,
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27244,	673076,	2223.9451,	27282,	679408,	2221.5918,	27320,	684060,	2219.2386,
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27245,	673228,	2223.8831,	27283,	678630,	2221.5299,	27321,	683526,	2219.1767,
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27246,	673988,	2223.8212,	27284,	678514,	2221.4680,	27322,	683886,	2219.1148,
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27247,	675102,	2223.7593,	27285,	679598,	2221.4061,	27323,	685264,	2219.0528,
5.557259			5.551378			5.545497		
27248,	675806,	2223.6973,	27286,	681266,	2221.3441,	27324,	686892,	2218.9909,
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27249,	675690,	2223.6354,	27287,	682460,	2221.2822,	27325,	687940,	2218.9290,
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27251,	675098,	2223.5116,	27289,	682876,	2221.1583,	27327,	688370,	2218.8051,
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27252,	675722,	2223.4496,	27290,	683318,	2221.0964,	27328,	688518,	2218.7432,
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27254,	676590,	2223.3258,	27292,	684672,	2220.9726,	27330,	688028,	2218.6193,
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27331,	687236,	2218.5574,	27369,	691882,	2216.2042,	27407,	701248,	2213.8510,
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5.544104			5.538223			5.532343		
27333,	687426,	2218.4336,	27371,	691070,	2216.0803,	27409,	700338,	2213.7271,
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27334,	688626,	2218.3716,	27372,	691942,	2216.0184,	27410,	700764,	2213.6652,
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27335,	689574,	2218.3097,	27373,	692578,	2215.9565,	27411,	700912,	2213.6033,
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27344,	690722,	2217.7524,	27382,	692940,	2215.3991,	27420,	704950,	2213.0459,
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27345,	691258,	2217.6904,	27383,	693510,	2215.3372,	27421,	705738,	2212.9840,
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27347,	690286,	2217.5666,	27385,	693582,	2215.2134,	27423,	704190,	2212.8601,
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27356,	692372,	2217.0092,	27394,	695746,	2214.6560,	27432,	704010,	2212.3028,
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27357,	692408,	2216.9473,	27395,	696088,	2214.5941,	27433,	704432,	2212.2409,
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27367,	693156,	2216.3280,	27405,	702630,	2213.9748,	27443,	709588,	2211.6216,
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5.521045			5.515165			5.509284		
27482,	716080,	2209.2065,	27520,	722400,	2206.8532,	27558,	728592,	2204.5000,
5.520891			5.515010			5.509129		

27559,	728638,	2204.4381,	27597,	738622,	2202.0849,	27635,	742674,	2199.7316,
5.508974			5.503093			5.497213		
27560,	729132,	2204.3762,	27598,	738556,	2202.0229,	27636,	743588,	2199.6697,
5.508819			5.502939			5.497058		
27561,	730040,	2204.3142,	27599,	738980,	2201.9610,	27637,	745170,	2199.6078,
5.508665			5.502784			5.496903		
27562,	730570,	2204.2523,	27600,	739374,	2201.8991,	27638,	746276,	2199.5459,
5.508510			5.502629			5.496748		
27563,	730086,	2204.1904,	27601,	739220,	2201.8371,	27639,	746098,	2199.4839,
5.508355			5.502474			5.496594		
27564,	728976,	2204.1284,	27602,	738666,	2201.7752,	27640,	744974,	2199.4220,
5.508200			5.502320			5.496439		
27565,	728316,	2204.0665,	27603,	738388,	2201.7133,	27641,	743968,	2199.3601,
5.508046			5.502165			5.496284		
27566,	728730,	2204.0046,	27604,	738802,	2201.6514,	27642,	743746,	2199.2981,
5.507891			5.502010			5.496129		
27567,	729712,	2203.9427,	27605,	739602,	2201.5894,	27643,	744000,	2199.2362,
5.507736			5.501855			5.495975		
27568,	730140,	2203.8807,	27606,	740174,	2201.5275,	27644,	744052,	2199.1743,
5.507581			5.501701			5.495820		
27569,	729452,	2203.8188,	27607,	740320,	2201.4656,	27645,	743798,	2199.1124,
5.507427			5.501546			5.495665		
27570,	728176,	2203.7569,	27608,	740426,	2201.4037,	27646,	743900,	2199.0504,
5.507272			5.501391			5.495510		
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5.507117			5.501236			5.495356		
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27573,	727232,	2203.5711,	27611,	741274,	2201.2179,	27649,	747690,	2198.8647,
5.506808			5.500927			5.495046		
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5.506343			5.500463			5.494582		
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5.506189			5.500308			5.494427		
27578,	732460,	2203.2615,	27616,	741858,	2200.9082,	27654,	745532,	2198.5550,
5.506034			5.500153			5.494272		
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5.505879			5.499998			5.494118		
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5.505570			5.499689			5.493808		
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5.505415			5.499534			5.493653		
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5.503712			5.497832			5.491951		
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27674,	750802,	2197.3165,	27712,	759976,	2194.9633,	27750,	769952,	2192.6100,
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5.490868			5.484987			5.479106		
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5.490713			5.484832			5.478951		
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5.490403			5.484523			5.478642		
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5.490249			5.484368			5.478487		
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27903,	803636,	2183.1352,	27941,	812180,	2180.7820,	27979,	818358,	2178.4288,
5.455738			5.449857			5.443976		
27904,	804192,	2183.0733,	27942,	812316,	2180.7201,	27980,	817904,	2178.3669,
5.455583			5.449702			5.443821		
27905,	803866,	2183.0114,	27943,	812058,	2180.6581,	27981,	817336,	2178.3049,
5.455428			5.449547			5.443667		
27906,	803518,	2182.9494,	27944,	812022,	2180.5962,	27982,	817396,	2178.2430,
5.455273			5.449393			5.443512		
27907,	803916,	2182.8875,	27945,	812502,	2180.5343,	27983,	818240,	2178.1811,
5.455119			5.449238			5.443357		
27908,	804914,	2182.8256,	27946,	813136,	2180.4724,	27984,	819166,	2178.1191,
5.454964			5.449083			5.443202		
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5.454809			5.448928			5.443047		
27910,	805798,	2182.7017,	27948,	813376,	2180.3485,	27986,	819028,	2177.9953,
5.454654			5.448774			5.442893		
27911,	805492,	2182.6398,	27949,	813540,	2180.2866,	27987,	818884,	2177.9334,
5.454500			5.448619			5.442738		
27912,	805392,	2182.5779,	27950,	814278,	2180.2247,	27988,	819602,	2177.8714,
5.454345			5.448464			5.442583		
27913,	805586,	2182.5160,	27951,	815250,	2180.1627,	27989,	820826,	2177.8095,
5.454190			5.448309			5.442428		
27914,	805552,	2182.4540,	27952,	815758,	2180.1008,	27990,	821578,	2177.7476,
5.454035			5.448154			5.442274		
27915,	804908,	2182.3921,	27953,	815596,	2180.0389,	27991,	821360,	2177.6857,
5.453881			5.448000			5.442119		
27916,	804044,	2182.3302,	27954,	815378,	2179.9770,	27992,	820726,	2177.6237,
5.453726			5.447845			5.441964		
27917,	803760,	2182.2682,	27955,	815910,	2179.9150,	27993,	820676,	2177.5618,
5.453571			5.447690			5.441809		
27918,	804376,	2182.2063,	27956,	817244,	2179.8531,	27994,	821588,	2177.4999,
5.453416			5.447535			5.441655		
27919,	805280,	2182.1444,	27957,	818562,	2179.7912,	27995,	822908,	2177.4379,
5.453261			5.447381			5.441500		
27920,	805606,	2182.0825,	27958,	819010,	2179.7292,	27996,	823880,	2177.3760,
5.453107			5.447226			5.441345		
27921,	805196,	2182.0205,	27959,	818570,	2179.6673,	27997,	824404,	2177.3141,
5.452952			5.447071			5.441190		
27922,	804800,	2181.9586,	27960,	817984,	2179.6054,	27998,	824998,	2177.2522,
5.452797			5.446916			5.441036		
27923,	805200,	2181.8967,	27961,	817866,	2179.5435,	27999,	825990,	2177.1902,
5.452642			5.446762			5.440881		
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5.452488			5.446607			5.440726		
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5.452333			5.446452			5.440571		
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5.452023			5.446143			5.440262		
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27929,	806374,	2181.5251,	27967,	819022,	2179.1719,	28005,	825184,	2176.8187,
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27930,	807360,	2181.4632,	27968,	819938,	2179.1100,	28006,	825356,	2176.7568,
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28249,	887448,	2161.7085,	28287,	899362,	2159.3553,	28325,	909416,	2157.0021,
5.402191			5.396311			5.390430		
28250,	886940,	2161.6466,	28288,	899362,	2159.2934,	28326,	910336,	2156.9401,
5.402037			5.396156			5.390275		
28251,	885670,	2161.5847,	28289,	898772,	2159.2314,	28327,	910034,	2156.8782,
5.401882			5.396001			5.390120		
28252,	884478,	2161.5227,	28290,	898248,	2159.1695,	28328,	909458,	2156.8163,
5.401727			5.395846			5.389966		
28253,	884354,	2161.4608,	28291,	898392,	2159.1076,	28329,	909478,	2156.7544,
5.401572			5.395692			5.389811		
28254,	885412,	2161.3989,	28292,	899008,	2159.0457,	28330,	909918,	2156.6924,
5.401418			5.395537			5.389656		
28255,	886824,	2161.3370,	28293,	899356,	2158.9837,	28331,	909874,	2156.6305,
5.401263			5.395382			5.389501		
28256,	887746,	2161.2750,	28294,	899060,	2158.9218,	28332,	908888,	2156.5686,
5.401108			5.395227			5.389347		
28257,	888124,	2161.2131,	28295,	898600,	2158.8599,	28333,	907578,	2156.5067,
5.400953			5.395073			5.389192		
28258,	888504,	2161.1512,	28296,	898740,	2158.7979,	28334,	906986,	2156.4447,
5.400799			5.394918			5.389037		
28259,	889174,	2161.0892,	28297,	899560,	2158.7360,	28335,	907458,	2156.3828,
5.400644			5.394763			5.388882		
28260,	889730,	2161.0273,	28298,	900268,	2158.6741,	28336,	908342,	2156.3209,
5.400489			5.394608			5.388728		
28261,	889648,	2160.9654,	28299,	900126,	2158.6122,	28337,	908890,	2156.2589,
5.400334			5.394454			5.388573		
28262,	889050,	2160.9035,	28300,	899346,	2158.5502,	28338,	909110,	2156.1970,
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5.400025			5.394144			5.388263		
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5.399870			5.393989			5.388108		
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5.399715			5.393835			5.387954		
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28267,	890948,	2160.5938,	28305,	901416,	2158.2406,	28343,	910504,	2155.8874,
5.399406			5.393525			5.387644		
28268,	890792,	2160.5319,	28306,	901072,	2158.1787,	28344,	909562,	2155.8255,
5.399251			5.393370			5.387489		
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5.399096			5.393215			5.387335		
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5.398942			5.393061			5.387180		
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28272,	894716,	2160.2842,	28310,	903926,	2157.9310,	28348,	913172,	2155.5778,
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28273,	894620,	2160.2223,	28311,	903616,	2157.8690,	28349,	913070,	2155.5158,
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28358,	920080,	2154.9585,	28396,	927922,	2152.6053,	28434,	942062,	2150.2520,
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5.384085			5.378204			5.372323		
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28594,	987112,	2140.3437,	28632,	1001626,	2137.9905,	28670,	1012450,	2135.6373,
5.348800			5.342919			5.337038		
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5.348645			5.342764			5.336884		
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5.348491			5.342610			5.336729		
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5.348181			5.342300			5.336419		
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5.348026			5.342145			5.336265		
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5.347871			5.341991			5.336110		
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5.347717			5.341836			5.335955		
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5.347562			5.341681			5.335800		
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5.347407			5.341526			5.335646		
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5.347252			5.341372			5.335491		
28605,	992838,	2139.6625,	28643,	1002982,	2137.3093,	28681,	1014874,	2134.9561,
5.347098			5.341217			5.335336		
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5.346943			5.341062			5.335181		
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5.346788			5.340907			5.335027		
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5.346324			5.340443			5.334562		
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5.345086			5.339205			5.333324		
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5.295563			5.289683			5.283802		
28939,	1112858,	2118.9789,	28977,	1129028,	2116.6257,	29015,	1145370,	2114.2725,
5.295409			5.289528			5.283647		
28940,	1112146,	2118.9170,	28978,	1128664,	2116.5638,	29016,	1145182,	2114.2106,
5.295254			5.289373			5.283492		
28941,	1112778,	2118.8551,	28979,	1129278,	2116.5019,	29017,	1145772,	2114.1487,
5.295099			5.289218			5.283338		
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5.294944			5.289064			5.283183		
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5.294790			5.288909			5.283028		
28944,	1114774,	2118.6693,	28982,	1129774,	2116.3161,	29020,	1146206,	2113.9629,
5.294635			5.288754			5.282873		
28945,	1114284,	2118.6074,	28983,	1129298,	2116.2542,	29021,	1145852,	2113.9009,
5.294480			5.288599			5.282719		
28946,	1114664,	2118.5455,	28984,	1129944,	2116.1922,	29022,	1146384,	2113.8390,
5.294325			5.288445			5.282564		
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5.294171			5.288290			5.282409		
28948,	1117328,	2118.4216,	28986,	1132702,	2116.0684,	29024,	1148314,	2113.7152,
5.294016			5.288135			5.282254		
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5.293861			5.287980			5.282099		
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5.293706			5.287826			5.281945		
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5.293552			5.287671			5.281790		
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5.293087			5.287206			5.281326		
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5.292933			5.287052			5.281171		
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5.292623			5.286742			5.280861		
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5.292468			5.286587			5.280707		
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5.279314			5.273433			5.267552		
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5.278850			5.272969			5.267088		
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29048,	1157766,	2112.2289,	29086,	1179102,	2109.8757,	29124,	1192830,	2107.5225,
5.278540			5.272659			5.266778		
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5.278385			5.272505			5.266624		
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5.275290			5.269409			5.263529		
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29071,	1168498,	2110.8046,	29109,	1190938,	2108.4514,	29147,	1203846,	2106.0982,
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29072,	1170388,	2110.7427,	29110,	1192464,	2108.3894,	29148,	1204688,	2106.0362,
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29073,	1171368,	2110.6807,	29111,	1192468,	2108.3275,	29149,	1204782,	2105.9743,
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5.274207			5.268326			5.262445		
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29155,	1208492,	2105.6027,	29193,	1224118,	2103.2495,	29231,	1244906,	2100.8963,
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29160,	1212730,	2105.2931,	29198,	1226776,	2102.9399,	29236,	1248524,	2100.5867,
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29164,	1212658,	2105.0454,	29202,	1230842,	2102.6922,	29240,	1250750,	2100.3390,
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29165,	1212756,	2104.9835,	29203,	1231280,	2102.6302,	29241,	1250984,	2100.2770,
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29186,	1222174,	2103.6830,	29224,	1241402,	2101.3298,	29262,	1260492,	2098.9766,
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29187,	1222394,	2103.6211,	29225,	1241784,	2101.2679,	29263,	1260704,	2098.9146,
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29272,	1265188,	2098.3573,	29310,	1285510,	2096.0041,	29348,	1305046,	2093.6508,
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29282,	1272668,	2097.7380,	29320,	1290870,	2095.3848,	29358,	1310240,	2093.0316,
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29283,	1274320,	2097.6761,	29321,	1292878,	2095.3229,	29359,	1312632,	2092.9696,
5.242172			5.236291			5.230410		
29284,	1274782,	2097.6142,	29322,	1293894,	2095.2609,	29360,	1313786,	2092.9077,
5.242017			5.236136			5.230256		
29285,	1273816,	2097.5522,	29323,	1293666,	2095.1990,	29361,	1313694,	2092.8458,
5.241862			5.235982			5.230101		
29286,	1272630,	2097.4903,	29324,	1293194,	2095.1371,	29362,	1313602,	2092.7839,
5.241708			5.235827			5.229946		
29287,	1272548,	2097.4284,	29325,	1293524,	2095.0752,	29363,	1314522,	2092.7219,
5.241553			5.235672			5.229791		
29288,	1273566,	2097.3665,	29326,	1294586,	2095.0132,	29364,	1316114,	2092.6600,
5.241398			5.235517			5.229637		
29289,	1274574,	2097.3045,	29327,	1295406,	2094.9513,	29365,	1317168,	2092.5981,
5.241243			5.235363			5.229482		
29290,	1274776,	2097.2426,	29328,	1295442,	2094.8894,	29366,	1317110,	2092.5362,
5.241089			5.235208			5.229327		
29291,	1274642,	2097.1807,	29329,	1295322,	2094.8275,	29367,	1316704,	2092.4742,
5.240934			5.235053			5.229172		
29292,	1275236,	2097.1188,	29330,	1296102,	2094.7655,	29368,	1317078,	2092.4123,
5.240779			5.234898			5.229018		
29293,	1276726,	2097.0568,	29331,	1297860,	2094.7036,	29369,	1318312,	2092.3504,
5.240624			5.234744			5.228863		
29294,	1278032,	2096.9949,	29332,	1299434,	2094.6417,	29370,	1319292,	2092.2885,
5.240470			5.234589			5.228708		
29295,	1278046,	2096.9330,	29333,	1299660,	2094.5797,	29371,	1319052,	2092.2265,
5.240315			5.234434			5.228553		
29296,	1276998,	2096.8710,	29334,	1298710,	2094.5178,	29372,	1317988,	2092.1646,
5.240160			5.234279			5.228399		
29297,	1276348,	2096.8091,	29335,	1297946,	2094.4559,	29373,	1317496,	2092.1027,
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29298,	1277226,	2096.7472,	29336,	1298440,	2094.3940,	29374,	1318380,	2092.0407,
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29299,	1279214,	2096.6853,	29337,	1299852,	2094.3320,	29375,	1319928,	2091.9788,
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29300,	1280928,	2096.6233,	29338,	1300952,	2094.2701,	29376,	1320730,	2091.9169,
5.239541			5.233660			5.227780		
29301,	1281614,	2096.5614,	29339,	1301124,	2094.2082,	29377,	1320296,	2091.8550,
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29302,	1281930,	2096.4995,	29340,	1301034,	2094.1463,	29378,	1319556,	2091.7930,
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29303,	1282940,	2096.4376,	29341,	1301720,	2094.0843,	29379,	1319730,	2091.7311,
5.239077			5.233196			5.227315		
29304,	1284618,	2096.3756,	29342,	1303220,	2094.0224,	29380,	1320912,	2091.6692,
5.238922			5.233041			5.227161		
29305,	1285690,	2096.3137,	29343,	1304450,	2093.9605,	29381,	1322096,	2091.6073,
5.238767			5.232887			5.227006		
29306,	1285116,	2096.2518,	29344,	1304468,	2093.8986,	29382,	1322540,	2091.5453,
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29383,	1322780,	2091.4834,	29421,	1345506,	2089.1302,	29459,	1367028,	2086.7770,
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29384,	1323998,	2091.4215,	29422,	1345440,	2089.0683,	29460,	1366950,	2086.7150,
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29385,	1326502,	2091.3596,	29423,	1346320,	2089.0063,	29461,	1367760,	2086.6531,
5.226387			5.220506			5.214625		
29386,	1329166,	2091.2976,	29424,	1347428,	2088.9444,	29462,	1368650,	2086.5912,
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5.226077			5.220196			5.214316		
29388,	1330402,	2091.1738,	29426,	1347586,	2088.8205,	29464,	1368042,	2086.4673,
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29403,	1334704,	2090.2449,	29441,	1358790,	2087.8916,	29479,	1378776,	2085.5384,
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29629,	1471680,	2076.2494,	29667,	1500548,	2073.8962,	29705,	1524686,	2071.5429,
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29630,	1473160,	2076.1875,	29668,	1501522,	2073.8342,	29706,	1525968,	2071.4810,
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29631,	1473812,	2076.1255,	29669,	1501522,	2073.7723,	29707,	1526228,	2071.4191,
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29636,	1478514,	2075.8159,	29674,	1504686,	2073.4627,	29712,	1530600,	2071.1095,
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29637,	1478078,	2075.7540,	29675,	1504410,	2073.4007,	29713,	1529900,	2071.0475,
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29638,	1477530,	2075.6920,	29676,	1504384,	2073.3388,	29714,	1529690,	2070.9856,
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29972,	1740092,	2055.0085,	30010,	1773896,	2052.6552,	30048,	1807822,	2050.3020,
5.135544			5.129663			5.123782		
29973,	1739372,	2054.9465,	30011,	1773158,	2052.5933,	30049,	1807800,	2050.2401,
5.135389			5.129508			5.123628		
29974,	1738988,	2054.8846,	30012,	1772996,	2052.5314,	30050,	1809066,	2050.1782,
5.135234			5.129354			5.123473		
29975,	1739926,	2054.8227,	30013,	1774184,	2052.4695,	30051,	1811728,	2050.1162,
5.135080			5.129199			5.123318		
29976,	1741558,	2054.7607,	30014,	1775778,	2052.4075,	30052,	1814262,	2050.0543,
5.134925			5.129044			5.123163		
29977,	1742620,	2054.6988,	30015,	1776348,	2052.3456,	30053,	1815156,	2049.9924,
5.134770			5.128889			5.123009		
29978,	1742804,	2054.6369,	30016,	1775800,	2052.2837,	30054,	1814638,	2049.9305,
5.134615			5.128735			5.122854		
29979,	1743098,	2054.5750,	30017,	1775566,	2052.2217,	30055,	1814458,	2049.8685,
5.134461			5.128580			5.122699		
29980,	1744466,	2054.5130,	30018,	1776922,	2052.1598,	30056,	1815870,	2049.8066,
5.134306			5.128425			5.122544		
29981,	1746570,	2054.4511,	30019,	1779448,	2052.0979,	30057,	1818212,	2049.7447,
5.134151			5.128270			5.122390		
29982,	1748124,	2054.3892,	30020,	1781440,	2052.0360,	30058,	1819688,	2049.6827,
5.133996			5.128116			5.122235		
29983,	1748512,	2054.3273,	30021,	1781856,	2051.9740,	30059,	1819454,	2049.6208,
5.133842			5.127961			5.122080		
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5.133687			5.127806			5.121925		
29985,	1749692,	2054.2034,	30023,	1781698,	2051.8502,	30061,	1818844,	2049.4970,
5.133532			5.127651			5.121771		
29986,	1751924,	2054.1415,	30024,	1783326,	2051.7883,	30062,	1820638,	2049.4350,
5.133377			5.127497			5.121616		
29987,	1753914,	2054.0796,	30025,	1785326,	2051.7263,	30063,	1822706,	2049.3731,
5.133223			5.127342			5.121461		
29988,	1754334,	2054.0176,	30026,	1786426,	2051.6644,	30064,	1823662,	2049.3112,
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29989,	1753480,	2053.9557,	30027,	1786606,	2051.6025,	30065,	1823608,	2049.2493,
5.132913			5.127032			5.121151		
29990,	1753044,	2053.8938,	30028,	1787018,	2051.5406,	30066,	1823886,	2049.1873,
5.132758			5.126878			5.120997		

30067,	1825334,	2049.1254,	30105,	1862266,	2046.7722,	30143,	1903546,	2044.4190,
5.120842			5.114961			5.109080		
30068,	1827220,	2049.0635,	30106,	1864458,	2046.7103,	30144,	1905660,	2044.3570,
5.120687			5.114806			5.108926		
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5.120532			5.114652			5.108771		
30070,	1827846,	2048.9396,	30108,	1865528,	2046.5864,	30146,	1905884,	2044.2332,
5.120378			5.114497			5.108616		
30071,	1827492,	2048.8777,	30109,	1865492,	2046.5245,	30147,	1905802,	2044.1712,
5.120223			5.114342			5.108461		
30072,	1828396,	2048.8158,	30110,	1866552,	2046.4625,	30148,	1907408,	2044.1093,
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30073,	1830378,	2048.7538,	30111,	1868324,	2046.4006,	30149,	1910098,	2044.0474,
5.119913			5.114033			5.108152		
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30077,	1833178,	2048.5061,	30115,	1869046,	2046.1529,	30153,	1913386,	2043.7997,
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30081,	1841040,	2048.2584,	30119,	1874096,	2045.9052,	30157,	1917586,	2043.5520,
5.118675			5.112795			5.106914		
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30089,	1849204,	2047.7630,	30127,	1883662,	2045.4098,	30165,	1925938,	2043.0566,
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30090,	1850954,	2047.7011,	30128,	1885898,	2045.3479,	30166,	1927428,	2042.9946,
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30103,	1859840,	2046.8960,	30141,	1900802,	2044.5428,	30179,	1939172,	2042.1896,
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30181,	1943234,	2042.0657,	30219,	1985276,	2039.7125,	30257,	2027242,	2037.3593,
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30182,	1946264,	2042.0038,	30220,	1986780,	2039.6506,	30258,	2029092,	2037.2974,
5.103045			5.097164			5.091283		
30183,	1947562,	2041.9419,	30221,	1987014,	2039.5887,	30259,	2029836,	2037.2354,
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30184,	1947012,	2041.8800,	30222,	1986634,	2039.5267,	30260,	2029986,	2037.1735,
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30185,	1946330,	2041.8180,	30223,	1987172,	2039.4648,	30261,	2030866,	2037.1116,
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30186,	1947088,	2041.7561,	30224,	1989332,	2039.4029,	30262,	2032920,	2037.0497,
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30187,	1949058,	2041.6942,	30225,	1992146,	2039.3409,	30263,	2035044,	2036.9877,
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30192,	1954278,	2041.3845,	30230,	1998596,	2039.0313,	30268,	2039578,	2036.6781,
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30194,	1957466,	2041.2607,	30232,	1999570,	2038.9075,	30270,	2041954,	2036.5542,
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30195,	1957260,	2041.1988,	30233,	1999012,	2038.8455,	30271,	2042444,	2036.4923,
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30198,	1960428,	2041.0130,	30236,	2003592,	2038.6598,	30274,	2050324,	2036.3065,
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30204,	1967606,	2040.6414,	30242,	2008722,	2038.2882,	30280,	2054752,	2035.9350,
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30205,	1968920,	2040.5795,	30243,	2009186,	2038.2263,	30281,	2054378,	2035.8730,
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30206,	1969782,	2040.5176,	30244,	2009304,	2038.1643,	30282,	2053600,	2035.8111,
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30209,	1974780,	2040.3318,	30247,	2015724,	2037.9786,	30285,	2058410,	2035.6253,
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30214,	1977484,	2040.0221,	30252,	2022576,	2037.6689,	30290,	2067690,	2035.3157,
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30217,	1982032,	2039.8364,	30255,	2024520,	2037.4831,	30293,	2068922,	2035.1299,
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30218,	1983328,	2039.7744,	30256,	2025296,	2037.4212,	30294,	2069862,	2035.0680,
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31014,	3371022,	1990.4806,	31052,	3477824,	1988.1274,	31090,	3590512,	1985.7742,
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31093,	3600136,	1985.5884,	31131,	3713978,	1983.2352,	31169,	3835924,	1980.8820,
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31094,	3601458,	1985.5265,	31132,	3715412,	1983.1732,	31170,	3838114,	1980.8200,
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31096,	3610092,	1985.4026,	31134,	3723164,	1983.0494,	31172,	3847888,	1980.6962,
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31097,	3614350,	1985.3407,	31135,	3727320,	1982.9875,	31173,	3852094,	1980.6342,
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31098,	3615934,	1985.2788,	31136,	3729508,	1982.9255,	31174,	3853760,	1980.5723,
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31099,	3616004,	1985.2168,	31137,	3730714,	1982.8636,	31175,	3854492,	1980.5104,
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31100,	3617370,	1985.1549,	31138,	3733170,	1982.8017,	31176,	3856958,	1980.4485,
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31101,	3621278,	1985.0930,	31139,	3737602,	1982.7398,	31177,	3861822,	1980.3865,
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31102,	3626080,	1985.0311,	31140,	3742326,	1982.6778,	31178,	3867086,	1980.3246,
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31103,	3629268,	1984.9691,	31141,	3745310,	1982.6159,	31179,	3870550,	1980.2627,
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31104,	3630502,	1984.9072,	31142,	3746732,	1982.5540,	31180,	3872482,	1980.2008,
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31105,	3632000,	1984.8453,	31143,	3748850,	1982.4921,	31181,	3875252,	1980.1388,
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31107,	3641472,	1984.7214,	31145,	3758994,	1982.3682,	31183,	3886782,	1980.0150,
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31108,	3646228,	1984.6595,	31146,	3763328,	1982.3063,	31184,	3891572,	1979.9530,
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31109,	3648444,	1984.5976,	31147,	3765142,	1982.2443,	31185,	3893760,	1979.8911,
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31110,	3649284,	1984.5356,	31148,	3766132,	1982.1824,	31186,	3895112,	1979.8292,
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31114,	3662134,	1984.2879,	31152,	3781770,	1981.9347,	31190,	3910250,	1979.5815,
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31115,	3663244,	1984.2260,	31153,	3783054,	1981.8728,	31191,	3911558,	1979.5196,
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31117,	3669462,	1984.1022,	31155,	3789686,	1981.7489,	31193,	3918972,	1979.3957,
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31118,	3674962,	1984.0402,	31156,	3795392,	1981.6870,	31194,	3924696,	1979.3338,
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31127,	3697974,	1983.4829,	31165,	3820320,	1981.1297,	31203,	3952808,	1978.7764,
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31128,	3702404,	1983.4210,	31166,	3825028,	1981.0677,	31204,	3957732,	1978.7145,
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31130,	3712080,	1983.2971,	31168,	3834038,	1980.9439,	31206,	3966794,	1978.5907,
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31207,	3968856,	1978.5287,	31245,	4102308,	1976.1755,	31283,	4240680,	1973.8223,
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31208,	3971300,	1978.4668,	31246,	4103984,	1976.1136,	31284,	4243676,	1973.7604,
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31210,	3980758,	1978.3429,	31248,	4113902,	1975.9897,	31286,	4255650,	1973.6365,
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31211,	3984532,	1978.2810,	31249,	4118244,	1975.9278,	31287,	4259938,	1973.5746,
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31212,	3986144,	1978.2191,	31250,	4120428,	1975.8659,	31288,	4261676,	1973.5126,
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31213,	3987390,	1978.1572,	31251,	4122396,	1975.8039,	31289,	4263360,	1973.4507,
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31214,	3990536,	1978.0952,	31252,	4126488,	1975.7420,	31290,	4267610,	1973.3888,
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31215,	3995620,	1978.0333,	31253,	4132544,	1975.6801,	31291,	4274180,	1973.3269,
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31218,	4003968,	1977.8475,	31256,	4142422,	1975.4943,	31294,	4285896,	1973.1411,
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31222,	4021544,	1977.5998,	31260,	4159808,	1975.2466,	31298,	4303624,	1972.8934,
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31223,	4023788,	1977.5379,	31261,	4161504,	1975.1847,	31299,	4305542,	1972.8315,
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31227,	4039926,	1977.2902,	31265,	4177424,	1974.9370,	31303,	4323416,	1972.5837,
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31229,	4043316,	1977.1663,	31267,	4181574,	1974.8131,	31305,	4328458,	1972.4599,
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31230,	4046136,	1977.1044,	31268,	4185116,	1974.7512,	31306,	4332848,	1972.3980,
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31231,	4051516,	1977.0425,	31269,	4190954,	1974.6893,	31307,	4339512,	1972.3360,
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31233,	4061688,	1976.9186,	31271,	4199964,	1974.5654,	31309,	4349878,	1972.2122,
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31234,	4063908,	1976.8567,	31272,	4200930,	1974.5035,	31310,	4351796,	1972.1503,
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31321,	4390592,	1971.4691,	31359,	4554106,	1969.1158,	31397,	4719974,	1966.7626,
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31323,	4400110,	1971.3452,	31361,	4562508,	1968.9920,	31399,	4731358,	1966.6388,
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31327,	4415626,	1971.0975,	31365,	4577414,	1968.7443,	31403,	4748430,	1966.3911,
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31329,	4426778,	1970.9736,	31367,	4590064,	1968.6204,	31405,	4760882,	1966.2672,
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31330,	4431996,	1970.9117,	31368,	4595118,	1968.5585,	31406,	4766020,	1966.2053,
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31331,	4434798,	1970.8498,	31369,	4597338,	1968.4966,	31407,	4768800,	1966.1433,
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31437,	4913564,	1964.2855,	31475,	5106258,	1961.9323,	31513,	5305642,	1959.5791,
4.908824			4.902943			4.897062		
31438,	4919800,	1964.2236,	31476,	5112644,	1961.8704,	31514,	5312356,	1959.5172,
4.908669			4.902788			4.896908		
31439,	4923538,	1964.1617,	31477,	5116324,	1961.8085,	31515,	5316074,	1959.4552,
4.908514			4.902634			4.896753		
31440,	4925902,	1964.0998,	31478,	5118792,	1961.7465,	31516,	5318802,	1959.3933,
4.908360			4.902479			4.896598		
31441,	4929912,	1964.0378,	31479,	5123090,	1961.6846,	31517,	5323896,	1959.3314,
4.908205			4.902324			4.896443		
31442,	4936828,	1963.9759,	31480,	5130174,	1961.6227,	31518,	5332050,	1959.2695,
4.908050			4.902169			4.896289		
31443,	4944518,	1963.9140,	31481,	5137706,	1961.5608,	31519,	5340344,	1959.2075,
4.907895			4.902015			4.896134		
31444,	4949848,	1963.8521,	31482,	5142816,	1961.4988,	31520,	5345570,	1959.1456,
4.907741			4.901860			4.895979		
31445,	4952370,	1963.7901,	31483,	5145506,	1961.4369,	31521,	5347958,	1959.0837,
4.907586			4.901705			4.895824		
31446,	4954908,	1963.7282,	31484,	5148652,	1961.3750,	31522,	5350874,	1959.0218,
4.907431			4.901550			4.895670		
31447,	4960302,	1963.6663,	31485,	5154532,	1961.3130,	31523,	5356948,	1958.9598,
4.907276			4.901396			4.895515		
31448,	4968162,	1963.6043,	31486,	5162088,	1961.2511,	31524,	5365080,	1958.8979,
4.907122			4.901241			4.895360		
31449,	4975402,	1963.5424,	31487,	5168218,	1961.1892,	31525,	5371884,	1958.8360,
4.906967			4.901086			4.895205		
31450,	4979886,	1963.4805,	31488,	5171574,	1961.1273,	31526,	5375726,	1958.7740,
4.906812			4.900931			4.895051		
31451,	4982840,	1963.4186,	31489,	5174296,	1961.0653,	31527,	5378552,	1958.7121,
4.906657			4.900777			4.894896		
31452,	4987240,	1963.3566,	31490,	5179542,	1961.0034,	31528,	5383416,	1958.6502,
4.906503			4.900622			4.894741		
31453,	4994156,	1963.2947,	31491,	5187686,	1960.9415,	31529,	5390804,	1958.5883,
4.906348			4.900467			4.894586		
31454,	5001492,	1963.2328,	31492,	5195778,	1960.8796,	31530,	5398166,	1958.5263,
4.906193			4.900312			4.894431		
31455,	5006556,	1963.1709,	31493,	5200904,	1960.8176,	31531,	5403156,	1958.4644,
4.906038			4.900158			4.894277		
31456,	5009312,	1963.1089,	31494,	5203534,	1960.7557,	31532,	5406578,	1958.4025,
4.905884			4.900003			4.894122		
31457,	5012390,	1963.0470,	31495,	5206910,	1960.6938,	31533,	5411392,	1958.3406,
4.905729			4.899848			4.893967		
31458,	5017862,	1962.9851,	31496,	5213166,	1960.6319,	31534,	5419002,	1958.2786,
4.905574			4.899693			4.893812		
31459,	5024762,	1962.9231,	31497,	5220890,	1960.5699,	31535,	5427396,	1958.2167,
4.905419			4.899538			4.893658		
31460,	5030332,	1962.8612,	31498,	5226882,	1960.5080,	31536,	5433446,	1958.1548,
4.905265			4.899384			4.893503		
31461,	5033492,	1962.7993,	31499,	5230048,	1960.4461,	31537,	5436686,	1958.0929,
4.905110			4.899229			4.893348		
31462,	5036272,	1962.7374,	31500,	5232684,	1960.3841,	31538,	5439996,	1958.0309,
4.904955			4.899074			4.893193		
31463,	5041394,	1962.6754,	31501,	5237672,	1960.3222,	31539,	5446278,	1957.9690,
4.904800			4.898919			4.893039		
31464,	5048918,	1962.6135,	31502,	5245040,	1960.2603,	31540,	5455054,	1957.9071,
4.904645			4.898765			4.892884		
31465,	5056018,	1962.5516,	31503,	5251960,	1960.1984,	31541,	5463036,	1957.8451,
4.904491			4.898610			4.892729		
31466,	5060254,	1962.4897,	31504,	5256236,	1960.1364,	31542,	5468016,	1957.7832,
4.904336			4.898455			4.892574		
31467,	5062474,	1962.4277,	31505,	5259008,	1960.0745,	31543,	5471428,	1957.7213,
4.904181			4.898300			4.892420		
31468,	5065868,	1962.3658,	31506,	5263382,	1960.0126,	31544,	5476574,	1957.6594,
4.904026			4.898146			4.892265		
31469,	5072272,	1962.3039,	31507,	5270660,	1959.9507,	31545,	5484640,	1957.5974,
4.903872			4.897991			4.892110		
31470,	5080096,	1962.2420,	31508,	5278720,	1959.8887,	31546,	5493282,	1957.5355,
4.903717			4.897836			4.891955		
31471,	5086304,	1962.1800,	31509,	5284540,	1959.8268,	31547,	5499442,	1957.4736,
4.903562			4.897681			4.891801		
31472,	5089998,	1962.1181,	31510,	5287822,	1959.7649,	31548,	5503002,	1957.4117,
4.903407			4.897527			4.891646		



31549,	5506838,	1957.3497,	31587,	5733084,	1954.9965,	31625,	5973484,	1952.6433,
4.891491			4.885610			4.879730		
31550,	5513310,	1957.2878,	31588,	5740730,	1954.9346,	31626,	5980886,	1952.5814,
4.891336			4.885456			4.879575		
31551,	5521362,	1957.2259,	31589,	5750108,	1954.8727,	31627,	5989896,	1952.5194,
4.891182			4.885301			4.879420		
31552,	5527864,	1957.1639,	31590,	5757700,	1954.8107,	31628,	5997062,	1952.4575,
4.891027			4.885146			4.879265		
31553,	5531466,	1957.1020,	31591,	5762144,	1954.7488,	31629,	6001314,	1952.3956,
4.890872			4.884991			4.879110		
31554,	5534368,	1957.0401,	31592,	5765708,	1954.6869,	31630,	6005178,	1952.3336,
4.890717			4.884837			4.878956		
31555,	5539756,	1956.9782,	31593,	5771456,	1954.6249,	31631,	6011654,	1952.2717,
4.890563			4.884682			4.878801		
31556,	5547972,	1956.9162,	31594,	5779500,	1954.5630,	31632,	6020624,	1952.2098,
4.890408			4.884527			4.878646		
31557,	5556024,	1956.8543,	31595,	5786916,	1954.5011,	31633,	6029104,	1952.1479,
4.890253			4.884372			4.878491		
31558,	5561054,	1956.7924,	31596,	5791380,	1954.4392,	31634,	6034932,	1952.0859,
4.890098			4.884217			4.878337		
31559,	5563692,	1956.7305,	31597,	5794142,	1954.3772,	31635,	6039428,	1952.0240,
4.889944			4.884063			4.878182		
31560,	5567264,	1956.6685,	31598,	5798682,	1954.3153,	31636,	6045714,	1951.9621,
4.889789			4.883908			4.878027		
31561,	5573836,	1956.6066,	31599,	5806602,	1954.2534,	31637,	6054778,	1951.9002,
4.889634			4.883753			4.877872		
31562,	5581808,	1956.5447,	31600,	5815704,	1954.1915,	31638,	6064138,	1951.8382,
4.889479			4.883598			4.877718		
31563,	5587934,	1956.4828,	31601,	5822564,	1954.1295,	31639,	6070726,	1951.7763,
4.889324			4.883444			4.877563		
31564,	5591306,	1956.4208,	31602,	5826558,	1954.0676,	31640,	6074628,	1951.7144,
4.889170			4.883289			4.877408		
31565,	5594540,	1956.3589,	31603,	5830546,	1954.0057,	31641,	6079056,	1951.6525,
4.889015			4.883134			4.877253		
31566,	5600690,	1956.2970,	31604,	5837386,	1953.9437,	31642,	6086616,	1951.5905,
4.888860			4.882979			4.877099		
31567,	5609628,	1956.2350,	31605,	5846484,	1953.8818,	31643,	6096234,	1951.5286,
4.888705			4.882825			4.876944		
31568,	5618218,	1956.1731,	31606,	5854530,	1953.8199,	31644,	6104516,	1951.4667,
4.888551			4.882670			4.876789		
31569,	5624032,	1956.1112,	31607,	5859484,	1953.7580,	31645,	6109826,	1951.4047,
4.888396			4.882515			4.876634		
31570,	5628178,	1956.0493,	31608,	5863064,	1953.6960,	31646,	6114240,	1951.3428,
4.888241			4.882360			4.876480		
31571,	5633780,	1955.9873,	31609,	5868708,	1953.6341,	31647,	6120960,	1951.2809,
4.888086			4.882206			4.876325		
31572,	5642106,	1955.9254,	31610,	5877458,	1953.5722,	31648,	6130408,	1951.2190,
4.887932			4.882051			4.876170		
31573,	5650896,	1955.8635,	31611,	5886712,	1953.5103,	31649,	6139646,	1951.1570,
4.887777			4.881896			4.876015		
31574,	5657088,	1955.8016,	31612,	5893368,	1953.4483,	31650,	6145924,	1951.0951,
4.887622			4.881741			4.875861		
31575,	5660558,	1955.7396,	31613,	5897516,	1953.3864,	31651,	6150014,	1951.0332,
4.887467			4.881587			4.875706		
31576,	5664390,	1955.6777,	31614,	5902294,	1953.3245,	31652,	6155286,	1950.9713,
4.887313			4.881432			4.875551		
31577,	5671292,	1955.6158,	31615,	5910060,	1953.2626,	31653,	6163634,	1950.9093,
4.887158			4.881277			4.875396		
31578,	5680402,	1955.5538,	31616,	5919506,	1953.2006,	31654,	6173112,	1950.8474,
4.887003			4.881122			4.875242		
31579,	5688350,	1955.4919,	31617,	5927224,	1953.1387,	31655,	6180236,	1950.7855,
4.886848			4.880968			4.875087		
31580,	5693268,	1955.4300,	31618,	5931850,	1953.0768,	31656,	6184232,	1950.7235,
4.886694			4.880813			4.874932		
31581,	5696970,	1955.3681,	31619,	5935784,	1953.0148,	31657,	6188102,	1950.6616,
4.886539			4.880658			4.874777		
31582,	5702700,	1955.3061,	31620,	5942336,	1952.9529,	31658,	6195168,	1950.5997,
4.886384			4.880503			4.874623		
31583,	5711166,	1955.2442,	31621,	5951728,	1952.8910,	31659,	6205212,	1950.5378,
4.886229			4.880349			4.874468		
31584,	5719662,	1955.1823,	31622,	5960704,	1952.8291,	31660,	6214770,	1950.4758,
4.886075			4.880194			4.874313		
31585,	5725334,	1955.1204,	31623,	5966314,	1952.7671,	31661,	6221246,	1950.4139,
4.885920			4.880039			4.874158		
31586,	5728696,	1955.0584,	31624,	5969366,	1952.7052,	31662,	6225922,	1950.3520,
4.885765			4.879884			4.874003		

31663,	6232260,	1950.2901,	31701,	6505404,	1947.9368,	31739,	6799812,	1945.5836,
4.873849			4.867968			4.862087		
31664,	6241582,	1950.2281,	31702,	6515568,	1947.8749,	31740,	6810276,	1945.5217,
4.873694			4.867813			4.861932		
31665,	6251342,	1950.1662,	31703,	6526186,	1947.8130,	31741,	6820756,	1945.4598,
4.873539			4.867658			4.861778		
31666,	6258180,	1950.1043,	31704,	6533802,	1947.7511,	31742,	6827934,	1945.3978,
4.873384			4.867504			4.861623		
31667,	6262044,	1950.0424,	31705,	6538546,	1947.6891,	31743,	6832456,	1945.3359,
4.873230			4.867349			4.861468		
31668,	6266478,	1949.9804,	31706,	6543988,	1947.6272,	31744,	6838266,	1945.2740,
4.873075			4.867194			4.861313		
31669,	6274536,	1949.9185,	31707,	6552912,	1947.5653,	31745,	6847944,	1945.2121,
4.872920			4.867039			4.861159		
31670,	6285250,	1949.8566,	31708,	6564028,	1947.5033,	31746,	6859568,	1945.1501,
4.872765			4.866885			4.861004		
31671,	6294718,	1949.7946,	31709,	6573586,	1947.4414,	31747,	6868926,	1945.0882,
4.872611			4.866730			4.860849		
31672,	6300626,	1949.7327,	31710,	6579870,	1947.3795,	31748,	6874478,	1945.0263,
4.872456			4.866575			4.860694		
31673,	6304820,	1949.6708,	31711,	6585202,	1947.3176,	31749,	6879158,	1944.9643,
4.872301			4.866420			4.860540		
31674,	6310928,	1949.6089,	31712,	6593012,	1947.2556,	31750,	6886900,	1944.9024,
4.872146			4.866266			4.860385		
31675,	6320004,	1949.5469,	31713,	6603574,	1947.1937,	31751,	6898022,	1944.8405,
4.871992			4.866111			4.860230		
31676,	6329366,	1949.4850,	31714,	6613618,	1947.1318,	31752,	6908930,	1944.7786,
4.871837			4.865956			4.860075		
31677,	6336036,	1949.4231,	31715,	6620288,	1947.0699,	31753,	6916452,	1944.7166,
4.871682			4.865801			4.859921		
31678,	6340474,	1949.3612,	31716,	6624676,	1947.0079,	31754,	6921550,	1944.6547,
4.871527			4.865647			4.859766		
31679,	6346120,	1949.2992,	31717,	6630618,	1946.9460,	31755,	6928032,	1944.5928,
4.871373			4.865492			4.859611		
31680,	6355220,	1949.2373,	31718,	6640098,	1946.8841,	31756,	6937902,	1944.5309,
4.871218			4.865337			4.859456		
31681,	6366004,	1949.1754,	31719,	6650820,	1946.8222,	31757,	6948970,	1944.4689,
4.871063			4.865182			4.859301		
31682,	6374680,	1949.1134,	31720,	6658908,	1946.7602,	31758,	6957622,	1944.4070,
4.870908			4.865028			4.859147		
31683,	6379870,	1949.0515,	31721,	6663526,	1946.6983,	31759,	6963292,	1944.3451,
4.870754			4.864873			4.858992		
31684,	6384184,	1948.9896,	31722,	6667930,	1946.6364,	31760,	6969246,	1944.2832,
4.870599			4.864718			4.858837		
31685,	6391062,	1948.9277,	31723,	6675618,	1946.5744,	31761,	6978628,	1944.2212,
4.870444			4.864563			4.858682		
31686,	6400628,	1948.8657,	31724,	6686184,	1946.5125,	31762,	6990614,	1944.1593,
4.870289			4.864409			4.858528		
31687,	6409570,	1948.8038,	31725,	6695852,	1946.4506,	31763,	7001270,	1944.0974,
4.870135			4.864254			4.858373		
31688,	6415204,	1948.7419,	31726,	6702050,	1946.3887,	31764,	7008172,	1944.0354,
4.869980			4.864099			4.858218		
31689,	6418806,	1948.6800,	31727,	6706562,	1946.3267,	31765,	7013238,	1943.9735,
4.869825			4.863944			4.858063		
31690,	6424182,	1948.6180,	31728,	6713406,	1946.2648,	31766,	7020378,	1943.9116,
4.869670			4.863789			4.857909		
31691,	6433170,	1948.5561,	31729,	6723968,	1946.2029,	31767,	7030810,	1943.8497,
4.869516			4.863635			4.857754		
31692,	6443436,	1948.4942,	31730,	6735200,	1946.1410,	31768,	7041682,	1943.7877,
4.869361			4.863480			4.857599		
31693,	6451254,	1948.4323,	31731,	6743122,	1946.0790,	31769,	7049614,	1943.7258,
4.869206			4.863325			4.857444		
31694,	6455922,	1948.3703,	31732,	6747498,	1946.0171,	31770,	7054868,	1943.6639,
4.869051			4.863170			4.857290		
31695,	6460566,	1948.3084,	31733,	6752124,	1945.9552,	31771,	7061056,	1943.6020,
4.868896			4.863016			4.857135		
31696,	6468352,	1948.2465,	31734,	6760420,	1945.8933,	31772,	7070742,	1943.5400,
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31697,	6478704,	1948.1845,	31735,	6771490,	1945.8313,	31773,	7082256,	1943.4781,
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31698,	6488012,	1948.1226,	31736,	6781328,	1945.7694,	31774,	7091654,	1943.4162,
4.868432			4.862551			4.856671		
31699,	6494028,	1948.0607,	31737,	6787654,	1945.7075,	31775,	7097512,	1943.3542,
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31700,	6498590,	1947.9988,	31738,	6792548,	1945.6455,	31776,	7102770,	1943.2923,
4.868123			4.862242			4.856361		

31777,	7111312,	1943.2304,	31815,	7456446,	1940.8772,	31853,	7815382,	1938.5239,
4.856206			4.850326			4.844445		
31778,	7123310,	1943.1685,	31816,	7470458,	1940.8152,	31854,	7828778,	1938.4620,
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31779,	7134914,	1943.1065,	31817,	7483364,	1940.7533,	31855,	7840696,	1938.4001,
4.855897			4.850016			4.844135		
31780,	7142700,	1943.0446,	31818,	7491968,	1940.6914,	31856,	7848430,	1938.3382,
4.855742			4.849861			4.843980		
31781,	7147664,	1942.9827,	31819,	7497694,	1940.6295,	31857,	7854166,	1938.2762,
4.855587			4.849707			4.843826		
31782,	7154030,	1942.9208,	31820,	7504788,	1940.5675,	31858,	7862454,	1938.2143,
4.855433			4.849552			4.843671		
31783,	7164322,	1942.8588,	31821,	7515326,	1940.5056,	31859,	7874896,	1938.1524,
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31784,	7176530,	1942.7969,	31822,	7526960,	1940.4437,	31860,	7888380,	1938.0905,
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31785,	7186686,	1942.7350,	31823,	7536068,	1940.3818,	31861,	7898916,	1938.0285,
4.854968			4.849087			4.843207		
31786,	7193656,	1942.6731,	31824,	7542374,	1940.3198,	31862,	7906426,	1937.9666,
4.854814			4.848933			4.843052		
31787,	7200390,	1942.6111,	31825,	7549390,	1940.2579,	31863,	7914754,	1937.9047,
4.854659			4.848778			4.842897		
31788,	7210168,	1942.5492,	31826,	7560094,	1940.1960,	31864,	7926896,	1937.8428,
4.854504			4.848623			4.842742		
31789,	7222508,	1942.4873,	31827,	7573124,	1940.1340,	31865,	7941286,	1937.7808,
4.854349			4.848468			4.842588		
31790,	7233634,	1942.4253,	31828,	7584196,	1940.0721,	31866,	7953620,	1937.7189,
4.854194			4.848314			4.842433		
31791,	7241038,	1942.3634,	31829,	7591126,	1940.0102,	31867,	7961978,	1937.6570,
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31792,	7246516,	1942.3015,	31830,	7596512,	1939.9483,	31868,	7969136,	1937.5950,
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31793,	7254064,	1942.2396,	31831,	7604748,	1939.8863,	31869,	7979206,	1937.5331,
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31794,	7265080,	1942.1776,	31832,	7616894,	1939.8244,	31870,	7992692,	1937.4712,
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31795,	7276716,	1942.1157,	31833,	7629492,	1939.7625,	31871,	8005950,	1937.4093,
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31796,	7285362,	1942.0538,	31834,	7638716,	1939.7006,	31872,	8015622,	1937.3473,
4.853266			4.847385			4.841504		
31797,	7291074,	1941.9919,	31835,	7644874,	1939.6386,	31873,	8022726,	1937.2854,
4.853111			4.847230			4.841350		
31798,	7297554,	1941.9299,	31836,	7651920,	1939.5767,	31874,	8031344,	1937.2235,
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31799,	7307692,	1941.8680,	31837,	7662594,	1939.5148,	31875,	8043576,	1937.1616,
4.852802			4.846921			4.841040		
31800,	7320018,	1941.8061,	31838,	7675086,	1939.4529,	31876,	8056844,	1937.0996,
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31801,	7330378,	1941.7441,	31839,	7685206,	1939.3909,	31877,	8066948,	1937.0377,
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31802,	7336892,	1941.6822,	31840,	7691480,	1939.3290,	31878,	8073216,	1936.9758,
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31803,	7342232,	1941.6203,	31841,	7696956,	1939.2671,	31879,	8079538,	1936.9138,
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31804,	7350464,	1941.5584,	31842,	7705588,	1939.2051,	31880,	8089920,	1936.8519,
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31805,	7362208,	1941.4964,	31843,	7717480,	1939.1432,	31881,	8103816,	1936.7900,
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31807,	7382094,	1941.3726,	31845,	7736782,	1939.0194,	31883,	8125954,	1936.6661,
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31808,	7387620,	1941.3107,	31846,	7742796,	1938.9574,	31884,	8133138,	1936.6042,
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31809,	7394662,	1941.2487,	31847,	7751314,	1938.8955,	31885,	8142800,	1936.5423,
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31810,	7405804,	1941.1868,	31848,	7764292,	1938.8336,	31886,	8156366,	1936.4804,
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31811,	7419018,	1941.1249,	31849,	7778758,	1938.7717,	31887,	8170358,	1936.4184,
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31812,	7430152,	1941.0630,	31850,	7790168,	1938.7097,	31888,	8180472,	1936.3565,
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31891,	8204850,	1936.1707,	31929,	8624790,	1933.8175,	31967,	9091258,	1931.4643,
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31892,	8219128,	1936.1088,	31930,	8639392,	1933.7556,	31968,	9110128,	1931.4024,
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31895,	8247032,	1935.9230,	31933,	8667312,	1933.5698,	31971,	9150374,	1931.2166,
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31898,	8285040,	1935.7372,	31936,	8708946,	1933.3840,	31974,	9203052,	1931.0308,
4.837481			4.831600			4.825719		
31899,	8295258,	1935.6753,	31937,	8720370,	1933.3221,	31975,	9215990,	1930.9689,
4.837326			4.831445			4.825564		
31900,	8302238,	1935.6134,	31938,	8729250,	1933.2602,	31976,	9226046,	1930.9069,
4.837171			4.831290			4.825410		
31901,	8310478,	1935.5515,	31939,	8740162,	1933.1982,	31977,	9238082,	1930.8450,
4.837016			4.831136			4.825255		
31902,	8322922,	1935.4895,	31940,	8755424,	1933.1363,	31978,	9253704,	1930.7831,
4.836862			4.830981			4.825100		
31903,	8337446,	1935.4276,	31941,	8772258,	1933.0744,	31979,	9268936,	1930.7212,
4.836707			4.830826			4.824945		
31904,	8349444,	1935.3657,	31942,	8786100,	1933.0125,	31980,	9278628,	1930.6592,
4.836552			4.830671			4.824791		
31905,	8357414,	1935.3037,	31943,	8796090,	1932.9505,	31981,	9282550,	1930.5973,
4.836397			4.830517			4.824636		
31906,	8364896,	1935.2418,	31944,	8806094,	1932.8886,	31982,	9285958,	1930.5354,
4.836243			4.830362			4.824481		
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4.836088			4.830207			4.824326		
31908,	8391978,	1935.1180,	31946,	8836738,	1932.7647,	31984,	9306056,	1930.4115,
4.835933			4.830052			4.824172		
31909,	8407506,	1935.0560,	31947,	8851748,	1932.7028,	31985,	9317678,	1930.3496,
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31910,	8419300,	1934.9941,	31948,	8862116,	1932.6409,	31986,	9325854,	1930.2877,
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4.835469			4.829588			4.823707		
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31913,	8453406,	1934.8083,	31951,	8896232,	1932.4551,	31989,	9359294,	1930.1019,
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31914,	8468370,	1934.7464,	31952,	8911712,	1932.3932,	31990,	9375714,	1930.0400,
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31920,	8535206,	1934.3748,	31958,	8978770,	1932.0216,	31996,	9455788,	1929.6684,
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31921,	8543486,	1934.3129,	31959,	8987120,	1931.9597,	31997,	9464780,	1929.6065,
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32130,	11573428,	1921.3702,	32168,	12302104,	1919.0170,	32206,	13113630,	1916.6638,
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32131,	11594406,	1921.3083,	32169,	12324572,	1918.9550,	32207,	13138960,	1916.6018,
4.801422			4.795541			4.789661		
32132,	11609666,	1921.2463,	32170,	12341200,	1918.8931,	32208,	13157380,	1916.5399,
4.801267			4.795387			4.789506		
32133,	11621836,	1921.1844,	32171,	12355314,	1918.8312,	32209,	13173350,	1916.4780,
4.801113			4.795232			4.789351		
32134,	11637312,	1921.1225,	32172,	12373466,	1918.7693,	32210,	13194000,	1916.4160,
4.800958			4.795077			4.789196		
32135,	11658592,	1921.0606,	32173,	12397660,	1918.7073,	32211,	13220724,	1916.3541,
4.800803			4.794922			4.789042		
32136,	11681264,	1920.9986,	32174,	12423046,	1918.6454,	32212,	13247670,	1916.2922,
4.800648			4.794768			4.788887		
32137,	11699274,	1920.9367,	32175,	12443904,	1918.5835,	32213,	13268900,	1916.2303,
4.800494			4.794613			4.788732		
32138,	11712242,	1920.8748,	32176,	12460582,	1918.5216,	32214,	13285568,	1916.1683,
4.800339			4.794458			4.788577		
32139,	11726030,	1920.8129,	32177,	12479018,	1918.4596,	32215,	13304516,	1916.1064,
4.800184			4.794303			4.788422		
32140,	11745896,	1920.7509,	32178,	12503406,	1918.3977,	32216,	13329962,	1916.0445,
4.800029			4.794149			4.788268		
32141,	11770340,	1920.6890,	32179,	12530894,	1918.3358,	32217,	13358410,	1915.9826,
4.799875			4.793994			4.788113		
32142,	11792976,	1920.6271,	32180,	12554790,	1918.2739,	32218,	13382818,	1915.9206,
4.799720			4.793839			4.787958		
32143,	11810070,	1920.5651,	32181,	12572476,	1918.2119,	32219,	13401142,	1915.8587,
4.799565			4.793684			4.787803		
32144,	11824754,	1920.5032,	32182,	12588526,	1918.1500,	32220,	13418850,	1915.7968,
4.799410			4.793529			4.787649		
32145,	11842874,	1920.4413,	32183,	12609226,	1918.0881,	32221,	13442420,	1915.7348,
4.799256			4.793375			4.787494		
32146,	11865678,	1920.3794,	32184,	12635074,	1918.0261,	32222,	13471594,	1915.6729,
4.799101			4.793220			4.787339		
32147,	11888184,	1920.3174,	32185,	12660274,	1917.9642,	32223,	13499730,	1915.6110,
4.798946			4.793065			4.787184		
32148,	11905290,	1920.2555,	32186,	12679838,	1917.9023,	32224,	13521820,	1915.5491,
4.798791			4.792910			4.787030		
32149,	11918236,	1920.1936,	32187,	12695732,	1917.8404,	32225,	13540574,	1915.4871,
4.798636			4.792756			4.786875		
32150,	11933510,	1920.1317,	32188,	12714576,	1917.7784,	32226,	13563166,	1915.4252,
4.798482			4.792601			4.786720		
32151,	11955418,	1920.0697,	32189,	12739640,	1917.7165,	32227,	13592496,	1915.3633,
4.798327			4.792446			4.786565		
32152,	11981102,	1920.0078,	32190,	12766770,	1917.6546,	32228,	13623530,	1915.3014,
4.798172			4.792291			4.786411		
32153,	12003970,	1919.9459,	32191,	12789270,	1917.5927,	32229,	13649092,	1915.2394,
4.798017			4.792137			4.786256		
32154,	12021440,	1919.8839,	32192,	12805880,	1917.5307,	32230,	13668322,	1915.1775,
4.797863			4.791982			4.786101		
32155,	12037762,	1919.8220,	32193,	12822342,	1917.4688,	32231,	13687648,	1915.1156,
4.797708			4.791827			4.785946		
32156,	12058634,	1919.7601,	32194,	12844520,	1917.4069,	32232,	13713208,	1915.0537,
4.797553			4.791672			4.785792		

32233,	13743726,	1914.9917,	32271,	14726032,	1912.6385,	32309,	15875258,	1910.2853,
4.785637			4.779756			4.773875		
32234,	13772352,	1914.9298,	32272,	14757876,	1912.5766,	32310,	15908910,	1910.2234,
4.785482			4.779601			4.773720		
32235,	13795082,	1914.8679,	32273,	14782636,	1912.5146,	32311,	15935744,	1910.1614,
4.785327			4.779447			4.773566		
32236,	13815596,	1914.8059,	32274,	14805632,	1912.4527,	32312,	15962444,	1910.0995,
4.785173			4.779292			4.773411		
32237,	13840632,	1914.7440,	32275,	14834316,	1912.3908,	32313,	15996616,	1910.0376,
4.785018			4.779137			4.773256		
32238,	13871662,	1914.6821,	32276,	14869210,	1912.3289,	32314,	16037546,	1909.9756,
4.784863			4.778982			4.773101		
32239,	13902918,	1914.6202,	32277,	14903110,	1912.2669,	32315,	16076844,	1909.9137,
4.784708			4.778828			4.772947		
32240,	13928324,	1914.5582,	32278,	14929542,	1912.2050,	32316,	16108308,	1909.8518,
4.784554			4.778673			4.772792		
32241,	13948890,	1914.4963,	32279,	14950472,	1912.1431,	32317,	16135252,	1909.7899,
4.784399			4.778518			4.772637		
32242,	13971566,	1914.4344,	32280,	14973978,	1912.0812,	32318,	16166438,	1909.7279,
4.784244			4.778363			4.772482		
32243,	14000878,	1914.3725,	32281,	15004708,	1912.0192,	32319,	16205470,	1909.6660,
4.784089			4.778208			4.772328		
32244,	14033338,	1914.3105,	32282,	15038538,	1911.9573,	32320,	16246318,	1909.6041,
4.783935			4.778054			4.772173		
32245,	14061486,	1914.2486,	32283,	15067818,	1911.8954,	32321,	16280446,	1909.5422,
4.783780			4.777899			4.772018		
32246,	14082750,	1914.1867,	32284,	15090822,	1911.8335,	32322,	16307020,	1909.4802,
4.783625			4.777744			4.771863		
32247,	14102536,	1914.1247,	32285,	15114010,	1911.7715,	32323,	16333926,	1909.4183,
4.783470			4.777589			4.771709		
32248,	14127742,	1914.0628,	32286,	15144308,	1911.7096,	32324,	16368318,	1909.3564,
4.783315			4.777435			4.771554		
32249,	14158466,	1914.0009,	32287,	15180706,	1911.6477,	32325,	16407958,	1909.2944,
4.783161			4.777280			4.771399		
32250,	14187876,	1913.9390,	32288,	15215330,	1911.5857,	32326,	16443812,	1909.2325,
4.783006			4.777125			4.771244		
32251,	14210402,	1913.8770,	32289,	15242722,	1911.5238,	32327,	16470774,	1909.1706,
4.782851			4.776970			4.771090		
32252,	14228474,	1913.8151,	32290,	15266280,	1911.4619,	32328,	16493774,	1909.1087,
4.782696			4.776816			4.770935		
32253,	14249638,	1913.7532,	32291,	15294054,	1911.4000,	32329,	16521824,	1909.0467,
4.782542			4.776661			4.770780		
32254,	14277536,	1913.6913,	32292,	15329068,	1911.3380,	32330,	16557164,	1908.9848,
4.782387			4.776506			4.770625		
32255,	14307594,	1913.6293,	32293,	15365752,	1911.2761,	32331,	16592494,	1908.9229,
4.782232			4.776351			4.770471		
32256,	14332572,	1913.5674,	32294,	15396820,	1911.2142,	32332,	16619734,	1908.8610,
4.782077			4.776197			4.770316		
32257,	14351392,	1913.5055,	32295,	15422270,	1911.1523,	32333,	16639854,	1908.7990,
4.781923			4.776042			4.770161		
32258,	14370514,	1913.4436,	32296,	15449518,	1911.0903,	32334,	16662058,	1908.7371,
4.781768			4.775887			4.770006		
32259,	14396250,	1913.3816,	32297,	15484464,	1911.0284,	32335,	16693300,	1908.6752,
4.781613			4.775732			4.769852		
32260,	14427196,	1913.3197,	32298,	15524192,	1910.9665,	32336,	16730540,	1908.6133,
4.781458			4.775578			4.769697		
32261,	14455914,	1913.2578,	32299,	15560194,	1910.9045,	32337,	16764924,	1908.5513,
4.781304			4.775423			4.769542		
32262,	14477922,	1913.1958,	32300,	15588360,	1910.8426,	32338,	16792710,	1908.4894,
4.781149			4.775268			4.769387		
32263,	14497138,	1913.1339,	32301,	15613796,	1910.7807,	32339,	16819754,	1908.4275,
4.780994			4.775113			4.769233		
32264,	14521264,	1913.0720,	32302,	15644652,	1910.7188,	32340,	16854290,	1908.3655,
4.780839			4.774959			4.769078		
32265,	14552574,	1913.0101,	32303,	15682316,	1910.6568,	32341,	16896742,	1908.3036,
4.780685			4.774804			4.768923		
32266,	14585254,	1912.9481,	32304,	15719798,	1910.5949,	32342,	16939056,	1908.2417,
4.780530			4.774649			4.768768		
32267,	14612452,	1912.8862,	32305,	15750138,	1910.5330,	32343,	16974286,	1908.1798,
4.780375			4.774494			4.768613		
32268,	14634578,	1912.8243,	32306,	15774844,	1910.4711,	32344,	17004944,	1908.1178,
4.780220			4.774340			4.768459		
32269,	14658806,	1912.7624,	32307,	15802096,	1910.4091,	32345,	17039914,	1908.0559,
4.780066			4.774185			4.768304		
32270,	14690356,	1912.7004,	32308,	15836934,	1910.3472,	32346,	17083638,	1907.9940,
4.779911			4.774030			4.768149		

32347,	17130624,	1907.9321,	32385,	18704580,	1905.5788,	32423,	20312376,	1903.2256,
4.767994			4.762114			4.756233		
32348,	17172024,	1907.8701,	32386,	18741434,	1905.5169,	32424,	20361420,	1903.1637,
4.767840			4.761959			4.756078		
32349,	17206408,	1907.8082,	32387,	18769954,	1905.4550,	32425,	20403670,	1903.1018,
4.767685			4.761804			4.755923		
32350,	17241746,	1907.7463,	32388,	18799688,	1905.3931,	32426,	20448916,	1903.0398,
4.767530			4.761649			4.755769		
32351,	17286040,	1907.6843,	32389,	18838816,	1905.3311,	32427,	20503998,	1902.9779,
4.767375			4.761495			4.755614		
32352,	17337766,	1907.6224,	32390,	18884696,	1905.2692,	32428,	20563906,	1902.9160,
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32353,	17387546,	1907.5605,	32391,	18927498,	1905.2073,	32429,	20617000,	1902.8541,
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32354,	17429214,	1907.4986,	32392,	18962580,	1905.1453,	32430,	20658236,	1902.7921,
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32355,	17466996,	1907.4366,	32393,	18996656,	1905.0834,	32431,	20694564,	1902.7302,
4.766756			4.760876			4.754995		
32356,	17510320,	1907.3747,	32394,	19040178,	1905.0215,	32432,	20736218,	1902.6683,
4.766602			4.760721			4.754840		
32357,	17562442,	1907.3128,	32395,	19094860,	1904.9596,	32433,	20784592,	1902.6063,
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32358,	17616526,	1907.2509,	32396,	19151288,	1904.8976,	32434,	20831390,	1902.5444,
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32359,	17663804,	1907.1889,	32397,	19199542,	1904.8357,	32435,	20870038,	1902.4825,
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32360,	17703924,	1907.1270,	32398,	19240320,	1904.7738,	32436,	20905190,	1902.4206,
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32361,	17745060,	1907.0651,	32399,	19283316,	1904.7119,	32437,	20948224,	1902.3586,
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32362,	17793676,	1907.0032,	32400,	19334922,	1904.6499,	32438,	21003546,	1902.2967,
4.765673			4.759792			4.753912		
32363,	17846434,	1906.9412,	32401,	19390084,	1904.5880,	32439,	21062038,	1902.2348,
4.765518			4.759638			4.753757		
32364,	17894056,	1906.8793,	32402,	19438122,	1904.5261,	32440,	21109962,	1902.1729,
4.765364			4.759483			4.753602		
32365,	17932554,	1906.8174,	32403,	19475530,	1904.4642,	32441,	21143452,	1902.1109,
4.765209			4.759328			4.753447		
32366,	17968182,	1906.7554,	32404,	19510370,	1904.4022,	32442,	21172156,	1902.0490,
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32367,	18010040,	1906.6935,	32405,	19552850,	1904.3403,	32443,	21208144,	1901.9871,
4.764899			4.759019			4.753138		
32368,	18059072,	1906.6316,	32406,	19603306,	1904.2784,	32444,	21253350,	1901.9251,
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32369,	18106728,	1906.5697,	32407,	19651928,	1904.2164,	32445,	21299856,	1901.8632,
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32370,	18145016,	1906.5077,	32408,	19690600,	1904.1545,	32446,	21341650,	1901.8013,
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32371,	18175928,	1906.4458,	32409,	19722572,	1904.0926,	32447,	21382826,	1901.7394,
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32372,	18209018,	1906.3839,	32410,	19758498,	1904.0307,	32448,	21432102,	1901.6774,
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32373,	18250006,	1906.3220,	32411,	19803546,	1903.9687,	32449,	21490642,	1901.6155,
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32374,	18294174,	1906.2600,	32412,	19851180,	1903.9068,	32450,	21548436,	1901.5536,
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32376,	18362702,	1906.1362,	32414,	19921594,	1903.7830,	32452,	21626650,	1901.4297,
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32377,	18392722,	1906.0743,	32415,	19952122,	1903.7210,	32453,	21655244,	1901.3678,
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32378,	18430872,	1906.0123,	32416,	19992012,	1903.6591,	32454,	21687994,	1901.3059,
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32379,	18475990,	1905.9504,	32417,	20039898,	1903.5972,	32455,	21723604,	1901.2440,
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32380,	18518632,	1905.8885,	32418,	20085828,	1903.5352,	32456,	21756000,	1901.1820,
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32381,	18552368,	1905.8265,	32419,	20123724,	1903.4733,	32457,	21785172,	1901.1201,
4.762733			4.756852			4.750971		
32382,	18581564,	1905.7646,	32420,	20159002,	1903.4114,	32458,	21819270,	1901.0582,
4.762578			4.756697			4.750816		
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32384,	18659638,	1905.6408,	32422,	20256064,	1903.2875,	32460,	21912062,	1900.9343,
4.762268			4.756388			4.750507		



32461,	21947328,	1900.8724,	32499,	23819908,	1898.5192,	32537,	25497766,	1896.1659,
4.750352			4.744471			4.738591		
32462,	21960846,	1900.8105,	32500,	23881174,	1898.4572,	32538,	25518656,	1896.1040,
4.750197			4.744317			4.738436		
32463,	21961210,	1900.7485,	32501,	23932766,	1898.3953,	32539,	25532320,	1896.0421,
4.750043			4.744162			4.738281		
32464,	21966444,	1900.6866,	32502,	23990150,	1898.3334,	32540,	25555916,	1895.9802,
4.749888			4.744007			4.738126		
32465,	21985674,	1900.6247,	32503,	24060218,	1898.2715,	32541,	25595058,	1895.9182,
4.749733			4.743852			4.737971		
32466,	22011226,	1900.5628,	32504,	24132716,	1898.2095,	32542,	25636236,	1895.8563,
4.749578			4.743698			4.737817		
32467,	22030014,	1900.5008,	32505,	24192124,	1898.1476,	32543,	25662242,	1895.7944,
4.749424			4.743543			4.737662		
32468,	22040930,	1900.4389,	32506,	24236034,	1898.0857,	32544,	25672338,	1895.7325,
4.749269			4.743388			4.737507		
32469,	22057824,	1900.3770,	32507,	24277996,	1898.0238,	32545,	25682980,	1895.6705,
4.749114			4.743233			4.737352		
32470,	22094632,	1900.3150,	32508,	24331354,	1897.9618,	32546,	25708120,	1895.6086,
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32471,	22150012,	1900.2531,	32509,	24393310,	1897.8999,	32547,	25742560,	1895.5467,
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32472,	22209480,	1900.1912,	32510,	24448448,	1897.8380,	32548,	25768400,	1895.4847,
4.748650			4.742769			4.736888		
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32474,	22312194,	1900.0673,	32512,	24520024,	1897.7141,	32550,	25778932,	1895.3609,
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32476,	22443406,	1899.9435,	32514,	24622132,	1897.5903,	32552,	25819050,	1895.2370,
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32477,	22516508,	1899.8816,	32515,	24685786,	1897.5283,	32553,	25843664,	1895.1751,
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32478,	22577808,	1899.8196,	32516,	24738106,	1897.4664,	32554,	25851488,	1895.1132,
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32479,	22627780,	1899.7577,	32517,	24777772,	1897.4045,	32555,	25848546,	1895.0513,
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32480,	22679702,	1899.6958,	32518,	24818182,	1897.3426,	32556,	25856878,	1894.9893,
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32481,	22743086,	1899.6339,	32519,	24870152,	1897.2806,	32557,	25890702,	1894.9274,
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32482,	22811094,	1899.5719,	32520,	24928158,	1897.2187,	32558,	25941104,	1894.8655,
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32484,	22906646,	1899.4481,	32522,	25010276,	1897.0948,	32560,	26021720,	1894.7416,
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32485,	22940418,	1899.3861,	32523,	25039074,	1897.0329,	32561,	26058164,	1894.6797,
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32486,	22987232,	1899.3242,	32524,	25078368,	1896.9710,	32562,	26115196,	1894.6178,
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32487,	23051328,	1899.2623,	32525,	25128954,	1896.9091,	32563,	26192700,	1894.5558,
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32488,	23118752,	1899.2004,	32526,	25175856,	1896.8471,	32564,	26270434,	1894.4939,
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32489,	23173674,	1899.1384,	32527,	25205994,	1896.7852,	32565,	26329550,	1894.4320,
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32490,	23216346,	1899.0765,	32528,	25224064,	1896.7233,	32566,	26371416,	1894.3701,
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32491,	23262180,	1899.0146,	32529,	25247414,	1896.6614,	32567,	26411760,	1894.3081,
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32492,	23323724,	1898.9527,	32530,	25285726,	1896.5994,	32568,	26458192,	1894.2462,
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32493,	23397032,	1898.8907,	32531,	25329706,	1896.5375,	32569,	26499148,	1894.1843,
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32494,	23467944,	1898.8288,	32532,	25362320,	1896.4756,	32570,	26518140,	1894.1224,
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32575,	26587544,	1893.8127,	32613,	28626424,	1891.4595,	32651,	33233098,	1889.1063,
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33157,	2807570,	1857.7713,	33195,	3057726,	1855.4180,	33233,	3218954,	1853.0648,
4.642641			4.636760			4.630879		
33158,	2814072,	1857.7093,	33196,	3052482,	1855.3561,	33234,	3212186,	1853.0029,
4.642486			4.636605			4.630724		
33159,	2817430,	1857.6474,	33197,	3044244,	1855.2942,	33235,	3205102,	1852.9410,
4.642331			4.636450			4.630570		
33160,	2827972,	1857.5855,	33198,	3042736,	1855.2323,	33236,	3205768,	1852.8790,
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33161,	2847242,	1857.5236,	33199,	3049622,	1855.1703,	33237,	3213536,	1852.8171,
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4.641867			4.635986			4.630105		
33163,	2875050,	1857.3997,	33201,	3057778,	1855.0465,	33239,	3218544,	1852.6933,
4.641712			4.635831			4.629951		
33164,	2876348,	1857.3378,	33202,	3053596,	1854.9846,	33240,	3213094,	1852.6313,
4.641557			4.635677			4.629796		
33165,	2880572,	1857.2758,	33203,	3053474,	1854.9226,	33241,	3212418,	1852.5694,
4.641403			4.635522			4.629641		
33166,	2894520,	1857.2139,	33204,	3062368,	1854.8607,	33242,	3220000,	1852.5075,
4.641248			4.635367			4.629486		
33167,	2913038,	1857.1520,	33205,	3075290,	1854.7988,	33243,	3229566,	1852.4456,
4.641093			4.635212			4.629332		
33168,	2925174,	1857.0901,	33206,	3083442,	1854.7368,	33244,	3232414,	1852.3836,
4.640938			4.635058			4.629177		
33169,	2927184,	1857.0281,	33207,	3084940,	1854.6749,	33245,	3227670,	1852.3217,
4.640784			4.634903			4.629022		
33170,	2926852,	1856.9662,	33208,	3087122,	1854.6130,	33246,	3223170,	1852.2598,
4.640629			4.634748			4.628867		
33171,	2934134,	1856.9043,	33209,	3097604,	1854.5511,	33247,	3226018,	1852.1978,
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33172,	2949382,	1856.8424,	33210,	3114938,	1854.4891,	33248,	3234090,	1852.1359,
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33173,	2963182,	1856.7804,	33211,	3130122,	1854.4272,	33249,	3238674,	1852.0740,
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33175,	2966750,	1856.6566,	33213,	3140270,	1854.3034,	33251,	3227766,	1851.9501,
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33176,	2969990,	1856.5947,	33214,	3148200,	1854.2414,	33252,	3225850,	1851.8882,
4.639700			4.633820			4.627939		
33177,	2982204,	1856.5327,	33215,	3163842,	1854.1795,	33253,	3231420,	1851.8263,
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33178,	2996702,	1856.4708,	33216,	3180306,	1854.1176,	33254,	3237710,	1851.7644,
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33179,	3003362,	1856.4089,	33217,	3189090,	1854.0556,	33255,	3237288,	1851.7024,
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33260,	3245866,	1851.3928,	33298,	3329086,	1849.0396,	33336,	3325930,	1846.6863,
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33261,	3243552,	1851.3309,	33299,	3325580,	1848.9776,	33337,	3319880,	1846.6244,
4.626546			4.620665			4.614784		
33262,	3239706,	1851.2689,	33300,	3320818,	1848.9157,	33338,	3314188,	1846.5625,
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33263,	3242060,	1851.2070,	33301,	3321784,	1848.8538,	33339,	3314684,	1846.5006,
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33264,	3250896,	1851.1451,	33302,	3328030,	1848.7919,	33340,	3319786,	1846.4386,
4.626082			4.620201			4.614320		
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33266,	3259122,	1851.0212,	33304,	3329818,	1848.6680,	33342,	3318752,	1846.3148,
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33267,	3254704,	1850.9593,	33305,	3323396,	1848.6061,	33343,	3312612,	1846.2529,
4.625617			4.619737			4.613856		
33268,	3253634,	1850.8974,	33306,	3320662,	1848.5442,	33344,	3311158,	1846.1909,
4.625463			4.619582			4.613701		
33269,	3259922,	1850.8355,	33307,	3324378,	1848.4822,	33345,	3316090,	1846.1290,
4.625308			4.619427			4.613546		
33270,	3268574,	1850.7735,	33308,	3329152,	1848.4203,	33346,	3321536,	1846.0671,
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4.624998			4.619118			4.613237		
33272,	3267656,	1850.6497,	33310,	3320806,	1848.2964,	33348,	3315248,	1845.9432,
4.624844			4.618963			4.613082		
33273,	3263616,	1850.5877,	33311,	3314792,	1848.2345,	33349,	3311162,	1845.8813,
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33274,	3266282,	1850.5258,	33312,	3315904,	1848.1726,	33350,	3313784,	1845.8194,
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33275,	3274188,	1850.4639,	33313,	3321894,	1848.1107,	33351,	3320144,	1845.7574,
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33276,	3279396,	1850.4020,	33314,	3325040,	1848.0487,	33352,	3322830,	1845.6955,
4.624225			4.618344			4.612463		
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33280,	3278006,	1850.1543,	33318,	3320210,	1847.8010,	33356,	3317418,	1845.4478,
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33283,	3283316,	1849.9685,	33321,	3320254,	1847.6153,	33359,	3316396,	1845.2620,
4.623141			4.617260			4.611380		
33284,	3280230,	1849.9065,	33322,	3316850,	1847.5533,	33360,	3313828,	1845.2001,
4.622987			4.617106			4.611225		
33285,	3284516,	1849.8446,	33323,	3320170,	1847.4914,	33361,	3317486,	1845.1382,
4.622832			4.616951			4.611070		
33286,	3293498,	1849.7827,	33324,	3326630,	1847.4295,	33362,	3323400,	1845.0762,
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4.622522			4.616641			4.610761		
33288,	3298264,	1849.6588,	33326,	3323936,	1847.3056,	33364,	3319504,	1844.9524,
4.622367			4.616487			4.610606		
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4.622213			4.616332			4.610451		
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33291,	3307140,	1849.4731,	33329,	3323398,	1847.1198,	33367,	3315828,	1844.7666,
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33293,	3315962,	1849.3492,	33331,	3326430,	1846.9960,	33369,	3312702,	1844.6428,
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33294,	3311674,	1849.2873,	33332,	3320578,	1846.9341,	33370,	3304972,	1844.5808,
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33374,	3304442,	1844.3331,	33412,	3236952,	1841.9799,	33450,	3151844,	1839.6267,
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33379,	3298802,	1844.0235,	33417,	3226526,	1841.6703,	33455,	3142450,	1839.3170,
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33382,	3282096,	1843.8377,	33420,	3209754,	1841.4845,	33458,	3127952,	1839.1313,
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33383,	3284020,	1843.7758,	33421,	3212358,	1841.4226,	33459,	3129826,	1839.0693,
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33390,	3278308,	1843.3423,	33428,	3204562,	1840.9891,	33466,	3114744,	1838.6359,
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4.606427			4.600547			4.594666		
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33401,	3252060,	1842.6611,	33439,	3181994,	1840.3079,	33477,	3085826,	1837.9547,
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33402,	3246936,	1842.5992,	33440,	3174256,	1840.2460,	33478,	3078838,	1837.8927,
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33406,	3251590,	1842.3515,	33444,	3169450,	1839.9982,	33482,	3076522,	1837.6450,
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33411,	3240586,	1842.0418,	33449,	3155500,	1839.6886,	33487,	3067222,	1837.3354,
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33488,	3062702,	1837.2735,	33526,	2972232,	1834.9202,	33564,	2884992,	1832.5670,
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33496,	3036392,	1836.7780,	33534,	2947124,	1834.4248,	33572,	2876334,	1832.0716,
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33500,	3025922,	1836.5303,	33538,	2933804,	1834.1771,	33576,	2858636,	1831.8239,
4.589559			4.583678			4.577797		
33501,	3021500,	1836.4684,	33539,	2930790,	1834.1152,	33577,	2852870,	1831.7620,
4.589404			4.583523			4.577643		
33502,	3021958,	1836.4065,	33540,	2932670,	1834.0533,	33578,	2851484,	1831.7000,
4.589249			4.583369			4.577488		
33503,	3023184,	1836.3446,	33541,	2934676,	1833.9913,	33579,	2849938,	1831.6381,
4.589095			4.583214			4.577333		
33504,	3020428,	1836.2826,	33542,	2932276,	1833.9294,	33580,	2844344,	1831.5762,
4.588940			4.583059			4.577178		
33505,	3014080,	1836.2207,	33543,	2926502,	1833.8675,	33581,	2836256,	1831.5143,
4.588785			4.582904			4.577023		
33506,	3009116,	1836.1588,	33544,	2922578,	1833.8056,	33582,	2830758,	1831.4523,
4.588630			4.582750			4.576869		
33507,	3008966,	1836.0968,	33545,	2923558,	1833.7436,	33583,	2830288,	1831.3904,
4.588476			4.582595			4.576714		
33508,	3011236,	1836.0349,	33546,	2926620,	1833.6817,	33584,	2831664,	1831.3285,
4.588321			4.582440			4.576559		
33509,	3010542,	1835.9730,	33547,	2926480,	1833.6198,	33585,	2829864,	1831.2665,
4.588166			4.582285			4.576404		
33510,	3004982,	1835.9111,	33548,	2921732,	1833.5578,	33586,	2824038,	1831.2046,
4.588011			4.582130			4.576250		
33511,	2998432,	1835.8491,	33549,	2916532,	1833.4959,	33587,	2818478,	1831.1427,
4.587857			4.581976			4.576095		
33512,	2995888,	1835.7872,	33550,	2915592,	1833.4340,	33588,	2817394,	1831.0808,
4.587702			4.581821			4.575940		
33513,	2997450,	1835.7253,	33551,	2918492,	1833.3721,	33589,	2819814,	1831.0188,
4.587547			4.581666			4.575785		
33514,	2998250,	1835.6634,	33552,	2920136,	1833.3101,	33590,	2820644,	1830.9569,
4.587392			4.581511			4.575631		
33515,	2994380,	1835.6014,	33553,	2916776,	1833.2482,	33591,	2816690,	1830.8950,
4.587237			4.581357			4.575476		
33516,	2987664,	1835.5395,	33554,	2910364,	1833.1863,	33592,	2810364,	1830.8331,
4.587083			4.581202			4.575321		
33517,	2983502,	1835.4776,	33555,	2906022,	1833.1244,	33593,	2806740,	1830.7711,
4.586928			4.581047			4.575166		
33518,	2984286,	1835.4157,	33556,	2905822,	1833.0624,	33594,	2807436,	1830.7092,
4.586773			4.580892			4.575012		
33519,	2986432,	1835.3537,	33557,	2906366,	1833.0005,	33595,	2808734,	1830.6473,
4.586618			4.580738			4.574857		
33520,	2984588,	1835.2918,	33558,	2903062,	1832.9386,	33596,	2806066,	1830.5854,
4.586464			4.580583			4.574702		
33521,	2978092,	1835.2299,	33559,	2895874,	1832.8766,	33597,	2799448,	1830.5234,
4.586309			4.580428			4.574547		
33522,	2971902,	1835.1679,	33560,	2889568,	1832.8147,	33598,	2793418,	1830.4615,
4.586154			4.580273			4.574393		
33523,	2970824,	1835.1060,	33561,	2888072,	1832.7528,	33599,	2791578,	1830.3996,
4.585999			4.580119			4.574238		
33524,	2973894,	1835.0441,	33562,	2889808,	1832.6909,	33600,	2792412,	1830.3376,
4.585845			4.579964			4.574083		
33525,	2975556,	1834.9822,	33563,	2889608,	1832.6289,	33601,	2791308,	1830.2757,
4.585690			4.579809			4.573928		

33602,	2786278,	1830.2138,	33640,	2691638,	1827.8606,	33678,	2606750,	1825.5073,
4.573774			4.567893			4.562012		
33603,	2780392,	1830.1519,	33641,	2685000,	1827.7986,	33679,	2601072,	1825.4454,
4.573619			4.567738			4.561857		
33604,	2777976,	1830.0899,	33642,	2681906,	1827.7367,	33680,	2598934,	1825.3835,
4.573464			4.567583			4.561702		
33605,	2779216,	1830.0280,	33643,	2682368,	1827.6748,	33681,	2599594,	1825.3216,
4.573309			4.567429			4.561548		
33606,	2779764,	1829.9661,	33644,	2682172,	1827.6129,	33682,	2598848,	1825.2596,
4.573155			4.567274			4.561393		
33607,	2775862,	1829.9042,	33645,	2678036,	1827.5509,	33683,	2594116,	1825.1977,
4.573000			4.567119			4.561238		
33608,	2768828,	1829.8422,	33646,	2671534,	1827.4890,	33684,	2587618,	1825.1358,
4.572845			4.566964			4.561083		
33609,	2763518,	1829.7803,	33647,	2667096,	1827.4271,	33685,	2583690,	1825.0739,
4.572690			4.566809			4.560929		
33610,	2762564,	1829.7184,	33648,	2666556,	1827.3652,	33686,	2583584,	1825.0119,
4.572536			4.566655			4.560774		
33611,	2763290,	1829.6564,	33649,	2666906,	1827.3032,	33687,	2583948,	1824.9500,
4.572381			4.566500			4.560619		
33612,	2761010,	1829.5945,	33650,	2663990,	1827.2413,	33688,	2580884,	1824.8881,
4.572226			4.566345			4.560464		
33613,	2754706,	1829.5326,	33651,	2657690,	1827.1794,	33689,	2574678,	1824.8262,
4.572071			4.566190			4.560310		
33614,	2748262,	1829.4707,	33652,	2652248,	1827.1174,	33690,	2569500,	1824.7642,
4.571916			4.566036			4.560155		
33615,	2745820,	1829.4087,	33653,	2651304,	1827.0555,	33691,	2568400,	1824.7023,
4.571762			4.565881			4.560000		
33616,	2746826,	1829.3468,	33654,	2653508,	1826.9936,	33692,	2569662,	1824.6404,
4.571607			4.565726			4.559845		
33617,	2746748,	1829.2849,	33655,	2654034,	1826.9317,	33693,	2568866,	1824.5784,
4.571452			4.565571			4.559691		
33618,	2742572,	1829.2230,	33656,	2650242,	1826.8697,	33694,	2564232,	1824.5165,
4.571297			4.565417			4.559536		
33619,	2736420,	1829.1610,	33657,	2644718,	1826.8078,	33695,	2558796,	1824.4546,
4.571143			4.565262			4.559381		
33620,	2732938,	1829.0991,	33658,	2642134,	1826.7459,	33696,	2556754,	1824.3927,
4.570988			4.565107			4.559226		
33621,	2733622,	1829.0372,	33659,	2643650,	1826.6840,	33697,	2558344,	1824.3307,
4.570833			4.564952			4.559072		
33622,	2734936,	1828.9753,	33660,	2645564,	1826.6220,	33698,	2559424,	1824.2688,
4.570678			4.564798			4.558917		
33623,	2732516,	1828.9133,	33661,	2643740,	1826.5601,	33699,	2556296,	1824.2069,
4.570524			4.564643			4.558762		
33624,	2726398,	1828.8514,	33662,	2638500,	1826.4982,	33700,	2550054,	1824.1450,
4.570369			4.564488			4.558607		
33625,	2721002,	1828.7895,	33663,	2634084,	1826.4363,	33701,	2545336,	1824.0830,
4.570214			4.564333			4.558453		
33626,	2719840,	1828.7275,	33664,	2633464,	1826.3743,	33702,	2544912,	1824.0211,
4.570059			4.564179			4.558298		
33627,	2721360,	1828.6656,	33665,	2634724,	1826.3124,	33703,	2546594,	1823.9592,
4.569905			4.564024			4.558143		
33628,	2720894,	1828.6037,	33666,	2633440,	1826.2505,	33704,	2546010,	1823.8972,
4.569750			4.563869			4.557988		
33629,	2716390,	1828.5418,	33667,	2628160,	1826.1885,	33705,	2541846,	1823.8353,
4.569595			4.563714			4.557834		
33630,	2710968,	1828.4798,	33668,	2622324,	1826.1266,	33706,	2537252,	1823.7734,
4.569440			4.563560			4.557679		
33631,	2709176,	1828.4179,	33669,	2620324,	1826.0647,	33707,	2535826,	1823.7115,
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33632,	2711426,	1828.3560,	33670,	2622318,	1826.0028,	33708,	2537062,	1823.6495,
4.569131			4.563250			4.557369		
33633,	2713266,	1828.2941,	33671,	2624024,	1825.9408,	33709,	2536858,	1823.5876,
4.568976			4.563095			4.557215		
33634,	2710502,	1828.2321,	33672,	2621730,	1825.8789,	33710,	2532402,	1823.5257,
4.568821			4.562941			4.557060		
33635,	2704046,	1828.1702,	33673,	2616534,	1825.8170,	33711,	2525606,	1823.4638,
4.568667			4.562786			4.556905		
33636,	2698804,	1828.1083,	33674,	2612808,	1825.7551,	33712,	2520850,	1823.4018,
4.568512			4.562631			4.556750		
33637,	2697896,	1828.0463,	33675,	2612838,	1825.6931,	33713,	2519832,	1823.3399,
4.568357			4.562476			4.556595		
33638,	2699056,	1827.9844,	33676,	2614078,	1825.6312,	33714,	2519652,	1823.2780,
4.568202			4.562322			4.556441		
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4.568048			4.562167			4.556286		

33716,	2510210,	1823.1541,	33754,	2424386,	1820.8009,	33792,	2332266,	1818.4477,
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33717,	2504816,	1823.0922,	33755,	2419662,	1820.7390,	33793,	2328056,	1818.3858,
4.555976			4.550096			4.544215		
33718,	2503440,	1823.0303,	33756,	2418802,	1820.6770,	33794,	2327852,	1818.3238,
4.555822			4.549941			4.544060		
33719,	2504614,	1822.9683,	33757,	2419924,	1820.6151,	33795,	2329260,	1818.2619,
4.555667			4.549786			4.543905		
33720,	2503970,	1822.9064,	33758,	2418730,	1820.5532,	33796,	2328014,	1818.2000,
4.555512			4.549631			4.543751		
33721,	2499422,	1822.8445,	33759,	2413606,	1820.4913,	33797,	2322942,	1818.1380,
4.555357			4.549477			4.543596		
33722,	2493724,	1822.7826,	33760,	2407512,	1820.4293,	33798,	2317310,	1818.0761,
4.555203			4.549322			4.543441		
33723,	2491210,	1822.7206,	33761,	2404438,	1820.3674,	33799,	2314944,	1818.0142,
4.555048			4.549167			4.543286		
33724,	2492622,	1822.6587,	33762,	2404734,	1820.3055,	33800,	2315742,	1817.9523,
4.554893			4.549012			4.543132		
33725,	2494190,	1822.5968,	33763,	2404774,	1820.2436,	33801,	2315864,	1817.8903,
4.554738			4.548858			4.542977		
33726,	2492018,	1822.5349,	33764,	2401396,	1820.1816,	33802,	2312364,	1817.8284,
4.554584			4.548703			4.542822		
33727,	2486636,	1822.4729,	33765,	2395706,	1820.1197,	33803,	2306644,	1817.7665,
4.554429			4.548548			4.542667		
33728,	2482212,	1822.4110,	33766,	2391684,	1820.0578,	33804,	2302736,	1817.7046,
4.554274			4.548393			4.542513		
33729,	2481536,	1822.3491,	33767,	2391314,	1819.9959,	33805,	2302476,	1817.6426,
4.554119			4.548239			4.542358		
33730,	2482680,	1822.2871,	33768,	2392174,	1819.9339,	33806,	2303368,	1817.5807,
4.553965			4.548084			4.542203		
33731,	2481414,	1822.2252,	33769,	2390314,	1819.8720,	33807,	2301672,	1817.5188,
4.553810			4.547929			4.542048		
33732,	2476332,	1822.1633,	33770,	2385058,	1819.8101,	33808,	2296908,	1817.4568,
4.553655			4.547774			4.541893		
33733,	2470606,	1822.1014,	33771,	2379864,	1819.7481,	33809,	2292394,	1817.3949,
4.553500			4.547620			4.541739		
33734,	2468208,	1822.0394,	33772,	2378218,	1819.6862,	33810,	2291198,	1817.3330,
4.553346			4.547465			4.541584		
33735,	2469190,	1821.9775,	33773,	2379456,	1819.6243,	33811,	2292432,	1817.2711,
4.553191			4.547310			4.541429		
33736,	2469646,	1821.9156,	33774,	2379542,	1819.5624,	33812,	2292290,	1817.2091,
4.553036			4.547155			4.541274		
33737,	2466362,	1821.8537,	33775,	2375838,	1819.5004,	33813,	2288548,	1817.1472,
4.552881			4.547000			4.541120		
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4.552727			4.546846			4.540965		
33739,	2456396,	1821.7298,	33777,	2366674,	1819.3766,	33815,	2279556,	1817.0234,
4.552572			4.546691			4.540810		
33740,	2455794,	1821.6679,	33778,	2366654,	1819.3147,	33816,	2278786,	1816.9614,
4.552417			4.546536			4.540655		
33741,	2456326,	1821.6060,	33779,	2367252,	1819.2527,	33817,	2278018,	1816.8995,
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33742,	2454172,	1821.5440,	33780,	2364872,	1819.1908,	33818,	2274376,	1816.8376,
4.552108			4.546227			4.540346		
33743,	2448854,	1821.4821,	33781,	2359610,	1819.1289,	33819,	2268614,	1816.7757,
4.551953			4.546072			4.540191		
33744,	2443872,	1821.4202,	33782,	2355182,	1819.0669,	33820,	2264404,	1816.7137,
4.551798			4.545917			4.540036		
33745,	2442488,	1821.3582,	33783,	2354444,	1819.0050,	33821,	2263992,	1816.6518,
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33746,	2443808,	1821.2963,	33784,	2355910,	1818.9431,	33822,	2265440,	1816.5899,
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33748,	2440254,	1821.1725,	33786,	2351190,	1818.8192,	33824,	2260868,	1816.4660,
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4.550715			4.544834			4.538953		
33752,	2433324,	1820.9248,	33790,	2342048,	1818.5715,	33828,	2255856,	1816.2183,
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33753,	2430286,	1820.8628,	33791,	2338290,	1818.5096,	33829,	2252640,	1816.1564,
4.550405			4.544524			4.538644		

33830,	2247240,	1816.0945,	33868,	2162018,	1813.7412,	33906,	2079426,	1811.3880,
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33831,	2243490,	1816.0325,	33869,	2159362,	1813.6793,	33907,	2076200,	1811.3261,
4.538334			4.532453			4.526572		
33832,	2243196,	1815.9706,	33870,	2159982,	1813.6174,	33908,	2076266,	1811.2642,
4.538179			4.532299			4.526418		
33833,	2244050,	1815.9087,	33871,	2161094,	1813.5555,	33909,	2076472,	1811.2022,
4.538025			4.532144			4.526263		
33834,	2242506,	1815.8467,	33872,	2159022,	1813.4935,	33910,	2073514,	1811.1403,
4.537870			4.531989			4.526108		
33835,	2238058,	1815.7848,	33873,	2153524,	1813.4316,	33911,	2067794,	1811.0784,
4.537715			4.531834			4.525953		
33836,	2233798,	1815.7229,	33874,	2148038,	1813.3697,	33912,	2062896,	1811.0165,
4.537560			4.531679			4.525799		
33837,	2232528,	1815.6610,	33875,	2145646,	1813.3077,	33913,	2061310,	1810.9545,
4.537406			4.531525			4.525644		
33838,	2233254,	1815.5990,	33876,	2145536,	1813.2458,	33914,	2061492,	1810.8926,
4.537251			4.531370			4.525489		
33839,	2232250,	1815.5371,	33877,	2144216,	1813.1839,	33915,	2059848,	1810.8307,
4.537096			4.531215			4.525334		
33840,	2227564,	1815.4752,	33878,	2139856,	1813.1220,	33916,	2055114,	1810.7687,
4.536941			4.531060			4.525180		
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4.536786			4.530906			4.525025		
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4.536632			4.530751			4.524870		
33843,	2218022,	1815.2894,	33881,	2131566,	1812.9362,	33919,	2049036,	1810.5830,
4.536477			4.530596			4.524715		
33844,	2218430,	1815.2275,	33882,	2131504,	1812.8743,	33920,	2049950,	1810.5210,
4.536322			4.530441			4.524561		
33845,	2215702,	1815.1656,	33883,	2128488,	1812.8123,	33921,	2047710,	1810.4591,
4.536167			4.530287			4.524406		
33846,	2210108,	1815.1036,	33884,	2123334,	1812.7504,	33922,	2043220,	1810.3972,
4.536013			4.530132			4.524251		
33847,	2205360,	1815.0417,	33885,	2119736,	1812.6885,	33923,	2039990,	1810.3353,
4.535858			4.529977			4.524096		
33848,	2204208,	1814.9798,	33886,	2119904,	1812.6266,	33924,	2039868,	1810.2733,
4.535703			4.529822			4.523942		
33849,	2205204,	1814.9178,	33887,	2121914,	1812.5646,	33925,	2040806,	1810.2114,
4.535548			4.529668			4.523787		
33850,	2204492,	1814.8559,	33888,	2121850,	1812.5027,	33926,	2039388,	1810.1495,
4.535394			4.529513			4.523632		
33851,	2200408,	1814.7940,	33889,	2118290,	1812.4408,	33927,	2034930,	1810.0875,
4.535239			4.529358			4.523477		
33852,	2195348,	1814.7321,	33890,	2113774,	1812.3788,	33928,	2030290,	1810.0256,
4.535084			4.529203			4.523323		
33853,	2192768,	1814.6701,	33891,	2111602,	1812.3169,	33929,	2028352,	1809.9637,
4.534929			4.529049			4.523168		
33854,	2192946,	1814.6082,	33892,	2111922,	1812.2550,	33930,	2028550,	1809.9018,
4.534775			4.528894			4.523013		
33855,	2192718,	1814.5463,	33893,	2111698,	1812.1931,	33931,	2027592,	1809.8398,
4.534620			4.528739			4.522858		
33856,	2189438,	1814.4844,	33894,	2108550,	1812.1311,	33932,	2023512,	1809.7779,
4.534465			4.528584			4.522704		
33857,	2184338,	1814.4224,	33895,	2103712,	1812.0692,	33933,	2018206,	1809.7160,
4.534310			4.528430			4.522549		
33858,	2181146,	1814.3605,	33896,	2100508,	1812.0073,	33934,	2015228,	1809.6541,
4.534156			4.528275			4.522394		
33859,	2181530,	1814.2986,	33897,	2100308,	1811.9454,	33935,	2015576,	1809.5921,
4.534001			4.528120			4.522239		
33860,	2182890,	1814.2366,	33898,	2100832,	1811.8834,	33936,	2016460,	1809.5302,
4.533846			4.527965			4.522085		
33861,	2181252,	1814.1747,	33899,	2098954,	1811.8215,	33937,	2014614,	1809.4683,
4.533691			4.527811			4.521930		
33862,	2175904,	1814.1128,	33900,	2094560,	1811.7596,	33938,	2010178,	1809.4064,
4.533537			4.527656			4.521775		
33863,	2170304,	1814.0509,	33901,	2090712,	1811.6976,	33939,	2006534,	1809.3444,
4.533382			4.527501			4.521620		
33864,	2168130,	1813.9889,	33902,	2089876,	1811.6357,	33940,	2006248,	1809.2825,
4.533227			4.527346			4.521465		
33865,	2169098,	1813.9270,	33903,	2090782,	1811.5738,	33941,	2007956,	1809.2206,
4.533072			4.527192			4.521311		
33866,	2169492,	1813.8651,	33904,	2089786,	1811.5119,	33942,	2007898,	1809.1586,
4.532918			4.527037			4.521156		
33867,	2166634,	1813.8032,	33905,	2085204,	1811.4499,	33943,	2004300,	1809.0967,
4.532763			4.526882			4.521001		

33944,	1999356,	1809.0348,	33982,	1920040,	1806.6816,	34020,	1837832,	1804.3283,
4.520846			4.514966			4.509085		
33945,	1996534,	1808.9729,	33983,	1918172,	1806.6196,	34021,	1835598,	1804.2664,
4.520692			4.514811			4.508930		
33946,	1996466,	1808.9109,	33984,	1919028,	1806.5577,	34022,	1835786,	1804.2045,
4.520537			4.514656			4.508775		
33947,	1996312,	1808.8490,	33985,	1919266,	1806.4958,	34023,	1835484,	1804.1426,
4.520382			4.514501			4.508621		
33948,	1993322,	1808.7871,	33986,	1916366,	1806.4339,	34024,	1832744,	1804.0806,
4.520227			4.514347			4.508466		
33949,	1988176,	1808.7252,	33987,	1911602,	1806.3719,	34025,	1828988,	1804.0187,
4.520073			4.514192			4.508311		
33950,	1984190,	1808.6632,	33988,	1908488,	1806.3100,	34026,	1827268,	1803.9568,
4.519918			4.514037			4.508156		
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4.519763			4.513882			4.508002		
33952,	1983528,	1808.5394,	33990,	1909548,	1806.1862,	34028,	1829982,	1803.8329,
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33953,	1981668,	1808.4774,	33991,	1908018,	1806.1242,	34029,	1828954,	1803.7710,
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33954,	1976906,	1808.4155,	33992,	1903480,	1806.0623,	34030,	1825472,	1803.7091,
4.519299			4.513418			4.507537		
33955,	1972046,	1808.3536,	33993,	1898892,	1806.0004,	34031,	1822592,	1803.6471,
4.519144			4.513263			4.507383		
33956,	1970190,	1808.2917,	33994,	1897106,	1805.9384,	34032,	1822566,	1803.5852,
4.518989			4.513109			4.507228		
33957,	1971084,	1808.2297,	33995,	1897490,	1805.8765,	34033,	1824040,	1803.5233,
4.518835			4.512954			4.507073		
33958,	1971452,	1808.1678,	33996,	1896744,	1805.8146,	34034,	1823500,	1803.4614,
4.518680			4.512799			4.506918		
33959,	1968928,	1808.1059,	33997,	1892932,	1805.7527,	34035,	1819376,	1803.3994,
4.518525			4.512644			4.506763		
33960,	1964840,	1808.0440,	33998,	1887834,	1805.6907,	34036,	1813938,	1803.3375,
4.518370			4.512490			4.506609		
33961,	1962514,	1807.9820,	33999,	1884818,	1805.6288,	34037,	1810704,	1803.2756,
4.518216			4.512335			4.506454		
33962,	1963168,	1807.9201,	34000,	1884792,	1805.5669,	34038,	1810456,	1803.2137,
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33963,	1964310,	1807.8582,	34001,	1885152,	1805.5050,	34039,	1810548,	1803.1517,
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33965,	1957830,	1807.7343,	34003,	1878234,	1805.3811,	34041,	1803850,	1803.0279,
4.517597			4.511716			4.505835		
33966,	1952962,	1807.6724,	34004,	1874258,	1805.3192,	34042,	1800458,	1802.9660,
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33967,	1950774,	1807.6105,	34005,	1873180,	1805.2572,	34043,	1799828,	1802.9040,
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33968,	1950570,	1807.5485,	34006,	1873570,	1805.1953,	34044,	1800328,	1802.8421,
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33969,	1949278,	1807.4866,	34007,	1872036,	1805.1334,	34045,	1798870,	1802.7802,
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33970,	1945334,	1807.4247,	34008,	1867290,	1805.0715,	34046,	1794756,	1802.7182,
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33972,	1938470,	1807.3008,	34010,	1858738,	1804.9476,	34048,	1789638,	1802.5944,
4.516513			4.510632			4.504752		
33973,	1939118,	1807.2389,	34011,	1858628,	1804.8857,	34049,	1791396,	1802.5325,
4.516358			4.510478			4.504597		
33974,	1939822,	1807.1770,	34012,	1858520,	1804.8238,	34050,	1792666,	1802.4705,
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33975,	1937812,	1807.1151,	34013,	1855784,	1804.7618,	34051,	1790870,	1802.4086,
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4.515739			4.509859			4.503978		
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33979,	1930930,	1806.8673,	34017,	1848652,	1804.5141,	34055,	1784784,	1802.1609,
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33980,	1929406,	1806.8054,	34018,	1847188,	1804.4522,	34056,	1783234,	1802.0990,
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33981,	1924842,	1806.7435,	34019,	1842678,	1804.3903,	34057,	1779208,	1802.0370,
4.515120			4.509240			4.503359		

34058,	1775424,	1801.9751,	34096,	1702996,	1799.6219,	34134,	1630804,	1797.2687,
4.503204			4.497323			4.491442		
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4.503049			4.497169			4.491288		
34060,	1775198,	1801.8513,	34098,	1701620,	1799.4980,	34136,	1629730,	1797.1448,
4.502895			4.497014			4.491133		
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4.502276			4.496395			4.490514		
34065,	1764468,	1801.5416,	34103,	1689746,	1799.1884,	34141,	1621168,	1796.8352,
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34067,	1761804,	1801.4178,	34105,	1687898,	1799.0646,	34143,	1618980,	1796.7113,
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34069,	1754222,	1801.2939,	34107,	1681576,	1798.9407,	34145,	1611768,	1796.5875,
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34070,	1753784,	1801.2320,	34108,	1682060,	1798.8788,	34146,	1611176,	1796.5256,
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34071,	1754480,	1801.1701,	34109,	1683580,	1798.8169,	34147,	1611180,	1796.4636,
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34072,	1753158,	1801.1081,	34110,	1682966,	1798.7549,	34148,	1609158,	1796.4017,
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34073,	1748970,	1801.0462,	34111,	1679532,	1798.6930,	34149,	1604922,	1796.3398,
4.500883			4.495002			4.489121		
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4.500728			4.494847			4.488966		
34075,	1742980,	1800.9224,	34113,	1674612,	1798.5691,	34151,	1599646,	1796.2159,
4.500573			4.494692			4.488812		
34076,	1744262,	1800.8604,	34114,	1675406,	1798.5072,	34152,	1600018,	1796.1540,
4.500418			4.494538			4.488657		
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4.500264			4.494383			4.488502		
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4.500109			4.494228			4.488347		
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34080,	1736274,	1800.6127,	34118,	1663370,	1798.2595,	34156,	1590478,	1795.9063,
4.499799			4.493919			4.488038		
34081,	1735968,	1800.5508,	34119,	1662994,	1798.1976,	34157,	1591388,	1795.8444,
4.499645			4.493764			4.487883		
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34084,	1730698,	1800.3650,	34122,	1656228,	1798.0118,	34160,	1586380,	1795.6586,
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34172,	1564324,	1794.9155,	34210,	1493454,	1792.5622,	34248,	1432564,	1790.2090,
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34173,	1564266,	1794.8535,	34211,	1493622,	1792.5003,	34249,	1432830,	1790.1471,
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34175,	1563602,	1794.7297,	34213,	1492488,	1792.3765,	34251,	1431666,	1790.0232,
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34176,	1559568,	1794.6677,	34214,	1488594,	1792.3145,	34252,	1427960,	1789.9613,
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34177,	1555452,	1794.6058,	34215,	1485290,	1792.2526,	34253,	1424904,	1789.8994,
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34178,	1553824,	1794.5439,	34216,	1484816,	1792.1907,	34254,	1424370,	1789.8374,
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34179,	1554196,	1794.4820,	34217,	1486164,	1792.1287,	34255,	1425124,	1789.7755,
4.484478			4.478598			4.472717		
34180,	1553606,	1794.4200,	34218,	1486226,	1792.0668,	34256,	1424226,	1789.7136,
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34181,	1550168,	1794.3581,	34219,	1483370,	1792.0049,	34257,	1420520,	1789.6517,
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34182,	1545340,	1794.2962,	34220,	1479324,	1791.9430,	34258,	1416040,	1789.5897,
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34186,	1539788,	1794.0485,	34224,	1474776,	1791.6953,	34262,	1410708,	1789.3420,
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34189,	1530522,	1793.8627,	34227,	1464872,	1791.5095,	34265,	1402404,	1789.1563,
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34190,	1531300,	1793.8008,	34228,	1465618,	1791.4475,	34266,	1403010,	1789.0943,
4.482776			4.476895			4.471014		
34191,	1531002,	1793.7388,	34229,	1465432,	1791.3856,	34267,	1401912,	1789.0324,
4.482621			4.476741			4.470860		
34192,	1528244,	1793.6769,	34230,	1463158,	1791.3237,	34268,	1398354,	1788.9705,
4.482467			4.476586			4.470705		
34193,	1524824,	1793.6150,	34231,	1460562,	1791.2618,	34269,	1394570,	1788.9085,
4.482312			4.476431			4.470550		
34194,	1523498,	1793.5531,	34232,	1459938,	1791.1998,	34270,	1393124,	1788.8466,
4.482157			4.476276			4.470395		
34195,	1524526,	1793.4911,	34233,	1461048,	1791.1379,	34271,	1393860,	1788.7847,
4.482002			4.476121			4.470241		
34196,	1525216,	1793.4292,	34234,	1461178,	1791.0760,	34272,	1394154,	1788.7228,
4.481848			4.475967			4.470086		
34197,	1522986,	1793.3673,	34235,	1458318,	1791.0141,	34273,	1392094,	1788.6608,
4.481693			4.475812			4.469931		
34198,	1518352,	1793.3054,	34236,	1453666,	1790.9521,	34274,	1388714,	1788.5989,
4.481538			4.475657			4.469776		
34199,	1514324,	1793.2434,	34237,	1450392,	1790.8902,	34275,	1386644,	1788.5370,
4.481383			4.475502			4.469622		
34200,	1512910,	1793.1815,	34238,	1450060,	1790.8283,	34276,	1386816,	1788.4751,
4.481228			4.475348			4.469467		
34201,	1512942,	1793.1196,	34239,	1450926,	1790.7664,	34277,	1387278,	1788.4131,
4.481074			4.475193			4.469312		
34202,	1511698,	1793.0576,	34240,	1450036,	1790.7044,	34278,	1385552,	1788.3512,
4.480919			4.475038			4.469157		
34203,	1508276,	1792.9957,	34241,	1446712,	1790.6425,	34279,	1381708,	1788.2893,
4.480764			4.474883			4.469003		
34204,	1504606,	1792.9338,	34242,	1443190,	1790.5806,	34280,	1378392,	1788.2273,
4.480609			4.474729			4.468848		
34205,	1502992,	1792.8719,	34243,	1441800,	1790.5186,	34281,	1377706,	1788.1654,
4.480455			4.474574			4.468693		
34206,	1503198,	1792.8099,	34244,	1442146,	1790.4567,	34282,	1378692,	1788.1035,
4.480300			4.474419			4.468538		
34207,	1502706,	1792.7480,	34245,	1441626,	1790.3948,	34283,	1378434,	1788.0416,
4.480145			4.474264			4.468384		
34208,	1499822,	1792.6861,	34246,	1438688,	1790.3329,	34284,	1375514,	1787.9796,
4.479990			4.474110			4.468229		
34209,	1495820,	1792.6242,	34247,	1434758,	1790.2709,	34285,	1371712,	1787.9177,
4.479836			4.473955			4.468074		



34286,	1369876,	1787.8558,	34324,	1306874,	1785.5026,	34362,	1252270,	1783.1493,
4.467919			4.462039			4.456158		
34287,	1370468,	1787.7939,	34325,	1307582,	1785.4406,	34363,	1252434,	1783.0874,
4.467765			4.461884			4.456003		
34288,	1370940,	1787.7319,	34326,	1308010,	1785.3787,	34364,	1252150,	1783.0255,
4.467610			4.461729			4.455848		
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4.467455			4.461574			4.455693		
34290,	1364028,	1787.6081,	34328,	1302486,	1785.2549,	34366,	1246194,	1782.9016,
4.467300			4.461419			4.455539		
34291,	1360010,	1787.5462,	34329,	1299914,	1785.1929,	34367,	1243942,	1782.8397,
4.467146			4.461265			4.455384		
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34295,	1356428,	1787.2984,	34333,	1296176,	1784.9452,	34371,	1238312,	1782.5920,
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34296,	1353196,	1787.2365,	34334,	1292806,	1784.8833,	34372,	1234630,	1782.5301,
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34298,	1351936,	1787.1127,	34336,	1292674,	1784.7594,	34374,	1232998,	1782.4062,
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34299,	1351648,	1787.0507,	34337,	1292960,	1784.6975,	34375,	1231876,	1782.3443,
4.465907			4.460027			4.454146		
34300,	1348972,	1786.9888,	34338,	1290658,	1784.6356,	34376,	1228620,	1782.2824,
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4.465443			4.459562			4.453682		
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4.465288			4.459408			4.453527		
34304,	1341638,	1786.7411,	34342,	1283096,	1784.3879,	34380,	1224498,	1782.0347,
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34306,	1335646,	1786.6173,	34344,	1278494,	1784.2640,	34382,	1218250,	1781.9108,
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34307,	1331718,	1786.5553,	34345,	1275688,	1784.2021,	34383,	1214420,	1781.8489,
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34308,	1330424,	1786.4934,	34346,	1274868,	1784.1402,	34384,	1213000,	1781.7870,
4.464515			4.458634			4.452753		
34309,	1331264,	1786.4315,	34347,	1275202,	1784.0782,	34385,	1213186,	1781.7250,
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34403,	1193554,	1780.6103,	34441,	1137422,	1778.2571,	34479,	1080560,	1775.9039,
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34404,	1189366,	1780.5484,	34442,	1133840,	1778.1952,	34480,	1077500,	1775.8420,
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34415,	1171794,	1779.8672,	34453,	1117546,	1777.5140,	34491,	1066132,	1775.1608,
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34426,	1157176,	1779.1860,	34464,	1100678,	1776.8328,	34502,	1051572,	1774.4796,
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4.429694			4.423813			4.417933		
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4.429539			4.423659			4.417778		
34535,	1006450,	1772.4360,	34573,	959860,	1770.0828,	34611,	913068,	1767.7295,
4.429385			4.423504			4.417623		
34536,	1006720,	1772.3741,	34574,	960338,	1770.0208,	34612,	913066,	1767.6676,
4.429230			4.423349			4.417468		
34537,	1007202,	1772.3121,	34575,	960412,	1769.9589,	34613,	912850,	1767.6057,
4.429075			4.423194			4.417314		
34538,	1005884,	1772.2502,	34576,	958370,	1769.8970,	34614,	910848,	1767.5438,
4.428920			4.423040			4.417159		
34539,	1003074,	1772.1883,	34577,	955022,	1769.8351,	34615,	907900,	1767.4818,
4.428766			4.422885			4.417004		
34540,	1000970,	1772.1264,	34578,	952722,	1769.7731,	34616,	906236,	1767.4199,
4.428611			4.422730			4.416849		
34541,	1001006,	1772.0644,	34579,	952534,	1769.7112,	34617,	906716,	1767.3580,
4.428456			4.422575			4.416695		
34542,	1002082,	1772.0025,	34580,	952988,	1769.6493,	34618,	907700,	1767.2961,
4.428301			4.422421			4.416540		
34543,	1001812,	1771.9406,	34581,	951890,	1769.5874,	34619,	906912,	1767.2341,
4.428147			4.422266			4.416385		
34544,	999228,	1771.8786,	34582,	949000,	1769.5254,	34620,	904096,	1767.1722,
4.427992			4.422111			4.416230		
34545,	995814,	1771.8167,	34583,	946392,	1769.4635,	34621,	901310,	1767.1103,
4.427837			4.421956			4.416075		
34546,	993658,	1771.7548,	34584,	945990,	1769.4016,	34622,	900480,	1767.0483,
4.427682			4.421802			4.415921		
34547,	993096,	1771.6929,	34585,	947234,	1769.3396,	34623,	901172,	1766.9864,
4.427528			4.421647			4.415766		
34548,	992554,	1771.6309,	34586,	947670,	1769.2777,	34624,	901174,	1766.9245,
4.427373			4.421492			4.415611		
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4.426909			4.421028			4.415147		

34628,	894440,	1766.6768,	34666,	851310,	1764.3236,	34704,	808990,	1761.9703,
4.414992			4.409111			4.403231		
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4.414837			4.408957			4.403076		
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4.414683			4.408802			4.402921		
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4.414528			4.408647			4.402766		
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4.414373			4.408492			4.402612		
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4.414218			4.408338			4.402457		
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4.414064			4.408183			4.402302		
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4.413445			4.407564			4.401683		
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4.413290			4.407409			4.401528		
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4.413135			4.407254			4.401374		
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34642,	878458,	1765.8098,	34680,	832990,	1763.4566,	34718,	794166,	1761.1034,
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4.412516			4.406635			4.400754		
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34646,	876120,	1765.5621,	34684,	831836,	1763.2089,	34722,	791200,	1760.8557,
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34647,	873840,	1765.5002,	34685,	828542,	1763.1470,	34723,	787122,	1760.7937,
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4.411897			4.406016			4.400135		
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4.411588			4.405707			4.399826		
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4.376148			4.370267			4.364386		
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4.375993			4.370112			4.364232		
34881,	654578,	1751.0093,	34919,	626434,	1748.6561,	34957,	602194,	1746.3028,
4.375839			4.369958			4.364077		
34882,	655030,	1750.9474,	34920,	626908,	1748.5941,	34958,	602466,	1746.2409,
4.375684			4.369803			4.363922		
34883,	656336,	1750.8854,	34921,	628020,	1748.5322,	34959,	603386,	1746.1790,
4.375529			4.369648			4.363767		
34884,	656306,	1750.8235,	34922,	627822,	1748.4703,	34960,	603072,	1746.1171,
4.375374			4.369493			4.363613		
34885,	654338,	1750.7616,	34923,	625882,	1748.4083,	34961,	601118,	1746.0551,
4.375219			4.369339			4.363458		
34886,	652072,	1750.6996,	34924,	623774,	1748.3464,	34962,	599020,	1745.9932,
4.375065			4.369184			4.363303		
34887,	651402,	1750.6377,	34925,	623178,	1748.2845,	34963,	598310,	1745.9313,
4.374910			4.369029			4.363148		
34888,	652222,	1750.5758,	34926,	623864,	1748.2226,	34964,	598736,	1745.8693,
4.374755			4.368874			4.362994		
34889,	652604,	1750.5139,	34927,	623978,	1748.1606,	34965,	598646,	1745.8074,
4.374600			4.368720			4.362839		
34890,	651144,	1750.4519,	34928,	622286,	1748.0987,	34966,	597046,	1745.7455,
4.374446			4.368565			4.362684		
34891,	648674,	1750.3900,	34929,	619682,	1748.0368,	34967,	594838,	1745.6836,
4.374291			4.368410			4.362529		
34892,	647278,	1750.3281,	34930,	618172,	1747.9749,	34968,	593712,	1745.6216,
4.374136			4.368255			4.362375		
34893,	647810,	1750.2662,	34931,	618524,	1747.9129,	34969,	594064,	1745.5597,
4.373981			4.368101			4.362220		

34970,	594548,	1745.4978,	35008,	568976,	1743.1446,	35046,	546608,	1740.7913,
4.362065			4.356184			4.350303		
34971,	593782,	1745.4359,	35009,	567370,	1743.0826,	35047,	546160,	1740.7294,
4.361910			4.356030			4.350149		
34972,	592128,	1745.3739,	35010,	564890,	1743.0207,	35048,	544596,	1740.6675,
4.361756			4.355875			4.349994		
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4.361601			4.355720			4.349839		
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4.361446			4.355565			4.349684		
34975,	594314,	1745.1882,	35013,	566056,	1742.8349,	35051,	545036,	1740.4817,
4.361291			4.355410			4.349530		
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4.361137			4.355256			4.349375		
34977,	593152,	1745.0643,	35015,	565358,	1742.7111,	35053,	543870,	1740.3579,
4.360982			4.355101			4.349220		
34978,	590812,	1745.0024,	35016,	563566,	1742.6491,	35054,	542426,	1740.2959,
4.360827			4.354946			4.349065		
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4.360672			4.354791			4.348911		
34980,	590472,	1744.8785,	35018,	563654,	1742.5253,	35056,	542582,	1740.1721,
4.360517			4.354637			4.348756		
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4.360363			4.354482			4.348601		
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4.360208			4.354327			4.348446		
34983,	589210,	1744.6927,	35021,	560328,	1742.3395,	35059,	539980,	1739.9863,
4.360053			4.354172			4.348292		
34984,	588196,	1744.6308,	35022,	559146,	1742.2776,	35060,	539532,	1739.9244,
4.359898			4.354018			4.348137		
34985,	588508,	1744.5689,	35023,	559566,	1742.2157,	35061,	540320,	1739.8624,
4.359744			4.353863			4.347982		
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4.359589			4.353708			4.347827		
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4.359434			4.353553			4.347673		
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4.359279			4.353399			4.347518		
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4.358970			4.353089			4.347208		
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4.358815			4.352934			4.347054		
34992,	582652,	1744.1354,	35030,	553738,	1741.7822,	35068,	538574,	1739.4289,
4.358660			4.352780			4.346899		
34993,	580168,	1744.0735,	35031,	552496,	1741.7202,	35069,	536602,	1739.3670,
4.358506			4.352625			4.346744		
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4.358351			4.352470			4.346589		
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4.358196			4.352315			4.346435		
34996,	576320,	1743.8877,	35034,	549870,	1741.5345,	35072,	533254,	1739.1812,
4.358041			4.352161			4.346280		
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4.357732			4.351851			4.345970		
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4.357577			4.351696			4.345816		
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4.357422			4.351542			4.345661		
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4.356494			4.350613			4.344732		
35007,	569102,	1743.2065,	35045,	545574,	1740.8533,	35083,	525078,	1738.5000,
4.356339			4.350458			4.344577		

35084,	525038,	1738.4381,	35122,	505908,	1736.0849,	35160,	483990,	1733.7317,
4.344423			4.338542			4.332661		
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4.344268			4.338387			4.332506		
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4.344113			4.338232			4.332352		
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4.343958			4.338078			4.332197		
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4.343494			4.337613			4.331733		
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4.343339			4.337459			4.331578		
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35093,	519608,	1737.8808,	35131,	502212,	1735.5276,	35169,	479278,	1733.1743,
4.343030			4.337149			4.331268		
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4.342875			4.336994			4.331114		
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4.342720			4.336840			4.330959		
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4.340709			4.334828			4.328947		
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4.340554			4.334673			4.328792		
35110,	511996,	1736.8280,	35148,	491570,	1734.4748,	35186,	474988,	1732.1216,
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35112,	511268,	1736.7042,	35150,	491600,	1734.3509,	35188,	474004,	1731.9977,
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35198,	466206,	1731.3785,	35236,	446876,	1729.0252,	35274,	430040,	1726.6720,
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4.322292			4.316412			4.310531		
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4.322138			4.316257			4.310376		
35229,	449816,	1729.4587,	35267,	432760,	1727.1055,	35305,	415370,	1724.7523,
4.321983			4.316102			4.310221		
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4.321519			4.315638			4.309757		
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35313,	413332,	1724.2569,	35351,	397444,	1721.9036,	35389,	379028,	1719.5504,
4.308983			4.303102			4.297222		
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35996,	215476,	1681.9608,	36034,	208862,	1679.6076,	36072,	198616,	1677.2543,
4.203284			4.197403			4.191522		
35997,	215116,	1681.8989,	36035,	209550,	1679.5456,	36073,	199142,	1677.1924,
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36002,	213808,	1681.5892,	36040,	209474,	1679.2360,	36078,	200918,	1676.8828,
4.202355			4.196474			4.190594		
36003,	214752,	1681.5273,	36041,	209464,	1679.1741,	36079,	201464,	1676.8208,
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36004,	215552,	1681.4654,	36042,	209414,	1679.1121,	36080,	201790,	1676.7589,
4.202046			4.196165			4.190284		
36005,	215072,	1681.4034,	36043,	208540,	1679.0502,	36081,	201194,	1676.6970,
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4.201736			4.195855			4.189975		
36007,	212332,	1681.2796,	36045,	206728,	1678.9264,	36083,	199710,	1676.5731,
4.201581			4.195701			4.189820		
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4.201427			4.195546			4.189665		
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4.197558			4.191677			4.185796		



36110,	192306,	1674.9011,	36148,	190942,	1672.5479,	36186,	185266,	1670.1947,
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36116,	193776,	1674.5296,	36154,	190882,	1672.1763,	36192,	183510,	1669.8231,
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36117,	194284,	1674.4676,	36155,	191858,	1672.1144,	36193,	184272,	1669.7612,
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36119,	194474,	1674.3438,	36157,	191458,	1671.9905,	36195,	184138,	1669.6373,
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36124,	194844,	1674.0341,	36162,	189772,	1671.6809,	36200,	186676,	1669.3277,
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36125,	193282,	1673.9722,	36163,	188626,	1671.6190,	36201,	185214,	1669.2658,
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36135,	192810,	1673.3529,	36173,	187206,	1670.9997,	36211,	182480,	1668.6465,
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4.149428			4.143547			4.137666		
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4.149118			4.143238			4.137357		
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4.148809			4.142928			4.137047		
36349,	160326,	1660.1006,	36387,	154904,	1657.7474,	36425,	152816,	1655.3941,
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36350,	160630,	1660.0387,	36388,	156174,	1657.6854,	36426,	152826,	1655.3322,
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4.148345			4.142464			4.136583		
36352,	160072,	1659.9148,	36390,	155618,	1657.5616,	36428,	150346,	1655.2084,
4.148190			4.142309			4.136428		
36353,	159352,	1659.8529,	36391,	154674,	1657.4997,	36429,	149054,	1655.1464,
4.148035			4.142154			4.136274		
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4.147726			4.141845			4.135964		
36356,	159604,	1659.6671,	36394,	156786,	1657.3139,	36432,	150064,	1654.9607,
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4.146333			4.140452			4.134571		
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4.146178			4.140297			4.134417		
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65425, 60098, -140.4861, -0.351080	65501, 65592, -145.1926, -0.362842		679.1474	678.945
65426, 60440, -140.5480, -0.351235	65502, 65492, -145.2545, -0.362996		679.3046	
65427, 60810, -140.6100, -0.351390	65503, 65086, -145.3164, -0.363151	358.202	697.065	697.0765
65428, 61156, -140.6719, -0.351544	65504, 64644, -145.3783, -0.363306		697.0817	697.1991
65429, 61450, -140.7338, -0.351699	65505, 64422, -145.4403, -0.363461		697.2754	697.065
65430, 61652, -140.7957, -0.351854	65506, 64448, -145.5022, -0.363615		697.4377	
65431, 61700, -140.8577, -0.352009	65507, 64582, -145.5641, -0.363770	358.102	711.845	711.8568
65432, 61622, -140.9196, -0.352163	65508, 64712, -145.6260, -0.363925		711.8624	711.9834
65433, 61530, -140.9815, -0.352318	65509, 64830, -145.6880, -0.364080		712.0639	711.845
65434, 61564, -141.0435, -0.352473	65510, 64916, -145.7499, -0.364235		712.2314	
65435, 61682, -141.1054, -0.352628	65511, 64830, -145.8118, -0.364389	358.002	706.98	706.9921
65436, 61688, -141.1673, -0.352782	65512, 64460, -145.8737, -0.364544		706.9981	707.1226
65437, 61406, -141.2292, -0.352937	65513, 63918, -145.9357, -0.364699		707.2078	706.98
65438, 60910, -141.2912, -0.353092	65514, 63614, -145.9976, -0.364854		707.3806	
65439, 60518, -141.3531, -0.353247	65515, 63960, -146.0595, -0.365008	357.902	691.525	691.5374
65440, 60534, -141.4150, -0.353401	65516, 64984, -146.1215, -0.365163		691.5438	691.6719
65441, 61020, -141.4769, -0.353556	65517, 66254, -146.1834, -0.365318		691.7621	691.525
65442, 61732, -141.5389, -0.353711	65518, 67244, -146.2453, -0.365473		691.9402	
65443, 62338, -141.6008, -0.353866	65519, 67752, -146.3072, -0.365627	357.802	696.165	696.1778
65444, 62652, -141.6627, -0.354021	65520, 68016, -146.3692, -0.365782		696.1845	696.3161
65445, 62706, -141.7246, -0.354175	65521, 68366, -146.4311, -0.365937		696.4121	696.165
65446, 62636, -141.7866, -0.354330	65522, 68836, -146.4930, -0.366092		696.5954	
65447, 62556, -141.8485, -0.354485	65523, 69154, -146.5549, -0.366246	357.702	696.095	696.1081
65448, 62540, -141.9104, -0.354640	65524, 69048, -146.6169, -0.366401		696.1152	696.2504
65449, 62602, -141.9724, -0.354794	65525, 68588, -146.6788, -0.366556		696.3525	696.095
65450, 62674, -142.0343, -0.354949	65526, 68118, -146.7407, -0.366711		696.5412	
65451, 62632, -142.0962, -0.355104	65527, 67914, -146.8027, -0.366865	357.602	691.345	691.3584
65452, 62360, -142.1581, -0.355259	65528, 67940, -146.8646, -0.367020		691.3659	691.5046
65453, 61884, -142.2201, -0.355413	65529, 67954, -146.9265, -0.367175		691.6136	691.345
65454, 61418, -142.2820, -0.355568	65530, 67794, -146.9884, -0.367330		691.8075	
65455, 61220, -142.3439, -0.355723	65531, 67542, -147.0504, -0.367484	357.502	674.815	674.8287
65456, 61374, -142.4058, -0.355878	65532, 67400, -147.1123, -0.367639		674.8366	674.9789
65457, 61706, -142.4678, -0.356032	65533, 67450, -147.1742, -0.367794		675.0954	674.815
65458, 61978, -142.5297, -0.356187	65534, 67594, -147.2361, -0.367949		675.2946	
65459, 62086, -142.5916, -0.356342	65535, 67718, -147.2981, -0.368103	357.402	646.13	646.1441
65460, 62148, -142.6536, -0.356497	65536, 67800, -147.3600, -0.368258		646.1526	646.2981
65461, 62292, -142.7155, -0.356651			646.4228	646.13
65462, 62492, -142.7774, -0.356806			646.6277	
65463, 62556, -142.8393, -0.356961		357.302	672.655	672.6696
65464, 62366, -142.9013, -0.357116			672.6786	672.8274
65465, 62018, -142.9632, -0.357270			672.961	672.655
65466, 61756, -143.0251, -0.357425			673.1715	
65467, 61700, -143.0870, -0.357580		357.202	670.675	670.69
65468, 61772, -143.1490, -0.357735			670.6996	670.8517
65469, 61840, -143.2109, -0.357889			670.995	670.675
65470, 61938, -143.2728, -0.358044			671.2112	

**Representative NAP-XPS Spectrum**  
**Ca 2p**

359.102	699.6	699.6092
	699.6124	699.7074
	699.7553	699.6
	699.8843	

357.102	686.855	686.8704	355.202	700.645	700.6723	353.302	659.84	666.3465
	686.8806	687.0364		700.7079	700.981		666.5171	667.0262
	687.1898	686.855		701.593	700.645		671.8581	666.2911
	687.4123			702.0191			672.8745	
357.002	683.06	683.0758	355.102	674.275	674.3033	353.202	637.23	665.4612
	683.0867	683.2482		674.3421	674.6234		665.6503	666.1747
	683.4107	683.06		675.2892	674.275		671.7948	665.4037
	683.6414			675.733			672.8698	
356.902	702.07	702.0862	355.002	642.43	642.4593	353.102	642.74	664.565
	702.0977	702.265		642.5014	642.7915		664.7748	665.3142
	702.4375	702.07		643.5168	642.43		671.8834	664.5049
	702.6764			643.9789			673.0227	
356.802	674.73	674.7466	354.902	668.11	668.1403	353.002	677.45	663.6583
	674.7587	674.9318		668.1834	668.4852		663.8913	664.4453
	675.1155	674.73		669.2768	668.11		672.1582	663.5951
	675.3626			669.7557			673.3679	
356.702	674.735	674.7522	354.802	666.14	666.1713	352.902	679.445	662.7424
	674.7651	674.9436		666.2179	666.5297		663.0023	663.5701
	675.1397	674.735		667.3954	666.14		672.6702	662.6761
	675.3955			667.8942			673.9568	
356.602	656.8	656.8177	354.702	682.23	682.2623	352.802	666.41	661.8175
	656.8316	657.0154		682.3127	682.6349		662.1086	662.689
	657.2251	656.8		683.5835	682.23		673.4617	661.7481
	657.4898			684.1034			674.8327	
356.502	654.365	654.3832	354.602	680.35	680.3833	352.702	645.745	660.8831
	654.3982	654.5872		680.4379	680.7709		661.2104	661.8018
	654.812	654.365		681.8127	680.35		674.593	660.8105
	655.0856			682.3548			676.0568	
356.402	675.725	675.7438	354.502	675.41	675.4447	352.602	653.19	659.9383
	675.7597	675.9539		675.5036	675.8477		660.3081	660.9078
	676.1955	675.725		676.9948	675.41		676.1335	659.8625
	676.4779			677.5608			677.7001	
356.302	667.73	667.7493	354.402	689.675	689.7111	352.502	687.225	658.9835
	667.7663	667.9657		689.7748	690.1305		659.4033	660.0081
	668.2256	667.73		691.3965	689.675		678.1482	658.9047
	668.517			691.9879			679.829	
356.202	671.125	671.1449	354.302	681.295	681.3325	352.402	683.68	658.0212
	671.1629	671.3675		681.4016	681.7693		658.4996	659.1046
	671.6476	671.125		683.1706	681.295		680.7308	657.9387
	671.9479			683.789			682.5402	
356.102	682.16	682.1804	354.202	674.42	673.8206	352.302	666.42	657.052
	682.1994	682.4093		673.8956	674.2758		657.5992	658.198
	682.7117	682.16		675.8319	673.7817		683.9643	656.9645
	683.0208			676.4789			685.9199	
356.002	681.485	681.5061	354.102	665.63	673.0339	352.202	680.205	656.0739
	681.5262	681.7411		673.1156	673.5087		656.704	657.2878
	682.068	681.485		675.2422	672.9936		687.9291	655.9815
	682.3864			675.9196			690.0504	
355.902	658.61	658.6318	354.002	669.835	672.2366	352.102	687.155	655.0879
	658.6537	658.8745		672.3257	672.7321		655.8192	656.3757
	659.2267	658.61		674.6712	672.1948		692.7419	654.9904
	659.5567			675.3811			695.0533	
355.802	690.16	690.1825	353.902	642.89	671.4288	352.002	724.625	654.0942
	690.2062	690.436		671.5263	671.9464		654.9503	655.4627
	690.8132	690.16		674.124	671.3856		698.4679	653.9918
	691.1579			674.8685			700.9996	
355.702	697.165	697.1883	353.802	639.39	670.6099	351.902	712.7	653.095
	697.2137	697.4526		670.7162	671.1504		654.1072	654.5514
	697.8576	697.165		673.6065	670.5648		705.1899	652.9877
	698.2171			674.3886			707.9806	
355.602	694.19	694.214	353.702	656.775	669.7794	351.802	720.785	652.0899
	694.2412	694.4891		669.8955	670.3441		653.2997	653.6425
	694.9254	694.19		673.1282	669.7322		712.9924	651.9775
	695.2997			673.9507			716.0918	
355.502	667.605	667.6297	353.602	652.73	668.9379	351.702	727.915	651.0793
	667.6587	667.9157		669.0652	669.5287		652.5439	652.7374
	668.3869	667.605		672.6994	668.8887		721.8897	650.962
	668.7759			673.5651			725.3642	
355.402	669.1	669.1254	353.502	637.68	668.0855	351.602	739.985	650.0673
	669.1562	669.4222		668.2255	668.7039		651.8602	651.8375
	669.9325	669.1		672.3338	668.0342		731.9129	649.9415
	670.3363			673.246			735.8532	
355.302	681.335	681.3613	353.402	650.225	667.2215	351.502	740.205	649.0512
	681.3937	681.6591		667.3758	667.8695		651.2798	650.9453
	682.2227	681.335		672.0472	667.1682		743.0417	648.917
	682.6317			673.0095			747.5671	

351.402	738.385	648.0312	349.502	991.44	629.3409	347.602	922.34	622.5338
	650.8421	650.0621		748.5394	643.5581		616.3534	885.5075
	755.1945	647.8884		860.119	628.8012		633.3689	612.8846
	760.4646			995.1539			919.1098	
351.302	774.155	647.0029	349.402	989.48	628.4736	347.502	930.225	624.6955
	650.606	649.1897		747.1022	645.0074		614.8803	915.6225
	768.2837	646.8561		846.1788	627.8811		629.444	612.1347
	774.5142			983.1186			948.2383	
351.202	806.59	645.9775	349.302	950.495	627.626	347.402	976.305	627.8736
	650.6463	648.3326		742.5665	646.9617		613.6049	946.3412
	782.1332	645.8218		831.0139	626.9736		626.0503	611.398
	789.6244			967.2474			979.6759	
351.102	796.135	644.9527	349.202	932.475	626.7977	347.302	1023.505	632.3791
	651.0677	647.4944		735.2066	649.5041		612.4781	977.0372
	796.5312	644.7873		815.0005	626.0768		623.1098	610.6771
	805.6841			948.2786			1012.973	
351.002	794.835	643.9283	349.102	942.93	625.9899	347.202	1027.16	638.5416
	651.9902	646.6778		725.5671	652.7551		611.466	1007.035
	811.224	643.7524		798.4932	625.19		620.5681	609.9745
	822.5631			927.2351			1047.687	
350.902	824.115	642.9044	349.002	952.685	625.2052	347.102	1082.48	646.7264
	653.5682	645.8867		714.2918	656.8561		610.5425	1035.581
	825.8972	642.7172		781.8603	624.3141		618.3533	609.2905
	840.1049			905.2711			1083.332	
350.802	855.705	641.8829	348.902	899.185	624.447	347.002	1129.2	657.2537
	655.9668	645.1262		702.1214	661.9366		609.692	1061.966
	840.2135	641.6832		765.418	623.4496		616.4188	608.6279
	858.1396			883.574			1119.446	
350.702	864.675	640.8655	348.802	867.2	623.7161	346.902	1189.67	670.3856
	659.3703	644.4036		689.7457	668.1785		608.9034	1085.404
	853.7976	640.6524		749.4511	622.5942		614.7252	607.9893
	876.4799			863.3088			1155.45	
350.602	853.82	639.853	348.702	865.545	623.0157	346.802	1216.635	686.2186
	663.938	643.7256		677.7673	675.7461		608.1703	1105.22
	866.294	639.6251		734.1773	621.7465		613.2327	607.3778
	894.9351			845.4669			1190.708	
350.502	874.165	638.8453	348.602	847.29	622.3516	346.702	1259.955	704.6436
	669.7994	643.0985		666.6606	684.8018		607.4875	1120.862
	877.3085	638.6013		719.791	620.9065		611.9143	606.7948
	913.2479			830.8853			1224.523	
350.402	901.425	637.8438	348.502	818.165	621.7313	346.602	1268.865	725.263
	677.0024	642.5347		656.7147	695.5767		606.8523	1131.699
	886.5031	637.582		706.4185	620.0737		610.7454	606.2427
	931.138			820.2201			1255.832	
350.302	934.26	636.8501	348.402	814.825	621.1637	346.502	1295.395	747.3643
	685.4932	642.0455		648.0978	708.1989		606.2618	1137.491
	893.6023	636.5688		694.1247	619.2468		609.7037	605.7219
	948.2846			813.8448			1283.655	
350.202	942.315	635.8663	348.302	822.64	620.6649	346.402	1315.96	769.9236
	695.0736	641.6469		640.8104	722.8303		605.7147	1138.032
	898.2918	635.5635		682.9773	618.4257		608.7757	605.2339
	964.1882			812.0055			1306.745	
350.102	926.415	634.8933	348.202	823.79	620.2554	346.302	1334.82	791.6595
	705.3879	641.3588		634.7919	739.6409		605.2102	1133.177
	900.4513	634.5667		672.9504	617.6112		607.9466	604.78
	978.3913			814.805			1323.653	
350.002	964.525	633.9309	348.102	810.16	619.9672	346.202	1349.14	811.1359
	715.9227	641.1992		629.887	758.6588		604.7477	1123.208
	899.9771	633.5779		664.0121	616.8034		607.2061	604.361
	990.2963			822.1148			1333.214	
349.902	1001.415	632.9814	348.002	828.51	619.8391	346.102	1328.77	826.9358
	726.0388	641.1982		625.9361	779.9446		604.3269	1108.354
	896.7973	632.599		656.1299	616.0019		606.5468	603.9779
	999.2186			833.844			1334.23	
349.802	990.78	632.0474	347.902	852.71	619.9335	346.002	1306.705	837.7818
	735.0196	641.3902		622.7553	803.4572		603.9458	1089.054
	891.0554	631.6322		649.2025	615.2078		605.959	603.6296
	1004.616			849.7252			1325.851	
349.702	983.87	631.129	347.802	880.31	620.3298	345.902	1295.17	842.7918
	742.156	641.8111		620.1889	829.0345		603.6027	1065.951
	882.865	630.6771		643.1597	614.4224		605.4359	603.3153
	1005.93			869.4457			1307.835	
349.602	970.635	630.2267	347.702	918.915	621.1471	345.802	1307.1	841.4766
	746.8097	642.5158		618.092	856.5027		603.2966	1039.63
	872.4455	629.7336		637.9161	613.6473		604.9722	603.0345
	1002.797			892.716			1280.272	

345.702	1259.29	833.9735	343.802	626.6	605.9084	341.902	575.005	575.4093
	603.0274	1010.868		601.5604	630.7992		575.0313	578.0176
	604.564	602.7877		602	601.4946		575.2185	575.005
	1244.07			635.7841			578.6618	
345.602	1226.745	820.8324	343.702	633.45	605.0943	341.802	599.605	599.9777
	602.7927	980.4202		601.5539	626.3578		599.6303	602.39
	604.2063	602.5728		601.972	601.4924		599.8103	599.605
	1200.533			630.5008			602.9933	
345.502	1155.965	803.1423	343.602	612.59	604.4747	341.702	577.06	577.4043
	602.5904	948.9945		601.5496	622.679		577.0843	579.6411
	603.8945	602.3882		601.9473	601.4918		577.2576	577.06
	1151.457			626.1753			580.2073	
345.402	1071.8	782.1859	343.502	603.235	603.9957	341.602	595.63	595.9487
	602.4168	917.3229		601.547	619.6174		595.6533	598.0272
	603.623	602.2305		601.9247	601.4917		595.8202	595.63
	1098.857			622.6099			598.5595	
345.302	1019.7	759.4391	343.402	588.65	590.7781	341.502	599.615	599.9107
	602.2677	886.0322		588.7029	604.2318		599.6372	601.846
	603.3861	602.0956		589.0621	588.65		599.7982	599.615
	1044.838			606.8248			602.3472	
345.202	991.835	736.2839	343.302	593.85	595.6781	341.402	603.47	603.7448
	602.1403	855.6947		593.9004	607.3217		603.4914	605.5505
	603.1795	601.9809		594.2424	593.85		603.6466	603.47
	991.3557			609.5926			606.0233	
345.102	926.94	713.9269	343.202	626.92	628.505	341.302	582.97	583.2259
	602.0331	826.7469		626.9679	638.6298		582.9907	584.9135
	603.0008	601.8853		627.294	626.92		583.1402	582.97
	940.0518			640.6368			585.3603	
345.002	873.09	693.3136	343.102	633.76	635.1454	341.202	581.32	581.5587
	601.9429	799.5743		633.8054	643.999		581.3399	583.1387
	602.8457	601.8054		634.1168	633.76		581.4842	581.32
	892.26			645.7865			583.5615	
344.902	835.45	675.0208	343.002	614.25	615.4693	341.102	621.965	622.188
	601.8668	774.4284		614.2929	623.2555		621.9842	623.6697
	602.7106	601.7388		614.5906	614.25		622.1283	621.965
	848.8101			624.8583			624.0752	
344.802	802.42	659.3856	342.902	601.2	602.2798	341.002	601.565	601.7737
	601.8029	751.4393		601.2405	609.1637		601.5835	603.1652
	602.5929	601.6835		601.5254	601.2		601.7225	601.565
	810.1701			610.6094			603.5498	
344.702	782.815	646.4073	342.802	622.385	623.3465	340.902	581.055	581.2505
	601.7496	730.7411		622.4239	629.4685		581.0728	582.5593
	602.4904	601.6381		622.6961	622.385		581.2067	581.055
	776.4742			630.7799			582.9244	
344.602	767.795	635.9628	342.702	617.97	618.8304	340.802	613.27	613.4535
	601.7057	712.2798		618.0074	624.3032		613.2871	614.6861
	602.4015	601.6014		618.2676	617.97		613.4159	613.27
	747.5456			625.4986			615.0327	
344.502	733.67	627.7401	342.602	579.895	580.6684	340.702	604.58	604.7524
	601.6706	695.9901		579.9308	585.5852		604.5965	605.9148
	602.325	601.5729		580.1799	579.895		604.7201	604.58
	723.0073			586.6792			606.2438	
344.402	709.99	621.4192	342.502	580.55	581.248	340.602	610.27	610.4322
	601.6425	681.8067		580.5842	585.6879		610.286	611.5298
	602.2588	601.5508		580.8229	580.55		610.4044	610.27
	702.4749			586.6931			611.8423	
344.302	693.88	616.6291	342.402	573.715	574.3473	340.502	602.245	602.3978
	601.6202	669.5233		573.7477	578.3737		602.2605	603.4353
	602.2013	601.534		573.9766	573.715		602.3743	602.245
	685.3721			579.3003			603.7329	
344.202	650.365	613.0546	342.302	591.215	591.7898	340.402	578.11	578.2541
	601.6028	658.9962		591.2461	595.4561		578.125	579.236
	602.1515	601.5217		591.4659	591.215		578.2359	578.11
	671.2402			596.3129			579.521	
344.102	639.86	610.4011	342.202	617.225	617.7492	340.302	591.55	591.69
	601.5882	650.0494		617.2546	621.1004		591.5645	592.6163
	602.1069	601.5117		617.4658	617.225		591.6725	591.55
	659.6103			621.8949			592.8933	
344.002	649.35	608.4413	342.102	603.98	604.4594	340.202	622.15	622.2816
	601.5758	642.4723		604.0084	607.5326		622.164	623.1608
	602.0667	601.5037		604.2112	603.98		622.2691	622.15
	650.045			608.2716			623.4254	
343.902	648.33	606.9892	342.002	589.77	590.2097	340.102	621.155	621.2781
	601.568	636.1168		589.7974	593.037		621.1685	622.1142
	602.0311	601.498		589.9921	589.77		621.2707	621.155
	642.2111			593.7261			622.3665	



340.002	600.45	600.5657	141.302	447.3505	447.3525	139.402	455.483	455.4878
	600.463	601.361		447.3519	447.363		455.4869	455.5088
	600.5623	600.45		447.3589	447.3505		455.5021	455.483
	601.6021			447.3748			455.5366	
339.902	602.095	602.2057	141.202	471.8185	471.8206	139.302	461.7075	461.7126
	602.1076	602.9611		471.82	471.8314		461.7117	461.7345
	602.2039	602.095		471.8272	471.8185		461.7276	461.7075
	603.1934			471.8436			461.7639	
339.802	606.59	606.6958	141.102	459.019	459.0211	139.202	448.0975	448.1029
	606.6022	607.4141		459.0206	459.0323		448.102	448.1258
	606.6955	606.59		459.028	459.019		448.1186	448.0975
	607.6377			459.045			448.1568	
339.702	604.71	604.8108	141.002	446.144	446.1462	139.102	456.0225	456.0281
	604.7219	605.4949		446.1456	446.1577		456.0273	456.0521
	604.8122	604.71		446.1534	446.144		456.0446	456.0225
	605.7097			446.171			456.0846	
339.602	616.85	616.9458	140.902	463.331	463.3333	139.002	434.823	434.829
	616.8615	617.5981		463.3327	463.3453		434.8281	434.8538
	616.9488	616.85		463.3408	463.331		434.8461	434.823
	617.8042			463.3592			434.888	
339.502	617.345	617.4359	140.802	454.7515	454.7539	138.902	422.4525	422.4589
	617.3561	618.0586		454.7533	454.7664		422.4579	422.4846
	617.4404	617.345		454.7618	454.7515		422.4767	422.4525
	618.2559			454.7809			422.5206	
339.402	601.29	601.3759	140.702	445.1215	445.1241	138.802	450.502	450.5088
	601.3008	601.9712		445.1234	445.1369		450.5079	450.5354
	601.382	601.29		445.1322	445.1215		450.5279	450.502
	602.1598			445.1521			450.574	
339.302	614.845	614.9259	140.602	411.9195	411.9222	138.702	448.8645	448.8717
	614.8554	615.4957		411.9215	411.9355		448.8709	448.8999
	614.9341	614.845		411.9306	411.9195		448.8921	448.8645
	615.6762			411.9512			448.9411	
339.202	612.63	612.7078	140.502	449.716	449.7188	138.602	454.915	454.9226
	612.6401	613.2521		449.7181	449.7326		454.9219	454.9524
	612.717	612.63		449.7275	449.716		454.9443	454.915
	613.427			449.7489			454.9962	
339.102	591.39	591.4647	140.402	460.354	460.3569	138.502	458.695	458.7031
	591.3998	591.9851		460.3562	460.3711		458.7024	458.7344
	591.4749	591.39		460.3659	460.354		458.7251	458.695
	592.1546			460.3882			458.7801	
			140.302	469.1205	469.1236	138.402	449.7565	449.7652
				469.1228	469.1382		449.7644	449.7979
				469.133	469.1205		449.7884	449.7565
				469.1561			449.8465	
<b>P 2p</b>			140.202	467.7295	467.7327	138.302	446.2645	446.2739
142.102	462.4125	462.414		467.732	467.748		446.2733	446.3079
	462.4135	462.4221		467.7426	467.7295		446.2984	446.2645
	462.4188	462.4125		467.7668			446.3599	
	462.4309			468.445	468.4483	138.202	449.6315	449.6415
142.002	459.224	459.2255	140.102	468.4476	468.4644		449.6411	449.6769
	459.225	459.2339		468.4588	468.445		449.6675	449.6315
	459.2305	459.224		468.4841			449.7325	
	459.243			451.417	451.4205	138.102	460.681	460.6916
141.902	461.8765	461.8781	140.002	451.4197	451.4372		460.6911	460.7284
	461.8776	461.8867		451.4314	451.417		460.7193	460.681
	461.8832	461.8765		451.4578			460.7874	
	461.8961			451.193	451.1967	138.002	453.7135	453.725
141.802	466.054	466.0556	139.902	451.1959	451.214		453.7246	453.7639
	466.0551	466.0645		451.208	451.193		453.7542	453.7135
	466.061	466.054		451.2356			453.8272	
	466.0743			457.642	457.6459	137.902	441.251	441.2634
141.702	470.9315	470.9332	139.802	457.6451	457.6638		441.2631	441.3048
	470.9327	470.9424		457.6577	457.642		441.2944	441.251
	470.9388	470.9315		457.6865			441.3729	
	470.9525			442.0205	442.0246	137.802	448.378	448.3914
141.602	457.7375	457.7393	139.702	442.0238	442.0432		448.3913	448.4353
	457.7387	457.7488		442.0368	442.0205		448.4244	448.378
	457.7451	457.7375		442.0668			448.5084	
	457.7593			450.485	450.4893	137.702	438.157	438.1714
141.502	451.519	451.5208	139.602	450.4885	450.5085		438.1717	438.2177
	451.5203	451.5307		450.5021	450.485		438.2066	438.157
	451.5268	451.519		450.5334			438.2964	
	451.5416			453.685	453.6895	137.602	444.719	444.7343
141.402	468.7035	468.7054	139.502	453.6887	453.7095		444.7353	444.7814
	468.7049	468.7156		453.7031	453.685		444.7722	444.719
	468.7116	468.7035		453.7359			444.8661	
	468.727							

137.502	449.636	449.6529	135.602	468.9795	469.1322	133.702	518.67	481.9097
	449.6541	449.7021		469.7314	469.2546		453.9722	457.4534
	449.693	449.636		469.3472	468.9795		476.235	450.734
	449.7941			470.5269			517.3685	
137.402	444.9795	444.998	135.502	443.048	443.2319	133.602	518.6	482.1403
	444.9996	445.0497		444.1683	443.3518		452.7386	459.3521
	445.0408	444.9795		443.4744	443.048		480.6437	450.5425
	445.1497			445.0825			523.2471	
137.302	470.16	470.1796	135.402	456.8185	457.0436	133.502	521.33	480.5763
	470.1825	470.2346		458.5002	457.1553		451.823	461.9045
	470.226	470.16		457.3181	456.8185		485.0867	450.356
	470.3428			459.5617			528.3226	
137.202	464.0065	464.0279	135.302	461.9785	462.2591	133.402	542.4	477.4637
	464.0318	464.0859		464.4869	462.3535		451.1529	465.2428
	464.0778	464.0065		462.5707	461.9785		489.3045	450.1746
	464.2039			465.7347			532.6401	
137.102	465.1295	465.1529	135.202	453.112	454.2789	133.302	530.845	473.297
	465.1581	465.2142		457.591	454.3403		450.6604	469.5091
	465.2066	465.1295		454.632	453.9208		493.0182	450.0002
	465.3433			459.0796			536.4842	
137.002	467.2125	467.2382	135.102	446.672	454.1724	133.202	542.84	468.6763
	467.245	467.3029		458.9122	454.1738		450.2879	474.7923
	467.296	467.2125		454.5684	453.7024		495.954	449.8317
	467.4446			460.7197			540.2154	
136.902	463.453	463.4813	135.002	472.573	454.1192	133.102	556.08	464.1612
	463.4902	463.5496		460.5953	454.0155		449.9954	481.1435
	463.5437	463.453		454.5525	453.4825		497.8693	449.6703
	463.7058			462.835			544.1585	
136.802	454.6445	454.6757	134.902	463.603	454.1549	133.002	554.435	460.1599
	454.6873	454.7479		462.5419	453.8695		449.7564	488.5318
	454.7433	454.6445		454.6055	453.2632		498.6118	449.517
	454.9208			465.3823			548.5089	
136.702	448.88	448.9146	134.802	467.2875	454.3322	132.902	537.695	456.8859
	448.9297	448.9909		464.5537	453.7386		449.5537	496.8094
	448.9879	448.88		454.7513	453.0438		498.0979	449.3717
	449.1831			468.2444			553.2318	
136.602	446.879	446.9175	134.702	480.9255	454.7317	132.802	539.41	454.3768
	446.9371	446.9981		466.3546	453.6275		449.3755	505.7225
	446.9972	446.879		455.0238	452.8247		496.3621	449.2331
	447.2129			471.2636			558.1375	
136.502	452.595	452.6381	134.602	477.8465	455.4658	132.702	566.93	452.5524
	452.6637	452.7232		467.6445	453.5435		449.2155	514.8833
	452.7248	452.595		455.4676	452.6069		493.5354	449.1015
	452.9647			474.3006			562.8823	
136.402	445.9915	446.0398	134.502	471.113	456.6726	132.602	555.355	451.2777
	446.0736	446.1297		468.1711	453.4953		449.072	523.811
	446.1346	445.9915		456.1331	452.3904		489.8201	448.9789
	446.4032			477.301			567.0441	
136.302	451.205	451.2595	134.402	491.3865	458.4978	132.502	580.73	450.4062
	451.3045	451.3544		467.8019	453.4941		448.9417	531.9482
	451.3632	451.205		457.0846	452.1745		485.4871	448.8645
	451.6666			480.3548			570.1896	
136.202	454.439	454.5008	134.302	480.3235	461.0571	132.402	596.415	449.8145
	454.5616	454.6007		466.5663	453.5591		448.8253	538.7445
	454.6147	454.439		458.3886	451.9611		480.8164	448.7605
	454.9608			483.688			571.9194	
136.102	461.2895	461.36	134.202	501.86	464.3742	132.302	590.335	449.4094
	461.4437	461.465		464.6424	453.7122		448.723	543.6734
	461.4855	461.2895		460.1132	451.7491		476.0828	448.6679
	461.8856			487.5945			571.8849	
136.002	457.2485	457.3294	134.102	489.506	468.3236	132.202	562.295	449.1254
	457.4474	457.4394		462.3093	453.9881		448.6336	546.3563
	457.4681	457.2485		462.3227	451.5405		471.5191	448.5864
	457.9388			492.3221			569.8752	
135.902	453.8255	453.919	134.002	490.61	472.5862	132.102	553.935	448.9185
	454.0898	454.0338		459.8664	454.4311		448.5545	546.5672
	454.0729	453.8255		465.0526	451.3343		467.3071	448.5137
	454.639			497.9334			565.8061	
135.802	476.31	476.419	133.902	502.33	476.6643	132.002	545.595	448.7626
	476.6729	476.5378		457.5677	455.0994		448.4849	544.2664
	476.5904	476.31		468.3169	451.1305		463.5609	448.4493
	477.2901			504.2566			559.7267	
135.702	465.308	465.4363	133.802	506.96	479.9603	131.902	542.835	448.6412
	465.8228	465.5579		455.5797	456.0757		448.4237	539.6582
	465.6278	465.308		472.0752	450.9303		460.343	448.3925
	466.5209			510.9			551.8885	

131.802	545.155	448.5447	129.902	429.9365	448.1206	128.002	431.2915	431.2967
	448.3706	533.0805		448.1063	449.4761		431.2932	431.4435
	457.662	448.3431		448.3068	448.1013		431.3333	431.2915
	542.6284			449.7059			431.4922	
131.702	535.215	448.4675	129.802	455.21	455.2276	127.902	466.799	466.8039
	448.3256	525.036		455.2147	456.3576		466.8006	466.9396
	455.4862	448.3013		455.3939	455.21		466.8383	466.799
	532.4113			456.5638			466.9854	
131.602	536.68	448.4052	129.702	468.4405	468.4565	127.802	459.711	459.7157
	448.288	516.0792		468.4449	469.4109		459.7125	459.8413
	453.7671	448.2663		468.6058	468.4405		459.7479	459.711
	521.7406			469.5965			459.8844	
131.502	506.945	448.3557	129.602	485.2385	485.2533	127.702	455.255	455.2594
	448.2576	506.7667		485.2426	486.0682		455.2565	455.3761
	452.4331	448.2382		485.3877	485.2385		455.2897	455.255
	511.0984			486.2363			455.4166	
131.402	493.7215	448.3151	129.502	455.251	455.2648	127.602	448.8685	448.8727
	448.2322	497.6021		455.2548	455.9677		448.8699	448.9811
	451.4155	448.2147		455.3862	455.251		448.9012	448.8685
	500.9205			456.1205			449.0194	
131.302	505.305	448.2813	129.402	452.0075	452.0204	127.502	456.665	456.669
	448.2106	488.9936		452.0111	452.6319		456.6663	456.77
	450.6486	448.1948		452.1304	452.0075		456.6959	456.665
	491.5495			452.7712			456.8062	
131.202	482.9595	448.2545	129.302	445.3945	445.4064	127.402	431.2085	431.2123
	448.1937	481.2281		445.3979	445.9425		431.2098	431.3065
	450.0754	448.1794		445.5066	445.3945		431.2385	431.2085
	483.2134			446.0699			431.3417	
131.102	476.367	448.2324	129.202	462.892	462.9029	127.302	446.016	446.0196
	448.1797	474.4666		462.8952	463.3761		446.0172	446.1077
	449.6494	448.1667		462.9945	462.892		446.0443	446.016
	476.0279			463.4928			446.1409	
131.002	455.5595	448.214	129.102	474.9835	474.9937	127.202	448.7395	448.7429
	448.168	468.7753		474.9865	475.4136		448.7407	448.8254
	449.3312	448.1563		475.0775	474.9835		448.7661	448.7395
	470.0197			475.5209			448.8566	
130.902	449.6965	448.1974	129.002	459.7	459.7096	127.102	455.431	455.4343
	448.1571	464.1098		459.7028	460.0842		455.4321	455.5116
	449.0911	448.1463		459.7865	459.7		455.4559	455.431
	465.1164			460.1831			455.5409	
130.802	450.263	448.182	128.902	443.1465	443.1555	127.002	449.1585	449.1616
	448.1464	460.3871		443.1492	443.4913		449.1596	449.2342
	448.9077	448.1366		443.2262	443.1465		449.182	449.1585
	461.2136			443.5827			449.2619	
130.702	467.5655	448.1675	128.802	437.95	437.9584	126.902	443.1095	443.1125
	448.1362	457.4794		437.9526	438.2607		443.1105	443.1807
	448.7653	448.1269		438.0236	437.95		443.132	443.1095
	458.1677			438.3453			443.2072	
130.602	479.35	448.1552	128.702	439.903	439.9108	126.802	441.6705	441.6733
	448.1273	455.2482		439.9054	440.1841		441.6715	441.7375
	448.6546	448.1188		439.9712	439.903		441.692	441.6705
	455.8289			440.2625			441.7629	
130.502	470.921	448.1459	128.602	451.907	451.9144	126.702	460.0595	460.0622
	448.1209	453.567		451.9093	452.1622		460.0605	460.1227
	448.5683	448.1132		451.9703	451.907		460.08	460.0595
	454.0626			452.2351			460.1469	
130.402	461.037	448.1389	128.502	454.975	454.982	126.602	451.628	451.6306
	448.1165	452.3085		454.9772	455.2074		451.6289	451.6876
	448.5002	448.1093		455.0338	454.975		451.6475	451.628
	452.7361			455.2754			451.7107	
130.302	443.98	448.1334	128.402	449.9955	450.0021	126.502	464.8825	464.885
	448.1132	451.3735		449.9976	450.2079		464.8834	464.9405
	448.4453	448.1065		450.0502	449.9955		464.901	464.8825
	451.7459			450.2712			464.9624	
130.202	465.556	448.1281	128.302	447.722	447.7282	126.402	451.663	451.6654
	448.1099	450.6783		447.724	447.9166		451.6639	451.7176
	448.3997	448.1037		447.7731	447.722		451.6805	451.663
	451.0051			447.9758			451.7384	
130.102	455.5345	448.1245	128.202	451.8845	451.8903	126.302	444.725	444.7273
	448.108	450.1599		451.8864	452.0633		444.7258	444.7762
	448.3628	448.1022		451.9322	451.8845		444.7415	444.725
	450.4485			452.1186			444.7958	
130.002	459.1575	448.1217	128.102	449.896	449.9015	126.202	441.8135	441.8157
	448.1066	449.7713		449.8978	450.0606		441.8143	441.8614
	448.3321	448.1013		449.9407	449.896		441.8294	441.8135
	450.0277			450.1125			441.8803	

126.102	468.0635	468.0656	124.202	462.7395	462.7405	297.378	336.134	336.2585
	468.0643	468.1094		462.7399	462.759		336.1579	336.1346
	468.0788	468.0635		462.7466	462.7395		336.1353	336.156
	468.1275			462.7676			336.134	336.3063
126.002	456.213	456.215	124.102	453.639	453.64	297.278	349.6008	349.7339
	456.2137	456.2569		453.6394	453.6577		349.6253	349.6014
	456.2277	456.213		453.6458	453.639		349.6022	349.6235
	456.2743			453.6659			349.6008	349.7831
125.902	448.167	448.1689				297.178	352.596	352.7384
	448.1677	448.2089					352.6212	352.5966
	448.181	448.167					352.5974	352.6195
	448.2256						352.596	352.7891
125.802	457.9345	457.9364				297.078	325.7344	325.887
	457.9352	457.9744					325.7603	325.735
	457.9479	457.9345					325.7358	325.7588
	457.9903						325.7344	325.9392
125.702	455.0725	455.0743				296.978	329.5396	329.7034
	455.0732	455.1104					329.5662	329.5402
	455.0853	455.0725					329.5411	329.5648
	455.1256						329.5396	329.7572
125.602	451.7135	451.7152				296.878	342.3536	342.5297
	451.7141	451.7494					342.3808	342.3542
	451.7257	451.7135					342.3551	342.3797
	451.7639						342.3536	342.5852
125.502	443.4625	443.4642				296.778	358.3692	358.5589
	443.4631	443.4964					358.3971	358.3699
	443.4742	443.4625					358.3707	358.3963
	443.5103						358.3692	358.6161
125.402	461.3965	461.3981				296.678	346.3096	346.5144
	461.3971	461.4288					346.3382	346.3103
	461.4078	461.3965					346.3111	346.3377
	461.4423						346.3096	346.5733
125.302	454.3425	454.344				296.578	333.6108	333.8323
	454.3431	454.3736					333.6401	333.6115
	454.3533	454.3425					333.6124	333.6399
	454.3865						333.6108	333.893
125.202	468.3375	468.339				296.478	338.1592	338.3994
	468.3381	468.3673					338.1891	338.1599
	468.3479	468.3375					338.1608	338.1894
	468.3798						338.1592	338.4619
125.102	457.272	457.2734				296.378	358.1688	358.4298
	457.2725	457.3006					358.1994	358.1696
	457.282	457.272					358.1705	358.2002
	457.3126						358.1688	358.4942
125.002	453.1705	453.1719				296.278	349.7216	350.0059
	453.171	453.1978					349.753	349.7224
	453.1801	453.1705					349.7233	349.7542
	453.2093						349.7216	350.0724
124.902	468.647	468.6483				296.178	353.2348	353.5453
	468.6475	468.6731					353.2672	353.2356
	468.6562	468.647					353.2365	353.2687
	468.6841						353.2348	353.6142
124.802	468.969	468.9703				296.078	364.8096	365.1497
	468.9695	468.9938					364.8431	364.8104
	468.9778	468.969					364.8114	364.8449
	469.0044						364.8096	365.2211
124.702	439.957	439.9582				295.978	337.7252	338.0989
	439.9575	439.9807					337.7597	337.7261
	439.9655	439.957					337.727	337.7619
	439.9909						337.7252	338.1728
124.602	440.943	440.9442				295.878	323.8548	324.2667
	440.9435	440.9658					323.8903	323.8557
	440.9512	440.943					323.8567	323.893
	440.9757						323.8548	324.3432
124.502	447.5895	447.5907				295.778	339.168	339.6237
	447.5899	447.6115					339.2045	339.1689
	447.5975	447.5895					339.1699	339.2078
	447.6211						339.168	339.7028
124.402	446.3495	446.3506				295.678	338.5536	339.0596
	446.3499	446.3707					338.5911	338.5546
	446.3572	446.3495					338.5555	338.5951
	446.3799						338.5536	339.1415
124.302	454.2515	454.2526				295.578	368.5792	369.1435
	454.2519	454.2719					368.6178	368.5802
	454.2589	454.2515					368.5812	368.6225
	454.2808						368.5792	369.2283

**C 1s**

295.478	358.0564	358.6886	293.578	391.9784	385.6134	291.678	418.772	413.156
	358.096	358.0574		350.1386	350.068		349.4476	349.3039
	358.0584	358.1016		350.0691	350.1847		349.3034	349.8688
	358.0564	358.7764		350.0658	385.8106		349.2977	413.8891
295.378	348.758	349.4699	293.478	384.7096	396.4577	291.578	400.952	399.2996
	348.7986	348.7591		350.0736	350.0003		349.4489	349.2986
	348.7601	348.8052		350.0014	350.1245		349.2979	349.9347
	348.758	349.5608		349.998	396.6654		349.292	400.1119
295.278	354.3724	355.1785	293.378	399.528	409.5894	291.478	392.7052	387.7308
	354.414	354.3735		350.0094	349.9334		349.452	349.2948
	354.3745	354.4217		349.9345	350.0658		349.2939	350.0143
	354.3724	355.2727		349.931	409.8084		349.2877	388.6351
295.178	346.9304	347.849	293.278	411.752	424.8933	291.378	366.984	378.3984
	346.973	346.9315		349.9441	349.8678		349.4567	349.2922
	346.9326	346.982		349.8688	350.009		349.291	350.1099
	346.9304	347.9465		349.8652	425.122		349.2846	379.4099
295.078	350.548	351.6023	293.178	440.972	441.9779	291.278	359.29	371.0955
	350.5921	350.5492		349.8827	349.8036		349.4625	349.29
	350.5502	350.602		349.8046	349.9547		349.2886	350.2238
	350.548	351.7037		349.801	442.2197		349.2819	372.2326
294.978	343.6108	344.8308	293.078	454.064	460.1336	291.178	359.3852	365.5279
	343.6565	343.612		349.8239	349.7419		349.4691	349.2883
	343.6131	343.6673		349.7428	349.9036		349.2864	350.359
	343.6108	344.9365		349.7391	460.3895		349.2796	366.8123
294.878	360.2344	361.6597	292.978	494.28	478.3513	291.078	369.804	361.373
	360.2817	360.2357		349.768	349.6829		349.4766	349.287
	360.2367	360.2936		349.6838	349.8565		349.2846	350.5196
	360.2344	361.7699		349.6799	478.6227		349.2775	362.8307
294.778	355.954	357.638	292.878	485.676	495.4013	290.978	367.8464	358.3225
	356.0029	355.9553		349.7161	349.6277		349.4853	349.2863
	355.9564	356.0161		349.6286	349.8144		349.2833	350.7104
	355.954	357.7528		349.6246	495.6895		349.276	359.9838
294.678	349.5184	352.8529	292.778	533.52	509.9572	290.878	372.8532	356.1063
	350.8876	350.8384		349.668	349.5763		349.4952	349.2858
	350.8395	350.9023		349.577	349.7775		349.2825	350.9366
	350.8371	352.9725		349.573	510.264		349.275	358.0065
294.578	347.0388	353.2159	292.678	543.096	520.7698	290.778	358.6684	354.5039
	350.8191	350.7683		349.625	349.5297		349.5066	349.2863
	350.7694	350.8355		349.5305	349.7471		349.2824	351.2042
	350.7669	353.3406		349.5263	521.097		349.2746	356.6849
294.478	354.7532	353.7206	292.578	523.976	526.8447	290.678	338.6524	353.3439
	350.7502	350.6979		349.5875	349.4885		349.519	349.2872
	350.699	350.7685		349.4892	349.7239		349.2827	351.5193
	350.6964	353.8506		349.4848	527.1945		349.2745	355.8541
294.378	368.5804	354.4253	292.478	495.94	527.5979	290.578	353.2548	352.4973
	350.6811	350.6272		349.5549	349.4519		349.5325	349.2882
	350.6283	350.7015		349.4526	349.7077		349.2829	351.8887
	350.6256	354.5608		349.4481	527.9727		349.2744	355.392
294.278	361.5836	355.4136	292.378	514.648	522.9473	290.478	355.916	351.9703
	350.6121	350.5567		349.5265	349.4193		349.6455	349.3879
	350.5578	350.635		349.4199	349.698		349.3818	352.4186
	350.5551	355.5549		349.4153	523.35		349.3729	355.3125
294.178	351.104	356.8019	292.278	517.624	513.3281	290.378	376.006	351.0885
	350.5432	350.4862		349.5028	349.3912		349.2486	348.9766
	350.4873	350.5688		349.3918	349.6959		348.9695	352.5072
	350.4845	356.9495		349.387	513.762		348.9602	354.9494
294.078	371.8664	358.7481	292.178	499.832	499.6475	290.278	363.4696	350.3185
	350.474	350.4154		349.484	349.3678		348.853	348.5657
	350.4165	350.5027		349.3682	349.702		348.5573	352.6737
	350.4137	358.902		349.3632	500.1165		348.5477	354.7774
293.978	390.2852	361.4612	292.078	480.052	483.1011	290.178	353.8696	349.6276
	350.4051	350.345		349.4695	349.3485		348.4577	348.1538
	350.3461	350.4372		349.3487	349.7165		348.144	352.9248
	350.3431	361.6221		349.3436	483.6099		348.1341	354.7717
293.878	364.1532	365.198	291.978	480.268	465.0114	290.078	359.022	348.9928
	350.338	350.2754		349.4589	349.3327		348.0619	347.7401
	350.2765	350.3731		349.3327	349.7397		347.7286	353.267
	350.2735	365.367		349.3275	465.5654		347.7184	354.9171
293.778	362.9844	370.2565	291.878	451.836	446.6517	289.978	344.0348	348.3996
	350.2712	350.206		349.4522	349.3204		347.6664	347.3253
	350.207	350.3095		349.3203	349.7724		347.3118	353.7076
	350.204	370.4344		349.315	447.2573		347.3012	355.2059
293.678	381.248	376.959	291.778	427.984	429.1012	289.878	338.1316	347.8359
	350.2046	350.1367		349.4486	349.311		347.2698	346.9078
	350.1377	350.2465		349.3108	349.8152		346.892	354.2501
	350.1346	377.1463		349.3052	429.7659		346.8811	355.6314

289.778	357.112	347.2937	287.878	379.5864	338.4707	285.978	380.9868	330.8957
	346.8718	346.4872		340.5718	339.991		374.5343	334.5288
	346.469	354.8976		338.354	370.1775		330.9551	338.3068
	346.4574	356.1896		338.3255	374.2629		330.8457	385.838
289.678	357.472	346.7695	287.778	373.0224	338.0434	285.878	385.222	330.5363
	346.4747	346.0657		340.4677	340.2979		380.4037	333.0995
	346.0444	355.6532		337.9378	369.5115		330.6089	336.9775
	346.0323	356.8784		337.9077	374.6274		330.4887	389.671
289.578	359.1584	346.2595	287.678	372.6524	337.6186	285.778	408.38	330.1815
	346.0788	345.6434		340.4274	340.8785		386.7405	331.9604
	345.6185	356.5153		337.5236	368.5939		330.269	335.7584
	345.6058	357.6925		337.4917	375.0753		330.1365	394.3638
289.478	366.6028	345.7609	287.578	354.4464	337.1964	285.678	396.824	329.8343
	345.685	345.2207		340.4631	341.7759		393.4676	331.0588
	345.1915	357.4794		337.1113	367.4376		329.9381	334.6468
	345.1782	358.6248		337.0774	375.6745		329.7915	399.7797
289.378	362.6752	345.2722	287.478	369.1528	336.7748	285.578	394.7632	329.4938
	345.2942	344.7986		340.5892	343.001		400.4953	330.3371
	344.7638	358.5377		336.6992	366.0598		329.6157	333.6351
	344.7503	359.6654		336.6632	376.4711		329.4526	405.7665
289.278	348.4404	344.7912	287.378	384.052	336.3586	285.478	410.56	329.1593
	344.9067	344.3771		340.8289	344.5182		407.6939	329.7455
	344.336	359.6774		336.2889	364.4859		329.3019	332.7158
	344.3218	360.8012		336.2506	377.4782		329.1197	412.1374
289.178	362.818	344.3151	287.278	386.2296	335.9426	285.378	425.652	328.8325
	344.5216	343.9551		341.2039	346.2249		414.9232	329.247
	343.9061	360.8805		335.882	362.7458		328.9993	331.8828
	343.8913	362.0134		335.8413	378.634		328.7946	418.7064
289.078	359.3708	343.8444	287.178	385.3616	335.5301	285.278	432.712	328.5151
	344.1411	343.5345		341.7444	347.9518		422.0195	328.8143
	343.4758	362.1281		335.479	360.8705		328.7102	331.1296
	343.4603	363.2827		335.4356	379.8335		328.4788	425.2736
288.978	367.6712	343.3779	287.078	387.5728	335.1212	285.178	426.696	328.2079
	343.7658	343.1157		342.48	349.4806		428.8135	328.4288
	343.0448	363.3954		335.0799	358.8928		328.4367	330.4493
	343.0286	364.5852		335.0335	380.9206		328.1732	431.6433
288.878	373.2	342.9158	286.978	389.3152	334.7188	285.078	432.52	327.9103
	343.3975	342.7004		343.4428	350.5757		435.1149	328.0769
	342.6141	364.6556		334.6849	356.846		328.1794	329.8335
	342.5971	365.8949		334.6353	381.7273		327.8772	437.6061
288.778	375.1036	342.458	286.878	372.9248	334.3209	284.978	443.464	327.6233
	343.0379	342.2907		344.6801	351.0384		440.7476	327.7513
	342.1843	365.8789		334.2945	354.7627		327.941	329.276
	342.1665	367.1838		334.2412	382.1315		327.5916	442.9727
288.678	363.8472	342.0044	286.778	366.4344	333.9254	284.878	456.148	327.3481
	342.6889	341.8886		346.2229	350.7453		445.5541	327.4478
	341.7558	367.0333		333.9069	352.6719		327.725	328.7713
	341.737	368.4227		333.8498	382.0734		327.3176	447.576
288.578	367.5964	341.5535	286.678	387.3872	333.532	284.778	463.348	327.0859
	342.3508	341.4961		348.1177	349.6815		449.3516	327.1645
	341.3273	368.0845		333.5218	350.601		327.5357	328.3149
	341.3076	369.5817		333.4603	381.6128		327.0564	451.2267
288.478	364.6476	341.1054	286.578	378.1352	333.1428	284.678	450.456	326.8374
	342.0264	341.1185		350.4147	347.9437		452.0487	326.8998
	340.8994	369.0004		333.1413	348.577		327.3776	327.9023
	340.8787	370.6353		333.075	380.9193		326.8091	453.8296
288.378	360.8384	340.6596	286.478	382.4308	332.7569	284.578	439.664	326.6014
	341.7181	340.7629		353.147	345.7188		453.5373	326.6514
	340.4719	369.7497		332.7648	346.6201		327.2545	327.5278
	340.4501	371.5615		332.6932	380.2349		326.5742	455.2755
288.278	374.8256	340.2154	286.378	385.2808	332.3752	284.478	445.48	326.3768
	341.4284	340.4403		356.3661	343.237		453.751	326.4169
	340.0444	370.3037		332.3928	344.7476		327.1712	327.1861
	340.0215	372.3461		332.3152	379.8578		326.3507	455.4991
288.178	373.2888	339.7743	286.278	385.6836	331.9991	284.378	455.056	326.1643
	341.1635	340.1704		360.0974	340.7248		452.7023	326.1966
	339.6186	370.6395		332.0258	342.9729		327.1358	326.8744
	339.5944	372.9885		331.9416	380.0535		326.1393	454.5161
288.078	382.8848	339.336	286.178	377.7688	331.6274	284.278	455.956	325.9651
	340.9274	339.9789		364.3614	338.3675		450.3873	325.991
	339.1943	370.7377		331.664	341.305		327.1584	326.591
	339.1688	373.499		331.5724	381.0357		325.9411	452.3285
287.978	385.4068	338.9014	286.078	383.32	331.2594	284.178	446.108	325.7793
	340.7276	339.9033		369.1809	336.2843		446.8959	325.7999
	338.7726	370.586		331.3068	339.7489		327.2499	326.3334
	338.7457	373.908		331.2069	382.9529		325.7561	449.0342

284.078	457.564	325.6058	282.178	369.562	323.991	280.278	326.1052	326.1123
	442.3334	325.6221		335.7122	323.9863		327.0308	326.1076
	327.421	326.0986		346.4578	324.0916		328.3992	326.1487
	325.5834	444.7475		323.979	358.3227		326.1052	329.3778
283.978	439.584	325.4459	282.078	359.5936	323.9615	280.178	339.2964	339.3033
	436.8128	325.4586		333.8485	323.9567		340.1446	339.2987
	327.6863	325.8862		346.4412	324.056		341.1602	339.3381
	325.4242	439.5929		323.9499	356.4642		339.2964	342.0593
283.878	430.128	325.2976	281.978	341.3372	323.9357	280.078	348.0808	348.0875
	430.5171	325.3074		332.2798	323.9308		348.8606	348.083
	328.058	325.6928		346.0888	324.0245		349.5958	348.1208
	325.2767	433.7659		323.9244	354.5618		348.0808	348.4246
283.778	432.636	325.1601	281.878	336.6192	323.9117	279.978	346.5012	346.5078
	423.6058	325.1675		330.9693	323.9067		347.2201	346.5033
	328.5492	325.5163		345.4142	323.9954		347.7357	346.5396
	325.14	427.4388		323.9008	352.5941		346.5012	348.5017
283.678	438.352	325.0336	281.778	344.5448	323.8891	279.878	336.6772	336.6836
	416.2633	325.039		329.8723	323.884		337.3416	336.6792
	329.1736	325.356		344.4491	323.9679		337.6872	336.714
	325.0143	420.8083		323.8785	350.5486		336.6772	338.3969
283.578	401.036	324.9189	281.678	351.6612	323.8685	279.778	339.188	339.1943
	408.6746	324.9226		328.9598	323.8635		339.8036	339.19
	329.943	325.2118		343.2375	323.943		340.019	339.2234
	324.9003	414.0698		323.8583	348.4393		339.188	340.6783
283.478	402.116	324.8121	281.578	345.6692	323.851	279.678	341.048	341.0541
	401.0043	324.8143		328.2024	323.8459		341.6196	341.0499
	330.8616	325.079		341.8321	323.9213		341.7367	341.082
	324.794	407.3952		323.841	346.2888		341.048	342.3503
283.378	393.41	324.7133	281.478	356.8912	323.8357	279.578	353.0716	353.0775
	393.412	324.7141		327.5718	323.8306		353.6035	353.0734
	331.9315	324.9573		340.2897	323.9022		353.6469	353.1043
	324.6957	400.9452		323.826	344.1261		353.0716	354.2193
283.278	395.8164	324.6214	281.378	350.1772	323.8239	279.478	336.456	336.4618
	386.0333	324.6213		327.0505	323.8187		336.9519	336.4577
	333.1466	324.8454		338.6697	323.8868		336.9407	336.4875
	324.6045	394.85		323.8144	341.9921		336.456	337.4756
283.178	389.292	324.5369	281.278	351.9932	323.8148	279.378	330.6864	330.6921
	378.9887	324.5359		326.6166	323.8097		331.1496	330.688
	334.494	324.743		337.0275	323.8744		331.0983	330.7167
	324.5206	389.2163		323.8056	339.9207		330.6864	331.5991
283.078	374.918	324.4591	281.178	328.4184	323.8087	279.278	330.0008	330.0064
	372.3589	324.4574		326.2556	323.8036		330.4342	330.0024
	335.9507	324.6492		335.4138	323.8652		330.3538	330.03
	324.4433	384.102		323.7997	337.9481		330.0008	330.8236
282.978	383.458	324.3865	281.078	328.7296	323.803	279.178	338.1032	338.1086
	366.2171	324.3842		325.9531	323.798		338.5093	338.1047
	337.483	324.5623		333.8686	323.8567		338.4083	338.1314
	324.3712	379.5481		323.7943	336.1022		338.1032	338.8496
282.878	375.294	324.32	280.978	328.5184	323.7979	279.078	342.0184	342.0237
	360.6014	324.3171		325.6974	323.793		342.3995	342.0198
	339.0501	324.4829		332.4248	323.8489		342.2843	342.0456
	324.3052	375.5507		323.7895	334.4043		342.0184	342.6993
282.778	379.75	324.2589	280.878	334.5316	323.7933	278.978	347.2904	347.2956
	355.5249	324.2555		325.4811	323.7884		347.6487	347.2918
	340.6016	324.4101		331.1054	323.8418		347.5238	347.3166
	324.2445	372.0729		323.7851	332.8697		347.2904	347.9149
282.678	369.3044	324.2034	280.778	334.098	323.7899			
	351.0062	324.1997		325.2975	323.785			
	342.0814	324.3441		329.9246	323.836			
	324.1895	369.0768		323.7818	331.5057			
282.578	362.4444	324.1527	280.678	338.9664	323.7875			
	347.0124	324.1488		325.1408	323.7826			
	343.4302	324.2838		328.8878	323.8314			
	324.1392	366.4713		323.7797	330.3115			
282.478	367.5676	324.1058	280.578	329.3616	323.7867			
	343.5235	324.1017		325.0076	323.7819			
	344.5898	324.2283		327.9937	323.8286			
	324.0928	364.1781		323.7791	329.2822			
282.378	362.2372	324.0635	280.478	323.324	323.7865			
	340.5077	324.0591		324.8925	323.7818			
	345.5084	324.1781		327.2345	323.8264			
	324.0509	362.1132		323.7791	328.4055			
282.278	363.0224	324.0252	280.378	321.908	323.7863			
	337.915	324.0207		324.7924	323.7816			
	346.1415	324.1325		326.5989	323.8244			
	324.0129	360.1831		323.7791	327.6674			