EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

**FINAL DRAFT
prEN 15265**

April 2007

ICS 91.120.10

English Version

Thermal performance of buildings - Calculation of energy needs for space heating and cooling using dynamic methods - General criteria and validation procedures

Performance thermique des bâtiments - Calcul des besoins d'énergie pour le chauffage et le refroidissement des locaux - Critères généraux et procédures de validation

Wärmetechnisches Verhalten von Gebäuden - Berechnung des Heiz- und Kühlenergieverbrauchs - Allgemeine Kriterien und Validierungsverfahren

This draft European Standard is submitted to CEN members for formal vote. It has been drawn up by the Technical Committee CEN/TC 89.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36   B-1050 Brussels

Ref. No. prEN 15265:2007: E

Contents

Page

Foreword

This document (prEN 15265:2007) has been prepared by Technical Committee CEN/TC 89 "Thermal performance of buildings and building components", the secretariat of which is held by SIS.

This document is currently submitted to the Formal Vote.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association (Mandate M/343), and supports essential requirements of EU Directive 2002/91/EC on the energy performance of buildings (EPBD). It forms part of a series of standards aimed at European harmonisation of the methodology for the calculation of the energy performance of buildings. An overview of the whole set of standards is given in CEN/TR 15615.

Attention is drawn to the need for observance of EU Directives transposed into national legal requirements. Existing national regulations (with or without reference to national standards) may restrict for the time being the implementation of this European Standard.

This European Standard is one of a series of standards on general criteria and validation procedures for transient calculation methods for the design and the evaluation of the thermal and energy performance of buildings and building components. No existing European Standard is superseded.

The target audience of this European Standard are software developers of building simulation tools and policy makers in the building regulation sector. The standard specifies the boundary conditions and the simplifications needed to reach calculation results for the building part which are comparable.

It needs to be emphasized that there exist more sophisticated energy simulation methods and procedures including interactions with the heating, cooling, ventilating and lighting systems which may be used for the design and optimization process of a building without being necessarily covered by existing European Standards.

This European Standard provides the means (in part) to assess the contribution that building products and services make to energy conservation and to the overall energy performance of buildings.

Introduction

This European Standard defines assumptions, boundary conditions and a procedure for the validation of dynamic calculation methods for the calculation of the annual energy need for space heating and cooling of a building or a part of it.

This way, the same dynamic method used for calculating design heating and cooling loads can provide also the cooling and heating needs necessary to estimate annual energy requirements.

The series of European Standards, giving general criteria and validation procedures for the building part of energy simulation models for the different calculation subjects, are listed below.

European Standard	Subject
EN ISO 13791 EN ISO 13792	Temperature calculations (air and operative)
EN 15255	Load calculations (sensible cooling)
EN 15265	Energy need calculations (heating and cooling)

1 Scope

This European Standard specifies a set of assumptions, requirements and validation tests for procedures used for the calculation of the annual energy needs for space heating and cooling of a room in a building where the calculations are done with a time step of one hour or less.

This European Standard does not impose any specific numerical technique for the calculation of the room heating or cooling need and the internal temperatures of a room.

The purpose of this European Standard is to validate calculation methods used to:

— assess the energy performance of each room of a building;

— provide energy data to be used as interface with system performance analysis (heating, cooling, ventilating, lighting, domestic hot water etc).

The validation procedure is used to check the energy need for space heating and cooling based on a transient sensible heat balance model, taking into account:

— the external surface heat balance;

— the conduction through the building envelope;

— the thermal capacities of external and internal structures;

— the internal surface heat balance;

— the air heat balance;

— the heat balance solution method.

All other aspects are given either by prescribed boundary conditions or by input data and are not part of the model validation. It is assumed, that for all these other matters e.g. embedded heating and cooling systems, prescriptive models have to be used according to existing European Standards.

The system performance analysis and moisture balance are not within the scope of this European Standard.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 15241[1)], *Ventilation for buildings — Calculation methods for energy losses due to ventilation and infiltration in commercial buildings*

EN 15242[1)], *Ventilation for buildings — Calculation methods for the determination of air flow rates in buildings including infiltration*

[1)]   To be published.

EN ISO 7345:1995, *Thermal insulation — Physical quantities and definitions (ISO 7345:1987)*

EN ISO 10211[2], *Thermal bridges in building construction — Heat flows and surface temperatures — Detailed calculations (ISO/DIS 10211:2005)*

EN ISO 13370[2], *Thermal performance of buildings — Heat transfer via the ground — Calculation methods (ISO/DIS 13370:2005)*

EN ISO 13790[2], *Thermal performance of buildings — Calculation of energy use for space heating and cooling (ISO/DIS 13790:2005)*

EN ISO 14683[2], *Thermal bridges in building construction — Linear thermal transmittance — Simplified methods and default values (ISO/DIS 14683:2005)*

3 Terms, definitions, symbols and units

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 7345:1995 and the following apply.

3.1.1
energy needs for heating or cooling
heat to be delivered to or extracted from a conditioned space to maintain the intended temperature conditions during a given period of time

NOTE 1   The energy need is calculated and cannot easily be measured.

NOTE 2   The energy need can include additional heat transfer resulting from non-uniform temperature distribution and non-ideal temperature control, if they are taken into account by increasing (decreasing) the effective temperature for heating (cooling) and not included in the heat transfer due to the heating (cooling) system.

3.1.2
energy use for heating or cooling or domestic hot water
energy input to the heating, cooling or hot water system to satisfy the energy need for heating, cooling (including dehumidification) or hot water respectively.

NOTE   If the technical building system serves several purposes (e.g. heating and domestic hot water) it can be difficult to split the energy use into that used for each purpose. It can be indicated as a combined quantity (e.g. energy need for space heating and domestic hot water).

3.1.3
envelope element
element of a building fabric delimited by a two parallel surfaces, separating the room under consideration from the outdoor climate or another space

3.1.4
internal air temperature
temperature of the room air

3.1.5
internal environment
closed space delimited from the external environment or adjacent spaces by a building fabric component

---

[2]   The revised version of this standard is expected to be published before or at the same time as EN 15265. The reference will be updated in the final version of EN 15265.

3.1.6
internal surface temperature
temperature of the internal surface of each room element

3.1.7
mean radiant temperature
uniform surface temperature of an enclosure in which an occupant would exchange the same amount of radiant heat as in the actual non-uniform enclosure

3.1.8
operative temperature
uniform temperature of an enclosure in which an occupant would exchange the same amount of heat by radiation plus convection as in the actual non-uniform environment

NOTE   As approximation, the operative temperature is calculated as mean value of the air temperature and the mean radiant temperature.

3.1.9
room air
air of the internal environment

3.2   Symbols and units

Principal symbols used are listed below, other symbols are defined where they are used within the standard.

Symbol	Quantity	Unit
A	area	m^2
c	specific heat capacity	J/(kg·K)
d	layer thickness	m
f_{df}	solar distribution factor	-
f_{lf}	solar loss factor	-
f_{sa}	solar to air factor	-
g	total solar energy transmittance	-
h	surface heat transfer coefficient	$W/(m^2 \cdot K)$
Q	quantity of heat or energy	kWh
R	thermal resistance	$m^2 \cdot K/W$
U	thermal transmittance under steady state	$W/(m^2 \cdot K)$
α	solar energy absorptance	-
ε	total hemispherical emissivity	-
θ	Celsius temperature	°C
λ	thermal conductivity	W/(m·K)
ρ	density	kg/m^3
ρ_e	solar energy reflectance	-
τ_e	direct solar energy transmittance	-
Φ	heat flow rate	W

Subscripts

a	air	ic	internal cavity
c	convection	r	radiation
e	external	op	operative
ec	external cavity	se	external surface
i	internal	si	internal surface

4 4 Procedures

The hourly heating and cooling needs of the building are calculated for the whole year based on climatic data, building characteristics using applicable standards listed in EN ISO 13790 and national data for internal heat gains. The validation tests given in Clause 8 are limited to the thermal energy to be delivered to or extracted from the premises for heating and cooling only and therefore exclude the linkage to the energy system parts illustrated in Figure 1.
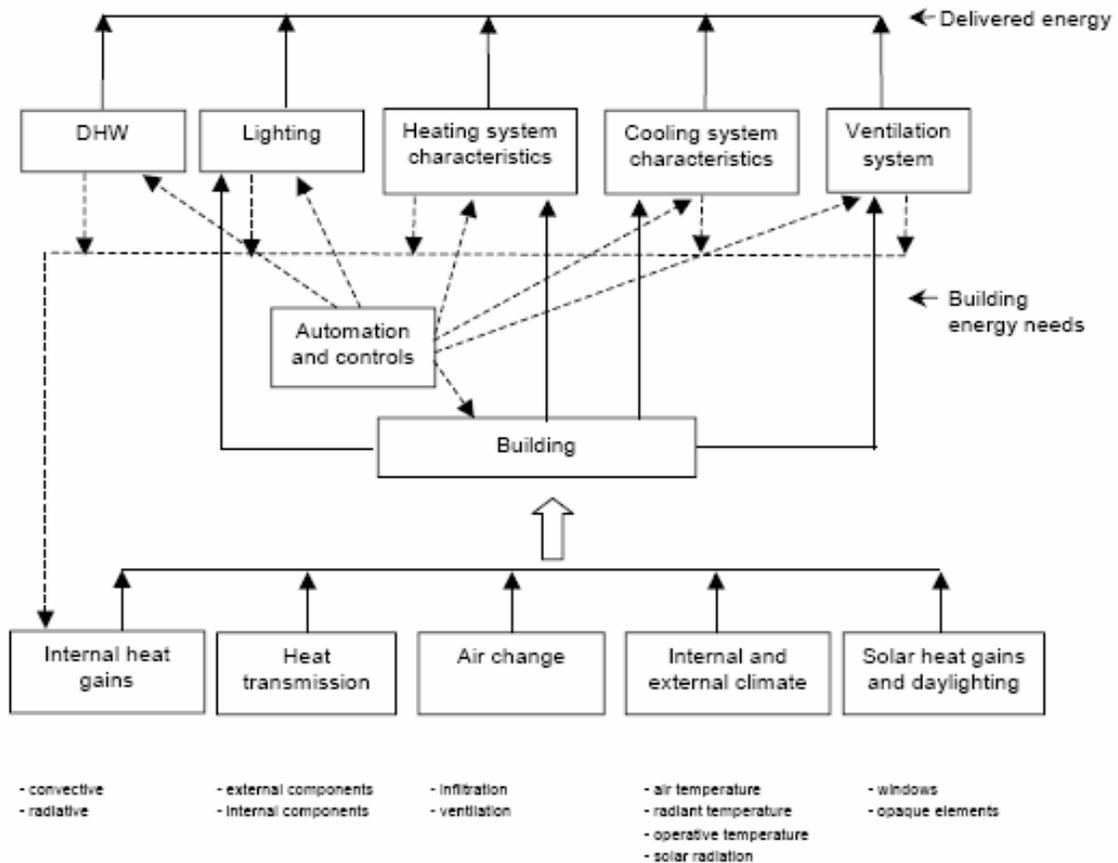
Figure 1 — Energy flows

5   Basic assumptions

The following basic assumptions shall be considered as minimum requirements for dynamic calculation methods being validated according to this European Standard:

— the room is considered a closed space delimited by enclosure elements;

— the air temperature is uniform throughout the room;

— the thermophysical properties of all materials are constant and isotropic;

— the convective heat transfer coefficients are fixed;

— the heat conduction through each room element is one-dimensional and their surfaces are considered isothermal;

— thermal bridges are represented either as linear heat loss elements with no thermal inertia according to EN ISO 14683 or as equivalent one-dimensional building elements with thermal mass and thermal characteristics derived by steady state calculations according to EN ISO 10211;

— the distribution of the solar radiation on the internal surfaces of the components of the zone is fixed;

— the distribution of the radiative part of heat flow to or from internal sources is uniform over the inside surfaces of the room elements;

— the long-wave radiative and the convective heat transfers at the internal surface of each component are treated separately;

— the angular dependence of solar transmission properties of glazing is accounted for based on manufacturers information, or alternatively a constant reduction factor of 0,9 has to be used;

— movable shading and external shading are taken into account according to EN ISO 13790;

— the heat transfer through the ground floor (including floor-wall connections) shall be treated according to the dynamic calculation procedure given in EN ISO 13370.

NOTE   This list is not necessarily exhaustive, depending on the building features and applications.

6   Data requirement

6.1   General

For evaluating the energy needs of the building, the following information is required:

— the hourly climatic data of the location for a complete reference year;

— the descriptors of the building envelope components including thermal bridges (area and geometry, orientation, exposure, boundary conditions, thermophysical parameters, solar optical properties of windows systems and external shading according to EN ISO 13790);

— the hourly profiles of the internal temperature set-point;

— the hourly profiles of the ventilation and infiltration rate;

— the hourly profile of the convective and radiative heat flows due to lighting, occupants, internal equipment and appliances;

— the characteristics of the thermal system (convective or radiative) and maximum heating and cooling capacity.

6.2 Climatic data

For a location with a given latitude and longitude the following hourly climatic data are required:

— external air temperature;

— the intensity of solar radiation (direct normal and diffuse horizontal);

— the external radiant temperature (sky and surroundings);

— the ground albedo.

NOTE   External air moisture content and wind velocity are not directly needed here but might be required for evaluating the infiltration rate and the system behaviour.

The climatic data set used for the validation tests in this European Standard is given in Annex A.

6.3 Surface heat transfer coefficients

The following values shall be used:

a)   convective surface heat transfer coefficients:

— external surface $h_{c,e}$ = 17,5 W/(m²·K);

— internal surface of no-heating or no-cooling component $h_{c,i}$ = 2,5 W/(m²·K);

— internal surface of cooling or heating component:

— vertical: $h_{c,i}$ = 2,5 W/(m²·K);

— horizontal (heat flow upwards) $h_{c,i}$ = 5,0 W/(m²·K);

— horizontal (heat flow downwards) $h_{c,i}$ = 0,7 W/(m²·K);

b)   long-wave radiative heat transfer coefficients (to sky and surroundings):

— internal surface $h_{lr,i}$ = 5,5 W/(m²·K);

— external surface $h_{lr,e}$ = 5,5 W/(m²·K).

NOTE   Given values are typical for high emissivity ε = 0,9 and T_m = 300 K. For low emissivity surfaces, guidance can be found in Annex A of EN ISO 6946.

6.4 Solar distribution

Solar to air factor f_{sa}

The solar to air factor, f_{sa}, is the fraction of the radiation entering through a glazing which is immediately delivered as a heat flow to the internal air. This fraction depends on the presence of internal elements with very low thermal capacity as carpets, furniture, etc. It is assumed to be time independent and it should be defined on a national basis: alternatively the value of f_{sa} = 0,1 may be used.

Solar loss factor f_{lf}

The solar loss factor, f_{lf}, is the fraction of the solar radiation entering through a glazing which is reflected back outside. It depends on the geometrical characteristics and solar properties of the glazing system, the exposure of the window, the solar angles and the room geometry. It is assumed to be time independent. Values of f_{lf} should be defined on a national basis: alternatively the solar loss factor may be neglected (f_{lf} = 0).

Solar distribution factor f_{df}

The heat flow rate due to the solar radiation entering through a glazing is absorbed by the internal surface of each room element. According to the assumptions of Clause 5, the distribution of the solar radiation is time independent. The distribution factor is defined, for each surface, as the fraction of the solar shortwave radiation absorbed by that surface.

For the purposes of this European Standard, the distribution factors shall be calculated using the expessions in Table 1 as a function the area of the envelope elements.

Table 1 — Solar distribution factors f_{df}

Floor	Vertical walls	Ceiling	Window
A_f / A_t	A_{wa} / A_t	A_c / A_t	0

A_f is the floor area;

A_{wa} is the sum of all vertical wall areas except windows;

A_c is the ceiling area;

A_t is the total area except window; $A_t = A_f + A_{wa} + A_c$.

6.5   Air ventilation and air infiltration

6.5.1   General

External air in the form of infiltration and ventilation provides a special type of load which is imposed on the conditioned space or the system. Ventilation is supplied to meet air purity and odour standards, while infiltration arises from controlled or uncontrolled leakage around doors and windows or through walls.

6.5.2   Infiltration

Infiltration is caused by a greater air pressure on the exterior of the building than on the interior. The quantity of the infiltrated air depends on the pressure difference; the number, the length and the width of the perimeter gaps of windows and doors; and the nature of the flow in the cracks or gaps.

6.5.3   Ventilation

Ventilation air is introduced for human occupancy. In air conditioning system air ventilation may be provided directly from outside (external air ventilation) or by handling central air. For ventilation air directly from the outside the inlet temperature is equal to the external air temperature. For air treated in a central system the inlet temperature shall be fixed according to the characteristics of the system according to EN 15241 and EN 15242.

6.6 Internal load

For calculation of the internal loads the input data should include the convective and radiative portion of heat flow from lighting, people, internal equipment. The convective portion of the energy emanating from the internal sources affects the air temperature immediately. The radiative portion affects the operative temperature after it has been absorbed by walls, floor and furniture and has warmed them to a temperature that is higher than the air temperature. This absorbed energy stored by the structure contributes to the space heating or cooling load after a time lag.

6.7 Internal design temperature

The internal design temperature in general is represented by the air temperature as the system control maintains the internal air temperature within the limit imposed by the thermostat and the maximum load capacity of the system. For systems controls maintaining operative temperature, the internal design temperature shall be the operative temperature.

6.8 Heating and cooling system device

6.8.1 General

The following heating and cooling systems are considered:

— convective device;

— surface device;

— both convective device and surface device.

6.8.2 Convective device

Convective devices are emitting devices with negligible radiative effect (i.e. fan coil or air inlet). In this situation the room heating or cooling load is represented by the heating or cooling flow rate to be provided to or removed from the space for maintaining the prescribed internal conditions defined by the system control. If the heating or cooling is provided by an air mass flow rate $\dot{m}_a$ at the prescribed inlet temperature θ_{il}, the room heating or cooling load is related to the air mass characteristics as follows:

$$\Phi_c = \dot{m}_a \, c_p \, (\theta_{il} - \theta_{a,i})$$
(2)

where

$\dot{m}_a$ is the air mass flow rate;

c_p is the specific heat capacity of the air;

θ_{il} is the air inlet temperature of the convective device;

$\theta_{a,i}$ is the room air temperature.

6.8.3 Cooling or heating surface device

With a cooling and/or heating surface device the heat flow is provided to or removed from the space by the surface of the device by convection and radiation. In this case the heating or cooling load is the total heat flow rate to be provided or removed by the surface of the heated or cooled element (comprising heat exchange with adjacent internal and external environments and stored heat variation) in order to maintain the prescribed internal conditions.

The room load, positive for heating and negative for cooling, is then given by:

$$\Phi_L = \Phi_b + \Phi_{lr,i} + \Phi_{c,i} + \Phi_{sr,i} \tag{3}$$

where

Φ_b is the heat flow rate backwards (it can be by conduction if the emitter is directly connected with the envelope, or by convection and long-wave radiation if the heating or cooling element is a suspended surface);

$\Phi_{lr,i}$ is the heat flow rate by long-wave radiation;

$\Phi_{c,i}$ is the heat flow rate by convection to the internal air;

$\Phi_{sr,i}$ is the heat flow rate due to the short-wave radiation absorbed by the surface.

7   Report of the calculation

7.1   General

The calculation report shall include the input data and the result of the calculation.

7.2   Input data

For evaluating hourly energy requirements of the building with a room by room calculation, the following information is required:

a)   the hourly climatic data of the location over a complete reference year;

b)   the descriptors of the envelope elements (area, exposure, boundary conditions, thermophysical parameters, solar factor);

c)   the schedule of the internal temperature set-point (air or operative temperature);

d)   the hourly profile of the ventilation and infiltration rates;

e)   the scheduled values of the convective and radiative heat flows due to lighting, occupants, internal equipment, appliances;

f)   the characteristics of the thermal system (convective and/or radiative) and maximum heating and cooling capacity.

7.3   Results of calculation

The results of the calculation are:

a)   graphs of hourly values of the heating and cooling requirements for each room integrated monthly and yearly values;

b)   graphs of hourly values of internal air and operative temperature.

8 Validation tests

8.1 General

This European Standard does not impose any specific numerical technique for the calculation of the energy requirements for room heating or cooling and the internal temperatures of a room.

For the validation of any existing or new numerical solution to the assumptions and the procedures defined in this European Standard, the procedures included in this clause shall be satisfied. For the validation tests specified in this clause, the results provided by any numerical solution model shall be within the range indicated for each test.

The tests according to this European Standard involve the calculation of the energy requirements for room heating or cooling and the internal temperatures for several cases as defined in 8.2 and 8.3, and the comparison of these values with the reference results given in Clause 9.

8.2 Room and components description

The internal dimensions of the room are: length = 3,6 m; depth = 5,5 m; height = 2,8 m. The external wall including window glazing is facing West. The areas of the components of the reference room are given in Table 2.

Table 2 — Areas of reference room components

	External wall	Window glazing	Internal wall left	Internal wall right	Internal wall back	Floor	Ceiling
Area (m²)	3,08	7,0	15,4	15,4	10,08	19,8	19,8

The solar parameters (considered here as independent of the solar angle) of the glazing component are given in Table 3:

Table 3 — Solar parameters of the window glazing components

Component	Transmittance	Reflectance	Absorptance
Shading	0,20	0,50	0,30
Pane	0,84	0,08	0,08

For opaque components the following values are taken:

— solar absorptance of all wall surfaces $\qquad$ $\alpha_{sr} = 0,6$;

— solar absorptance of the roof $\qquad$ $\alpha_{sr} = 0,9$.

The thermophysical characteristics of the window components are:

a) shaded DP - Double pane glass with external shading device (Figure 2):
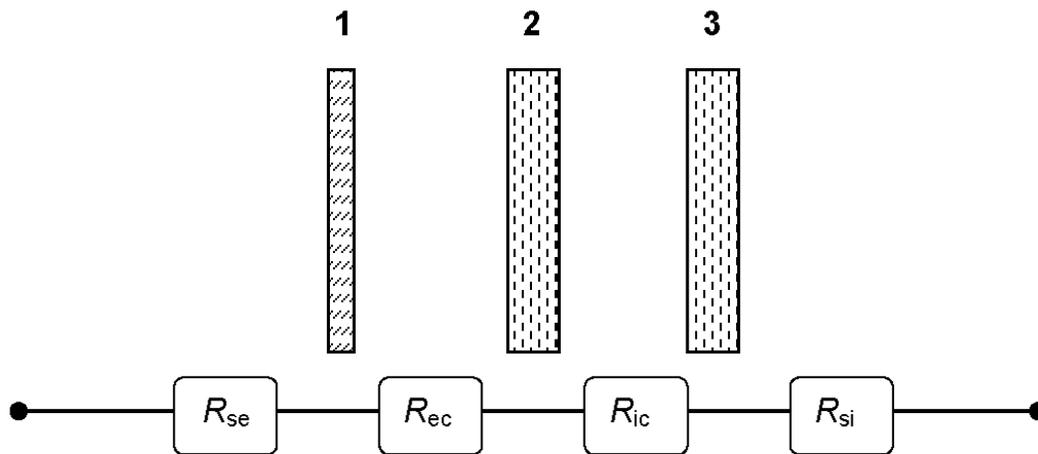
Key

1   shading device

2   external pane

3   internal pane

Figure 2 — Double pane window glazing with external shading

Thermal resistances including convection and long wave radiation:

— external surface $R_{se} = 0{,}043\ 5$ m^2·K/W;

— cavity between external blind and external pane $R_{ec} = 0{,}080$ m^2·K/W;

— cavity between external pane and internal pane $R_{ic} = 0{,}173$ m^2·K/W;

— internal surface $R_{si} = 0{,}125$ m^2·K/W.

Thermal transmittance of the glazing system $U_g = 2{,}37$ W/(m^2·K).

Total solar energy transmittance of the glazing system $g = 0{,}20$;

b)   DP - Double pane glass without external shading device (Figure 3):

thermal resistances:

— external surface $R_{se} = 0{,}043\ 5$ m^2 K/W;

— cavity between external pane and internal pane $R_{ic} = 0{,}173$ m^2 K/W;

— internal surface $R_{si} = 0{,}125$ m^2 K/W.

Thermal transmittance of the glazing system $U_g = 2{,}93$ W/(m^{2}K).

Total solar energy transmittance of the glazing system $g = 0,77$.
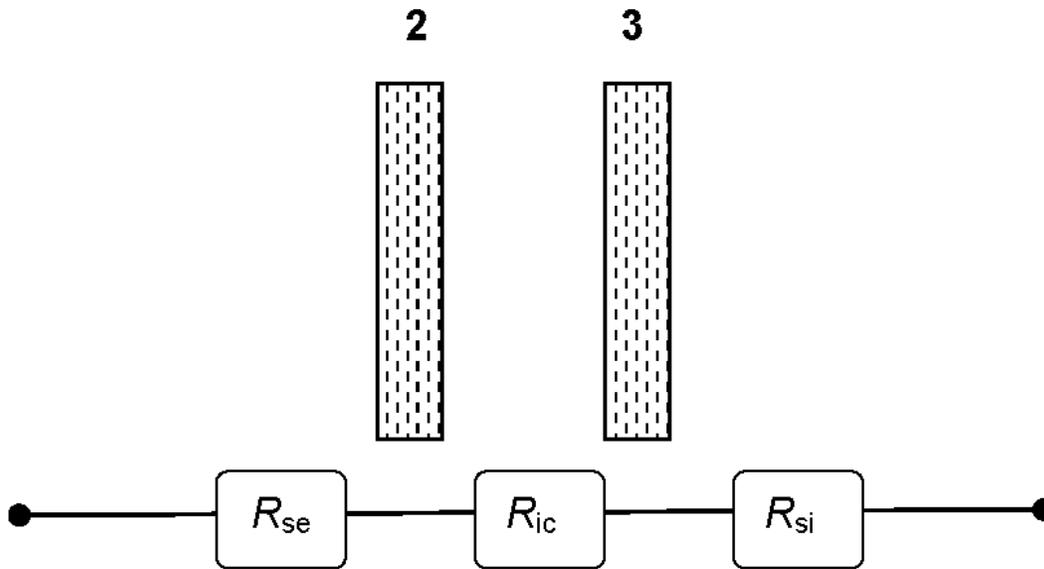
Key

2   external pane

3   internal pane

Figure 3 — Double pane window glazing without shading device

The thermophysical characteristics of the walls, ceiling and floor are given in Table 4.

Table 4 — Thermophysical properties of the opaque components
(order of layers from external to internal)

| | d | λ | ρ | c_p |
	m	W/(m·K)	kg/m³	kJ/(kg·K)
Type 1 (external wall)				
outer layer	0,115	0,99	1 800	0,85
insulating layer	0,06	0,04	30	0,85
masonry	0,175	0,79	1 600	0,85
internal plastering	0,015	0,70	1 400	0,85
Type 2 (internal wall)				
gypsum plaster	0,012	0,21	900	0,85
mineral wool	0,10	0,04	30	0,85
gypsum plaster	0,012	0,21	900	0,85
Type 3c (ceiling)				
plastic covering	0,004	0,23	1 500	1,5
cement floor	0,06	1,40	2 000	0,85
mineral wool	0,04	0,04	50	0,85
concrete	0,18	2,10	2 400	0,85

(*to be continued*)

Table 4 (*concluded*)

	d m	λ W/(m·K)	ρ kg/m³	c_p kJ/(kg·K)
Type 3f (floor)				
concrete	0,18	2,10	2 400	0,85
mineral wool	0,04	0,04	50	0,85
cement floor	0,06	1,40	2 000	0,85
plastic covering	0,004	0,23	1 500	1,5
Type 4c (ceiling/roof)				
plastic covering	0,004	0,23	1 500	1,5
cement floor	0,06	1,40	2 000	0,85
mineral wool	0,04	0,04	50	0,85
concrete	0,18	2,10	2 400	0,85
mineral wool	0,10	0,04	50	0,85
acoustic board	0,02	0,06	400	0,84
Type 4f (floor)				
acoustic board	0,02	0,06	400	0,84
mineral wool	0,10	0,04	50	0,85
concrete	0,18	2,10	2 400	0,85
mineral wool	0,04	0,04	50	0,85
cement floor	0,06	1,40	2 000	0,85
plastic covering	0,004	0,23	1 500	1,5
Type 5 (roof)				
rain protection	0,004	0,23	1 500	1,3
insulating	0,08	0,04	50	0,85
concrete	0,20	2,1	2 400	0,85

The hourly mean values of climatic data are given in Annex A, starting on 1 January and ending on 31 December.

The values of the solar radiation correspond to solar power calculated at each hour, for solar distribution a solar to air factor f_{sa} = 0.1 and a solar loss factor f_{lf} = 0 is used.

The latitude is 49° and the values are given in solar time.

Ventilation is by external air.

The first day of the year is a Monday.

The initial temperatures of all structural elements (at the beginning of the calculation on Monday 1 January, 00:00 h solar time) are set to 18 °C.

In the validation tests the external radiant temperature is assumed to be equal to the external air temperature.

8.3 Test cases description

8.3.1 Initial tests

The initial tests are not mandatory, but can be used to check the basic operation of a calculation method.

Test 1: reference case

Test	External opaque wall	Glazing system	Adiabatic internal vertical wall	Adiabatic ceiling	Adiabatic floor
1	Type 1	Shaded DP	Type 2	Type 4c	Type 4f

internal gains   20 W/m² convective; per floor area, from 8,00 h to 18,00 h during weekdays;

ventilation   1 air change per hour from 08:00 to 18:00 during weekdays;

infiltration   0;

system   air temperature control; continuous operation all days of the week;

                         set point for heating : 20 °C with no dead band (d.b. = 0);

                         set point for cooling : 26 °C with no dead band (d.b. = 0);

glazing system : with external shade (Shaded DP);

thermal bridges neglected.

The time schedules for this and all other tests are given in legal time, which is 2 h ahead of solar time in summer (hour 1 996 to hour 7 032) and 1 h ahead of solar time in winter.

Test 2: as test 1 + change inertia

Test	External opaque wall	Glazing system	Adiabatic internal vertical wall	Adiabatic ceiling	Adiabatic floor
2	Type 1	Shaded DP	Type 2	Type 3c	Type 3f

Test 3: as test 1 + no internal gains.

Test 4: as test 1 + no solar protection

Test	External opaque wall	Glazing system	Adiabatic internal vertical wall	Adiabatic ceiling	Adiabatic floor
4	Type 1	DP	Type 2	Type 4c	Type 4f

8.3.2   Validation tests

Test 5 : as test 1 + intermittent heating and cooling with unlimited power.

Heating and cooling are used only from 08:00 to 18:00 from Monday to Friday.

Test 6: as test 2 + intermittent heating and cooling as for test 5.

Test 7: as test 3 + intermittent heating and cooling as for test 5.

Test 8: as test 4 + intermittent heating and cooling as for test 5.

Test 9: as test 5 + external roof

Test	External opaque wall	Glazing system	Adiabatic internal vertical wall	Roof	Adiabatic floor
9	Type 1	Shaded DP	Type 2	Type 5	Type 4f

Test 10: as test 6 + external roof

Test	External opaque wall	Glazing system	Adiabatic internal vertical wall	Roof	Adiabatic floor
10	Type 1	Shaded DP	Type 2	Type 5	Type 3f

Test 11: as test 7 + external roof

Test	External opaque wall	Glazing system	Adiabatic internal vertical wall	Roof	Adiabatic floor
11	Type 1	Shaded DP	Type 2	Type 5	Type 4f

Test 12: as test 8 + external roof

Test nr	External opaque wall	Glazing system	Adiabatic internal vertical wall	Roof	Adiabatic floor
12	Type 1	DP	Type 2	Type 5	Type 4f

9 Validation criteria and reference results

The results for heating, Q_H, and cooling, Q_C, (expressed in kWh) are provided for the complete year (the hourly pattern of the calculated internal temperatures is not part of the validation) and compared to reference values by calculating:

$rQ_H = \text{abs}(Q_H - Q_{H,ref}) / Q_{tot,ref}$

$rQ_C = \text{abs}(Q_C - Q_{C,ref}) / Q_{tot,ref}$

where abs() is the absolute value.

Three levels of accuracy can be checked with levels: A, B, C. The validation tests are complied if for each of the cases 5 to 12:

Level A : $rQ_H \leq 0,05$ and $rQ_C \leq 0,05$;

Level B : $rQ_H \leq 0,10$ and $rQ_C \leq 0,10$;

Level C : $rQ_H \leq 0,15$ and $rQ_C \leq 0,15$.

The reference results are given in Tables 5 and 6.

Table 5 — Reference results for tests 1 to 4 (informative)

Test	$Q_{H,ref}$	$Q_{C,ref}$	$Q_{tot,ref}$
	kWh	kWh	kWh
1	748,0	233,8	981,8
2	722,7	200,5	923,2
3	1 368,5	43,0	1 411,6
4	567,4	1 530,9	2 098,3

Table 6 — Reference results for tests 5 to 12 (normative)

Test	$Q_{H,ref}$	$Q_{C,ref}$	$Q_{tot,ref}$
	kWh	kWh	kWh
5	463,1	201,7	664,8
6	509,8	185,1	694,9
7	1 067,4	19,5	1 086,9
8	313,2	1 133,2	1 446,4
9	747,1	158,3	905,4
10	574,2	192,4	766,6
11	1 395,1	14,1	1 409,3
12	533,5	928,3	1 461,8

10 Validation test report

10.1 General

The validation test report shall include all necessary information to allow the calculations to be repeated. The sources of all input data, the calculation program version used and the calculated results shall be reported.

10.2 Input data

The report of the calculation shall contain the following information:

— geometrical data of the envelope elements used;

— boundary conditions of each element (internal and external);

— thermal properties of the materials of the components;

— optical properties of the transparent components;

— hourly profiles of solar shading, internal gains, infiltration and ventilation;

— hourly profiles of the temperature set points for heating and cooling;

— assumptions made for internal solar distribution.

10.3 Output results

The calculated energy needs for heating and cooling shall be given on monthly basis and for the whole year.

The yearly values for heating and cooling energy needs and the total sum of both shall be compared with the reference results given in Clause 9. From the criteria given in Clause 8 the classification level A, B or C shall be determined.

Annex A
(normative)

Climatic data for the validation examples

Data

Time: Hour of the year starting 1 January

$\theta_{a,e}$ External air temperature in °C

DirN   Direct normal solar radiation in W/m^2

DifH   Diffuse horizontal solar radiation in W/m^2

GWest   Global solar radiation on a vertical, west facing wall in W/m^2

Filename   Annex A.prn

Location   Trappes, France (49°N, 2°E)

Time	$\theta_{a,e}$	DirN	DifH	GWest
h	°C	W/m2	W/m2	W/m2
1	4.7	0.0	0.0	0.0
2	4.6	0.0	0.0	0.0
3	4.5	0.0	0.0	0.0
4	4.5	0.0	0.0	0.0
5	4.2	0.0	0.0	0.0
6	3.6	0.0	0.0	0.0
7	3.5	0.0	0.0	0.0
8	3.4	0.0	0.0	0.0
9	3.0	5.6	21.8	13.1
10	2.9	0.5	16.6	10.0
11	3.2	3.1	57.5	34.6
12	3.6	7.1	97.8	58.9
13	4.0	2.1	54.9	33.3
14	4.2	5.1	73.7	46.1
15	4.6	5.6	54.5	36.0
16	5.0	1.4	11.0	7.6
17	4.9	0.0	0.0	0.0
18	4.6	0.0	0.0	0.0
19	4.4	0.0	0.0	0.0
20	4.2	0.0	0.0	0.0
21	4.1	0.0	0.0	0.0
22	4.1	0.0	0.0	0.0
23	4.0	0.0	0.0	0.0
24	3.9	0.0	0.0	0.0
25	3.7	0.0	0.0	0.0
26	3.6	0.0	0.0	0.0
27	3.5	0.0	0.0	0.0
28	3.2	0.0	0.0	0.0
29	3.2	0.0	0.0	0.0
30	2.6	0.0	0.0	0.0
31	2.2	0.0	0.0	0.0
32	2.7	0.0	0.0	0.0
33	2.9	1.4	11.0	6.6
34	3.0	3.1	41.1	24.7
35	3.3	3.0	57.5	34.6
36	3.4	0.5	27.6	16.6
37	3.2	3.2	68.5	41.6
38	3.2	2.5	52.1	32.2
39	2.9	5.6	54.5	35.9
40	2.5	1.4	11.0	7.6
41	2.2	0.0	0.0	0.0
42	2.3	0.0	0.0	0.0
43	2.4	0.0	0.0	0.0
44	2.6	0.0	0.0	0.0
45	2.9	0.0	0.0	0.0
46	3.0	0.0	0.0	0.0
47	3.2	0.0	0.0	0.0
48	3.3	0.0	0.0	0.0
49	3.4	0.0	0.0	0.0
50	3.4	0.0	0.0	0.0
51	3.4	0.0	0.0	0.0
52	3.3	0.0	0.0	0.0
53	3.1	0.0	0.0	0.0
54	3.3	0.0	0.0	0.0
55	3.3	0.0	0.0	0.0
56	2.6	0.0	0.0	0.0
57	1.8	23.2	31.5	19.1
58	1.7	1.1	24.8	14.9
59	1.6	3.3	60.2	36.2
60	1.4	0.5	27.6	16.6
61	1.6	3.7	73.8	44.9
62	1.8	1.2	35.8	21.9
63	1.8	0.3	13.8	8.5
64	1.7	1.3	11.0	7.6
65	1.8	0.0	0.0	0.0
66	1.9	0.0	0.0	0.0
67	1.6	0.0	0.0	0.0
68	1.4	0.0	0.0	0.0
69	1.3	0.0	0.0	0.0
70	1.2	0.0	0.0	0.0
71	1.2	0.0	0.0	0.0
72	1.2	0.0	0.0	0.0
73	1.2	0.0	0.0	0.0
74	1.2	0.0	0.0	0.0
75	1.2	0.0	0.0	0.0
76	1.0	0.0	0.0	0.0
77	1.2	0.0	0.0	0.0
78	1.5	0.0	0.0	0.0
79	1.7	0.0	0.0	0.0
80	2.3	0.0	0.0	0.0
81	2.8	1.3	11.0	6.6
82	3.0	0.5	16.6	10.0
83	3.1	6.6	84.3	50.8
84	3.8	31.0	132.0	80.2
85	4.2	1.0	38.6	23.3
86	3.5	0.4	22.1	13.4
87	2.6	0.3	13.8	8.5
88	1.6	9.1	27.1	23.0
89	0.7	0.0	0.0	0.0
90	0.1	0.0	0.0	0.0
91	0.3	0.0	0.0	0.0

92	0.3	0.0	0.0	0.0	150	3.8	0.0	0.0	0.0	208	1.8	3.1	19.2	13.8
93	0.5	0.0	0.0	0.0	151	4.1	0.0	0.0	0.0	209	1.7	0.0	0.0	0.0
94	1.1	0.0	0.0	0.0	152	4.1	0.0	0.0	0.0	210	1.7	0.0	0.0	0.0
95	1.5	0.0	0.0	0.0	153	3.7	0.3	5.5	3.3	211	1.7	0.0	0.0	0.0
96	1.5	0.0	0.0	0.0	154	3.8	5.6	57.2	34.4	212	1.6	0.0	0.0	0.0
97	1.3	0.0	0.0	0.0	155	3.9	1.7	44.0	26.4	213	1.7	0.0	0.0	0.0
98	1.1	0.0	0.0	0.0	156	4.1	1.8	52.2	31.4	214	1.7	0.0	0.0	0.0
99	0.9	0.0	0.0	0.0	157	4.7	0.5	27.6	16.6	215	1.6	0.0	0.0	0.0
100	0.9	0.0	0.0	0.0	158	5.1	0.4	22.1	13.4	216	1.5	0.0	0.0	0.0
101	0.6	0.0	0.0	0.0	159	5.3	3.7	46.5	30.0	217	1.4	0.0	0.0	0.0
102	0.3	0.0	0.0	0.0	160	5.3	2.5	16.5	11.7	218	1.3	0.0	0.0	0.0
103	0.7	0.0	0.0	0.0	161	5.3	0.0	0.0	0.0	219	1.2	0.0	0.0	0.0
104	1.0	0.0	0.0	0.0	162	5.4	0.0	0.0	0.0	220	1.0	0.0	0.0	0.0
105	1.6	1.9	13.7	8.3	163	5.4	0.0	0.0	0.0	221	1.3	0.0	0.0	0.0
106	2.1	1.6	30.3	18.2	164	5.3	0.0	0.0	0.0	222	1.9	0.0	0.0	0.0
107	2.7	3.5	62.9	37.9	165	5.1	0.0	0.0	0.0	223	2.3	0.0	0.0	0.0
108	3.5	549.3	105.9	80.7	166	4.9	0.0	0.0	0.0	224	2.9	0.0	0.0	0.0
109	4.1	33.2	134.1	85.5	167	4.7	0.0	0.0	0.0	225	3.0	1.5	13.8	8.3
110	4.2	20.3	108.4	72.8	168	4.6	0.0	0.0	0.0	226	3.5	6.4	62.6	37.7
111	4.3	98.5	92.1	112.5	169	4.4	0.0	0.0	0.0	227	4.5	0.5	24.9	14.9
112	4.6	0.3	5.5	3.5	170	4.2	0.0	0.0	0.0	228	5.2	0.5	27.6	16.6
113	4.4	0.0	0.0	0.0	171	4.1	0.0	0.0	0.0	229	5.5	3.7	76.6	46.5
114	3.9	0.0	0.0	0.0	172	3.8	0.0	0.0	0.0	230	5.8	7.6	92.3	58.3
115	3.4	0.0	0.0	0.0	173	3.5	0.0	0.0	0.0	231	6.4	0.3	13.8	8.5
116	3.2	0.0	0.0	0.0	174	4.4	0.0	0.0	0.0	232	6.8	1.0	11.0	7.3
117	3.0	0.0	0.0	0.0	175	5.5	0.0	0.0	0.0	233	6.9	0.0	0.0	0.0
118	2.8	0.0	0.0	0.0	176	5.8	0.0	0.0	0.0	234	6.7	0.0	0.0	0.0
119	2.4	0.0	0.0	0.0	177	6.1	4.2	21.9	13.2	235	7.0	0.0	0.0	0.0
120	2.0	0.0	0.0	0.0	178	6.0	146.5	95.9	60.4	236	7.4	0.0	0.0	0.0
121	1.8	0.0	0.0	0.0	179	5.7	117.8	133.9	83.6	237	7.7	0.0	0.0	0.0
122	1.7	0.0	0.0	0.0	180	6.0	5.2	90.0	54.2	238	8.0	0.0	0.0	0.0
123	1.6	0.0	0.0	0.0	181	6.2	0.5	27.6	16.6	239	8.3	0.0	0.0	0.0
124	1.6	0.0	0.0	0.0	182	6.1	4.6	73.7	46.0	240	8.5	0.0	0.0	0.0
125	1.7	0.0	0.0	0.0	183	6.5	33.2	85.1	70.4	241	8.7	0.0	0.0	0.0
126	1.4	0.0	0.0	0.0	184	6.6	0.3	5.5	3.5	242	8.7	0.0	0.0	0.0
127	1.2	0.0	0.0	0.0	185	6.7	0.0	0.0	0.0	243	8.7	0.0	0.0	0.0
128	1.2	0.0	0.0	0.0	186	6.8	0.0	0.0	0.0	244	8.6	0.0	0.0	0.0
129	0.8	1.2	11.0	6.6	187	6.9	0.0	0.0	0.0	245	9.0	0.0	0.0	0.0
130	0.7	4.7	51.9	31.2	188	7.2	0.0	0.0	0.0	246	8.8	0.0	0.0	0.0
131	1.0	2.9	57.5	34.6	189	7.1	0.0	0.0	0.0	247	7.9	0.0	0.0	0.0
132	1.4	0.5	27.6	16.6	190	6.6	0.0	0.0	0.0	248	7.8	0.0	0.0	0.0
133	1.8	5.1	87.3	53.1	191	6.1	0.0	0.0	0.0	249	7.9	4.6	24.6	14.8
134	1.9	0.4	22.1	13.4	192	5.8	0.0	0.0	0.0	250	8.2	37.6	89.5	54.5
135	2.0	1.3	27.5	17.3	193	5.7	0.0	0.0	0.0	251	9.2	89.6	135.6	83.9
136	2.2	3.5	19.2	14.1	194	5.5	0.0	0.0	0.0	252	9.9	14.6	123.0	74.3
137	2.3	0.0	0.0	0.0	195	5.3	0.0	0.0	0.0	253	9.6	165.2	157.2	119.7
138	2.2	0.0	0.0	0.0	196	5.2	0.0	0.0	0.0	254	8.9	31.9	121.5	85.1
139	2.1	0.0	0.0	0.0	197	4.6	0.0	0.0	0.0	255	8.8	2.6	41.1	26.2
140	2.0	0.0	0.0	0.0	198	3.3	0.0	0.0	0.0	256	9.0	9.9	32.4	26.8
141	2.2	0.0	0.0	0.0	199	2.7	0.0	0.0	0.0	257	9.0	0.0	0.0	0.0
142	2.5	0.0	0.0	0.0	200	2.7	0.0	0.0	0.0	258	8.4	0.0	0.0	0.0
143	2.8	0.0	0.0	0.0	201	2.4	2.3	16.5	9.9	259	7.9	0.0	0.0	0.0
144	3.0	0.0	0.0	0.0	202	2.0	1.0	24.8	14.9	260	6.8	0.0	0.0	0.0
145	3.2	0.0	0.0	0.0	203	2.0	8.7	94.8	57.1	261	5.8	0.0	0.0	0.0
146	3.4	0.0	0.0	0.0	204	2.0	0.5	27.6	16.6	262	5.9	0.0	0.0	0.0
147	3.6	0.0	0.0	0.0	205	2.0	21.5	129.2	80.8	263	6.0	0.0	0.0	0.0
148	3.5	0.0	0.0	0.0	206	2.0	6.5	87.1	54.7	264	5.8	0.0	0.0	0.0
149	3.6	0.0	0.0	0.0	207	1.9	2.7	41.1	26.3	265	5.6	0.0	0.0	0.0

266	5.7	0.0	0.0	0.0	324	0.5	4.8	90.1	54.2	382	3.9	0.0	0.0	0.0
267	5.7	0.0	0.0	0.0	325	0.9	5.4	95.4	58.1	383	4.2	0.0	0.0	0.0
268	5.6	0.0	0.0	0.0	326	0.8	152.0	141.5	143.5	384	4.0	0.0	0.0	0.0
269	5.4	0.0	0.0	0.0	327	1.0	311.3	94.7	239.8	385	3.8	0.0	0.0	0.0
270	5.8	0.0	0.0	0.0	328	1.4	27.0	41.7	45.2	386	3.6	0.0	0.0	0.0
271	6.1	0.0	0.0	0.0	329	1.6	0.0	0.0	0.0	387	3.5	0.0	0.0	0.0
272	6.0	0.0	0.0	0.0	330	1.5	0.0	0.0	0.0	388	2.9	0.0	0.0	0.0
273	6.4	129.7	46.0	28.8	331	1.7	0.0	0.0	0.0	389	2.7	0.0	0.0	0.0
274	6.4	299.8	93.2	62.1	332	1.6	0.0	0.0	0.0	390	3.1	0.0	0.0	0.0
275	6.2	1.9	49.5	29.7	333	1.2	0.0	0.0	0.0	391	3.0	0.0	0.0	0.0
276	6.6	0.6	30.4	18.2	334	1.3	0.0	0.0	0.0	392	3.0	0.0	0.0	0.0
277	6.8	178.4	157.9	122.2	335	1.4	0.0	0.0	0.0	393	2.7	4.2	27.3	16.4
278	6.5	2.6	57.6	35.6	336	1.3	0.0	0.0	0.0	394	2.5	6.3	68.0	41.0
279	5.9	11.8	75.3	52.1	337	1.1	0.0	0.0	0.0	395	3.0	93.2	144.0	89.2
280	5.1	6.7	29.9	23.0	338	0.8	0.0	0.0	0.0	396	3.2	5.1	95.5	57.5
281	4.6	0.0	0.0	0.0	339	0.5	0.0	0.0	0.0	397	3.3	7.4	111.3	68.0
282	4.6	0.0	0.0	0.0	340	0.5	0.0	0.0	0.0	398	3.4	4.8	81.9	51.0
283	4.4	0.0	0.0	0.0	341	1.0	0.0	0.0	0.0	399	3.4	0.4	16.6	10.2
284	4.2	0.0	0.0	0.0	342	1.3	0.0	0.0	0.0	400	3.5	7.5	35.3	26.8
285	3.9	0.0	0.0	0.0	343	1.3	0.0	0.0	0.0	401	3.1	0.0	0.0	0.0
286	3.3	0.0	0.0	0.0	344	1.5	0.0	0.0	0.0	402	2.3	0.0	0.0	0.0
287	2.9	0.0	0.0	0.0	345	1.3	137.3	49.7	31.2	403	2.1	0.0	0.0	0.0
288	2.7	0.0	0.0	0.0	346	1.3	15.9	82.7	49.9	404	2.4	0.0	0.0	0.0
289	2.4	0.0	0.0	0.0	347	2.0	1.4	44.0	26.5	405	2.3	0.0	0.0	0.0
290	2.2	0.0	0.0	0.0	348	3.3	20.6	134.7	81.5	406	2.2	0.0	0.0	0.0
291	2.0	0.0	0.0	0.0	349	4.2	4.4	87.4	53.1	407	2.1	0.0	0.0	0.0
292	2.0	0.0	0.0	0.0	350	4.4	43.8	131.5	95.8	408	1.9	0.0	0.0	0.0
293	2.1	0.0	0.0	0.0	351	4.5	72.1	101.1	103.1	409	1.8	0.0	0.0	0.0
294	1.7	0.0	0.0	0.0	352	4.5	9.0	35.2	27.9	410	1.8	0.0	0.0	0.0
295	1.4	0.0	0.0	0.0	353	4.0	0.0	0.0	0.0	411	1.8	0.0	0.0	0.0
296	1.1	0.0	0.0	0.0	354	3.5	0.0	0.0	0.0	412	2.2	0.0	0.0	0.0
297	0.5	647.3	28.4	23.2	355	3.1	0.0	0.0	0.0	413	2.1	0.0	0.0	0.0
298	0.9	417.3	84.3	59.3	356	2.5	0.0	0.0	0.0	414	1.8	0.0	0.0	0.0
299	1.0	63.6	134.3	82.4	357	2.2	0.0	0.0	0.0	415	1.9	0.0	0.0	0.0
300	1.5	5.5	95.4	57.4	358	2.1	0.0	0.0	0.0	416	2.0	0.0	0.0	0.0
301	2.3	120.9	159.9	114.6	359	2.1	0.0	0.0	0.0	417	2.5	6.9	35.3	21.3
302	2.2	5.6	84.5	52.8	360	2.0	0.0	0.0	0.0	418	3.4	2.2	41.2	24.8
303	2.9	28.7	88.4	69.9	361	1.7	0.0	0.0	0.0	419	4.2	1.2	41.3	24.8
304	3.1	92.1	46.6	96.8	362	1.4	0.0	0.0	0.0	420	4.4	0.5	30.4	18.2
305	2.2	0.0	0.0	0.0	363	1.1	0.0	0.0	0.0	421	4.7	5.3	98.2	59.7
306	1.8	0.0	0.0	0.0	364	1.1	0.0	0.0	0.0	422	5.4	5.4	87.2	54.4
307	1.6	0.0	0.0	0.0	365	1.5	0.0	0.0	0.0	423	5.7	27.3	93.8	72.5
308	1.3	0.0	0.0	0.0	366	2.0	0.0	0.0	0.0	424	5.9	1.9	19.2	13.0
309	1.3	0.0	0.0	0.0	367	1.8	0.0	0.0	0.0	425	6.2	0.0	0.0	0.0
310	1.3	0.0	0.0	0.0	368	2.2	0.0	0.0	0.0	426	6.3	0.0	0.0	0.0
311	1.1	0.0	0.0	0.0	369	2.5	63.1	48.9	30.0	427	6.5	0.0	0.0	0.0
312	1.0	0.0	0.0	0.0	370	3.0	406.2	88.7	62.0	428	6.6	0.0	0.0	0.0
313	0.7	0.0	0.0	0.0	371	3.6	1.6	46.8	28.1	429	6.6	0.0	0.0	0.0
314	0.6	0.0	0.0	0.0	372	3.8	87.9	161.7	100.0	430	6.7	0.0	0.0	0.0
315	0.4	0.0	0.0	0.0	373	4.0	291.0	153.6	137.4	431	6.8	0.0	0.0	0.0
316	0.4	0.0	0.0	0.0	374	3.5	0.8	33.1	20.2	432	6.9	0.0	0.0	0.0
317	0.2	0.0	0.0	0.0	375	2.9	0.4	16.6	10.2	433	6.9	0.0	0.0	0.0
318	-0.1	0.0	0.0	0.0	376	2.6	3.6	24.6	17.4	434	6.9	0.0	0.0	0.0
319	-0.3	0.0	0.0	0.0	377	2.2	0.0	0.0	0.0	435	6.9	0.0	0.0	0.0
320	-0.6	0.0	0.0	0.0	378	2.1	0.0	0.0	0.0	436	6.7	0.0	0.0	0.0
321	-0.9	126.6	48.4	30.3	379	2.2	0.0	0.0	0.0	437	6.4	0.0	0.0	0.0
322	-1.0	26.9	88.7	53.8	380	2.6	0.0	0.0	0.0	438	6.2	0.0	0.0	0.0
323	-0.5	0.6	27.6	16.6	381	3.5	0.0	0.0	0.0	439	6.2	0.0	0.0	0.0

440	6.2	0.0	0.0	0.0	498	5.8	0.0	0.0	0.0	556	4.8	0.0	0.0	0.0
441	6.1	6.4	35.4	21.3	499	5.2	0.0	0.0	0.0	557	4.2	0.0	0.0	0.0
442	5.6	5.0	62.8	37.8	500	5.1	0.0	0.0	0.0	558	4.4	0.0	0.0	0.0
443	5.4	197.8	147.2	94.4	501	4.5	0.0	0.0	0.0	559	4.9	0.0	0.0	0.0
444	5.8	0.7	35.9	21.5	502	3.8	0.0	0.0	0.0	560	5.8	0.0	0.0	0.0
445	5.8	3.4	79.4	48.2	503	3.3	0.0	0.0	0.0	561	6.7	0.5	11.1	6.6
446	5.7	3.2	68.5	42.3	504	3.1	0.0	0.0	0.0	562	6.8	48.3	110.3	67.4
447	5.6	1.1	30.3	18.9	505	3.0	0.0	0.0	0.0	563	7.6	42.5	144.4	88.0
448	5.5	0.3	8.3	5.2	506	3.0	0.0	0.0	0.0	564	8.4	6.1	111.7	67.2
449	4.9	0.0	0.0	0.0	507	3.0	0.0	0.0	0.0	565	8.6	128.0	177.8	127.1
450	3.9	0.0	0.0	0.0	508	3.0	0.0	0.0	0.0	566	8.5	29.4	137.6	94.1
451	3.6	0.0	0.0	0.0	509	2.6	0.0	0.0	0.0	567	7.8	17.6	95.7	67.9
452	3.3	0.0	0.0	0.0	510	2.2	0.0	0.0	0.0	568	6.8	65.2	60.9	86.1
453	3.3	0.0	0.0	0.0	511	2.3	0.0	0.0	0.0	569	6.3	0.0	0.0	0.0
454	3.6	0.0	0.0	0.0	512	2.9	0.0	0.0	0.0	570	6.0	0.0	0.0	0.0
455	3.7	0.0	0.0	0.0	513	3.2	559.0	41.4	31.6	571	5.4	0.0	0.0	0.0
456	3.5	0.0	0.0	0.0	514	3.8	55.9	108.9	66.6	572	5.1	0.0	0.0	0.0
457	3.1	0.0	0.0	0.0	515	5.1	261.3	147.0	96.5	573	4.9	0.0	0.0	0.0
458	2.9	0.0	0.0	0.0	516	6.0	930.4	66.4	73.1	574	4.7	0.0	0.0	0.0
459	2.8	0.0	0.0	0.0	517	6.4	937.0	66.8	188.5	575	4.8	0.0	0.0	0.0
460	2.7	0.0	0.0	0.0	518	6.4	417.6	127.6	239.9	576	4.9	0.0	0.0	0.0
461	3.1	0.0	0.0	0.0	519	5.4	213.2	112.9	194.8	577	5.1	0.0	0.0	0.0
462	3.5	0.0	0.0	0.0	520	4.4	689.5	33.5	542.6	578	5.2	0.0	0.0	0.0
463	3.6	0.0	0.0	0.0	521	3.4	0.0	0.0	0.0	579	5.2	0.0	0.0	0.0
464	3.6	0.0	0.0	0.0	522	1.9	0.0	0.0	0.0	580	5.8	0.0	0.0	0.0
465	3.4	0.9	13.8	8.3	523	1.1	0.0	0.0	0.0	581	5.8	0.0	0.0	0.0
466	3.0	11.5	83.4	50.3	524	0.7	0.0	0.0	0.0	582	5.0	0.0	0.0	0.0
467	3.0	3.7	73.9	44.4	525	0.0	0.0	0.0	0.0	583	4.4	0.0	0.0	0.0
468	3.7	1.3	49.6	29.8	526	-0.4	0.0	0.0	0.0	584	3.5	0.0	0.0	0.0
469	4.4	7.9	116.7	71.2	527	-0.8	0.0	0.0	0.0	585	2.7	6.1	40.9	24.6
470	4.7	1.1	41.3	25.2	528	-1.4	0.0	0.0	0.0	586	3.0	350.5	106.8	72.7
471	4.8	0.9	27.6	17.1	529	-1.8	0.0	0.0	0.0	587	3.4	40.1	145.1	88.3
472	4.7	3.5	27.4	19.1	530	-2.2	0.0	0.0	0.0	588	3.3	0.6	35.9	21.6
473	4.3	0.0	0.0	0.0	531	-2.4	0.0	0.0	0.0	589	3.3	308.2	165.5	148.6
474	4.1	0.0	0.0	0.0	532	-2.4	0.0	0.0	0.0	590	3.9	653.7	94.6	314.2
475	4.0	0.0	0.0	0.0	533	-2.1	0.0	0.0	0.0	591	4.7	39.9	109.5	89.6
476	3.9	0.0	0.0	0.0	534	-1.7	0.0	0.0	0.0	592	5.0	11.4	48.5	37.7
477	3.8	0.0	0.0	0.0	535	-1.5	0.0	0.0	0.0	593	4.9	0.0	0.0	0.0
478	3.6	0.0	0.0	0.0	536	-1.0	0.0	0.0	0.0	594	4.8	0.0	0.0	0.0
479	3.4	0.0	0.0	0.0	537	-0.3	1.9	22.0	13.2	595	4.5	0.0	0.0	0.0
480	3.3	0.0	0.0	0.0	538	0.6	1.6	38.5	23.1	596	4.2	0.0	0.0	0.0
481	3.1	0.0	0.0	0.0	539	1.3	3.7	76.6	46.1	597	4.0	0.0	0.0	0.0
482	3.0	0.0	0.0	0.0	540	1.9	3.5	84.8	51.0	598	3.6	0.0	0.0	0.0
483	2.9	0.0	0.0	0.0	541	2.6	4.3	92.9	56.4	599	3.4	0.0	0.0	0.0
484	2.6	0.0	0.0	0.0	542	3.1	2.1	57.7	35.4	600	3.1	0.0	0.0	0.0
485	3.1	0.0	0.0	0.0	543	3.7	1.6	38.5	24.1	601	2.6	0.0	0.0	0.0
486	3.7	0.0	0.0	0.0	544	4.2	3.0	27.4	18.7	602	2.2	0.0	0.0	0.0
487	3.8	0.0	0.0	0.0	545	4.3	0.0	0.0	0.0	603	1.9	0.0	0.0	0.0
488	4.2	0.0	0.0	0.0	546	4.4	0.0	0.0	0.0	604	1.7	0.0	0.0	0.0
489	4.3	517.7	42.8	31.7	547	4.4	0.0	0.0	0.0	605	2.2	0.0	0.0	0.0
490	5.1	392.0	96.6	67.0	548	4.5	0.0	0.0	0.0	606	2.8	0.0	0.0	0.0
491	6.5	688.4	85.2	72.6	549	4.6	0.0	0.0	0.0	607	3.7	0.0	0.0	0.0
492	7.6	783.4	80.8	76.2	550	4.6	0.0	0.0	0.0	608	4.3	0.0	0.0	0.0
493	8.0	591.4	113.3	161.4	551	4.7	0.0	0.0	0.0	609	4.1	181.7	66.4	42.3
494	8.8	568.3	103.7	284.1	552	4.8	0.0	0.0	0.0	610	4.0	131.4	122.2	76.6
495	9.0	120.7	113.3	139.7	553	4.9	0.0	0.0	0.0	611	4.7	312.3	148.1	99.2
496	8.1	24.8	49.8	48.6	554	4.9	0.0	0.0	0.0	612	5.9	1.4	55.0	33.1
497	7.1	0.0	0.0	0.0	555	4.9	0.0	0.0	0.0	613	6.5	446.6	145.4	159.0

614	6.5	0.5	30.4	18.4
615	6.7	165.3	121.9	172.4
616	7.2	5.7	40.9	28.9
617	7.6	0.0	0.0	0.0
618	7.7	0.0	0.0	0.0
619	7.8	0.0	0.0	0.0
620	7.7	0.0	0.0	0.0
621	7.8	0.0	0.0	0.0
622	7.9	0.0	0.0	0.0
623	7.6	0.0	0.0	0.0
624	7.2	0.0	0.0	0.0
625	6.7	0.0	0.0	0.0
626	6.3	0.0	0.0	0.0
627	6.0	0.0	0.0	0.0
628	5.3	0.0	0.0	0.0
629	4.5	0.0	0.0	0.0
630	4.8	0.0	0.0	0.0
631	4.9	0.0	0.0	0.0
632	4.2	0.0	0.0	0.0
633	4.0	2.4	27.4	16.5
634	3.8	6.9	81.6	49.1
635	4.1	2.9	71.2	42.8
636	4.3	12.7	139.6	84.2
637	4.1	1.5	57.8	34.9
638	4.5	4.4	87.4	54.2
639	4.8	79.4	121.2	120.5
640	4.2	7.4	46.2	33.4
641	3.2	0.0	0.0	0.0
642	3.0	0.0	0.0	0.0
643	2.6	0.0	0.0	0.0
644	2.0	0.0	0.0	0.0
645	1.8	0.0	0.0	0.0
646	1.8	0.0	0.0	0.0
647	1.7	0.0	0.0	0.0
648	1.7	0.0	0.0	0.0
649	1.6	0.0	0.0	0.0
650	1.5	0.0	0.0	0.0
651	1.4	0.0	0.0	0.0
652	1.8	0.0	0.0	0.0
653	1.3	0.0	0.0	0.0
654	0.9	0.0	0.0	0.0
655	1.1	0.0	0.0	0.0
656	0.5	0.0	0.0	0.0
657	0.3	0.4	11.1	6.6
658	0.7	4.1	65.6	39.5
659	1.6	0.5	30.4	18.2
660	1.8	4.3	98.4	59.2
661	2.5	0.6	35.9	21.6
662	3.7	4.8	92.8	57.6
663	3.9	6.0	79.0	51.0
664	3.9	3.3	32.9	22.2
665	3.7	0.0	0.0	0.0
666	3.7	0.0	0.0	0.0
667	3.5	0.0	0.0	0.0
668	3.0	0.0	0.0	0.0
669	2.7	0.0	0.0	0.0
670	2.5	0.0	0.0	0.0
671	2.3	0.0	0.0	0.0
672	2.0	0.0	0.0	0.0
673	1.8	0.0	0.0	0.0
674	1.6	0.0	0.0	0.0
675	1.4	0.0	0.0	0.0
676	1.8	0.0	0.0	0.0
677	1.6	0.0	0.0	0.0
678	1.4	0.0	0.0	0.0
679	1.5	0.0	0.0	0.0
680	0.7	0.0	0.0	0.0
681	0.2	7.5	48.9	29.4
682	0.2	0.5	22.1	13.3
683	0.6	70.3	161.7	99.4
684	1.2	0.6	35.9	21.6
685	1.3	6.4	119.7	72.9
686	0.9	2.0	60.4	37.0
687	0.7	4.4	68.3	43.6
688	1.0	288.5	67.7	262.0
689	1.5	0.0	0.0	0.0
690	2.1	0.0	0.0	0.0
691	2.0	0.0	0.0	0.0
692	1.5	0.0	0.0	0.0
693	1.1	0.0	0.0	0.0
694	1.1	0.0	0.0	0.0
695	0.8	0.0	0.0	0.0
696	0.4	0.0	0.0	0.0
697	0.2	0.0	0.0	0.0
698	0.1	0.0	0.0	0.0
699	-0.1	0.0	0.0	0.0
700	-0.2	0.0	0.0	0.0
701	-0.5	0.0	0.0	0.0
702	-1.5	0.0	0.0	0.0
703	-2.3	0.0	0.0	0.0
704	-2.7	0.0	0.0	0.0
705	-3.3	61.9	71.0	43.5
706	-4.0	324.0	118.0	79.4
707	-4.2	700.7	92.3	79.6
708	-3.8	10.1	137.7	83.0
709	-3.2	220.4	185.3	147.1
710	-2.7	306.3	156.1	215.7
711	-2.3	6.7	84.3	54.6
712	-2.3	6.0	46.3	32.4
713	-2.6	0.0	0.0	0.0
714	-2.7	0.0	0.0	0.0
715	-2.7	0.0	0.0	0.0
716	-2.9	0.0	0.0	0.0
717	-3.3	0.0	0.0	0.0
718	-3.6	0.0	0.0	0.0
719	-3.7	0.0	0.0	0.0
720	-3.7	0.0	0.0	0.0
721	-3.6	0.0	0.0	0.0
722	-3.5	0.0	0.0	0.0
723	-3.4	0.0	0.0	0.0
724	-3.2	0.0	0.0	0.0
725	-3.0	0.0	0.0	0.0
726	-2.6	0.0	0.0	0.0
727	-2.1	0.0	0.0	0.0
728	-2.3	0.0	0.0	0.0
729	-2.1	45.9	70.5	43.0
730	-0.8	231.4	128.2	83.1
731	0.3	856.5	69.8	71.9
732	1.2	989.0	77.9	85.5
733	1.7	603.2	123.4	172.7
734	1.6	571.6	115.8	297.7
735	1.6	560.5	90.7	394.2
736	1.8	189.5	75.5	191.3
737	1.8	0.0	0.0	0.0
738	1.5	0.0	0.0	0.0
739	1.2	0.0	0.0	0.0
740	0.6	0.0	0.0	0.0
741	0.0	0.0	0.0	0.0
742	0.1	0.0	0.0	0.0
743	-0.1	0.0	0.0	0.0
744	-0.5	0.0	0.0	0.0
745	-0.9	0.0	0.0	0.0
746	-1.2	0.0	0.0	0.0
747	-1.5	0.0	0.0	0.0
748	-1.6	0.0	0.0	0.0
749	-1.2	0.0	0.0	0.0
750	-0.8	0.0	0.0	0.0
751	-0.7	0.0	0.0	0.0
752	-0.5	0.5	2.8	1.7
753	0.1	2.3	30.2	18.1
754	0.6	1.1	35.8	21.5
755	1.0	2.8	74.0	44.5
756	2.0	3.1	87.6	52.7
757	2.7	0.7	41.4	24.9
758	2.8	36.9	156.1	108.5
759	3.2	2.1	49.4	30.9
760	3.4	0.9	19.3	12.3
761	3.4	10.4	10.8	15.6
762	3.6	0.0	0.0	0.0
763	3.6	0.0	0.0	0.0
764	3.7	0.0	0.0	0.0
765	3.9	0.0	0.0	0.0
766	4.2	0.0	0.0	0.0
767	4.4	0.0	0.0	0.0
768	4.6	0.0	0.0	0.0
769	4.8	0.0	0.0	0.0
770	4.9	0.0	0.0	0.0
771	4.9	0.0	0.0	0.0
772	4.8	0.0	0.0	0.0
773	5.6	0.0	0.0	0.0
774	6.1	0.0	0.0	0.0
775	5.7	0.0	0.0	0.0
776	6.5	765.2	7.8	6.0
777	6.7	42.4	73.5	44.8
778	6.4	24.1	115.4	69.9
779	6.8	167.3	175.0	111.0
780	8.2	132.5	196.0	122.9
781	9.1	192.0	193.9	148.0
782	8.8	121.0	175.3	153.7
783	8.7	24.1	115.4	83.9
784	8.8	79.8	78.4	108.7
785	9.2	7.6	10.9	13.2
786	9.3	0.0	0.0	0.0
787	8.5	0.0	0.0	0.0

788	7.7	0.0	0.0	0.0	846	4.9	0.0	0.0	0.0	904	10.5	5.0	51.8	35.0
789	7.9	0.0	0.0	0.0	847	5.2	0.0	0.0	0.0	905	10.5	5.2	13.6	12.8
790	8.5	0.0	0.0	0.0	848	5.2	1.1	5.5	3.3	906	11.1	0.0	0.0	0.0
791	8.9	0.0	0.0	0.0	849	5.7	34.6	77.1	46.9	907	11.2	0.0	0.0	0.0
792	8.7	0.0	0.0	0.0	850	6.6	264.1	135.6	89.0	908	11.0	0.0	0.0	0.0
793	8.3	0.0	0.0	0.0	851	7.5	53.5	171.4	104.8	909	10.7	0.0	0.0	0.0
794	8.0	0.0	0.0	0.0	852	8.6	145.3	202.6	127.6	910	10.3	0.0	0.0	0.0
795	7.8	0.0	0.0	0.0	853	9.2	5.9	125.3	76.2	911	10.1	0.0	0.0	0.0
796	7.1	0.0	0.0	0.0	854	9.7	15.7	144.0	92.8	912	10.0	0.0	0.0	0.0
797	7.1	0.0	0.0	0.0	855	9.8	3.8	71.1	45.0	913	9.6	0.0	0.0	0.0
798	7.2	0.0	0.0	0.0	856	9.5	1.2	24.8	15.8	914	8.8	0.0	0.0	0.0
799	6.6	0.0	0.0	0.0	857	9.2	15.6	16.0	23.5	915	8.1	0.0	0.0	0.0
800	6.4	222.4	17.0	10.6	858	9.1	0.0	0.0	0.0	916	7.7	0.0	0.0	0.0
801	6.5	136.2	82.3	51.6	859	9.6	0.0	0.0	0.0	917	7.5	0.0	0.0	0.0
802	6.5	5.4	81.8	49.2	860	9.6	0.0	0.0	0.0	918	7.4	0.0	0.0	0.0
803	6.8	727.4	92.1	81.6	861	8.7	0.0	0.0	0.0	919	7.3	0.0	0.0	0.0
804	7.9	405.6	166.1	116.1	862	8.0	0.0	0.0	0.0	920	6.5	11.7	18.8	11.3
805	8.3	97.0	196.1	133.7	863	7.6	0.0	0.0	0.0	921	5.8	4.3	49.2	29.6
806	8.2	108.0	176.7	149.5	864	7.4	0.0	0.0	0.0	922	5.4	5.2	87.3	52.5
807	8.8	519.8	100.6	377.5	865	7.2	0.0	0.0	0.0	923	5.2	3.7	93.0	55.9
808	8.8	106.6	81.8	131.7	866	7.0	0.0	0.0	0.0	924	5.4	11.4	156.1	94.2
809	7.7	33.6	15.5	39.1	867	6.8	0.0	0.0	0.0	925	5.6	2.8	90.4	54.7
810	7.1	0.0	0.0	0.0	868	6.6	0.0	0.0	0.0	926	5.4	76.3	183.9	141.4
811	6.8	0.0	0.0	0.0	869	6.3	0.0	0.0	0.0	927	4.9	1.2	41.3	25.5
812	6.1	0.0	0.0	0.0	870	6.2	0.0	0.0	0.0	928	4.0	3.0	41.1	27.0
813	5.4	0.0	0.0	0.0	871	6.7	0.0	0.0	0.0	929	3.0	2.9	11.0	9.2
814	4.6	0.0	0.0	0.0	872	7.2	6.0	13.6	8.2	930	2.4	0.0	0.0	0.0
815	3.6	0.0	0.0	0.0	873	7.4	0.4	13.8	8.3	931	2.0	0.0	0.0	0.0
816	3.0	0.0	0.0	0.0	874	7.7	3.4	68.4	41.2	932	1.7	0.0	0.0	0.0
817	2.7	0.0	0.0	0.0	875	8.7	54.1	173.7	106.2	933	1.4	0.0	0.0	0.0
818	2.4	0.0	0.0	0.0	876	10.0	87.7	201.5	124.6	934	1.0	0.0	0.0	0.0
819	2.1	0.0	0.0	0.0	877	11.1	27.5	177.2	110.9	935	0.6	0.0	0.0	0.0
820	2.0	0.0	0.0	0.0	878	11.6	5.4	109.1	67.6	936	0.3	0.0	0.0	0.0
821	2.1	0.0	0.0	0.0	879	12.0	64.8	138.8	123.1	937	0.0	0.0	0.0	0.0
822	2.2	0.0	0.0	0.0	880	12.3	97.4	87.6	128.5	938	-0.2	0.0	0.0	0.0
823	2.7	0.0	0.0	0.0	881	11.9	6.0	13.6	13.5	939	-0.4	0.0	0.0	0.0
824	3.3	764.0	9.1	7.4	882	11.3	0.0	0.0	0.0	940	-0.7	0.0	0.0	0.0
825	3.6	404.0	70.8	49.2	883	11.1	0.0	0.0	0.0	941	-0.8	0.0	0.0	0.0
826	4.2	623.9	87.3	70.1	884	10.8	0.0	0.0	0.0	942	-0.6	0.0	0.0	0.0
827	5.3	342.5	160.6	108.9	885	10.1	0.0	0.0	0.0	943	-0.4	0.0	0.0	0.0
828	6.9	577.6	134.1	104.1	886	9.6	0.0	0.0	0.0	944	-0.1	15.9	21.3	12.9
829	7.7	668.8	115.5	180.3	887	9.4	0.0	0.0	0.0	945	0.2	69.5	91.8	56.4
830	7.5	574.8	120.9	304.3	888	9.2	0.0	0.0	0.0	946	0.5	5.4	90.0	54.1
831	7.3	325.1	127.3	275.2	889	8.9	0.0	0.0	0.0	947	1.1	59.3	181.9	111.5
832	7.3	208.5	82.9	211.6	890	8.8	0.0	0.0	0.0	948	1.8	317.0	193.4	129.7
833	7.0	94.6	18.5	95.1	891	8.6	0.0	0.0	0.0	949	2.4	580.7	140.8	182.7
834	6.7	0.0	0.0	0.0	892	8.5	0.0	0.0	0.0	950	2.8	39.0	173.4	119.9
835	6.5	0.0	0.0	0.0	893	8.8	0.0	0.0	0.0	951	3.1	0.4	24.9	15.2
836	6.3	0.0	0.0	0.0	894	8.7	0.0	0.0	0.0	952	3.5	9.2	67.6	47.8
837	6.1	0.0	0.0	0.0	895	8.0	0.0	0.0	0.0	953	3.5	5.7	16.4	14.9
838	5.9	0.0	0.0	0.0	896	8.1	8.4	16.3	9.8	954	3.0	0.0	0.0	0.0
839	5.6	0.0	0.0	0.0	897	8.6	32.0	80.1	48.6	955	2.7	0.0	0.0	0.0
840	5.6	0.0	0.0	0.0	898	9.1	34.6	131.1	79.7	956	2.6	0.0	0.0	0.0
841	5.7	0.0	0.0	0.0	899	9.7	2.0	68.7	41.3	957	2.4	0.0	0.0	0.0
842	5.9	0.0	0.0	0.0	900	10.4	495.3	155.7	114.4	958	2.3	0.0	0.0	0.0
843	5.9	0.0	0.0	0.0	901	11.1	377.6	178.7	170.6	959	2.2	0.0	0.0	0.0
844	5.7	0.0	0.0	0.0	902	11.1	102.5	185.2	152.7	960	2.0	0.0	0.0	0.0
845	5.1	0.0	0.0	0.0	903	10.9	631.6	90.1	442.7	961	1.9	0.0	0.0	0.0

962	2.0	0.0	0.0	0.0	1020	10.4	582.6	145.0	113.0	1078	0.1	0.0	0.0	0.0
963	2.0	0.0	0.0	0.0	1021	10.1	129.2	218.8	153.4	1079	-0.2	0.0	0.0	0.0
964	2.0	0.0	0.0	0.0	1022	9.9	37.6	178.9	122.8	1080	-0.7	0.0	0.0	0.0
965	2.2	0.0	0.0	0.0	1023	9.9	533.4	112.7	399.4	1081	-0.9	0.0	0.0	0.0
966	2.2	0.0	0.0	0.0	1024	10.2	111.6	101.3	148.8	1082	-0.9	0.0	0.0	0.0
967	2.2	0.0	0.0	0.0	1025	10.3	11.1	24.2	24.6	1083	-1.0	0.0	0.0	0.0
968	2.1	2.2	11.0	6.6	1026	10.2	0.0	0.0	0.0	1084	-0.9	0.0	0.0	0.0
969	2.1	215.3	95.2	61.3	1027	10.1	0.0	0.0	0.0	1085	-0.3	0.0	0.0	0.0
970	2.4	435.8	124.3	88.1	1028	10.2	0.0	0.0	0.0	1086	0.6	0.0	0.0	0.0
971	2.7	23.0	162.9	98.7	1029	9.9	0.0	0.0	0.0	1087	1.4	0.0	0.0	0.0
972	3.5	113.2	213.3	133.0	1030	9.6	0.0	0.0	0.0	1088	1.6	18.3	31.8	19.2
973	4.2	12.0	161.3	98.8	1031	9.3	0.0	0.0	0.0	1089	1.4	4.2	57.4	34.5
974	4.9	16.5	154.4	99.4	1032	9.0	0.0	0.0	0.0	1090	1.3	59.3	157.3	96.4
975	5.9	22.5	128.9	91.3	1033	8.8	0.0	0.0	0.0	1091	1.5	6.6	133.3	80.2
976	6.2	1.7	33.0	21.1	1034	8.5	0.0	0.0	0.0	1092	2.1	11.7	169.5	102.2
977	5.9	11.8	21.5	23.5	1035	8.1	0.0	0.0	0.0	1093	3.4	116.5	225.5	155.5
978	5.4	0.0	0.0	0.0	1036	8.3	0.0	0.0	0.0	1094	4.4	312.5	188.1	242.3
979	5.7	0.0	0.0	0.0	1037	7.4	0.0	0.0	0.0	1095	4.8	0.6	33.1	20.3
980	6.4	0.0	0.0	0.0	1038	7.0	0.0	0.0	0.0	1096	4.8	91.1	107.1	136.6
981	6.2	0.0	0.0	0.0	1039	7.4	0.0	0.0	0.0	1097	4.2	0.3	5.5	3.6
982	5.7	0.0	0.0	0.0	1040	6.6	0.4	5.5	3.3	1098	3.8	0.0	0.0	0.0
983	5.6	0.0	0.0	0.0	1041	6.1	29.4	90.8	55.1	1099	3.7	0.0	0.0	0.0
984	5.6	0.0	0.0	0.0	1042	5.6	29.3	140.2	85.1	1100	3.3	0.0	0.0	0.0
985	5.5	0.0	0.0	0.0	1043	6.0	86.5	197.1	121.8	1101	3.4	0.0	0.0	0.0
986	5.6	0.0	0.0	0.0	1044	7.1	1.8	76.9	46.2	1102	3.7	0.0	0.0	0.0
987	5.8	0.0	0.0	0.0	1045	7.6	5.3	130.9	79.4	1103	3.5	0.0	0.0	0.0
988	5.3	0.0	0.0	0.0	1046	7.8	26.3	172.3	114.2	1104	3.0	0.0	0.0	0.0
989	5.3	0.0	0.0	0.0	1047	7.9	188.4	159.1	212.9	1105	2.9	0.0	0.0	0.0
990	5.8	0.0	0.0	0.0	1048	7.6	3.0	46.6	30.3	1106	3.1	0.0	0.0	0.0
991	5.3	0.0	0.0	0.0	1049	6.9	8.7	24.4	22.4	1107	3.3	0.0	0.0	0.0
992	4.6	3.0	13.7	8.2	1050	6.4	0.0	0.0	0.0	1108	3.0	0.0	0.0	0.0
993	4.8	3.7	49.2	29.6	1051	6.5	0.0	0.0	0.0	1109	3.1	0.0	0.0	0.0
994	4.7	18.8	127.2	76.9	1052	6.5	0.0	0.0	0.0	1110	3.3	0.0	0.0	0.0
995	4.4	2.2	74.1	44.6	1053	6.3	0.0	0.0	0.0	1111	2.4	0.0	0.0	0.0
996	4.8	1.5	68.8	41.3	1054	6.1	0.0	0.0	0.0	1112	2.2	5.3	24.5	14.8
997	5.7	5.1	125.5	76.2	1055	5.8	0.0	0.0	0.0	1113	2.6	9.0	78.5	47.3
998	6.8	200.5	193.1	198.1	1056	5.6	0.0	0.0	0.0	1114	2.8	12.0	126.3	76.2
999	7.3	40.9	142.3	110.7	1057	5.6	0.0	0.0	0.0	1115	3.2	3.8	103.9	62.5
1000	6.9	1.7	33.0	21.1	1058	5.4	0.0	0.0	0.0	1116	3.7	5.4	136.3	82.0
1001	6.6	14.9	24.1	27.8	1059	5.2	0.0	0.0	0.0	1117	4.1	8.6	159.8	97.4
1002	6.5	0.0	0.0	0.0	1060	5.5	0.0	0.0	0.0	1118	4.2	5.8	128.0	79.2
1003	6.0	0.0	0.0	0.0	1061	4.9	0.0	0.0	0.0	1119	4.1	4.4	90.1	56.8
1004	5.7	0.0	0.0	0.0	1062	3.6	0.0	0.0	0.0	1120	3.7	0.8	24.8	15.5
1005	5.6	0.0	0.0	0.0	1063	3.7	0.0	0.0	0.0	1121	3.3	2.4	16.5	12.0
1006	5.5	0.0	0.0	0.0	1064	3.4	4.1	19.1	11.5	1122	3.0	0.0	0.0	0.0
1007	5.5	0.0	0.0	0.0	1065	3.1	1.0	27.6	16.6	1123	2.8	0.0	0.0	0.0
1008	5.4	0.0	0.0	0.0	1066	3.8	186.7	161.5	103.1	1124	2.6	0.0	0.0	0.0
1009	5.2	0.0	0.0	0.0	1067	4.9	306.0	187.0	124.8	1125	2.3	0.0	0.0	0.0
1010	5.1	0.0	0.0	0.0	1068	5.9	30.9	196.7	119.4	1126	2.0	0.0	0.0	0.0
1011	5.0	0.0	0.0	0.0	1069	5.8	943.3	87.1	215.0	1127	1.7	0.0	0.0	0.0
1012	4.8	0.0	0.0	0.0	1070	5.9	64.7	194.8	143.6	1128	1.4	0.0	0.0	0.0
1013	5.1	0.0	0.0	0.0	1071	5.9	1.9	57.7	35.8	1129	1.1	0.0	0.0	0.0
1014	6.2	0.0	0.0	0.0	1072	4.7	9.2	75.7	52.8	1130	1.0	0.0	0.0	0.0
1015	6.9	0.0	0.0	0.0	1073	3.4	15.9	29.3	32.0	1131	0.9	0.0	0.0	0.0
1016	7.3	18.2	26.5	16.0	1074	2.4	0.0	0.0	0.0	1132	0.6	0.0	0.0	0.0
1017	8.3	1.6	33.0	19.8	1075	1.9	0.0	0.0	0.0	1133	0.8	0.0	0.0	0.0
1018	9.3	1.5	49.5	29.8	1076	1.2	0.0	0.0	0.0	1134	0.8	0.0	0.0	0.0
1019	10.2	4.9	111.9	67.3	1077	0.4	0.0	0.0	0.0	1135	0.6	0.0	0.0	0.0

1136	1.3	22.8	36.8	22.3	1194	4.3	0.0	0.0	0.0	1252	2.7	0.0	0.0	0.0
1137	2.0	4.7	62.8	37.8	1195	4.1	0.0	0.0	0.0	1253	2.8	0.0	0.0	0.0
1138	2.7	13.6	131.3	79.2	1196	4.1	0.0	0.0	0.0	1254	3.2	0.0	0.0	0.0
1139	3.7	6.9	138.6	83.5	1197	4.1	0.0	0.0	0.0	1255	3.6	0.0	0.0	0.0
1140	4.9	4.5	125.6	75.6	1198	4.0	0.0	0.0	0.0	1256	4.0	32.2	49.0	29.8
1141	5.6	43.4	212.4	135.0	1199	4.0	0.0	0.0	0.0	1257	4.1	1.4	38.5	23.1
1142	5.7	4.5	114.7	70.7	1200	4.0	0.0	0.0	0.0	1258	4.6	1.2	52.3	31.4
1143	5.9	4.0	87.5	55.0	1201	4.0	0.0	0.0	0.0	1259	5.5	16.8	178.3	107.7
1144	5.8	1.5	35.8	22.6	1202	3.9	0.0	0.0	0.0	1260	6.5	39.8	221.4	134.8
1145	5.4	15.8	34.7	35.1	1203	3.9	0.0	0.0	0.0	1261	7.3	44.5	224.5	142.6
1146	5.5	0.0	0.0	0.0	1204	3.8	0.0	0.0	0.0	1262	7.9	11.7	166.8	105.0
1147	5.8	0.0	0.0	0.0	1205	3.9	0.0	0.0	0.0	1263	8.3	3.5	87.6	54.8
1148	5.7	0.0	0.0	0.0	1206	3.7	0.0	0.0	0.0	1264	8.3	3.5	60.2	38.9
1149	5.2	0.0	0.0	0.0	1207	3.1	0.0	0.0	0.0	1265	8.0	3.7	27.4	19.8
1150	4.9	0.0	0.0	0.0	1208	3.1	8.3	35.2	21.2	1266	7.4	0.0	0.0	0.0
1151	4.7	0.0	0.0	0.0	1209	3.6	6.8	78.8	47.5	1267	6.9	0.0	0.0	0.0
1152	4.5	0.0	0.0	0.0	1210	4.2	2.8	76.7	46.1	1268	6.4	0.0	0.0	0.0
1153	4.3	0.0	0.0	0.0	1211	4.7	5.7	133.5	80.4	1269	6.1	0.0	0.0	0.0
1154	4.1	0.0	0.0	0.0	1212	5.0	2.6	98.7	59.4	1270	5.8	0.0	0.0	0.0
1155	3.9	0.0	0.0	0.0	1213	5.4	1.9	85.2	51.4	1271	5.6	0.0	0.0	0.0
1156	3.7	0.0	0.0	0.0	1214	5.8	3.8	109.4	67.2	1272	5.4	0.0	0.0	0.0
1157	3.5	0.0	0.0	0.0	1215	6.0	8.7	124.6	80.2	1273	5.2	0.0	0.0	0.0
1158	3.0	0.0	0.0	0.0	1216	5.5	9.6	86.5	59.5	1274	5.1	0.0	0.0	0.0
1159	2.1	0.0	0.0	0.0	1217	5.2	50.3	47.4	74.5	1275	4.9	0.0	0.0	0.0
1160	1.9	1.9	16.5	9.9	1218	5.0	0.0	0.0	0.0	1276	4.6	0.0	0.0	0.0
1161	2.5	48.5	107.7	65.8	1219	4.7	0.0	0.0	0.0	1277	4.2	0.0	0.0	0.0
1162	3.7	12.8	131.5	79.3	1220	4.3	0.0	0.0	0.0	1278	3.8	0.0	0.0	0.0
1163	4.9	77.2	207.3	127.7	1221	4.0	0.0	0.0	0.0	1279	4.1	0.0	0.0	0.0
1164	5.7	36.5	210.0	127.7	1222	3.7	0.0	0.0	0.0	1280	4.3	4.1	30.1	18.1
1165	5.5	130.7	233.4	162.9	1223	3.4	0.0	0.0	0.0	1281	4.3	20.5	105.6	63.9
1166	5.6	510.7	156.1	306.8	1224	3.1	0.0	0.0	0.0	1282	5.7	140.0	184.7	116.1
1167	6.7	102.9	171.2	167.5	1225	2.8	0.0	0.0	0.0	1283	7.1	453.7	177.7	127.5
1168	6.8	54.3	109.1	108.8	1226	2.5	0.0	0.0	0.0	1284	8.4	5.3	144.5	87.0
1169	5.5	3.4	21.9	16.2	1227	2.3	0.0	0.0	0.0	1285	9.7	15.7	194.7	119.6
1170	4.6	0.0	0.0	0.0	1228	2.0	0.0	0.0	0.0	1286	10.4	8.5	157.1	97.8
1171	4.2	0.0	0.0	0.0	1229	1.9	0.0	0.0	0.0	1287	11.0	119.4	184.3	186.5
1172	3.6	0.0	0.0	0.0	1230	1.8	0.0	0.0	0.0	1288	11.1	219.2	124.7	251.4
1173	2.9	0.0	0.0	0.0	1231	1.8	0.0	0.0	0.0	1289	9.6	54.4	54.5	82.7
1174	2.5	0.0	0.0	0.0	1232	2.1	17.0	42.6	25.7	1290	8.3	0.0	0.0	0.0
1175	2.2	0.0	0.0	0.0	1233	2.5	3.6	60.2	36.2	1291	7.8	0.0	0.0	0.0
1176	1.8	0.0	0.0	0.0	1234	3.1	1.7	60.5	36.3	1292	6.9	0.0	0.0	0.0
1177	1.6	0.0	0.0	0.0	1235	3.8	2.1	82.4	49.5	1293	5.9	0.0	0.0	0.0
1178	1.5	0.0	0.0	0.0	1236	4.7	1.5	77.0	46.3	1294	5.5	0.0	0.0	0.0
1179	1.5	0.0	0.0	0.0	1237	4.8	35.1	215.6	135.6	1295	5.3	0.0	0.0	0.0
1180	1.5	0.0	0.0	0.0	1238	4.6	16.5	175.7	112.4	1296	5.0	0.0	0.0	0.0
1181	2.1	0.0	0.0	0.0	1239	4.8	52.7	169.0	134.8	1297	4.7	0.0	0.0	0.0
1182	2.8	0.0	0.0	0.0	1240	5.2	5.1	70.9	46.6	1298	4.3	0.0	0.0	0.0
1183	2.9	0.0	0.0	0.0	1241	5.2	0.6	11.0	7.2	1299	3.9	0.0	0.0	0.0
1184	3.0	1.7	16.5	9.9	1242	4.8	0.0	0.0	0.0	1300	3.7	0.0	0.0	0.0
1185	3.1	1.6	38.5	23.1	1243	4.7	0.0	0.0	0.0	1301	3.5	0.0	0.0	0.0
1186	3.3	2.9	76.7	46.1	1244	4.5	0.0	0.0	0.0	1302	3.3	0.0	0.0	0.0
1187	3.7	1.9	76.9	46.2	1245	4.2	0.0	0.0	0.0	1303	3.7	0.0	0.0	0.0
1188	3.8	3.6	114.9	69.1	1246	3.9	0.0	0.0	0.0	1304	4.1	118.6	60.0	37.4
1189	3.9	4.9	133.7	81.1	1247	3.7	0.0	0.0	0.0	1305	4.1	336.6	116.5	78.7
1190	4.0	2.5	87.8	53.7	1248	3.5	0.0	0.0	0.0	1306	4.4	337.6	167.5	113.4
1191	4.0	4.3	92.9	58.4	1249	3.3	0.0	0.0	0.0	1307	5.2	89.2	224.1	138.6
1192	4.1	1.4	35.8	22.6	1250	3.2	0.0	0.0	0.0	1308	6.5	252.5	237.9	155.6
1193	4.4	0.2	5.5	3.5	1251	3.0	0.0	0.0	0.0	1309	7.2	694.4	135.5	205.9

1310	7.0	938.2	88.5	450.2	1368	3.1	0.0	0.0	0.0	1426	6.7	69.8	192.9	118.6
1311	7.5	326.0	169.3	309.3	1369	3.0	0.0	0.0	0.0	1427	7.1	388.8	203.9	141.5
1312	7.3	41.9	119.1	105.3	1370	3.0	0.0	0.0	0.0	1428	7.6	9.3	186.6	112.4
1313	5.8	6.2	38.1	28.6	1371	2.9	0.0	0.0	0.0	1429	8.3	1.7	88.0	53.1
1314	4.8	0.0	0.0	0.0	1372	2.8	0.0	0.0	0.0	1430	8.9	47.6	223.2	154.3
1315	4.2	0.0	0.0	0.0	1373	2.7	0.0	0.0	0.0	1431	9.2	200.2	196.6	246.7
1316	3.5	0.0	0.0	0.0	1374	2.9	0.0	0.0	0.0	1432	9.0	3.5	68.4	43.9
1317	2.1	0.0	0.0	0.0	1375	3.0	0.0	0.0	0.0	1433	8.2	49.6	67.5	86.5
1318	1.3	0.0	0.0	0.0	1376	3.3	4.2	35.5	21.4	1434	7.7	0.0	0.0	0.0
1319	1.0	0.0	0.0	0.0	1377	3.8	69.4	132.8	81.6	1435	7.3	0.0	0.0	0.0
1320	0.6	0.0	0.0	0.0	1378	4.4	164.2	194.0	122.9	1436	6.7	0.0	0.0	0.0
1321	0.5	0.0	0.0	0.0	1379	5.2	59.0	223.7	137.0	1437	6.4	0.0	0.0	0.0
1322	0.5	0.0	0.0	0.0	1380	6.1	810.5	111.6	109.6	1438	6.3	0.0	0.0	0.0
1323	0.5	0.0	0.0	0.0	1381	6.6	17.8	207.1	127.5	1439	6.3	0.0	0.0	0.0
1324	0.5	0.0	0.0	0.0	1382	6.6	97.1	232.6	181.0	1440	6.1	0.0	0.0	0.0
1325	0.9	0.0	0.0	0.0	1383	7.1	250.5	186.6	272.4	1441	5.9	0.0	0.0	0.0
1326	0.8	0.0	0.0	0.0	1384	7.3	258.2	131.1	288.1	1442	5.6	0.0	0.0	0.0
1327	0.4	0.0	0.0	0.0	1385	6.9	9.7	48.6	38.2	1443	5.2	0.0	0.0	0.0
1328	0.6	10.5	45.9	27.6	1386	5.8	0.0	0.0	0.0	1444	4.8	0.0	0.0	0.0
1329	1.0	607.0	84.0	66.6	1387	5.1	0.0	0.0	0.0	1445	4.3	0.0	0.0	0.0
1330	2.2	344.2	168.6	114.5	1388	4.5	0.0	0.0	0.0	1446	4.3	0.0	0.0	0.0
1331	3.5	618.8	143.1	115.0	1389	3.4	0.0	0.0	0.0	1447	4.8	0.0	0.0	0.0
1332	5.0	422.0	205.6	145.1	1390	2.7	0.0	0.0	0.0	1448	6.0	34.8	66.8	40.6
1333	6.1	511.1	183.7	202.3	1391	2.3	0.0	0.0	0.0	1449	7.4	343.9	128.7	87.3
1334	6.7	321.2	208.9	261.6	1392	2.3	0.0	0.0	0.0	1450	8.6	25.2	172.6	104.6
1335	6.9	299.1	175.5	296.2	1393	2.4	0.0	0.0	0.0	1451	9.7	403.1	202.8	141.8
1336	5.7	82.5	129.8	144.6	1394	2.4	0.0	0.0	0.0	1452	10.7	596.6	169.5	134.1
1337	4.6	36.6	56.3	67.5	1395	2.3	0.0	0.0	0.0	1453	11.4	273.4	248.5	199.3
1338	3.6	0.0	0.0	0.0	1396	2.3	0.0	0.0	0.0	1454	11.6	119.2	242.0	196.3
1339	2.7	0.0	0.0	0.0	1397	2.2	0.0	0.0	0.0	1455	12.0	299.2	186.8	304.8
1340	2.4	0.0	0.0	0.0	1398	1.6	0.0	0.0	0.0	1456	12.1	118.6	144.5	183.3
1341	2.0	0.0	0.0	0.0	1399	1.3	0.0	0.0	0.0	1457	11.6	126.5	74.6	162.4
1342	1.6	0.0	0.0	0.0	1400	1.4	0.4	11.1	6.6	1458	11.4	0.0	0.0	0.0
1343	1.2	0.0	0.0	0.0	1401	1.9	4.5	76.5	46.0	1459	11.3	0.0	0.0	0.0
1344	1.0	0.0	0.0	0.0	1402	2.6	5.6	119.9	72.2	1460	10.7	0.0	0.0	0.0
1345	1.2	0.0	0.0	0.0	1403	3.0	15.1	186.9	112.9	1461	9.8	0.0	0.0	0.0
1346	1.4	0.0	0.0	0.0	1404	3.7	34.8	231.1	140.5	1462	9.0	0.0	0.0	0.0
1347	1.5	0.0	0.0	0.0	1405	4.0	36.8	232.8	146.4	1463	8.7	0.0	0.0	0.0
1348	1.6	0.0	0.0	0.0	1406	4.1	1.8	82.4	50.2	1464	8.5	0.0	0.0	0.0
1349	1.5	0.0	0.0	0.0	1407	4.6	16.3	157.1	104.8	1465	8.1	0.0	0.0	0.0
1350	1.3	0.0	0.0	0.0	1408	4.9	2.3	54.9	34.8	1466	7.7	0.0	0.0	0.0
1351	1.9	0.0	0.0	0.0	1409	4.9	2.3	27.4	18.6	1467	7.2	0.0	0.0	0.0
1352	2.4	37.9	58.7	35.7	1410	4.9	0.0	0.0	0.0	1468	6.5	0.0	0.0	0.0
1353	2.6	7.1	89.7	54.0	1411	4.8	0.0	0.0	0.0	1469	5.6	0.0	0.0	0.0
1354	3.4	83.8	188.4	116.3	1412	4.6	0.0	0.0	0.0	1470	6.3	0.0	0.0	0.0
1355	4.4	532.5	165.1	124.5	1413	4.5	0.0	0.0	0.0	1471	7.2	0.0	0.0	0.0
1356	5.4	435.8	204.3	145.3	1414	4.3	0.0	0.0	0.0	1472	6.6	51.2	72.3	44.1
1357	6.2	575.6	168.8	205.4	1415	4.2	0.0	0.0	0.0	1473	6.1	621.3	90.9	73.1
1358	6.9	456.4	182.8	303.7	1416	4.1	0.0	0.0	0.0	1474	6.3	687.9	112.4	96.3
1359	7.5	634.8	116.3	475.8	1417	4.0	0.0	0.0	0.0	1475	7.4	571.2	163.9	127.2
1360	7.8	235.1	130.6	268.7	1418	3.9	0.0	0.0	0.0	1476	8.2	18.8	217.3	131.4
1361	7.3	0.4	11.1	7.0	1419	3.8	0.0	0.0	0.0	1477	8.5	811.4	115.4	218.8
1362	6.4	0.0	0.0	0.0	1420	3.5	0.0	0.0	0.0	1478	8.4	206.8	240.6	233.3
1363	5.4	0.0	0.0	0.0	1421	3.3	0.0	0.0	0.0	1479	9.1	204.0	201.1	252.3
1364	4.1	0.0	0.0	0.0	1422	3.2	0.0	0.0	0.0	1480	9.1	1.9	52.2	32.9
1365	3.7	0.0	0.0	0.0	1423	3.6	0.0	0.0	0.0	1481	8.4	109.3	76.7	147.8
1366	3.7	0.0	0.0	0.0	1424	4.6	378.3	62.0	42.5	1482	7.8	0.0	0.0	0.0
1367	3.4	0.0	0.0	0.0	1425	5.7	249.5	136.5	89.1	1483	7.2	0.0	0.0	0.0

1484	6.6	0.0	0.0	0.0	1542	6.3	0.0	0.0	0.0	1600	12.5	349.1 140.9 371.5
1485	5.6	0.0	0.0	0.0	1543	7.3	0.0	0.0	0.0	1601	11.8	178.2 88.7 220.1
1486	4.8	0.0	0.0	0.0	1544	8.4	93.5	83.4	51.6	1602	10.8	283.3 15.3 289.0
1487	4.1	0.0	0.0	0.0	1545	8.8	733.1	77.9	69.8	1603	9.7	0.0 0.0 0.0
1488	3.5	0.0	0.0	0.0	1546	9.5	610.4	133.0	106.4	1604	8.4	0.0 0.0 0.0
1489	2.9	0.0	0.0	0.0	1547	9.8	182.1	250.4	159.7	1605	7.1	0.0 0.0 0.0
1490	2.5	0.0	0.0	0.0	1548	9.2	299.2	252.7	168.5	1606	6.0	0.0 0.0 0.0
1491	2.1	0.0	0.0	0.0	1549	8.5	44.4	252.2	159.6	1607	5.3	0.0 0.0 0.0
1492	1.8	0.0	0.0	0.0	1550	8.2	430.6	204.3	308.8	1608	4.6	0.0 0.0 0.0
1493	2.7	0.0	0.0	0.0	1551	8.8	175.3	210.6	240.0	1609	3.9	0.0 0.0 0.0
1494	3.9	0.0	0.0	0.0	1552	9.1	5.8	95.4	61.9	1610	3.2	0.0 0.0 0.0
1495	4.9	0.0	0.0	0.0	1553	8.8	0.4	13.8	8.7	1611	2.7	0.0 0.0 0.0
1496	6.3	20.7	66.0	39.9	1554	7.7	0.0	0.0	0.0	1612	2.1	0.0 0.0 0.0
1497	6.8	920.7	57.2	62.3	1555	6.0	0.0	0.0	0.0	1613	2.0	0.0 0.0 0.0
1498	7.3	690.3	113.2	97.2	1556	4.6	0.0	0.0	0.0	1614	1.8	0.0 0.0 0.0
1499	7.9	948.4	97.6	106.9	1557	3.6	0.0	0.0	0.0	1615	1.8	28.3 15.6 9.4
1500	8.2	56.3	254.3	155.7	1558	2.9	0.0	0.0	0.0	1616	2.1	209.8 90.0 57.8
1501	8.9	297.7	248.4	204.1	1559	2.3	0.0	0.0	0.0	1617	1.7	14.0 125.8 75.9
1502	9.7	36.4	222.7	149.3	1560	1.6	0.0	0.0	0.0	1618	1.5	0.7 46.9 28.2
1503	10.0	34.6	185.0	133.3	1561	1.1	0.0	0.0	0.0	1619	2.0	16.5 207.6 125.5
1504	9.6	275.7	140.9	309.9	1562	0.8	0.0	0.0	0.0	1620	2.2	0.8 66.2 39.8
1505	8.5	3.0	35.6	24.2	1563	0.5	0.0	0.0	0.0	1621	2.7	198.7 276.7 203.4
1506	7.8	0.0	0.0	0.0	1564	0.4	0.0	0.0	0.0	1622	4.0	21.1 216.2 138.9
1507	6.9	0.0	0.0	0.0	1565	1.1	0.0	0.0	0.0	1623	5.1	273.9 206.6 302.4
1508	6.2	0.0	0.0	0.0	1566	2.1	0.0	0.0	0.0	1624	4.7	14.0 125.8 87.0
1509	5.9	0.0	0.0	0.0	1567	3.2	260.9	14.1	8.6	1625	3.9	313.8 83.7 344.7
1510	5.8	0.0	0.0	0.0	1568	4.3	132.7	86.8	54.4	1626	3.5	11.6 13.5 19.6
1511	5.9	0.0	0.0	0.0	1569	4.8	250.3	150.5	98.3	1627	2.8	0.0 0.0 0.0
1512	5.8	0.0	0.0	0.0	1570	5.5	565.6	144.4	111.6	1628	2.1	0.0 0.0 0.0
1513	5.7	0.0	0.0	0.0	1571	7.1	563.3	172.4	133.1	1629	1.5	0.0 0.0 0.0
1514	5.5	0.0	0.0	0.0	1572	9.5	334.5	247.2	167.4	1630	0.9	0.0 0.0 0.0
1515	5.3	0.0	0.0	0.0	1573	11.2	516.1	199.9	216.4	1631	0.4	0.0 0.0 0.0
1516	4.9	0.0	0.0	0.0	1574	11.7	788.4	115.3	410.7	1632	-0.3	0.0 0.0 0.0
1517	5.4	0.0	0.0	0.0	1575	11.9	349.4	189.4	340.5	1633	-0.8	0.0 0.0 0.0
1518	5.9	0.0	0.0	0.0	1576	11.7	100.2	155.7	175.7	1634	-1.3	0.0 0.0 0.0
1519	5.8	0.0	0.0	0.0	1577	10.9	132.7	86.8	176.3	1635	-1.7	0.0 0.0 0.0
1520	6.6	82.1	80.3	49.5	1578	10.1	575.5	9.8	573.7	1636	-2.0	0.0 0.0 0.0
1521	7.7	258.3	145.0	95.0	1579	9.3	0.0	0.0	0.0	1637	-2.1	0.0 0.0 0.0
1522	8.6	69.8	202.5	124.5	1580	8.4	0.0	0.0	0.0	1638	-2.7	0.0 0.0 0.0
1523	9.5	495.4	186.4	137.4	1581	7.6	0.0	0.0	0.0	1639	-2.5	18.3 15.9 9.6
1524	9.8	8.1	187.1	112.7	1582	6.8	0.0	0.0	0.0	1640	-1.5	11.1 70.0 42.2
1525	10.0	349.8	239.3	208.5	1583	6.1	0.0	0.0	0.0	1641	-1.1	8.2 113.8 68.6
1526	10.5	388.3	212.3	294.9	1584	5.3	0.0	0.0	0.0	1642	-0.5	386.9 188.4 130.7
1527	11.1	1.7	71.5	44.0	1585	4.6	0.0	0.0	0.0	1643	0.8	612.3 163.8 131.5
1528	10.7	23.4	128.6	96.3	1586	4.0	0.0	0.0	0.0	1644	2.4	526.1 202.1 152.1
1529	10.2	21.7	68.5	61.3	1587	3.3	0.0	0.0	0.0	1645	3.6	553.3 194.2 221.0
1530	10.3	0.0	0.0	0.0	1588	2.7	0.0	0.0	0.0	1646	4.2	728.0 133.0 397.0
1531	9.8	0.0	0.0	0.0	1589	3.1	0.0	0.0	0.0	1647	4.6	288.7 206.5 312.2
1532	9.0	0.0	0.0	0.0	1590	4.1	0.0	0.0	0.0	1648	4.5	324.2 148.6 356.4
1533	8.1	0.0	0.0	0.0	1591	4.5	3.8	8.2	4.9	1649	3.9	187.8 93.2 232.3
1534	7.1	0.0	0.0	0.0	1592	5.2	178.2	88.7	56.4	1650	3.4	207.7 19.2 217.1
1535	6.4	0.0	0.0	0.0	1593	6.9	421.6	130.4	92.0	1651	2.7	0.0 0.0 0.0
1536	5.9	0.0	0.0	0.0	1594	8.9	605.2	137.1	109.3	1652	2.0	0.0 0.0 0.0
1537	5.4	0.0	0.0	0.0	1595	10.0	546.5	178.4	136.1	1653	1.3	0.0 0.0 0.0
1538	4.9	0.0	0.0	0.0	1596	10.9	639.7	166.1	136.5	1654	0.7	0.0 0.0 0.0
1539	4.6	0.0	0.0	0.0	1597	11.5	338.9	248.3	212.5	1655	0.2	0.0 0.0 0.0
1540	4.4	0.0	0.0	0.0	1598	11.9	224.3	250.5	247.6	1656	-0.2	0.0 0.0 0.0
1541	5.1	0.0	0.0	0.0	1599	12.5	408.2	180.0	373.5	1657	-0.6	0.0 0.0 0.0

1658	-0.9	0.0	0.0	0.0	1716	2.3	0.9	71.7	43.1	1774	3.4	0.0	0.0	0.0
1659	-1.1	0.0	0.0	0.0	1717	2.2	7.0	192.9	117.1	1775	2.7	0.0	0.0	0.0
1660	-1.2	0.0	0.0	0.0	1718	2.1	5.7	166.2	102.2	1776	1.9	0.0	0.0	0.0
1661	-0.8	0.0	0.0	0.0	1719	2.0	3.4	109.5	67.9	1777	1.3	0.0	0.0	0.0
1662	-0.5	0.0	0.0	0.0	1720	2.2	1.4	52.3	32.5	1778	0.8	0.0	0.0	0.0
1663	0.3	861.2	8.4	7.4	1721	1.9	100.5	100.7	155.1	1779	0.3	0.0	0.0	0.0
1664	2.3	91.0	95.3	58.9	1722	1.3	68.8	24.1	82.8	1780	-0.1	0.0	0.0	0.0
1665	4.1	133.7	166.8	104.6	1723	0.7	0.0	0.0	0.0	1781	-0.1	0.0	0.0	0.0
1666	5.3	749.6	109.0	100.1	1724	0.4	0.0	0.0	0.0	1782	0.2	0.0	0.0	0.0
1667	6.2	451.9	208.5	149.9	1725	0.2	0.0	0.0	0.0	1783	1.1	916.5	11.9	12.0
1668	7.3	425.0	232.5	164.7	1726	0.1	0.0	0.0	0.0	1784	2.3	12.8	83.2	50.2
1669	8.2	264.5	271.0	212.7	1727	0.1	0.0	0.0	0.0	1785	3.8	661.0	102.4	85.8
1670	9.1	634.6	159.1	372.4	1728	-0.1	0.0	0.0	0.0	1786	5.4	418.9	193.3	136.5
1671	10.1	392.3	189.3	369.8	1729	-0.1	0.0	0.0	0.0	1787	6.7	437.5	221.5	158.1
1672	10.0	236.2	161.2	291.6	1730	-0.1	0.0	0.0	0.0	1788	7.9	555.1	202.9	156.2
1673	9.3	71.8	93.7	123.7	1731	-0.1	0.0	0.0	0.0	1789	9.1	381.6	253.9	225.8
1674	8.5	88.8	21.0	100.6	1732	-0.1	0.0	0.0	0.0	1790	10.2	620.3	169.9	374.8
1675	7.6	0.0	0.0	0.0	1733	-0.1	0.0	0.0	0.0	1791	10.9	379.2	202.0	370.4
1676	6.5	0.0	0.0	0.0	1734	-0.2	0.0	0.0	0.0	1792	10.9	574.9	118.3	547.9
1677	5.4	0.0	0.0	0.0	1735	0.3	47.1	25.1	15.3	1793	10.5	401.9	90.8	434.3
1678	4.7	0.0	0.0	0.0	1736	1.4	174.6	103.3	65.6	1794	10.0	213.1	30.4	230.4
1679	4.2	0.0	0.0	0.0	1737	2.7	16.0	138.5	83.7	1795	9.4	0.0	0.0	0.0
1680	3.7	0.0	0.0	0.0	1738	4.0	569.9	154.4	119.9	1796	8.7	0.0	0.0	0.0
1681	3.3	0.0	0.0	0.0	1739	5.3	707.6	143.0	125.8	1797	8.0	0.0	0.0	0.0
1682	2.9	0.0	0.0	0.0	1740	6.5	429.0	237.0	168.3	1798	7.4	0.0	0.0	0.0
1683	2.6	0.0	0.0	0.0	1741	7.1	880.3	112.9	236.1	1799	6.9	0.0	0.0	0.0
1684	2.2	0.0	0.0	0.0	1742	7.1	633.2	163.6	375.8	1800	6.3	0.0	0.0	0.0
1685	2.5	0.0	0.0	0.0	1743	7.6	449.9	182.5	404.5	1801	5.8	0.0	0.0	0.0
1686	3.5	0.0	0.0	0.0	1744	7.7	146.0	174.0	225.3	1802	5.4	0.0	0.0	0.0
1687	3.8	723.0	11.8	9.4	1745	7.0	110.5	103.5	166.3	1803	4.9	0.0	0.0	0.0
1688	4.1	10.5	72.8	43.9	1746	6.4	369.5	23.3	381.4	1804	4.4	0.0	0.0	0.0
1689	3.8	1.4	52.3	31.4	1747	5.6	0.0	0.0	0.0	1805	5.1	0.0	0.0	0.0
1690	3.2	32.7	201.0	122.2	1748	4.7	0.0	0.0	0.0	1806	5.8	0.0	0.0	0.0
1691	3.7	197.9	263.3	168.9	1749	3.8	0.0	0.0	0.0	1807	6.2	16.4	26.6	16.1
1692	4.8	768.5	134.9	126.9	1750	3.1	0.0	0.0	0.0	1808	7.2	707.4	58.4	50.9
1693	5.7	1.1	79.9	48.1	1751	2.4	0.0	0.0	0.0	1809	7.9	401.6	151.3	105.8
1694	6.8	105.4	265.5	205.4	1752	1.8	0.0	0.0	0.0	1810	8.5	375.1	204.9	141.5
1695	8.4	9.3	162.2	103.4	1753	1.3	0.0	0.0	0.0	1811	8.9	623.4	170.4	138.5
1696	8.7	125.3	169.1	204.9	1754	0.9	0.0	0.0	0.0	1812	10.4	797.0	132.3	129.3
1697	7.3	1.7	33.0	21.3	1755	0.5	0.0	0.0	0.0	1813	12.7	584.2	195.4	230.0
1698	6.4	98.8	23.0	111.7	1756	0.2	0.0	0.0	0.0	1814	13.4	468.3	214.8	335.2
1699	5.9	0.0	0.0	0.0	1757	0.1	0.0	0.0	0.0	1815	13.3	750.2	115.3	562.7
1700	5.2	0.0	0.0	0.0	1758	-0.1	0.0	0.0	0.0	1816	13.1	351.2	159.5	387.3
1701	4.5	0.0	0.0	0.0	1759	0.2	849.9	11.7	11.1	1817	12.6	293.6	103.1	339.5
1702	3.6	0.0	0.0	0.0	1760	1.3	528.8	75.4	56.6	1818	12.0	119.1	33.3	138.7
1703	3.0	0.0	0.0	0.0	1761	2.8	186.6	174.7	111.6	1819	11.0	0.0	0.0	0.0
1704	2.7	0.0	0.0	0.0	1762	4.3	756.4	111.8	103.7	1820	9.5	0.0	0.0	0.0
1705	2.4	0.0	0.0	0.0	1763	5.5	847.9	110.5	114.7	1821	8.2	0.0	0.0	0.0
1706	2.0	0.0	0.0	0.0	1764	7.0	787.4	132.9	128.2	1822	7.1	0.0	0.0	0.0
1707	1.6	0.0	0.0	0.0	1765	8.3	416.8	242.3	225.3	1823	6.3	0.0	0.0	0.0
1708	1.3	0.0	0.0	0.0	1766	8.6	645.3	161.5	380.3	1824	5.5	0.0	0.0	0.0
1709	0.9	0.0	0.0	0.0	1767	8.9	639.9	138.9	503.4	1825	4.8	0.0	0.0	0.0
1710	1.0	0.0	0.0	0.0	1768	8.7	511.8	128.3	501.0	1826	4.2	0.0	0.0	0.0
1711	1.4	1097.5	11.5	11.0	1769	7.9	34.4	95.0	89.5	1827	3.6	0.0	0.0	0.0
1712	1.3	177.5	100.8	64.1	1770	7.1	280.6	27.2	295.6	1828	3.0	0.0	0.0	0.0
1713	1.7	155.3	171.4	108.3	1771	6.2	0.0	0.0	0.0	1829	2.8	0.0	0.0	0.0
1714	1.8	343.3	203.2	138.2	1772	5.2	0.0	0.0	0.0	1830	2.8	0.0	0.0	0.0
1715	2.1	1.4	82.5	49.6	1773	4.2	0.0	0.0	0.0	1831	3.2	0.4	5.5	3.3

Year					Year					Year				
1832	4.1	0.4	19.3	11.6	1890	8.5	48.3	37.5	70.7	1948	3.8	0.0	0.0	0.0
1833	4.8	461.2	142.7	103.1	1891	7.3	0.0	0.0	0.0	1949	4.0	0.0	0.0	0.0
1834	5.0	891.8	91.8	99.8	1892	5.9	0.0	0.0	0.0	1950	4.2	0.0	0.0	0.0
1835	4.8	179.3	279.2	178.0	1893	4.6	0.0	0.0	0.0	1951	5.0	672.9	26.5	22.0
1836	5.4	1.8	104.4	62.8	1894	3.6	0.0	0.0	0.0	1952	7.0	326.6	112.9	76.1
1837	6.3	71.5	293.1	189.7	1895	2.9	0.0	0.0	0.0	1953	9.0	532.1	137.4	104.0
1838	6.3	129.4	281.2	225.8	1896	2.3	0.0	0.0	0.0	1954	10.3	646.7	147.5	122.6
1839	6.5	470.0	185.0	420.5	1897	1.8	0.0	0.0	0.0	1955	11.4	768.0	136.0	128.7
1840	6.5	8.2	127.4	83.2	1898	1.3	0.0	0.0	0.0	1956	12.5	904.5	119.2	131.0
1841	5.3	9.2	81.1	57.4	1899	0.9	0.0	0.0	0.0	1957	12.6	629.0	189.0	236.9
1842	4.1	19.0	29.1	36.4	1900	0.5	0.0	0.0	0.0	1958	12.8	752.2	140.3	418.1
1843	3.3	0.0	0.0	0.0	1901	1.5	0.0	0.0	0.0	1959	13.3	646.7	147.5	516.3
1844	2.9	0.0	0.0	0.0	1902	3.2	0.0	0.0	0.0	1960	13.0	467.9	150.2	480.3
1845	2.5	0.0	0.0	0.0	1903	4.5	352.4	37.5	25.3	1961	12.0	824.8	52.3	814.5
1846	2.1	0.0	0.0	0.0	1904	6.6	287.5	112.4	74.5	1962	11.1	196.4	46.8	224.6
1847	1.9	0.0	0.0	0.0	1905	8.7	177.2	189.4	120.6	1963	10.0	0.0	0.0	0.0
1848	1.8	0.0	0.0	0.0	1906	10.8	333.6	221.7	150.2	1964	8.6	0.0	0.0	0.0
1849	1.8	0.0	0.0	0.0	1907	13.0	787.6	129.1	124.9	1965	7.2	0.0	0.0	0.0
1850	1.9	0.0	0.0	0.0	1908	14.7	735.5	153.3	139.6	1966	6.2	0.0	0.0	0.0
1851	2.2	0.0	0.0	0.0	1909	16.2	795.0	136.5	237.1	1967	5.5	0.0	0.0	0.0
1852	2.4	0.0	0.0	0.0	1910	17.2	393.6	242.5	319.8	1968	4.9	0.0	0.0	0.0
1853	2.2	0.0	0.0	0.0	1911	18.1	608.4	154.8	494.7	1969	4.3	0.0	0.0	0.0
1854	1.9	0.0	0.0	0.0	1912	18.1	467.6	146.8	477.5	1970	3.8	0.0	0.0	0.0
1855	3.2	1.3	11.0	6.6	1913	17.3	34.3	107.9	97.2	1971	3.3	0.0	0.0	0.0
1856	5.3	299.0	107.0	71.2	1914	17.0	36.0	38.4	59.0	1972	2.9	0.0	0.0	0.0
1857	7.3	264.2	176.3	116.0	1915	16.3	0.0	0.0	0.0	1973	3.3	0.0	0.0	0.0
1858	8.7	405.3	202.0	141.7	1916	15.4	0.0	0.0	0.0	1974	3.9	0.0	0.0	0.0
1859	9.4	494.6	210.7	155.7	1917	14.5	0.0	0.0	0.0	1975	3.6	131.9	49.9	31.2
1860	10.4	176.7	302.5	192.7	1918	13.7	0.0	0.0	0.0	1976	3.5	827.0	53.0	53.5
1861	12.1	321.6	275.6	227.8	1919	13.2	0.0	0.0	0.0	1977	4.5	589.8	127.1	100.5
1862	13.0	299.2	261.7	289.2	1920	12.6	0.0	0.0	0.0	1978	5.9	600.4	160.9	128.5
1863	13.3	865.5	95.2	627.6	1921	12.1	0.0	0.0	0.0	1979	7.4	637.6	175.0	144.5
1864	13.4	243.9	178.8	310.1	1922	11.6	0.0	0.0	0.0	1980	9.2	711.7	163.6	145.3
1865	12.4	434.7	93.1	467.6	1923	11.0	0.0	0.0	0.0	1981	10.4	432.9	253.6	237.4
1866	11.7	14.0	29.4	31.7	1924	10.3	0.0	0.0	0.0	1982	11.2	457.2	229.8	341.1
1867	10.6	0.0	0.0	0.0	1925	10.5	0.0	0.0	0.0	1983	11.7	937.9	100.4	681.1
1868	9.5	0.0	0.0	0.0	1926	10.4	0.0	0.0	0.0	1984	11.6	166.2	196.8	256.8
1869	8.6	0.0	0.0	0.0	1927	10.4	87.5	44.4	27.4	1985	11.3	288.3	118.9	345.2
1870	7.5	0.0	0.0	0.0	1928	12.0	822.5	51.5	51.6	1986	10.9	131.9	49.9	162.0
1871	7.0	0.0	0.0	0.0	1929	13.5	513.0	139.6	104.3	1987	10.0	0.0	0.0	0.0
1872	6.4	0.0	0.0	0.0	1930	14.2	653.2	144.6	120.8	1988	8.7	0.0	0.0	0.0
1873	5.9	0.0	0.0	0.0	1931	15.3	359.1	253.4	173.9	1989	7.5	0.0	0.0	0.0
1874	5.5	0.0	0.0	0.0	1932	16.6	817.0	131.7	132.4	1990	6.6	0.0	0.0	0.0
1875	5.0	0.0	0.0	0.0	1933	17.1	730.0	155.9	236.5	1991	6.0	0.0	0.0	0.0
1876	4.5	0.0	0.0	0.0	1934	17.2	390.4	245.2	320.2	1992	5.4	0.0	0.0	0.0
1877	4.9	0.0	0.0	0.0	1935	17.3	903.2	95.0	654.0	1993	4.9	0.0	0.0	0.0
1878	5.4	0.0	0.0	0.0	1936	16.7	605.6	121.1	577.4	1994	4.5	0.0	0.0	0.0
1879	6.3	146.7	40.2	25.2	1937	15.1	282.2	115.1	336.9	1995	4.1	0.0	0.0	0.0
1880	7.6	199.6	116.5	74.7	1938	13.7	243.3	43.4	269.3	1996	3.7	0.0	0.0	0.0
1881	7.9	609.1	117.6	94.3	1939	12.3	0.0	0.0	0.0	1997	4.0	0.0	0.0	0.0
1882	8.4	531.4	173.1	131.1	1940	10.8	0.0	0.0	0.0	1998	4.3	0.0	0.0	0.0
1883	9.8	823.4	119.7	121.0	1941	9.3	0.0	0.0	0.0	1999	5.5	0.4	8.3	5.0
1884	11.2	470.2	235.5	171.5	1942	8.1	0.0	0.0	0.0	2000	7.3	348.3	114.7	78.1
1885	11.2	569.1	204.4	233.4	1943	7.2	0.0	0.0	0.0	2001	7.8	432.0	160.7	114.4
1886	10.7	543.2	198.1	359.2	1944	6.4	0.0	0.0	0.0	2002	8.2	179.1	254.9	162.5
1887	10.6	737.1	121.5	559.3	1945	5.7	0.0	0.0	0.0	2003	8.6	26.1	255.7	155.1
1888	10.3	325.9	169.7	373.0	1946	5.0	0.0	0.0	0.0	2004	9.2	141.9	317.9	200.2
1889	9.4	529.4	83.7	552.0	1947	4.4	0.0	0.0	0.0	2005	10.1	407.6	263.1	238.3

2006	10.7	374.2	255.0	319.5	2064	7.4	0.0	0.0	0.0	2122	9.3	541.3	185.2	141.6
2007	10.7	584.8	166.5	487.2	2065	6.7	0.0	0.0	0.0	2123	10.6	280.7	287.8	190.9
2008	10.4	49.9	187.1	153.9	2066	6.1	0.0	0.0	0.0	2124	11.0	47.3	305.8	186.7
2009	10.2	74.5	126.6	146.7	2067	5.5	0.0	0.0	0.0	2125	11.1	6.4	212.2	128.6
2010	9.9	106.7	52.0	138.0	2068	4.9	0.0	0.0	0.0	2126	10.3	22.9	259.9	166.2
2011	8.9	0.0	0.0	0.0	2069	3.9	0.0	0.0	0.0	2127	9.6	503.6	195.6	451.8
2012	7.9	0.0	0.0	0.0	2070	3.3	0.0	0.0	0.0	2128	9.1	4.8	120.1	76.1
2013	7.1	0.0	0.0	0.0	2071	4.0	1.5	19.3	11.6	2129	8.7	49.3	132.3	126.3
2014	6.4	0.0	0.0	0.0	2072	5.1	4.3	73.7	44.4	2130	8.0	4.6	35.5	25.9
2015	6.0	0.0	0.0	0.0	2073	5.9	61.8	197.8	121.3	2131	6.6	0.0	0.0	0.0
2016	5.4	0.0	0.0	0.0	2074	6.4	3.2	123.2	74.1	2132	5.5	0.0	0.0	0.0
2017	5.0	0.0	0.0	0.0	2075	6.5	28.6	264.8	160.7	2133	4.6	0.0	0.0	0.0
2018	4.6	0.0	0.0	0.0	2076	6.7	0.9	79.9	48.0	2134	3.9	0.0	0.0	0.0
2019	4.2	0.0	0.0	0.0	2077	7.7	250.3	310.2	235.9	2135	3.5	0.0	0.0	0.0
2020	3.9	0.0	0.0	0.0	2078	8.8	0.9	74.4	45.1	2136	3.2	0.0	0.0	0.0
2021	4.8	0.0	0.0	0.0	2079	9.1	134.5	263.4	247.3	2137	3.0	0.0	0.0	0.0
2022	5.5	0.0	0.0	0.0	2080	9.0	4.0	106.6	67.3	2138	3.0	0.0	0.0	0.0
2023	5.7	526.2	38.7	28.8	2081	9.0	22.8	115.6	91.0	2139	3.1	0.0	0.0	0.0
2024	7.5	359.0	115.4	79.0	2082	9.0	28.9	51.9	60.1	2140	3.1	0.0	0.0	0.0
2025	9.7	537.4	140.9	107.2	2083	8.3	0.0	0.0	0.0	2141	3.9	0.0	0.0	0.0
2026	10.8	397.9	216.6	151.6	2084	6.7	0.0	0.0	0.0	2142	3.6	0.0	0.0	0.0
2027	11.2	695.0	159.8	139.6	2085	5.3	0.0	0.0	0.0	2143	3.1	50.6	62.3	38.0
2028	12.6	847.0	128.1	133.9	2086	4.3	0.0	0.0	0.0	2144	4.3	512.9	103.6	77.5
2029	13.5	607.4	199.8	240.0	2087	3.4	0.0	0.0	0.0	2145	5.4	92.6	210.6	130.5
2030	13.1	299.5	275.8	298.9	2088	2.5	0.0	0.0	0.0	2146	6.3	318.4	244.3	164.7
2031	13.2	243.8	248.8	310.9	2089	1.8	0.0	0.0	0.0	2147	7.1	116.3	309.1	193.1
2032	13.1	256.0	192.6	329.4	2090	1.1	0.0	0.0	0.0	2148	8.4	171.8	328.7	209.2
2033	12.5	359.0	115.4	410.6	2091	0.5	0.0	0.0	0.0	2149	9.4	80.5	323.7	210.3
2034	12.0	3.0	24.7	17.8	2092	0.5	0.0	0.0	0.0	2150	9.8	177.5	307.5	263.9
2035	11.0	0.0	0.0	0.0	2093	0.5	0.0	0.0	0.0	2151	10.3	7.3	181.9	114.0
2036	9.8	0.0	0.0	0.0	2094	-0.6	0.0	0.0	0.0	2152	10.1	686.8	115.1	643.6
2037	8.6	0.0	0.0	0.0	2095	-0.7	1.4	19.3	11.6	2153	9.3	76.9	140.3	157.3
2038	7.7	0.0	0.0	0.0	2096	0.3	36.1	125.4	76.3	2154	8.7	4.9	38.2	27.9
2039	7.1	0.0	0.0	0.0	2097	0.9	118.4	208.4	130.2	2155	7.5	0.0	0.0	0.0
2040	6.6	0.0	0.0	0.0	2098	1.9	3.5	128.6	77.3	2156	6.0	0.0	0.0	0.0
2041	6.1	0.0	0.0	0.0	2099	3.2	4.7	171.9	103.5	2157	5.0	0.0	0.0	0.0
2042	5.7	0.0	0.0	0.0	2100	3.6	14.7	256.4	154.9	2158	4.2	0.0	0.0	0.0
2043	5.2	0.0	0.0	0.0	2101	3.5	5.3	193.6	117.2	2159	3.8	0.0	0.0	0.0
2044	4.8	0.0	0.0	0.0	2102	3.9	489.9	227.7	355.5	2160	3.6	0.0	0.0	0.0
2045	5.1	0.0	0.0	0.0	2103	4.7	564.8	177.3	481.3	2161	3.6	0.0	0.0	0.0
2046	5.8	0.0	0.0	0.0	2104	5.3	10.5	153.7	101.0	2162	3.6	0.0	0.0	0.0
2047	6.2	86.7	56.1	34.6	2105	4.8	64.0	133.8	141.1	2163	3.7	0.0	0.0	0.0
2048	7.9	457.1	104.9	75.6	2106	4.8	87.0	60.8	123.7	2164	3.7	0.0	0.0	0.0
2049	9.5	751.5	97.7	90.7	2107	4.7	0.0	0.0	0.0	2165	4.1	0.0	0.0	0.0
2050	10.4	613.5	161.3	130.4	2108	3.8	0.0	0.0	0.0	2166	3.8	0.0	0.0	0.0
2051	12.0	902.7	114.6	126.0	2109	3.6	0.0	0.0	0.0	2167	4.2	28.0	59.8	36.2
2052	13.5	666.4	181.3	154.0	2110	3.9	0.0	0.0	0.0	2168	5.6	10.6	107.8	65.0
2053	15.1	642.9	189.1	241.0	2111	4.2	0.0	0.0	0.0	2169	6.3	71.4	208.8	128.5
2054	15.8	572.2	199.1	374.6	2112	4.4	0.0	0.0	0.0	2170	6.9	42.8	250.1	152.5
2055	15.9	279.0	244.7	331.9	2113	4.7	0.0	0.0	0.0	2171	7.5	359.8	271.3	186.5
2056	15.6	643.4	119.8	609.5	2114	4.9	0.0	0.0	0.0	2172	8.4	83.8	326.6	201.8
2057	14.9	421.3	109.6	466.4	2115	4.9	0.0	0.0	0.0	2173	9.3	19.9	274.8	168.8
2058	13.9	15.7	45.3	43.0	2116	4.7	0.0	0.0	0.0	2174	9.8	594.7	198.1	385.1
2059	12.7	0.0	0.0	0.0	2117	4.7	0.0	0.0	0.0	2175	9.7	57.3	258.4	193.1
2060	11.3	0.0	0.0	0.0	2118	4.8	0.0	0.0	0.0	2176	8.9	0.9	52.4	32.1
2061	9.9	0.0	0.0	0.0	2119	4.9	11.9	48.4	29.2	2177	8.3	146.8	145.9	227.3
2062	8.8	0.0	0.0	0.0	2120	5.9	33.3	126.1	76.6	2178	8.5	0.6	13.8	8.9
2063	8.1	0.0	0.0	0.0	2121	7.5	0.7	46.9	28.2	2179	8.8	0.0	0.0	0.0

2180	8.6	0.0	0.0	0.0	2238	4.1	0.0	0.0	0.0	2296	13.8	471.9	171.8	497.9
2181	7.7	0.0	0.0	0.0	2239	4.1	5.6	46.3	27.9	2297	13.1	154.1	156.5	240.6
2182	6.9	0.0	0.0	0.0	2240	5.0	251.5	145.7	95.4	2298	12.5	41.8	73.4	85.9
2183	6.7	0.0	0.0	0.0	2241	5.9	5.4	133.5	80.4	2299	11.8	0.0	0.0	0.0
2184	6.4	0.0	0.0	0.0	2242	7.2	641.7	162.6	135.3	2300	10.6	0.0	0.0	0.0
2185	6.3	0.0	0.0	0.0	2243	8.6	733.7	156.4	143.3	2301	9.5	0.0	0.0	0.0
2186	6.1	0.0	0.0	0.0	2244	9.1	472.7	257.5	188.5	2302	8.6	0.0	0.0	0.0
2187	6.0	0.0	0.0	0.0	2245	9.6	354.7	295.8	249.1	2303	7.7	0.0	0.0	0.0
2188	5.7	0.0	0.0	0.0	2246	9.9	197.2	313.0	276.3	2304	6.6	0.0	0.0	0.0
2189	4.8	0.0	0.0	0.0	2247	9.5	130.5	277.9	253.6	2305	5.5	0.0	0.0	0.0
2190	5.6	0.0	0.0	0.0	2248	9.0	276.4	207.8	356.0	2306	4.6	0.0	0.0	0.0
2191	6.5	12.0	53.7	32.4	2249	8.6	344.8	134.6	409.0	2307	3.8	0.0	0.0	0.0
2192	6.2	3.7	73.8	44.4	2250	8.7	55.6	71.6	98.7	2308	3.2	0.0	0.0	0.0
2193	6.6	71.9	211.0	129.9	2251	8.7	0.0	0.0	0.0	2309	3.3	0.0	0.0	0.0
2194	7.3	0.9	68.9	41.4	2252	7.8	0.0	0.0	0.0	2310	3.3	0.0	0.0	0.0
2195	7.7	42.2	288.3	175.8	2253	6.7	0.0	0.0	0.0	2311	3.6	400.1	68.4	47.8
2196	9.1	63.5	321.2	197.2	2254	6.3	0.0	0.0	0.0	2312	5.5	75.3	154.9	95.4
2197	9.9	6.1	212.3	128.6	2255	6.4	0.0	0.0	0.0	2313	7.1	589.9	145.3	115.6
2198	10.2	455.2	244.5	350.6	2256	6.5	0.0	0.0	0.0	2314	8.1	567.8	187.7	146.8
2199	10.8	41.2	250.9	177.9	2257	6.8	0.0	0.0	0.0	2315	9.4	752.2	153.1	143.6
2200	10.0	174.8	216.0	275.8	2258	7.1	0.0	0.0	0.0	2316	10.9	930.4	135.7	149.5
2201	8.5	29.1	129.7	105.5	2259	7.3	0.0	0.0	0.0	2317	11.9	613.8	210.9	251.1
2202	7.7	36.2	64.0	74.7	2260	7.3	0.0	0.0	0.0	2318	12.3	245.7	310.1	296.4
2203	7.9	0.0	0.0	0.0	2261	7.3	0.0	0.0	0.0	2319	12.6	594.7	179.7	503.5
2204	7.6	0.0	0.0	0.0	2262	7.3	0.0	0.0	0.0	2320	12.4	317.3	206.2	389.2
2205	6.6	0.0	0.0	0.0	2263	7.9	0.5	13.8	8.3	2321	11.9	181.9	157.5	267.5
2206	5.9	0.0	0.0	0.0	2264	9.6	477.0	117.0	85.6	2322	11.3	488.1	61.2	525.9
2207	5.3	0.0	0.0	0.0	2265	12.3	3.9	114.8	69.1	2323	10.5	0.0	0.0	0.0
2208	4.6	0.0	0.0	0.0	2266	13.9	457.9	217.1	157.4	2324	9.5	0.0	0.0	0.0
2209	4.0	0.0	0.0	0.0	2267	13.9	154.5	319.2	202.0	2325	8.4	0.0	0.0	0.0
2210	3.5	0.0	0.0	0.0	2268	14.8	124.1	340.1	213.0	2326	7.6	0.0	0.0	0.0
2211	3.0	0.0	0.0	0.0	2269	15.3	514.7	244.2	250.6	2327	7.0	0.0	0.0	0.0
2212	3.0	0.0	0.0	0.0	2270	14.9	41.9	293.5	194.9	2328	6.3	0.0	0.0	0.0
2213	3.4	0.0	0.0	0.0	2271	14.9	49.5	262.0	190.1	2329	5.7	0.0	0.0	0.0
2214	3.8	0.0	0.0	0.0	2272	14.1	49.8	209.5	167.4	2330	5.2	0.0	0.0	0.0
2215	5.2	753.3	34.7	32.0	2273	13.6	13.9	120.4	85.5	2331	4.6	0.0	0.0	0.0
2216	6.7	590.9	96.0	76.1	2274	14.0	10.0	56.7	44.0	2332	4.2	0.0	0.0	0.0
2217	7.6	269.0	207.0	136.6	2275	13.7	0.0	0.0	0.0	2333	3.5	0.0	0.0	0.0
2218	8.7	645.9	160.3	133.9	2276	12.4	0.0	0.0	0.0	2334	2.7	0.0	0.0	0.0
2219	10.3	919.8	122.8	135.2	2277	10.9	0.0	0.0	0.0	2335	3.1	44.5	78.1	47.6
2220	11.8	789.0	148.6	145.5	2278	9.7	0.0	0.0	0.0	2336	4.4	780.9	71.9	69.6
2221	12.7	927.8	132.0	266.1	2279	8.8	0.0	0.0	0.0	2337	5.2	49.0	214.8	131.2
2222	13.3	773.9	143.7	433.1	2280	8.2	0.0	0.0	0.0	2338	5.6	66.8	275.7	169.5
2223	13.9	385.6	233.5	396.5	2281	7.6	0.0	0.0	0.0	2339	5.9	41.8	298.6	182.1
2224	14.0	517.4	157.0	527.2	2282	7.1	0.0	0.0	0.0	2340	6.5	0.9	88.2	53.0
2225	13.5	363.6	130.3	424.3	2283	6.7	0.0	0.0	0.0	2341	6.8	251.1	330.3	249.2
2226	13.0	118.3	73.1	162.5	2284	6.4	0.0	0.0	0.0	2342	7.6	652.1	186.3	404.8
2227	12.2	0.0	0.0	0.0	2285	7.5	0.0	0.0	0.0	2343	8.9	2.0	104.4	63.9
2228	11.3	0.0	0.0	0.0	2286	8.2	0.0	0.0	0.0	2344	8.7	32.0	203.7	149.0
2229	10.3	0.0	0.0	0.0	2287	7.8	78.5	78.2	48.2	2345	7.4	400.9	133.7	461.7
2230	9.5	0.0	0.0	0.0	2288	8.7	69.2	151.8	93.3	2346	6.4	4.5	46.4	32.3
2231	8.9	0.0	0.0	0.0	2289	10.6	32.8	200.8	122.0	2347	6.0	0.0	0.0	0.0
2232	8.2	0.0	0.0	0.0	2290	12.2	786.6	124.7	121.9	2348	5.4	0.0	0.0	0.0
2233	7.7	0.0	0.0	0.0	2291	12.8	447.2	252.8	182.2	2349	4.6	0.0	0.0	0.0
2234	7.1	0.0	0.0	0.0	2292	12.8	977.1	141.6	156.1	2350	3.9	0.0	0.0	0.0
2235	6.5	0.0	0.0	0.0	2293	12.5	245.8	328.0	246.6	2351	3.5	0.0	0.0	0.0
2236	6.0	0.0	0.0	0.0	2294	12.6	1.9	115.4	70.1	2352	3.0	0.0	0.0	0.0
2237	5.1	0.0	0.0	0.0	2295	13.4	1.7	96.2	58.8	2353	2.6	0.0	0.0	0.0

2354	2.2	0.0	0.0	0.0	2412	6.1	1.0	93.7	56.3	2470	5.7	0.0	0.0	0.0
2355	1.8	0.0	0.0	0.0	2413	5.9	5.7	217.9	131.9	2471	5.7	0.0	0.0	0.0
2356	1.6	0.0	0.0	0.0	2414	5.3	32.3	293.7	190.7	2472	5.6	0.0	0.0	0.0
2357	1.0	0.0	0.0	0.0	2415	5.3	2.4	117.9	72.4	2473	5.5	0.0	0.0	0.0
2358	0.5	0.0	0.0	0.0	2416	5.5	0.9	57.9	35.5	2474	5.4	0.0	0.0	0.0
2359	0.8	39.2	78.8	48.0	2417	5.4	2.3	65.9	41.7	2475	5.2	0.0	0.0	0.0
2360	1.9	71.6	158.3	97.4	2418	5.5	3.0	41.1	27.7	2476	5.0	0.0	0.0	0.0
2361	3.0	25.2	198.6	120.4	2419	5.6	6.6	10.9	13.0	2477	4.2	0.0	0.0	0.0
2362	4.1	4.0	150.3	90.4	2420	5.4	0.0	0.0	0.0	2478	3.8	1.0	5.5	3.3
2363	5.2	44.1	302.3	184.5	2421	5.2	0.0	0.0	0.0	2479	4.1	2.3	38.4	23.1
2364	5.7	616.6	211.9	172.8	2422	5.1	0.0	0.0	0.0	2480	4.8	1.1	46.8	28.1
2365	6.0	7.8	238.7	144.8	2423	5.0	0.0	0.0	0.0	2481	5.6	5.1	141.8	85.3
2366	6.6	657.1	185.6	406.7	2424	4.9	0.0	0.0	0.0	2482	6.3	6.8	195.7	117.8
2367	6.9	19.8	237.7	155.8	2425	4.8	0.0	0.0	0.0	2483	6.5	1.0	88.2	53.0
2368	6.7	431.2	185.5	472.0	2426	4.9	0.0	0.0	0.0	2484	6.9	4.6	199.2	119.9
2369	6.8	137.3	163.0	228.4	2427	4.9	0.0	0.0	0.0	2485	7.9	1.6	118.2	71.3
2370	6.6	7.9	59.7	43.7	2428	5.0	0.0	0.0	0.0	2486	8.7	6.2	215.0	131.8
2371	5.8	0.0	0.0	0.0	2429	4.5	0.0	0.0	0.0	2487	9.1	15.2	234.7	150.9
2372	4.9	0.0	0.0	0.0	2430	3.5	5.4	10.9	6.6	2488	9.3	4.7	136.4	85.8
2373	4.2	0.0	0.0	0.0	2431	3.7	0.8	22.1	13.3	2489	9.3	3.1	79.4	50.6
2374	3.8	0.0	0.0	0.0	2432	4.7	4.5	92.8	55.9	2490	9.1	15.7	77.3	62.1
2375	3.6	0.0	0.0	0.0	2433	5.1	1.0	60.6	36.4	2491	9.1	3.9	10.9	10.4
2376	3.2	0.0	0.0	0.0	2434	5.4	5.6	179.8	108.2	2492	8.9	0.0	0.0	0.0
2377	2.9	0.0	0.0	0.0	2435	5.2	1.0	88.2	53.0	2493	8.7	0.0	0.0	0.0
2378	2.7	0.0	0.0	0.0	2436	5.3	3.3	167.0	100.4	2494	8.5	0.0	0.0	0.0
2379	2.5	0.0	0.0	0.0	2437	5.9	1.2	99.1	59.7	2495	8.5	0.0	0.0	0.0
2380	2.3	0.0	0.0	0.0	2438	5.8	1.0	88.2	53.4	2496	8.4	0.0	0.0	0.0
2381	1.8	0.0	0.0	0.0	2439	5.3	2.5	120.7	74.0	2497	8.4	0.0	0.0	0.0
2382	2.2	130.6	15.2	9.3	2440	4.8	43.9	219.3	168.2	2498	8.4	0.0	0.0	0.0
2383	3.6	3.2	41.1	24.7	2441	4.4	0.8	38.6	23.9	2499	8.3	0.0	0.0	0.0
2384	5.3	122.4	164.9	103.2	2442	4.2	57.6	88.5	110.7	2500	8.2	0.0	0.0	0.0
2385	6.5	161.5	232.8	147.7	2443	4.0	5.4	10.9	11.8	2501	8.1	0.0	0.0	0.0
2386	6.9	681.4	156.8	136.1	2444	3.7	0.0	0.0	0.0	2502	7.4	514.6	16.3	11.7
2387	7.5	169.7	327.3	208.3	2445	3.3	0.0	0.0	0.0	2503	7.7	161.3	98.9	62.7
2388	8.0	30.4	307.8	186.9	2446	3.0	0.0	0.0	0.0	2504	8.4	305.2	160.0	107.3
2389	8.6	157.1	348.7	241.3	2447	2.7	0.0	0.0	0.0	2505	8.4	43.8	224.3	136.9
2390	9.0	135.8	329.0	258.5	2448	2.4	0.0	0.0	0.0	2506	9.3	150.0	298.0	188.4
2391	9.0	215.8	282.5	313.0	2449	2.3	0.0	0.0	0.0	2507	10.3	402.7	279.3	196.7
2392	9.4	149.5	233.3	265.0	2450	2.2	0.0	0.0	0.0	2508	11.1	723.9	177.9	162.3
2393	9.6	190.3	163.1	278.8	2451	2.2	0.0	0.0	0.0	2509	11.2	67.0	345.6	221.1
2394	9.2	72.4	86.2	124.2	2452	2.3	0.0	0.0	0.0	2510	11.7	62.6	323.9	222.5
2395	8.8	9.0	10.8	15.3	2453	3.0	0.0	0.0	0.0	2511	12.1	5.2	177.2	109.8
2396	8.3	0.0	0.0	0.0	2454	2.7	533.0	13.6	9.7	2512	11.6	34.8	217.9	159.8
2397	7.4	0.0	0.0	0.0	2455	2.2	0.6	19.3	11.6	2513	11.0	34.1	156.6	126.3
2398	6.8	0.0	0.0	0.0	2456	3.2	20.7	142.4	86.2	2514	9.8	243.8	95.1	300.7
2399	6.4	0.0	0.0	0.0	2457	4.3	61.8	229.3	140.7	2515	8.7	17.8	18.6	28.6
2400	6.2	0.0	0.0	0.0	2458	5.1	135.0	294.9	185.4	2516	7.6	0.0	0.0	0.0
2401	5.9	0.0	0.0	0.0	2459	5.8	355.9	291.3	200.2	2517	6.2	0.0	0.0	0.0
2402	5.5	0.0	0.0	0.0	2460	7.5	99.4	351.9	218.7	2518	5.2	0.0	0.0	0.0
2403	5.1	0.0	0.0	0.0	2461	8.4	252.0	338.2	254.6	2519	4.8	0.0	0.0	0.0
2404	4.6	0.0	0.0	0.0	2462	8.4	431.7	267.3	354.5	2520	4.3	0.0	0.0	0.0
2405	4.1	0.0	0.0	0.0	2463	9.0	167.8	293.5	287.7	2521	4.1	0.0	0.0	0.0
2406	3.7	6.6	10.9	6.5	2464	8.3	0.9	57.9	35.5	2522	4.0	0.0	0.0	0.0
2407	3.7	3.9	46.5	28.0	2465	7.4	65.4	164.8	161.0	2523	4.0	0.0	0.0	0.0
2408	3.7	0.8	38.6	23.2	2466	7.1	8.9	67.6	49.5	2524	4.1	0.0	0.0	0.0
2409	4.5	1.3	71.5	43.0	2467	6.6	38.6	17.8	48.6	2525	4.0	0.0	0.0	0.0
2410	5.2	5.8	182.5	109.8	2468	6.1	0.0	0.0	0.0	2526	3.6	74.6	23.8	14.6
2411	5.5	14.4	259.2	156.5	2469	5.8	0.0	0.0	0.0	2527	4.0	0.5	19.3	11.6

2528	5.4	0.7	38.6	23.2	2586	10.1	1.9	38.5	25.0	2644	5.5	0.0	0.0	0.0
2529	6.4	12.8	187.7	113.3	2587	9.6	2.2	11.0	8.8	2645	6.0	0.0	0.0	0.0
2530	7.2	72.8	291.8	179.8	2588	9.0	0.0	0.0	0.0	2646	7.1	25.0	28.7	17.4
2531	7.6	5.7	209.8	126.3	2589	8.3	0.0	0.0	0.0	2647	8.4	221.8	107.9	69.9
2532	7.9	5.6	220.7	132.8	2590	7.7	0.0	0.0	0.0	2648	9.8	888.0	70.7	77.7
2533	8.7	14.1	280.7	171.3	2591	7.3	0.0	0.0	0.0	2649	10.9	6.6	165.8	99.9
2534	9.2	1.0	88.2	53.3	2592	6.9	0.0	0.0	0.0	2650	11.4	17.4	249.5	150.9
2535	9.6	1.0	77.2	46.9	2593	6.6	0.0	0.0	0.0	2651	12.3	141.2	346.9	218.7
2536	9.6	9.3	175.7	113.1	2594	6.3	0.0	0.0	0.0	2652	13.1	174.2	364.5	232.5
2537	9.0	94.5	175.1	194.7	2595	6.0	0.0	0.0	0.0	2653	12.8	199.9	360.8	257.9
2538	8.7	3.5	49.2	33.0	2596	5.7	0.0	0.0	0.0	2654	12.5	225.5	336.4	303.3
2539	8.4	2.9	11.0	9.5	2597	5.3	0.0	0.0	0.0	2655	12.3	146.6	307.9	281.9
2540	8.1	0.0	0.0	0.0	2598	4.9	6.2	19.1	11.5	2656	11.8	136.2	253.2	265.2
2541	7.7	0.0	0.0	0.0	2599	5.3	37.1	97.0	59.0	2657	11.6	8.3	130.0	85.8
2542	7.3	0.0	0.0	0.0	2600	6.0	81.6	179.0	110.6	2658	12.0	4.3	60.1	40.3
2543	7.1	0.0	0.0	0.0	2601	6.6	434.9	198.7	142.5	2659	11.8	9.6	24.3	24.0
2544	6.9	0.0	0.0	0.0	2602	7.1	27.6	265.2	160.9	2660	10.9	0.0	0.0	0.0
2545	6.8	0.0	0.0	0.0	2603	7.2	22.0	289.2	175.2	2661	9.8	0.0	0.0	0.0
2546	6.6	0.0	0.0	0.0	2604	7.9	459.3	280.5	204.3	2662	9.5	0.0	0.0	0.0
2547	6.5	0.0	0.0	0.0	2605	9.1	388.0	306.1	263.8	2663	9.1	0.0	0.0	0.0
2548	6.4	0.0	0.0	0.0	2606	9.3	244.4	329.6	307.7	2664	8.5	0.0	0.0	0.0
2549	6.1	0.0	0.0	0.0	2607	9.4	40.4	279.0	194.2	2665	8.0	0.0	0.0	0.0
2550	5.7	31.3	23.2	14.1	2608	9.7	204.7	245.1	317.5	2666	7.5	0.0	0.0	0.0
2551	5.7	16.1	82.5	49.9	2609	9.0	38.0	165.6	135.3	2667	7.1	0.0	0.0	0.0
2552	6.7	30.6	157.7	95.8	2610	7.9	32.4	95.3	89.5	2668	6.7	0.0	0.0	0.0
2553	8.6	506.3	178.1	133.5	2611	7.1	6.2	19.1	17.5	2669	6.4	0.0	0.0	0.0
2554	10.7	456.4	233.5	169.6	2612	6.3	0.0	0.0	0.0	2670	6.5	3.1	16.4	9.9
2555	12.4	767.8	155.0	149.2	2613	5.8	0.0	0.0	0.0	2671	7.1	6.5	73.4	44.2
2556	13.6	182.9	357.6	228.7	2614	5.2	0.0	0.0	0.0	2672	8.0	3.4	90.3	54.3
2557	14.9	142.9	360.9	246.0	2615	4.5	0.0	0.0	0.0	2673	8.9	1.0	66.1	39.7
2558	15.9	122.4	340.5	259.4	2616	4.1	0.0	0.0	0.0	2674	9.7	7.0	206.5	124.3
2559	16.7	30.6	266.2	180.0	2617	3.8	0.0	0.0	0.0	2675	9.8	4.9	201.8	121.5
2560	16.7	261.0	233.5	357.7	2618	3.5	0.0	0.0	0.0	2676	9.4	3.2	172.5	103.7
2561	16.7	95.6	177.0	196.8	2619	3.1	0.0	0.0	0.0	2677	8.9	8.6	259.9	157.7
2562	16.7	34.1	92.4	89.5	2620	2.9	0.0	0.0	0.0	2678	8.6	8.0	241.2	148.3
2563	15.3	9.4	18.9	20.6	2621	2.6	0.0	0.0	0.0	2679	9.0	7.9	214.1	133.7
2564	13.8	0.0	0.0	0.0	2622	2.9	5.4	19.1	11.5	2680	9.7	1.1	68.9	42.2
2565	12.3	0.0	0.0	0.0	2623	4.2	272.5	102.4	67.7	2681	9.7	1.5	60.5	37.7
2566	10.9	0.0	0.0	0.0	2624	5.4	0.6	38.6	23.2	2682	9.3	0.6	22.1	13.8
2567	9.9	0.0	0.0	0.0	2625	6.2	326.2	225.5	152.9	2683	9.2	4.3	19.1	15.7
2568	9.1	0.0	0.0	0.0	2626	7.5	321.4	276.0	186.8	2684	9.0	0.0	0.0	0.0
2569	8.4	0.0	0.0	0.0	2627	9.2	181.6	342.2	218.8	2685	8.8	0.0	0.0	0.0
2570	7.8	0.0	0.0	0.0	2628	10.5	960.2	149.9	165.5	2686	8.7	0.0	0.0	0.0
2571	7.2	0.0	0.0	0.0	2629	10.7	145.8	365.4	249.4	2687	8.6	0.0	0.0	0.0
2572	6.6	0.0	0.0	0.0	2630	10.8	261.5	327.1	313.8	2688	8.6	0.0	0.0	0.0
2573	6.0	0.0	0.0	0.0	2631	11.8	910.4	119.2	675.2	2689	8.5	0.0	0.0	0.0
2574	5.9	0.6	5.5	3.3	2632	12.1	844.6	99.2	762.5	2690	8.5	0.0	0.0	0.0
2575	6.5	1.0	27.6	16.6	2633	11.9	201.3	181.0	299.0	2691	8.5	0.0	0.0	0.0
2576	7.2	2.8	79.5	47.8	2634	11.4	6.4	70.7	48.8	2692	8.5	0.0	0.0	0.0
2577	8.1	292.9	229.2	153.1	2635	10.6	5.4	19.1	16.7	2693	8.5	0.0	0.0	0.0
2578	8.6	4.6	169.2	101.8	2636	10.1	0.0	0.0	0.0	2694	8.1	675.7	20.3	17.3
2579	9.2	4.2	183.0	110.1	2637	9.4	0.0	0.0	0.0	2695	7.7	54.5	108.7	66.5
2580	10.0	74.1	353.1	217.7	2638	8.5	0.0	0.0	0.0	2696	8.0	55.9	179.9	110.2
2581	10.5	9.1	259.5	157.6	2639	7.9	0.0	0.0	0.0	2697	8.7	68.4	248.2	152.7
2582	11.3	4.5	188.4	115.0	2640	7.5	0.0	0.0	0.0	2698	9.6	416.8	252.6	179.5
2583	11.6	86.7	298.8	236.8	2641	7.0	0.0	0.0	0.0	2699	11.2	943.6	141.2	155.9
2584	11.3	5.8	155.2	98.0	2642	6.6	0.0	0.0	0.0	2700	12.2	71.6	359.3	221.3
2585	10.6	5.1	106.3	68.7	2643	6.0	0.0	0.0	0.0	2701	12.0	336.3	328.1	266.6

```
2702 12.7 746.9 165.1 434.7      2760  2.6   0.0   0.0   0.0      2818  9.7   1.0  82.7  49.7
2703 13.8  95.1 308.2 247.9      2761  2.0   0.0   0.0   0.0      2819 10.6   8.9 254.2 153.2
2704 13.7 310.9 233.0 398.0      2762  1.7   0.0   0.0   0.0      2820 11.7   4.8 215.5 129.7
2705 13.1 442.9 148.9 507.3      2763  1.7   0.0   0.0   0.0      2821 12.7  32.3 334.7 207.6
2706 12.4 400.3  95.0 454.6      2764  2.0   0.0   0.0   0.0      2822 13.5   6.2 228.6 139.9
2707 11.5  14.5  29.4  31.8      2765  2.8   0.0   0.0   0.0      2823 13.6  25.6 274.0 181.3
2708 11.0   0.0   0.0   0.0      2766  3.0  61.3  41.5  25.4      2824 13.8  39.7 241.2 177.5
2709 10.3   0.0   0.0   0.0      2767  3.1  60.0 114.9  70.5      2825 13.9   7.7 135.6  88.6
2710  9.8   0.0   0.0   0.0      2768  4.5  37.0 176.1 107.2      2826 13.7   1.0  33.1  20.9
2711  9.3   0.0   0.0   0.0      2769  6.0 460.8 200.3 146.1      2827 13.4   2.4  19.2  13.9
2712  8.7   0.0   0.0   0.0      2770  6.3  18.0 257.1 155.5      2828 13.0   0.0   0.0   0.0
2713  8.1   0.0   0.0   0.0      2771  6.5 565.7 232.7 182.9      2829 12.5   0.0   0.0   0.0
2714  7.5   0.0   0.0   0.0      2772  7.4 184.6 369.9 236.8      2830 12.1   0.0   0.0   0.0
2715  6.8   0.0   0.0   0.0      2773  7.3   8.7 265.1 160.9      2831 12.0   0.0   0.0   0.0
2716  6.2   0.0   0.0   0.0      2774  7.7   7.5 241.5 148.2      2832 11.8   0.0   0.0   0.0
2717  6.0   0.0   0.0   0.0      2775  9.4  50.2 296.2 210.9      2833 11.6   0.0   0.0   0.0
2718  6.1   4.5  21.8  13.1      2776 10.0 507.8 187.6 533.3      2834 11.4   0.0   0.0   0.0
2719  6.0 222.7 113.2  73.4      2777 10.0 233.8 187.6 332.5      2835 11.2   0.0   0.0   0.0
2720  6.6 122.3 191.0 119.6      2778 10.0  66.4 116.0 135.4      2836 10.9   0.0   0.0   0.0
2721  8.2  10.7 191.3 115.3      2779  9.4  11.1  32.3  30.1      2837 10.0   0.0   0.0   0.0
2722  9.8 154.6 312.0 197.6      2780  8.3   0.0   0.0   0.0      2838  9.4   9.2  35.1  21.2
2723 10.2 195.2 346.0 222.4      2781  7.2   0.0   0.0   0.0      2839  9.7   0.4  22.1  13.3
2724 10.0 372.9 317.0 220.1      2782  6.6   0.0   0.0   0.0      2840 10.3 179.1 197.5 126.2
2725  9.3  29.6 326.2 201.9      2783  6.4   0.0   0.0   0.0      2841 10.6  29.4 233.1 141.5
2726  8.4   8.0 243.9 149.9      2784  6.3   0.0   0.0   0.0      2842 11.8 551.5 214.5 166.9
2727  9.1   2.8 137.0  84.0      2785  6.4   0.0   0.0   0.0      2843 13.2  10.5 264.1 159.3
2728  9.7  54.7 244.4 192.1      2786  6.7   0.0   0.0   0.0      2844 14.1 538.0 258.9 199.4
2729  9.2  43.4 176.5 146.8      2787  6.9   0.0   0.0   0.0      2845 15.5 116.2 376.9 250.4
2730  9.2   2.9  52.0  34.1      2788  7.1   0.0   0.0   0.0      2846 16.1 267.0 337.0 322.0
2731  9.2  17.2  31.9  35.9      2789  7.2   0.0   0.0   0.0      2847 15.5 535.9 219.9 485.2
2732  8.4   0.0   0.0   0.0      2790  7.1   5.4  27.3  16.4      2848 14.7  47.4 247.7 187.8
2733  7.5   0.0   0.0   0.0      2791  6.8   5.0  70.9  42.7      2849 13.7  37.8 180.9 144.0
2734  6.9   0.0   0.0   0.0      2792  7.1  87.5 193.3 119.7      2850 12.5  16.8 101.0  77.1
2735  6.3   0.0   0.0   0.0      2793  9.1 240.0 252.2 164.9      2851 11.6   5.5  30.0  23.3
2736  5.8   0.0   0.0   0.0      2794 11.4 668.8 173.7 150.0      2852 10.5   0.0   0.0   0.0
2737  5.4   0.0   0.0   0.0      2795 12.2 119.9 354.9 222.1      2853  9.4   0.0   0.0   0.0
2738  5.3   0.0   0.0   0.0      2796 12.6 807.9 156.6 159.5      2854  8.6   0.0   0.0   0.0
2739  5.2   0.0   0.0   0.0      2797 12.9 883.2 142.6 269.3      2855  7.9   0.0   0.0   0.0
2740  5.2   0.0   0.0   0.0      2798 12.4 537.9 243.9 387.7      2856  7.3   0.0   0.0   0.0
2741  5.5   0.0   0.0   0.0      2799 12.3 288.4 293.4 366.5      2857  6.7   0.0   0.0   0.0
2742  5.8  99.9  41.1  25.5      2800 12.4 182.4 260.0 307.0      2858  6.3   0.0   0.0   0.0
2743  6.0   1.3  35.8  21.5      2801 12.0  92.6 194.0 203.4      2859  5.8   0.0   0.0   0.0
2744  7.4  20.8 160.8  97.3      2802 11.3   0.6  24.8  15.5      2860  6.0   0.0   0.0   0.0
2745  8.8 328.5 231.9 157.5      2803 10.8   9.2  32.4  28.4      2861  5.3   0.0   0.0   0.0
2746  9.8 338.8 277.8 189.6      2804  9.6   0.0   0.0   0.0      2862  5.1   0.4   8.3   5.0
2747 10.1   6.6 231.1 139.1      2805  8.2   0.0   0.0   0.0      2863  6.1   0.4  22.1  13.3
2748  9.7 449.0 290.4 210.4      2806  7.3   0.0   0.0   0.0      2864  7.4 108.2 200.0 124.7
2749  9.6  39.7 340.2 212.4      2807  6.9   0.0   0.0   0.0      2865  8.8   2.8 117.8  70.8
2750  9.8 101.4 350.3 255.7      2808  6.4   0.0   0.0   0.0      2866  9.7   2.4 131.6  79.1
2751 10.1  11.6 236.6 149.6      2809  6.0   0.0   0.0   0.0      2867 11.0  45.9 333.7 203.8
2752 10.2  53.1 245.2 191.1      2810  5.8   0.0   0.0   0.0      2868 12.1   6.7 250.0 150.6
2753  9.7  33.3 172.2 134.7      2811  5.7   0.0   0.0   0.0      2869 12.6  31.3 335.4 207.8
2754  9.2   3.8  60.1  39.8      2812  5.7   0.0   0.0   0.0      2870 13.0   9.9 261.8 161.5
2755  8.2  13.6  32.1  32.6      2813  5.7   0.0   0.0   0.0      2871 13.7   5.8 201.5 124.7
2756  6.6   0.0   0.0   0.0      2814  5.4   1.2  13.8   8.3      2872 14.2  73.8 260.0 216.9
2757  5.3   0.0   0.0   0.0      2815  5.4   0.5  22.1  13.3      2873 14.0   0.8  46.9  28.9
2758  4.2   0.0   0.0   0.0      2816  6.9   1.6  66.0  39.7      2874 13.6   1.0  33.1  20.8
2759  3.4   0.0   0.0   0.0      2817  8.7 112.4 263.4 164.4      2875 13.1   2.7  21.9  15.8
```

39

2876	12.3	0.0	0.0	0.0	2934	10.1	92.3	55.4	34.3	2992	9.6	1.9	98.9	60.9
2877	11.5	0.0	0.0	0.0	2935	10.8	3.9	68.3	41.1	2993	8.8	2.4	85.0	53.3
2878	10.9	0.0	0.0	0.0	2936	12.5	144.1	205.1	129.5	2994	8.2	166.6	134.3	244.2
2879	10.4	0.0	0.0	0.0	2937	14.1	36.7	245.1	149.2	2995	7.4	0.8	13.8	9.0
2880	10.0	0.0	0.0	0.0	2938	15.9	356.6	281.5	194.0	2996	6.6	0.0	0.0	0.0
2881	9.6	0.0	0.0	0.0	2939	17.7	139.1	362.5	228.4	2997	6.3	0.0	0.0	0.0
2882	9.3	0.0	0.0	0.0	2940	18.5	543.1	259.6	200.8	2998	5.7	0.0	0.0	0.0
2883	9.0	0.0	0.0	0.0	2941	19.2	290.3	353.1	272.5	2999	5.2	0.0	0.0	0.0
2884	9.0	0.0	0.0	0.0	2942	20.1	100.0	360.0	260.8	3000	4.8	0.0	0.0	0.0
2885	8.9	0.0	0.0	0.0	2943	19.9	168.3	322.8	304.3	3001	4.5	0.0	0.0	0.0
2886	8.8	0.6	11.0	6.6	2944	18.9	148.8	270.6	284.9	3002	4.3	0.0	0.0	0.0
2887	8.9	2.9	57.5	34.6	2945	18.5	179.1	203.4	289.4	3003	4.2	0.0	0.0	0.0
2888	9.6	17.7	164.5	99.4	2946	17.8	37.7	119.7	108.9	3004	4.7	0.0	0.0	0.0
2889	10.4	2.6	112.4	67.6	2947	16.6	4.2	30.0	22.1	3005	5.4	0.0	0.0	0.0
2890	10.8	6.2	206.8	124.5	2948	15.4	0.0	0.0	0.0	3006	4.6	2.4	24.7	14.8
2891	11.1	6.6	236.5	142.4	2949	13.8	0.0	0.0	0.0	3007	4.3	20.2	113.4	68.7
2892	11.0	1.1	104.7	62.9	2950	12.3	0.0	0.0	0.0	3008	5.9	1.9	76.9	46.2
2893	11.0	78.0	371.7	239.3	2951	11.5	0.0	0.0	0.0	3009	7.5	130.4	274.7	172.6
2894	11.2	30.4	317.8	204.3	2952	10.8	0.0	0.0	0.0	3010	9.0	657.9	182.5	156.4
2895	11.3	22.9	272.8	178.8	2953	10.1	0.0	0.0	0.0	3011	10.7	4.9	212.7	128.0
2896	11.3	75.2	261.7	219.0	2954	9.6	0.0	0.0	0.0	3012	12.1	766.8	172.9	168.1
2897	10.7	10.1	148.3	98.5	2955	9.2	0.0	0.0	0.0	3013	12.2	21.6	323.5	198.6
2898	9.8	0.8	30.3	19.0	2956	9.1	0.0	0.0	0.0	3014	12.0	90.3	361.4	257.2
2899	9.2	4.8	30.0	22.6	2957	10.2	0.0	0.0	0.0	3015	12.9	197.7	322.6	323.1
2900	8.5	0.0	0.0	0.0	2958	10.5	3.3	27.4	16.5	3016	13.0	8.7	194.8	124.0
2901	7.8	0.0	0.0	0.0	2959	10.6	610.1	81.1	66.2	3017	12.9	18.8	172.0	120.7
2902	7.2	0.0	0.0	0.0	2960	12.0	104.9	205.6	128.1	3018	13.1	4.6	76.4	50.3
2903	6.7	0.0	0.0	0.0	2961	12.9	959.0	112.3	124.0	3019	13.4	3.5	30.1	21.5
2904	6.2	0.0	0.0	0.0	2962	13.7	170.1	323.8	206.3	3020	13.4	0.0	0.0	0.0
2905	5.9	0.0	0.0	0.0	2963	14.7	444.4	284.3	205.7	3021	13.1	0.0	0.0	0.0
2906	5.6	0.0	0.0	0.0	2964	16.4	850.7	148.7	160.1	3022	13.0	0.0	0.0	0.0
2907	5.3	0.0	0.0	0.0	2965	17.9	436.0	302.9	272.8	3023	12.9	0.0	0.0	0.0
2908	5.3	0.0	0.0	0.0	2966	18.2	758.7	166.1	439.0	3024	12.5	0.0	0.0	0.0
2909	5.7	0.0	0.0	0.0	2967	18.1	351.7	283.9	401.3	3025	12.3	0.0	0.0	0.0
2910	6.0	44.6	50.3	30.7	2968	17.8	166.3	270.9	299.3	3026	12.1	0.0	0.0	0.0
2911	6.9	595.3	81.3	65.4	2969	17.3	13.6	160.6	109.0	3027	11.8	0.0	0.0	0.0
2912	8.7	57.3	194.0	118.9	2970	17.4	340.9	117.6	405.6	3028	11.4	0.0	0.0	0.0
2913	10.3	602.8	166.0	134.8	2971	16.8	2.6	24.7	17.4	3029	10.0	0.0	0.0	0.0
2914	10.5	940.0	130.6	144.3	2972	15.8	0.0	0.0	0.0	3030	9.4	3.4	30.1	18.1
2915	9.9	781.6	158.0	156.1	2973	14.6	0.0	0.0	0.0	3031	10.6	2.5	57.6	34.6
2916	10.5	451.3	295.5	214.6	2974	13.5	0.0	0.0	0.0	3032	11.4	0.7	46.9	28.2
2917	11.9	40.9	349.4	218.2	2975	12.7	0.0	0.0	0.0	3033	12.1	21.5	231.5	140.2
2918	13.1	7.5	246.9	151.5	2976	12.0	0.0	0.0	0.0	3034	13.0	55.9	312.7	191.6
2919	13.5	50.1	303.6	215.2	2977	11.4	0.0	0.0	0.0	3035	13.5	94.5	363.3	225.5
2920	13.4	5.4	163.5	102.5	2978	10.9	0.0	0.0	0.0	3036	14.4	113.0	385.4	240.7
2921	13.6	289.5	188.4	383.9	2979	10.3	0.0	0.0	0.0	3037	14.6	14.1	302.1	184.2
2922	13.9	306.4	118.7	373.0	2980	9.8	0.0	0.0	0.0	3038	13.6	169.2	364.7	294.4
2923	13.7	19.7	44.9	46.0	2981	8.5	0.0	0.0	0.0	3039	13.4	247.1	314.3	350.4
2924	13.0	0.0	0.0	0.0	2982	8.3	6.2	38.1	22.9	3040	13.8	43.1	254.7	188.1
2925	12.6	0.0	0.0	0.0	2983	9.6	252.9	128.4	84.4	3041	13.6	42.7	194.3	156.3
2926	12.2	0.0	0.0	0.0	2984	10.0	8.4	146.2	88.1	3042	12.9	4.8	79.1	52.2
2927	12.0	0.0	0.0	0.0	2985	10.5	47.3	255.2	155.9	3043	12.0	2.2	24.7	17.0
2928	11.7	0.0	0.0	0.0	2986	11.1	221.2	317.5	206.2	3044	10.9	0.0	0.0	0.0
2929	11.5	0.0	0.0	0.0	2987	11.4	146.2	364.4	230.3	3045	9.7	0.0	0.0	0.0
2930	11.3	0.0	0.0	0.0	2988	10.9	3.0	175.3	105.4	3046	9.2	0.0	0.0	0.0
2931	11.1	0.0	0.0	0.0	2989	9.8	51.8	362.2	228.1	3047	9.0	0.0	0.0	0.0
2932	10.7	0.0	0.0	0.0	2990	9.7	94.3	361.2	258.9	3048	8.7	0.0	0.0	0.0
2933	10.4	0.0	0.0	0.0	2991	9.9	64.7	315.0	231.5	3049	8.5	0.0	0.0	0.0

```
3050  8.5   0.0    0.0    0.0     3108 10.9 165.4 387.3 246.4     3166 13.8   0.0    0.0    0.0
3051  8.3   0.0    0.0    0.0     3109 11.7   3.7 196.8 118.9     3167 12.9   0.0    0.0    0.0
3052  8.6   0.0    0.0    0.0     3110 12.0   3.2 172.5 104.9     3168 12.1   0.0    0.0    0.0
3053  8.5   0.0    0.0    0.0     3111 12.0   4.3 180.2 110.9     3169 11.4   0.0    0.0    0.0
3054  8.2   4.4   35.5   21.4     3112 12.6 163.3 278.2 300.4     3170 10.9   0.0    0.0    0.0
3055  8.5  14.4 109.5   66.1     3113 12.7  79.1 210.2 199.5     3171 10.3   0.0    0.0    0.0
3056  9.4   2.6  90.5   54.4     3114 12.1  72.9 138.5 154.3     3172  9.9   0.0    0.0    0.0
3057 10.8  32.6 246.9 150.1     3115 11.5   4.7  38.2  27.4     3173 10.6   0.0    0.0    0.0
3058 11.3   3.1 153.3  92.2     3116 10.6   0.0    0.0    0.0     3174 11.4  27.3  62.4  37.9
3059 10.8   4.9 212.8 128.0     3117  9.8   0.0    0.0    0.0     3175 12.2 192.5 144.0  92.5
3060 10.7   7.4 263.2 158.6     3118  9.1   0.0    0.0    0.0     3176 13.2 686.6 114.3 101.2
3061 11.0   1.0 101.9  61.4     3119  8.8   0.0    0.0    0.0     3177 14.2 426.4 225.5 161.6
3062 10.8   2.2 142.7  86.6     3120  8.5   0.0    0.0    0.0     3178 15.4  40.1 306.8 187.0
3063 10.4   1.0  85.4  51.9     3121  8.3   0.0    0.0    0.0     3179 16.3   5.3 223.5 134.5
3064 10.2  16.7 223.2 147.6     3122  8.3   0.0    0.0    0.0     3180 17.0 287.3 362.3 242.0
3065  9.9   1.0  55.1  34.0     3123  8.1   0.0    0.0    0.0     3181 18.0 297.5 359.1 277.8
3066  9.6  80.2 136.7 160.5     3124  8.5   0.0    0.0    0.0     3182 17.8 296.8 341.7 337.0
3067  9.3   1.0  16.5  10.8     3125  9.4   0.0    0.0    0.0     3183 17.8 434.9 264.6 442.1
3068  8.7   0.0    0.0    0.0     3126 10.4  21.7  57.9  35.0     3184 18.4 369.6 241.2 445.9
3069  8.1   0.0    0.0    0.0     3127 11.1  37.0 130.1  79.2     3185 18.3 428.0 173.7 500.1
3070  7.7   0.0    0.0    0.0     3128 11.7   3.4 104.0  62.5     3186 18.2  58.7 139.6 140.8
3071  7.3   0.0    0.0    0.0     3129 13.0  11.8 212.2 128.1     3187 17.4   3.6  35.6  24.7
3072  6.9   0.0    0.0    0.0     3130 14.4   1.1  90.9  54.6     3188 15.9   0.0    0.0    0.0
3073  6.6   0.0    0.0    0.0     3131 14.9 109.8 369.5 230.6     3189 14.1   0.0    0.0    0.0
3074  6.4   0.0    0.0    0.0     3132 15.2 216.3 379.7 246.2     3190 13.0   0.0    0.0    0.0
3075  6.3   0.0    0.0    0.0     3133 15.7 374.1 331.3 277.2     3191 12.8   0.0    0.0    0.0
3076  6.3   0.0    0.0    0.0     3134 16.4 153.9 369.9 290.5     3192 12.6   0.0    0.0    0.0
3077  6.2   0.0    0.0    0.0     3135 16.5 126.1 333.2 282.2     3193 12.5   0.0    0.0    0.0
3078  5.8   0.9  16.5   9.9     3136 16.1 102.5 278.9 251.1     3194 12.4   0.0    0.0    0.0
3079  6.5   0.6  27.6  16.6     3137 16.1   7.3 146.5  94.7     3195 12.2   0.0    0.0    0.0
3080  7.7   6.1 136.1  81.9     3138 15.6  40.8 131.7 118.7     3196 11.9   0.0    0.0    0.0
3081  8.2   1.7  96.2  57.8     3139 13.9   7.0  46.2  34.4     3197 11.2   0.0    0.0    0.0
3082  8.8   1.0  88.2  53.0     3140 12.5   0.0    0.0    0.0     3198 10.8  63.6  70.4  43.2
3083  9.7  89.4 364.2 225.7     3141 11.8   0.0    0.0    0.0     3199 11.3 120.3 147.3  92.2
3084 10.1   1.0 104.7  62.9     3142 11.2   0.0    0.0    0.0     3200 11.7  20.1 182.1 110.2
3085 10.8   5.3 234.4 141.7     3143 10.8   0.0    0.0    0.0     3201 12.3  26.1 245.0 148.6
3086 11.7   1.0  99.2  60.0     3144 10.3   0.0    0.0    0.0     3202 12.8  17.6 273.2 165.2
3087 12.0   1.1  90.9  55.2     3145  9.9   0.0    0.0    0.0     3203 13.2   7.5 255.0 153.6
3088 12.2  60.1 266.3 209.0     3146  9.7   0.0    0.0    0.0     3204 14.4 148.5 392.0 247.9
3089 12.1   0.8  49.6  30.5     3147  9.5   0.0    0.0    0.0     3205 14.9  41.9 361.2 225.5
3090 12.0   1.1  38.6  24.2     3148  9.4   0.0    0.0    0.0     3206 14.1   5.0 218.2 133.1
3091 11.7   1.6  22.0  14.7     3149 10.2   0.0    0.0    0.0     3207 13.5   2.8 147.9  90.6
3092 11.1   0.0    0.0    0.0     3150 10.9 433.3  55.7  39.9     3208 13.1 125.2 283.4 272.0
3093 10.5   0.0    0.0    0.0     3151 11.6 188.8 143.0  91.7     3209 12.8  34.9 197.2 150.5
3094 10.0   0.0    0.0    0.0     3152 13.2 728.4 104.7  97.2     3210 12.6 137.2 147.4 221.8
3095  9.6   0.0    0.0    0.0     3153 14.6 500.6 203.2 152.6     3211 12.1   3.4  35.6  24.6
3096  9.3   0.0    0.0    0.0     3154 15.8 757.8 152.0 146.5     3212 10.8   0.0    0.0    0.0
3097  9.0   0.0    0.0    0.0     3155 17.5 821.5 149.7 156.5     3213  9.0   0.0    0.0    0.0
3098  8.7   0.0    0.0    0.0     3156 18.7 729.2 188.4 175.3     3214  7.6   0.0    0.0    0.0
3099  8.5   0.0    0.0    0.0     3157 19.4 820.2 157.9 266.6     3215  6.4   0.0    0.0    0.0
3100  8.3   0.0    0.0    0.0     3158 20.8 267.8 349.2 328.7     3216  5.3   0.0    0.0    0.0
3101  7.3   0.0    0.0    0.0     3159 21.6 871.9 127.1 644.6     3217  4.2   0.0    0.0    0.0
3102  6.8   0.9  16.5   9.9     3160 20.9 509.3 200.6 535.9     3218  3.3   0.0    0.0    0.0
3103  7.7   4.8  81.8  49.2     3161 20.2 425.2 173.5 497.7     3219  2.6   0.0    0.0    0.0
3104  8.7  22.4 181.2 109.8     3162 19.8 659.6  80.1 690.7     3220  2.9   0.0    0.0    0.0
3105  9.8 258.6 264.5 174.4     3163 18.5  12.3  53.7  44.0     3221  4.3   0.0    0.0    0.0
3106 10.9   2.8 145.2  87.3     3164 16.8   0.0    0.0    0.0     3222  5.5  22.5  63.0  38.2
3107 11.0   1.5 121.0  72.7     3165 15.1   0.0    0.0    0.0     3223  6.7 385.5 124.6  87.2
```

3224	9.1	841.7	85.9	92.0	3282	12.8	13.7	117.7	83.9	3340	10.1	0.0 0.0 0.0
3225	11.5	755.2	129.8	124.9	3283	12.5	1.5	24.8	16.3	3341	10.3	4.9 8.2 4.9
3226	13.3	399.1	277.9	196.2	3284	12.1	0.0	0.0	0.0	3342	9.9	5.4 49.1 29.5
3227	15.3	789.3	159.5	160.3	3285	11.7	0.0	0.0	0.0	3343	10.2	13.8 120.3 72.7
3228	17.2	752.2	180.5	173.0	3286	11.3	0.0	0.0	0.0	3344	12.6	34.5 202.4 123.1
3229	18.3	850.1	151.8	269.3	3287	11.1	0.0	0.0	0.0	3345	15.2	118.8 288.6 180.7
3230	19.2	918.2	148.5	497.0	3288	10.8	0.0	0.0	0.0	3346	16.9	65.3 329.0 202.3
3231	20.1	593.8	209.4	511.7	3289	10.7	0.0	0.0	0.0	3347	18.0	374.9 320.1 223.1
3232	20.2	344.7	249.3	429.9	3290	10.6	0.0	0.0	0.0	3348	19.2	226.3 383.7 249.9
3233	19.8	500.0	159.0	556.8	3291	10.4	0.0	0.0	0.0	3349	20.3	509.4 281.9 276.0
3234	19.4	513.6	105.1	561.9	3292	10.4	0.0	0.0	0.0	3350	20.6	74.8 368.6 254.3
3235	18.6	40.8	68.4	80.0	3293	10.6	0.0	0.0	0.0	3351	20.3	243.9 326.0 353.5
3236	17.4	0.0	0.0	0.0	3294	11.3	5.7	49.0	29.5	3352	20.6	29.2 253.8 175.8
3237	16.1	0.0	0.0	0.0	3295	13.1	6.2	97.9	59.0	3353	20.2	69.3 218.5 194.8
3238	15.0	0.0	0.0	0.0	3296	15.5	236.8	214.7	140.4	3354	19.9	62.5 148.3 149.3
3239	14.2	0.0	0.0	0.0	3297	17.5	38.6	261.8	159.5	3355	19.3	4.2 43.7 30.2
3240	13.4	0.0	0.0	0.0	3298	18.6	485.9	249.8	186.0	3356	18.0	4.9 8.2 9.2
3241	12.7	0.0	0.0	0.0	3299	19.3	73.9	366.9	226.2	3357	16.8	0.0 0.0 0.0
3242	12.1	0.0	0.0	0.0	3300	20.0	689.5	205.5	183.0	3358	15.7	0.0 0.0 0.0
3243	11.5	0.0	0.0	0.0	3301	20.3	78.8	387.3	248.9	3359	15.0	0.0 0.0 0.0
3244	11.0	0.0	0.0	0.0	3302	19.9	129.9	376.3	283.3	3360	14.5	0.0 0.0 0.0
3245	11.2	0.0	0.0	0.0	3303	19.0	90.5	335.5	260.0	3361	14.1	0.0 0.0 0.0
3246	11.4	7.3	51.6	31.1	3304	18.3	30.1	253.3	176.4	3362	13.8	0.0 0.0 0.0
3247	11.7	6.5	97.9	58.9	3305	17.8	3.8	114.8	72.4	3363	13.5	0.0 0.0 0.0
3248	13.0	5.5	136.2	82.0	3306	16.6	5.1	90.0	58.9	3364	13.3	0.0 0.0 0.0
3249	14.0	839.2	111.7	119.4	3307	15.4	1.8	27.5	18.2	3365	13.1	27.4 13.0 7.9
3250	14.1	61.4	324.0	199.0	3308	14.8	0.0	0.0	0.0	3366	12.9	6.7 54.3 32.7
3251	15.0	73.1	365.1	225.0	3309	14.2	0.0	0.0	0.0	3367	13.3	341.3 136.5 93.5
3252	16.2	20.0	327.2	198.0	3310	13.5	0.0	0.0	0.0	3368	13.7	5.5 138.9 83.6
3253	16.5	171.0	391.4	270.7	3311	12.7	0.0	0.0	0.0	3369	13.5	580.6 183.7 147.1
3254	15.8	350.3	326.4	351.4	3312	12.0	0.0	0.0	0.0	3370	13.7	2.4 139.9 84.1
3255	14.9	508.4	240.7	474.7	3313	11.4	0.0	0.0	0.0	3371	13.6	11.4 285.0 171.9
3256	14.1	7.2	192.7	121.5	3314	10.9	0.0	0.0	0.0	3372	13.7	6.0 253.1 152.4
3257	13.1	5.1	130.9	83.2	3315	10.6	0.0	0.0	0.0	3373	13.9	25.3 341.9 210.4
3258	12.8	51.9	141.3	135.1	3316	10.5	0.0	0.0	0.0	3374	13.1	5.6 234.3 143.0
3259	12.8	10.9	56.5	44.3	3317	10.7	0.0	0.0	0.0	3375	12.1	399.0 281.5 426.9
3260	12.3	0.0	0.0	0.0	3318	10.3	35.0	71.7	43.6	3376	11.9	0.9 74.4 45.4
3261	11.7	0.0	0.0	0.0	3319	9.5	32.2	136.4	82.9	3377	11.1	110.8 225.6 236.9
3262	11.2	0.0	0.0	0.0	3320	9.9	16.6	180.7	109.3	3378	10.3	33.0 138.8 115.1
3263	10.6	0.0	0.0	0.0	3321	10.3	530.4	198.3	152.5	3379	9.7	2.3 32.9 21.9
3264	10.2	0.0	0.0	0.0	3322	10.7	7.3	230.7	139.0	3380	9.0	27.4 13.0 31.7
3265	9.9	0.0	0.0	0.0	3323	11.3	109.9	375.9	234.6	3381	8.2	0.0 0.0 0.0
3266	9.7	0.0	0.0	0.0	3324	11.9	727.5	190.7	177.6	3382	7.4	0.0 0.0 0.0
3267	9.5	0.0	0.0	0.0	3325	12.9	10.6	293.6	178.4	3383	6.9	0.0 0.0 0.0
3268	9.4	0.0	0.0	0.0	3326	13.2	252.0	358.4	326.7	3384	6.3	0.0 0.0 0.0
3269	9.1	0.0	0.0	0.0	3327	14.4	210.2	332.2	335.4	3385	5.9	0.0 0.0 0.0
3270	8.7	0.7	16.6	9.9	3328	15.6	108.4	287.1	260.1	3386	5.6	0.0 0.0 0.0
3271	9.2	7.5	103.1	62.1	3329	15.6	1.7	77.0	47.7	3387	5.3	0.0 0.0 0.0
3272	10.4	13.0	171.5	103.5	3330	15.2	7.7	105.7	70.9	3388	5.9	0.0 0.0 0.0
3273	11.4	1.1	79.9	48.0	3331	14.5	4.9	46.4	32.5	3389	6.8	7.7 10.9 6.5
3274	12.3	5.5	207.1	124.6	3332	13.6	0.0	0.0	0.0	3390	7.0	5.1 49.1 29.5
3275	12.9	100.2	373.1	232.1	3333	12.6	0.0	0.0	0.0	3391	8.1	9.5 113.4 68.4
3276	13.1	70.6	383.4	236.1	3334	12.2	0.0	0.0	0.0	3392	10.5	5.7 141.6 85.3
3277	13.1	1.1	107.4	64.7	3335	12.0	0.0	0.0	0.0	3393	11.6	4.6 163.7 98.5
3278	13.0	21.6	315.6	198.9	3336	11.5	0.0	0.0	0.0	3394	11.9	572.4 220.0 175.0
3279	13.0	4.0	177.6	109.1	3337	11.1	0.0	0.0	0.0	3395	13.0	122.4 378.7 237.4
3280	13.0	33.8	256.6	181.4	3338	10.7	0.0	0.0	0.0	3396	13.5	852.4 152.9 166.2
3281	13.1	7.5	151.9	98.0	3339	10.4	0.0	0.0	0.0	3397	14.1	335.3 351.6 281.3

3398	16.4	3.2	177.9	108.2	3456	11.8	0.0	0.0	0.0	3514	18.7	187.6	340.9	218.8
3399	17.7	185.8	338.2	322.9	3457	11.4	0.0	0.0	0.0	3515	19.5	354.1	330.6	228.1
3400	17.9	1.3	88.1	53.9	3458	11.2	0.0	0.0	0.0	3516	20.8	196.4	393.8	253.6
3401	18.1	103.9	226.0	230.8	3459	10.8	0.0	0.0	0.0	3517	22.1	369.8	341.0	282.2
3402	18.1	68.5	151.5	156.9	3460	11.0	0.0	0.0	0.0	3518	22.7	437.6	299.4	372.5
3403	17.6	19.4	68.7	59.6	3461	10.9	2.9	8.2	4.9	3519	23.1	332.4	305.9	397.4
3404	16.7	21.0	13.2	26.1	3462	10.1	3.3	41.1	24.7	3520	23.1	117.3	293.6	270.5
3405	15.9	0.0	0.0	0.0	3463	10.2	117.4	159.0	99.5	3521	22.4	124.9	231.0	252.5
3406	15.5	0.0	0.0	0.0	3464	11.4	6.4	149.6	90.1	3522	21.3	59.6	153.9	149.5
3407	15.3	0.0	0.0	0.0	3465	13.1	55.6	278.1	170.5	3523	20.0	10.1	64.7	48.3
3408	15.1	0.0	0.0	0.0	3466	14.5	762.5	153.8	150.0	3524	18.8	7.6	13.6	14.7
3409	15.0	0.0	0.0	0.0	3467	15.8	518.3	266.5	203.3	3525	17.7	0.0	0.0	0.0
3410	14.8	0.0	0.0	0.0	3468	17.1	206.7	390.8	252.6	3526	16.8	0.0	0.0	0.0
3411	14.5	0.0	0.0	0.0	3469	17.3	589.6	249.0	273.1	3527	16.3	0.0	0.0	0.0
3412	14.2	0.0	0.0	0.0	3470	16.9	168.6	378.4	301.4	3528	15.6	0.0	0.0	0.0
3413	13.3	16.4	13.3	8.0	3471	17.5	155.7	343.3	306.4	3529	15.0	0.0	0.0	0.0
3414	13.1	1.8	30.2	18.2	3472	17.8	750.6	134.0	685.0	3530	14.6	0.0	0.0	0.0
3415	13.9	44.3	145.8	89.0	3473	17.1	123.3	229.5	250.4	3531	14.2	0.0	0.0	0.0
3416	14.4	9.4	164.8	99.3	3474	16.4	78.5	155.9	169.0	3532	14.0	0.0	0.0	0.0
3417	15.5	54.5	276.2	169.2	3475	15.8	3.7	43.7	29.8	3533	13.9	58.5	19.6	12.0
3418	16.3	243.1	328.1	215.1	3476	14.7	10.6	13.5	17.2	3534	14.2	28.0	77.8	47.2
3419	15.7	14.6	299.0	180.6	3477	13.4	0.0	0.0	0.0	3535	15.2	280.8	150.2	100.0
3420	16.3	209.1	389.3	251.9	3478	12.2	0.0	0.0	0.0	3536	16.6	90.1	229.1	142.0
3421	18.1	5.6	247.9	149.9	3479	11.4	0.0	0.0	0.0	3537	17.5	11.7	223.0	134.5
3422	18.4	148.5	379.1	293.0	3480	10.7	0.0	0.0	0.0	3538	17.7	10.0	253.5	152.9
3423	18.0	20.0	284.9	183.9	3481	10.1	0.0	0.0	0.0	3539	18.0	66.2	369.3	227.2
3424	18.0	596.8	179.5	589.3	3482	9.8	0.0	0.0	0.0	3540	18.9	107.6	399.5	249.2
3425	18.0	150.2	227.6	274.1	3483	9.4	0.0	0.0	0.0	3541	19.6	294.4	368.1	282.6
3426	18.0	157.1	156.9	245.4	3484	9.3	0.0	0.0	0.0	3542	19.8	54.5	362.5	241.5
3427	17.5	116.3	84.1	160.6	3485	10.1	84.8	18.7	11.5	3543	19.9	22.0	291.6	189.1
3428	16.6	16.4	13.3	22.2	3486	11.5	268.4	81.9	54.2	3544	19.8	11.7	223.0	143.2
3429	15.7	0.0	0.0	0.0	3487	13.7	82.1	157.2	97.2	3545	19.6	4.1	122.9	77.5
3430	14.6	0.0	0.0	0.0	3488	15.6	419.3	185.0	132.2	3546	19.2	58.1	154.3	148.3
3431	13.7	0.0	0.0	0.0	3489	16.8	949.7	121.0	133.8	3547	18.4	69.3	86.4	117.1
3432	12.9	0.0	0.0	0.0	3490	18.3	544.9	231.5	180.2	3548	17.4	4.1	10.9	10.1
3433	12.3	0.0	0.0	0.0	3491	19.1	924.6	153.1	169.4	3549	16.4	0.0	0.0	0.0
3434	11.8	0.0	0.0	0.0	3492	20.1	795.0	167.7	170.6	3550	15.6	0.0	0.0	0.0
3435	11.2	0.0	0.0	0.0	3493	21.1	804.7	164.7	267.6	3551	15.1	0.0	0.0	0.0
3436	11.3	0.0	0.0	0.0	3494	21.8	683.3	199.7	421.1	3552	14.5	0.0	0.0	0.0
3437	10.5	69.3	16.8	10.3	3495	22.8	645.1	194.4	532.0	3553	13.9	0.0	0.0	0.0
3438	10.2	4.3	46.4	27.9	3496	22.5	906.5	115.5	798.8	3554	13.5	0.0	0.0	0.0
3439	11.5	180.7	156.7	100.2	3497	21.4	762.5	102.9	757.7	3555	13.0	0.0	0.0	0.0
3440	12.7	36.2	206.8	125.9	3498	20.9	172.2	158.9	260.7	3556	12.7	0.0	0.0	0.0
3441	13.9	121.1	291.8	182.8	3499	19.9	111.2	87.0	157.2	3557	12.4	6.1	13.6	8.2
3442	13.8	16.5	276.5	167.1	3500	18.2	8.8	13.5	15.7	3558	12.1	13.2	69.6	42.0
3443	13.3	158.3	378.9	240.6	3501	16.5	0.0	0.0	0.0	3559	12.4	19.7	134.6	81.5
3444	14.3	176.1	395.7	252.8	3502	15.2	0.0	0.0	0.0	3560	14.2	357.5	200.5	138.6
3445	15.5	369.7	339.9	281.5	3503	14.4	0.0	0.0	0.0	3561	16.1	861.9	112.4	123.4
3446	15.9	29.2	334.0	213.3	3504	13.6	0.0	0.0	0.0	3562	16.6	114.8	345.8	216.3
3447	16.2	479.6	254.7	462.1	3505	13.0	0.0	0.0	0.0	3563	16.8	328.3	340.2	231.8
3448	16.4	15.2	231.9	151.4	3506	12.5	0.0	0.0	0.0	3564	17.2	150.1	400.8	253.7
3449	16.0	654.0	126.9	674.2	3507	11.9	0.0	0.0	0.0	3565	17.3	115.5	400.8	264.7
3450	15.3	69.7	153.6	159.2	3508	11.6	0.0	0.0	0.0	3566	17.3	116.9	382.1	280.7
3451	15.0	17.1	69.0	57.6	3509	11.7	7.6	13.6	8.2	3567	17.5	2.8	153.4	93.9
3452	14.3	13.1	13.4	19.4	3510	12.2	4.5	49.1	29.6	3568	17.2	31.9	262.6	183.2
3453	13.4	0.0	0.0	0.0	3511	13.6	119.0	160.7	100.6	3569	16.7	24.2	198.8	141.2
3454	12.8	0.0	0.0	0.0	3512	15.5	24.9	198.5	120.3	3570	16.6	71.1	157.9	162.9
3455	12.4	0.0	0.0	0.0	3513	17.3	353.6	254.7	175.7	3571	16.9	5.3	54.5	37.7

3572	16.7	6.1	13.6	13.4	3630	12.3	0.5	16.6	10.0	3688	18.1 322.9 266.0 417.8
3573	16.0	0.0	0.0	0.0	3631	12.8	374.7	139.2	97.1	3689	16.4 0.9 57.9 35.5
3574	15.5	0.0	0.0	0.0	3632	14.0	1.0	60.6	36.4	3690	15.1 391.6 137.5 456.0
3575	15.3	0.0	0.0	0.0	3633	15.0	169.3	294.9	188.0	3691	14.2 0.4 16.6 10.4
3576	14.9	0.0	0.0	0.0	3634	15.3	1.2	99.1	59.6	3692	13.6 6.6 16.3 15.4
3577	14.6	0.0	0.0	0.0	3635	15.4	87.5	378.8	234.7	3693	12.8 0.0 0.0 0.0
3578	14.4	0.0	0.0	0.0	3636	15.6	3.7	205.0	123.3	3694	12.1 0.0 0.0 0.0
3579	14.0	0.0	0.0	0.0	3637	15.5	18.6	330.7	202.3	3695	11.5 0.0 0.0 0.0
3580	13.6	0.0	0.0	0.0	3638	16.3	44.9	356.5	233.6	3696	10.8 0.0 0.0 0.0
3581	13.1	3.6	10.9	6.6	3639	17.0	473.4	259.6	459.2	3697	10.5 0.0 0.0 0.0
3582	12.7	5.2	54.5	32.8	3640	16.9	9.6	215.9	137.3	3698	10.4 0.0 0.0 0.0
3583	13.2	36.8	147.9	90.1	3641	16.4	12.5	179.7	119.2	3699	10.4 0.0 0.0 0.0
3584	13.9	3.7	117.6	70.7	3642	15.8	9.3	118.9	80.2	3700	10.7 0.0 0.0 0.0
3585	14.5	34.9	266.2	162.0	3643	15.2	3.2	43.8	29.3	3701	11.2 4.2 13.7 8.2
3586	15.3	1.2	101.8	61.2	3644	14.4	4.9	13.6	12.4	3702	11.1 14.8 74.7 45.1
3587	15.2	83.4	376.9	233.2	3645	13.6	0.0	0.0	0.0	3703	11.3 14.4 130.8 79.0
3588	15.1	50.2	377.8	231.1	3646	13.0	0.0	0.0	0.0	3704	11.8 3.1 109.5 65.9
3589	15.1	1.5	132.0	79.5	3647	12.4	0.0	0.0	0.0	3705	12.4 2.5 123.4 74.2
3590	15.1	212.8	373.3	317.6	3648	11.8	0.0	0.0	0.0	3706	13.6 170.6 346.6 221.1
3591	15.4	15.7	276.9	176.2	3649	11.4	0.0	0.0	0.0	3707	14.1 3.9 199.5 120.0
3592	15.2	3.7	150.4	93.2	3650	11.0	0.0	0.0	0.0	3708	14.1 7.0 271.5 163.5
3593	15.2	274.3	217.6	380.1	3651	10.7	0.0	0.0	0.0	3709	14.2 71.1 392.4 250.3
3594	15.3	3.0	73.9	47.2	3652	10.6	0.0	0.0	0.0	3710	14.5 9.0 275.7 169.4
3595	14.7	15.1	72.0	57.4	3653	10.6	4.6	13.6	8.2	3711	14.4 58.0 333.1 237.0
3596	13.8	5.6	13.6	13.0	3654	10.2	72.6	90.7	55.9	3712	14.5 6.3 193.1 120.9
3597	13.0	0.0	0.0	0.0	3655	10.4	2.5	68.6	41.2	3713	14.9 49.6 221.5 177.8
3598	12.3	0.0	0.0	0.0	3656	11.1	29.7	206.9	125.7	3714	15.0 2.8 74.0 47.1
3599	11.8	0.0	0.0	0.0	3657	11.4	21.5	249.8	151.3	3715	14.7 12.5 72.4 55.1
3600	11.2	0.0	0.0	0.0	3658	11.7	14.0	272.6	164.6	3716	14.1 4.2 13.7 11.8
3601	10.8	0.0	0.0	0.0	3659	12.2	1.1	107.4	64.5	3717	13.5 0.0 0.0 0.0
3602	10.6	0.0	0.0	0.0	3660	12.4	12.4	308.4	186.2	3718	13.0 0.0 0.0 0.0
3603	10.3	0.0	0.0	0.0	3661	12.6	11.0	301.4	183.1	3719	12.6 0.0 0.0 0.0
3604	10.5	0.0	0.0	0.0	3662	13.2	3.5	188.7	114.8	3720	12.2 0.0 0.0 0.0
3605	11.0	3.3	10.9	6.6	3663	13.9	1.5	112.8	68.6	3721	11.8 0.0 0.0 0.0
3606	11.2	2.2	35.7	21.4	3664	13.9	9.6	216.0	137.2	3722	11.6 0.0 0.0 0.0
3607	11.7	9.5	118.8	71.6	3665	13.4	26.1	203.2	145.6	3723	11.4 0.0 0.0 0.0
3608	12.4	5.7	147.0	88.5	3666	12.9	5.7	103.5	67.5	3724	11.4 0.0 0.0 0.0
3609	13.2	3.1	136.9	82.3	3667	12.4	5.5	57.2	39.5	3725	11.7 5.7 16.3 9.8
3610	14.0	22.5	293.9	178.1	3668	12.0	4.6	13.6	12.2	3726	11.6 57.7 90.7 55.6
3611	14.7	7.8	265.6	160.0	3669	11.6	0.0	0.0	0.0	3727	12.2 30.1 147.3 89.5
3612	15.3	1.5	132.0	79.3	3670	11.2	0.0	0.0	0.0	3728	14.1 60.9 226.6 139.1
3613	15.8	1.2	118.4	71.3	3671	10.9	0.0	0.0	0.0	3729	15.4 217.8 290.0 188.3
3614	16.0	1.4	118.3	71.6	3672	10.6	0.0	0.0	0.0	3730	16.4 836.9 136.0 146.1
3615	16.6	15.6	277.0	176.2	3673	10.4	0.0	0.0	0.0	3731	16.8 141.9 385.0 243.1
3616	17.1	2.6	126.1	77.7	3674	10.3	0.0	0.0	0.0	3732	16.4 129.9 403.8 253.8
3617	16.9	4.9	136.4	86.3	3675	10.2	0.0	0.0	0.0	3733	16.5 532.9 275.5 277.1
3618	16.7	54.3	155.4	145.2	3676	10.4	0.0	0.0	0.0	3734	17.2 239.0 369.2 326.3
3619	16.3	3.7	46.5	31.4	3677	11.2	4.4	13.7	8.2	3735	17.5 81.2 343.0 257.7
3620	15.9	8.8	16.2	17.3	3678	12.3	21.6	78.9	47.8	3736	17.3 174.9 296.0 317.3
3621	15.3	0.0	0.0	0.0	3679	13.2	3.3	79.4	47.7	3737	16.6 90.2 233.6 221.8
3622	14.9	0.0	0.0	0.0	3680	13.9	190.1	232.0	149.0	3738	15.6 9.6 121.5 82.0
3623	14.7	0.0	0.0	0.0	3681	15.0	99.7	295.7	184.0	3739	14.6 38.0 86.5 87.5
3624	14.4	0.0	0.0	0.0	3682	16.8	90.2	344.6	213.7	3740	13.3 9.6 18.9 19.6
3625	14.2	0.0	0.0	0.0	3683	17.7	136.2	384.5	242.3	3741	12.0 0.0 0.0 0.0
3626	14.0	0.0	0.0	0.0	3684	18.2	451.2	310.2	226.3	3742	11.2 0.0 0.0 0.0
3627	13.8	0.0	0.0	0.0	3685	19.0	11.4	303.8	184.6	3743	10.6 0.0 0.0 0.0
3628	13.8	0.0	0.0	0.0	3686	19.1	401.5	315.2	365.4	3744	9.9 0.0 0.0 0.0
3629	13.1	1.8	8.2	5.0	3687	19.0	2.1	134.5	82.0	3745	9.5 0.0 0.0 0.0

```
3746  9.3    0.0    0.0    0.0      3804 17.5 339.6 355.2 243.5      3862  9.6    0.0    0.0    0.0
3747  9.2    0.0    0.0    0.0      3805 17.9 128.8 404.5 269.7      3863  9.1    0.0    0.0    0.0
3748  9.4    0.0    0.0    0.0      3806 17.9 147.5 385.5 295.9      3864  8.7    0.0    0.0    0.0
3749  9.7    5.5   16.4    9.8      3807 18.8  67.9 339.2 246.9      3865  8.4    0.0    0.0    0.0
3750  9.8 139.5   95.6   60.3      3808 19.5 275.1 279.3 386.9      3866  8.2    0.0    0.0    0.0
3751  9.9    3.7   84.8   51.0      3809 19.7 140.8 237.4 269.6      3867  8.1    0.0    0.0    0.0
3752 10.5    0.9   60.6   36.4      3810 19.8  37.3 152.8 127.2      3868  8.4    0.0    0.0    0.0
3753 11.3 437.1 234.1 169.3      3811 19.1  25.7  83.4  74.0      3869  9.5    3.2   13.7    8.2
3754 12.1    6.0 223.1 134.3      3812 17.9   7.5  19.0  17.9      3870 10.1  43.5   90.6   55.3
3755 13.2 329.5 342.1 233.3      3813 16.8    0.0    0.0    0.0      3871 10.6 202.5 165.9 107.1
3756 14.0  98.4 401.2 249.5      3814 16.0    0.0    0.0    0.0      3872 12.0 487.0 174.2 130.2
3757 14.5  22.2 341.3 209.5      3815 15.5    0.0    0.0    0.0      3873 13.0  76.5 293.7 181.3
3758 15.1  23.1 327.6 206.7      3816 15.1    0.0    0.0    0.0      3874 14.4 354.5 303.2 209.4
3759 16.0 782.8 149.2 589.8      3817 14.7    0.0    0.0    0.0      3875 16.4 393.7 319.5 225.4
3760 16.5 542.4 200.8 553.5      3818 14.5    0.0    0.0    0.0      3876 18.3  42.1 373.4 227.8
3761 16.8  60.3 226.8 190.7      3819 14.1    0.0    0.0    0.0      3877 19.8 443.6 314.4 281.6
3762 17.1  57.0 159.5 150.0      3820 13.8    0.0    0.0    0.0      3878 19.9 454.0 295.8 376.1
3763 16.6 113.9   95.4 163.9      3821 13.4    2.2   11.0    6.6      3879 19.0  41.8 323.2 220.6
3764 15.7    8.7   18.9   18.9      3822 13.1    9.4   70.2   42.3      3880 18.9  60.3 287.8 220.7
3765 14.9    0.0    0.0    0.0      3823 13.7 329.1 149.7 102.1      3881 19.3 298.7 217.8 400.2
3766 14.0    0.0    0.0    0.0      3824 14.7 584.2 148.9 120.0      3882 19.6  39.2 154.8 130.1
3767 13.4    0.0    0.0    0.0      3825 15.6 300.4 273.5 184.0      3883 19.3  12.5  75.1  56.7
3768 12.7    0.0    0.0    0.0      3826 16.4 670.1 187.3 164.3      3884 18.6  10.7  21.5  22.0
3769 12.2    0.0    0.0    0.0      3827 17.2 639.3 219.0 185.9      3885 17.7    0.0    0.0    0.0
3770 11.9    0.0    0.0    0.0      3828 18.3 468.6 303.7 224.1      3886 16.9    0.0    0.0    0.0
3771 11.5    0.0    0.0    0.0      3829 19.5 763.3 179.3 267.6      3887 16.5    0.0    0.0    0.0
3772 11.3    0.0    0.0    0.0      3830 20.4 747.7 176.6 433.3      3888 16.1    0.0    0.0    0.0
3773 11.3  14.4   21.4   12.9      3831 20.9 467.8 263.2 456.4      3889 15.8    0.0    0.0    0.0
3774 12.1  47.6   89.9   54.9      3832 21.0 479.8 221.4 515.2      3890 15.6    0.0    0.0    0.0
3775 13.2 131.9 167.8 105.6      3833 20.9 373.1 201.4 457.9      3891 15.2    0.0    0.0    0.0
3776 14.7 197.3 232.9 150.1      3834 20.7 292.6 154.9 371.1      3892 14.9    0.0    0.0    0.0
3777 17.3 885.5 115.5 127.8      3835 19.7  25.0  83.5  73.5      3893 14.9  10.1  21.6  13.0
3778 18.9 275.6 326.2 217.0      3836 18.1  12.2  21.5  23.3      3894 15.2  23.6  83.8  50.8
3779 18.9 131.0 385.7 242.6      3837 16.5    0.0    0.0    0.0      3895 16.4 612.6 101.0  83.5
3780 19.3 850.9 154.9 168.9      3838 15.3    0.0    0.0    0.0      3896 17.7    2.3  96.0  57.7
3781 20.2 412.0 327.0 282.6      3839 14.4    0.0    0.0    0.0      3897 18.8 898.1 117.8 130.4
3782 20.3 697.3 195.5 422.8      3840 13.6    0.0    0.0    0.0      3898 20.1  38.6 320.1 195.1
3783 20.6 243.5 334.3 356.1      3841 12.9    0.0    0.0    0.0      3899 21.3 579.5 243.9 195.9
3784 20.4 204.5 292.8 338.8      3842 12.4    0.0    0.0    0.0      3900 21.8  48.0 379.3 231.9
3785 20.2 358.7 204.1 446.8      3843 12.0    0.0    0.0    0.0      3901 22.0 839.7 156.9 270.2
3786 20.1  75.0 163.9 169.7      3844 11.9    0.0    0.0    0.0      3902 22.5  32.3 344.7 220.9
3787 19.4 196.2  94.5 240.3      3845 12.2  33.9  25.6  15.6      3903 23.2 897.6 137.5 654.6
3788 18.3    8.1   19.0   18.3      3846 12.3  93.2  96.6  60.0      3904 23.3  13.2 232.9 150.3
3789 16.8    0.0    0.0    0.0      3847 12.3    0.7  38.6  23.2      3905 22.2 505.7 169.6 558.0
3790 15.7    0.0    0.0    0.0      3848 13.3 174.3 236.2 150.9      3906 21.0    2.3  68.6  43.4
3791 14.9    0.0    0.0    0.0      3849 14.3    2.8 131.5  79.1      3907 19.5  71.5  95.6 124.1
3792 14.0    0.0    0.0    0.0      3850 14.6  42.0 323.1 197.1      3908 18.1    6.3  19.0  16.8
3793 13.3    0.0    0.0    0.0      3851 14.2    2.1 148.2  89.1      3909 17.1    0.0    0.0    0.0
3794 12.7    0.0    0.0    0.0      3852 14.1    2.8 178.1 107.1      3910 16.2    0.0    0.0    0.0
3795 12.1    0.0    0.0    0.0      3853 14.3    3.1 188.9 114.0      3911 15.6    0.0    0.0    0.0
3796 11.6    0.0    0.0    0.0      3854 13.9    1.1 107.4  64.9      3912 15.1    0.0    0.0    0.0
3797 11.7  13.2   21.4   12.9      3855 13.2  58.7 335.1 238.5      3913 14.7    0.0    0.0    0.0
3798 11.8 283.9   89.5   59.7      3856 12.6  33.9 269.2 188.5      3914 14.4    0.0    0.0    0.0
3799 12.1 764.7   74.4   73.0      3857 12.1    0.8  57.9  35.5      3915 14.1    0.0    0.0    0.0
3800 13.4 224.1 229.8 149.6      3858 11.6    4.9  98.2  63.5      3916 14.2    0.0    0.0    0.0
3801 15.2 410.3 242.7 172.8      3859 11.2    0.6  19.3  12.1      3917 14.9 101.2  29.5  18.3
3802 15.9  96.8 347.4 215.9      3860 10.6    4.7  16.4  13.9      3918 15.2  79.2  96.6  59.7
3803 16.3 322.4 344.9 234.4      3861 10.1    0.0    0.0    0.0      3919 15.9 332.2 150.3 102.6
```

45

```
3920 17.1  15.0 189.3 114.4      3978 12.1   0.7  38.6  23.9      4036 12.9   0.0   0.0   0.0
3921 17.9 685.7 155.6 139.0      3979 11.4 158.0  98.7 206.6      4037 12.9   5.6  19.1  11.5
3922 19.5 437.2 274.8 198.8      3980 10.2  15.1  24.0  27.3      4038 13.5  75.5  97.3  60.0
3923 20.9 540.6 260.3 202.4      3981  8.9   0.0   0.0   0.0      4039 14.0   5.0 100.9  60.7
3924 20.7 336.8 356.8 244.3      3982  7.8   0.0   0.0   0.0      4040 14.5 105.6 238.5 148.7
3925 20.0  49.5 380.7 238.8      3983  6.8   0.0   0.0   0.0      4041 15.8 544.7 201.1 157.0
3926 19.5 952.7 160.9 513.2      3984  5.9   0.0   0.0   0.0      4042 17.1 677.0 184.9 163.7
3927 19.8 378.3 295.5 418.3      3985  5.1   0.0   0.0   0.0      4043 18.3 577.0 245.0 196.5
3928 20.2 389.2 249.8 459.6      3986  4.6   0.0   0.0   0.0      4044 19.9 512.3 285.0 217.0
3929 19.4 453.6 182.9 518.8      3987  4.3   0.0   0.0   0.0      4045 20.7 384.3 338.7 283.8
3930 18.6  32.6 151.7 121.9      3988  4.8   0.0   0.0   0.0      4046 20.6 557.9 253.0 395.6
3931 17.7  54.9  93.6 107.4      3989  5.6   1.9  11.0   6.6      4047 20.4 376.4 296.3 417.4
3932 16.3   9.6  21.6  21.2      3990  6.9   1.3  30.3  18.2      4048 19.2  81.3 295.9 242.1
3933 14.9   0.0   0.0   0.0      3991  8.0  15.4 135.9  82.1      4049 18.3 479.1 176.8 537.7
3934 13.8   0.0   0.0   0.0      3992  8.6 170.3 237.7 151.6      4050 18.3 514.8 119.5 559.5
3935 13.1   0.0   0.0   0.0      3993 10.1   3.7 153.1  92.1      4051 18.0  16.0  79.8  62.8
3936 12.3   0.0   0.0   0.0      3994 11.2   1.1  99.1  59.6      4052 17.1   8.3  21.7  20.1
3937 11.7   0.0   0.0   0.0      3995 12.2   2.6 164.5  98.9      4053 15.8   0.0   0.0   0.0
3938 11.3   0.0   0.0   0.0      3996 13.7 905.7 160.4 177.6      4054 14.9   0.0   0.0   0.0
3939 11.0   0.0   0.0   0.0      3997 15.0  13.0 313.4 190.7      4055 14.2   0.0   0.0   0.0
3940 10.9   0.0   0.0   0.0      3998 15.4  49.3 363.4 239.6      4056 13.5   0.0   0.0   0.0
3941 10.8   9.3  21.6  13.0      3999 15.6 238.8 336.7 354.1      4057 13.0   0.0   0.0   0.0
3942 10.2  14.1  77.5  46.8      4000 15.9 158.7 300.0 306.1      4058 12.6   0.0   0.0   0.0
3943 10.3   4.3  92.8  55.9      4001 15.7  19.4 198.1 136.3      4059 12.2   0.0   0.0   0.0
3944 11.3   8.2 167.9 101.2      4002 15.5  29.4 150.1 117.9      4060 12.1   0.0   0.0   0.0
3945 12.3 482.0 221.3 164.8      4003 15.1  40.5  91.1  92.5      4061 12.6  23.0  26.2  15.9
3946 13.3   2.4 145.3  87.4      4004 14.3  14.6  24.0  26.9      4062 13.0 199.5  97.7  63.0
3947 13.5  41.6 356.1 217.2      4005 13.6   0.0   0.0   0.0      4063 13.9 528.5 117.0  90.2
3948 13.2   5.2 242.6 146.0      4006 12.9   0.0   0.0   0.0      4064 15.6 245.1 228.5 150.1
3949 13.2 112.8 404.5 266.4      4007 12.2   0.0   0.0   0.0      4065 17.3 777.5 129.3 129.5
3950 13.9  20.9 323.8 203.4      4008 11.6   0.0   0.0   0.0      4066 18.7 545.0 234.6 183.2
3951 14.2  35.4 317.0 212.7      4009 11.1   0.0   0.0   0.0      4067 19.9 695.5 196.2 177.4
3952 14.5  12.5 230.6 148.3      4010 10.7   0.0   0.0   0.0      4068 21.9 915.5 162.3 179.6
3953 14.1   2.7 104.1  64.9      4011 10.3   0.0   0.0   0.0      4069 23.7 703.7 202.2 268.8
3954 13.2   5.6 106.2  69.1      4012 10.1   0.0   0.0   0.0      4070 25.0 373.7 327.3 359.6
3955 13.0   5.3  60.0  40.9      4013 10.2   1.8  11.0   6.6      4071 26.2 566.1 226.6 496.2
3956 12.1   4.3  16.4  13.5      4014 10.6   9.9  72.8  43.9      4072 26.8 618.0 177.2 597.4
3957 11.0   0.0   0.0   0.0      4015 12.1 257.1 161.3 106.5      4073 26.6 237.6 229.7 351.8
3958 10.2   0.0   0.0   0.0      4016 14.1 253.3 227.0 149.6      4074 26.4 725.8  81.4 736.5
3959  9.6   0.0   0.0   0.0      4017 15.5  52.4 284.6 174.2      4075 25.3  34.6  89.6  86.0
3960  9.1   0.0   0.0   0.0      4018 16.6 643.1 197.4 168.5      4076 23.6   8.2  21.7  20.0
3961  8.6   0.0   0.0   0.0      4019 17.9 627.9 223.7 188.1      4077 21.9   0.0   0.0   0.0
3962  8.3   0.0   0.0   0.0      4020 19.2 295.1 371.5 249.4      4078 20.5   0.0   0.0   0.0
3963  8.2   0.0   0.0   0.0      4021 20.1 536.6 274.4 277.1      4079 19.6   0.0   0.0   0.0
3964  8.4   0.0   0.0   0.0      4022 20.9 457.4 294.7 376.7      4080 18.6   0.0   0.0   0.0
3965  9.1  41.3  27.8  17.0      4023 21.5 587.5 218.5 505.1      4081 17.8   0.0   0.0   0.0
3966  9.9  11.8  75.2  45.4      4024 22.0 343.0 263.3 430.6      4082 17.2   0.0   0.0   0.0
3967 10.8 248.0 162.2 106.6      4025 22.2 856.1  91.3 826.1      4083 16.5   0.0   0.0   0.0
3968 11.5 115.7 238.8 149.4      4026 22.0  55.8 162.3 150.2      4084 16.1   0.0   0.0   0.0
3969 12.4   3.5 147.7  88.9      4027 21.3  85.1  98.0 138.1      4085 16.0   5.5  19.1  11.5
3970 12.7  38.3 320.2 195.1      4028 20.0   8.5  21.7  20.2      4086 16.4  21.9  84.1  50.9
3971 12.5  23.5 329.9 199.9      4029 18.4   0.0   0.0   0.0      4087 17.3 301.3 155.6 104.7
3972 12.7 189.5 399.6 256.8      4030 17.1   0.0   0.0   0.0      4088 17.9 124.7 239.5 150.3
3973 13.1  21.0 339.6 208.1      4031 16.3   0.0   0.0   0.0      4089 18.8  52.3 284.6 174.3
3974 13.4  10.7 288.1 177.5      4032 15.4   0.0   0.0   0.0      4090 19.5 223.4 340.2 221.5
3975 13.5 186.6 346.8 326.9      4033 14.6   0.0   0.0   0.0      4091 20.0 385.3 322.9 226.8
3976 13.2   4.1 161.2 100.0      4034 14.0   0.0   0.0   0.0      4092 20.4 118.2 405.1 253.7
3977 12.6 106.3 238.3 238.7      4035 13.4   0.0   0.0   0.0      4093 20.7 115.4 404.9 267.1
```

4094	21.0	163.2	385.2	302.5	4152	11.6	0.0	0.0	0.0	4210	18.5	602.7	212.2	174.3
4095	20.8	16.8	284.2	181.2	4153	11.2	0.0	0.0	0.0	4211	19.8	546.6	257.3	201.2
4096	19.8	43.9	279.1	202.3	4154	10.9	0.0	0.0	0.0	4212	21.0	556.1	265.3	209.2
4097	18.4	11.3	180.2	118.2	4155	10.8	0.0	0.0	0.0	4213	22.2	952.0	168.7	300.8
4098	17.4	8.0	119.2	79.1	4156	11.0	0.0	0.0	0.0	4214	22.4	440.2	301.1	373.0
4099	16.7	1.3	30.3	19.4	4157	12.1	8.2	21.7	13.1	4215	21.7	84.2	345.7	261.0
4100	15.9	5.5	19.1	16.1	4158	13.1	331.8	88.0	60.1	4216	21.7	101.5	299.1	260.1
4101	15.1	0.0	0.0	0.0	4159	14.7	472.2	127.2	94.2	4217	22.1	346.4	208.3	437.1
4102	14.3	0.0	0.0	0.0	4160	16.7	550.8	158.2	124.2	4218	22.2	17.0	138.0	98.9
4103	13.7	0.0	0.0	0.0	4161	18.4	810.0	121.6	127.0	4219	21.3	273.8	92.6	310.7
4104	13.1	0.0	0.0	0.0	4162	19.6	566.7	226.1	179.8	4220	19.7	8.5	21.7	20.3
4105	12.7	0.0	0.0	0.0	4163	20.3	696.1	195.7	177.2	4221	18.3	0.0	0.0	0.0
4106	12.6	0.0	0.0	0.0	4164	21.7	447.5	312.6	227.7	4222	17.3	0.0	0.0	0.0
4107	12.6	0.0	0.0	0.0	4165	22.6	430.1	319.8	282.1	4223	16.6	0.0	0.0	0.0
4108	12.9	0.0	0.0	0.0	4166	23.3	501.4	276.3	384.8	4224	15.9	0.0	0.0	0.0
4109	14.4	8.1	21.7	13.1	4167	23.9	552.7	231.5	490.6	4225	15.3	0.0	0.0	0.0
4110	16.0	104.4	99.2	61.8	4168	23.8	372.1	254.9	448.6	4226	14.9	0.0	0.0	0.0
4111	16.7	1.6	57.7	34.7	4169	23.6	749.1	108.7	739.9	4227	14.4	0.0	0.0	0.0
4112	17.7	318.2	214.7	145.7	4170	23.3	739.4	79.1	748.0	4228	14.0	0.0	0.0	0.0
4113	18.8	42.0	277.6	169.4	4171	22.2	375.4	84.0	400.1	4229	13.8	1.9	11.0	6.6
4114	19.2	321.2	314.1	213.5	4172	20.3	13.7	24.1	26.2	4230	13.2	5.8	62.6	37.7
4115	20.4	271.9	361.7	240.3	4173	18.6	0.0	0.0	0.0	4231	12.6	4.5	95.5	57.5
4116	21.6	26.3	351.4	213.2	4174	17.2	0.0	0.0	0.0	4232	12.2	18.3	195.9	118.5
4117	22.3	591.2	250.2	274.1	4175	16.3	0.0	0.0	0.0	4233	12.4	19.2	248.4	150.3
4118	23.5	47.6	362.0	238.0	4176	15.3	0.0	0.0	0.0	4234	13.3	1.1	99.1	59.6
4119	23.9	275.5	327.4	371.8	4177	14.6	0.0	0.0	0.0	4235	14.3	43.2	357.5	218.2
4120	22.8	50.1	283.3	209.8	4178	14.0	0.0	0.0	0.0	4236	15.4	2.4	167.3	100.6
4121	21.5	13.8	187.1	124.7	4179	13.5	0.0	0.0	0.0	4237	16.5	202.0	396.7	280.4
4122	20.9	3.1	79.4	50.6	4180	13.2	0.0	0.0	0.0	4238	17.0	1.1	107.4	64.9
4123	19.7	3.5	49.2	32.8	4181	13.4	58.5	29.4	18.0	4239	16.5	6.3	228.4	141.1
4124	18.3	5.5	19.1	16.1	4182	14.4	40.2	91.2	55.6	4240	16.0	10.6	223.5	142.5
4125	17.0	0.0	0.0	0.0	4183	15.4	6.9	114.1	68.7	4241	15.9	1.1	66.1	40.6
4126	15.8	0.0	0.0	0.0	4184	16.9	382.5	200.2	140.4	4242	15.8	6.0	108.8	71.0
4127	14.9	0.0	0.0	0.0	4185	19.0	5.0	177.2	106.7	4243	15.7	22.6	83.9	71.4
4128	14.0	0.0	0.0	0.0	4186	21.1	396.5	289.0	204.3	4244	15.3	4.2	16.4	13.4
4129	13.3	0.0	0.0	0.0	4187	22.2	374.5	326.6	228.1	4245	14.9	0.0	0.0	0.0
4130	12.9	0.0	0.0	0.0	4188	22.8	156.7	403.9	256.4	4246	14.5	0.0	0.0	0.0
4131	12.6	0.0	0.0	0.0	4189	22.8	305.7	367.6	284.6	4247	14.3	0.0	0.0	0.0
4132	12.7	0.0	0.0	0.0	4190	21.8	616.0	228.3	406.1	4248	14.0	0.0	0.0	0.0
4133	13.0	1.0	8.3	5.0	4191	20.9	35.4	316.9	212.7	4249	13.8	0.0	0.0	0.0
4134	12.8	5.7	62.6	37.7	4192	20.4	433.3	236.4	486.2	4250	13.7	0.0	0.0	0.0
4135	12.9	224.6	165.1	107.6	4193	20.7	336.8	210.5	429.7	4251	13.5	0.0	0.0	0.0
4136	13.8	692.2	122.1	110.0	4194	20.8	302.8	155.1	380.0	4252	13.6	0.0	0.0	0.0
4137	14.5	314.9	270.8	183.5	4195	19.6	105.4	99.0	157.7	4253	14.3	15.4	24.0	14.5
4138	15.5	816.1	140.5	147.9	4196	18.1	8.4	21.7	20.1	4254	15.0	61.3	94.9	58.3
4139	17.4	507.4	273.9	207.9	4197	16.8	0.0	0.0	0.0	4255	15.6	782.2	72.2	72.8
4140	19.2	807.8	164.4	171.2	4198	15.8	0.0	0.0	0.0	4256	16.8	93.7	236.6	146.9
4141	19.6	181.7	400.9	278.6	4199	15.0	0.0	0.0	0.0	4257	18.8	917.2	120.5	133.4
4142	19.3	24.5	331.8	209.8	4200	14.3	0.0	0.0	0.0	4258	19.3	366.2	299.0	207.9
4143	18.9	29.9	310.1	205.1	4201	13.7	0.0	0.0	0.0	4259	18.8	179.8	382.4	244.8
4144	18.2	13.1	233.0	150.2	4202	13.3	0.0	0.0	0.0	4260	19.4	466.9	303.8	224.2
4145	18.0	5.4	147.1	93.2	4203	12.9	0.0	0.0	0.0	4261	20.4	563.3	261.9	275.2
4146	17.6	429.9	134.8	488.2	4204	13.0	0.0	0.0	0.0	4262	20.9	673.9	204.2	417.1
4147	16.3	75.2	97.3	128.4	4205	13.2	14.3	24.0	14.5	4263	20.6	174.5	347.8	319.8
4148	15.0	8.2	21.7	20.0	4206	13.3	60.1	95.1	58.4	4264	20.1	20.3	250.4	166.4
4149	13.9	0.0	0.0	0.0	4207	14.2	646.6	95.0	81.4	4265	19.8	121.3	238.7	252.5
4150	13.0	0.0	0.0	0.0	4208	15.5	141.5	239.0	150.9	4266	19.0	692.3	86.6	708.3
4151	12.3	0.0	0.0	0.0	4209	17.0	23.6	256.5	155.5	4267	18.0	31.0	87.7	81.5

4268	17.2	9.0	21.6	20.7	4326	14.1	2.5	41.1	24.7	4384	19.4	23.0	254.2	170.8
4269	16.1	0.0	0.0	0.0	4327	14.8	49.9	159.1	97.3	4385	18.6	87.9	234.4	220.0
4270	15.1	0.0	0.0	0.0	4328	15.3	8.4	167.8	101.1	4386	18.4	84.0	165.9	179.3
4271	14.3	0.0	0.0	0.0	4329	15.2	22.8	254.3	154.1	4387	17.7	45.0	90.3	96.2
4272	13.6	0.0	0.0	0.0	4330	14.6	13.6	272.8	164.7	4388	16.2	6.9	19.0	17.3
4273	13.1	0.0	0.0	0.0	4331	14.8	12.8	297.4	179.5	4389	15.0	0.0	0.0	0.0
4274	12.7	0.0	0.0	0.0	4332	15.7	50.1	380.2	232.6	4390	14.1	0.0	0.0	0.0
4275	12.4	0.0	0.0	0.0	4333	16.2	1.1	112.9	68.0	4391	13.4	0.0	0.0	0.0
4276	12.3	0.0	0.0	0.0	4334	16.2	82.7	379.4	263.8	4392	12.7	0.0	0.0	0.0
4277	12.9	1.1	8.3	5.0	4335	16.1	1.0	93.7	56.8	4393	12.3	0.0	0.0	0.0
4278	14.4	3.2	46.5	28.0	4336	15.9	30.9	265.6	183.9	4394	12.0	0.0	0.0	0.0
4279	15.3	438.0	132.6	96.0	4337	15.3	18.6	195.7	134.2	4395	11.7	0.0	0.0	0.0
4280	16.1	754.4	107.1	104.2	4338	14.5	0.7	38.6	23.9	4396	11.8	0.0	0.0	0.0
4281	17.8	590.3	185.5	150.6	4339	14.1	14.7	77.4	60.1	4397	12.5	12.5	21.5	12.9
4282	19.1	707.3	173.3	159.0	4340	13.7	3.1	13.7	10.9	4398	13.4	5.0	57.3	34.5
4283	19.7	472.8	287.5	213.0	4341	13.2	0.0	0.0	0.0	4399	14.0	397.8	138.1	97.7
4284	20.4	864.2	153.7	169.8	4342	12.8	0.0	0.0	0.0	4400	15.3	80.6	232.7	143.9
4285	21.5	558.0	264.1	275.5	4343	12.5	0.0	0.0	0.0	4401	16.7	199.4	293.1	189.1
4286	22.2	399.9	316.5	364.7	4344	12.2	0.0	0.0	0.0	4402	17.1	384.6	291.4	204.7
4287	22.8	500.1	250.8	469.0	4345	12.0	0.0	0.0	0.0	4403	17.4	182.6	380.5	243.9
4288	22.9	694.6	152.3	643.7	4346	11.9	0.0	0.0	0.0	4404	18.2	587.2	250.5	202.9
4289	22.6	272.4	222.8	379.2	4347	11.8	0.0	0.0	0.0	4405	19.8	430.9	317.9	281.1
4290	22.4	181.4	167.9	272.8	4348	12.0	0.0	0.0	0.0	4406	21.1	477.7	284.5	379.8
4291	21.3	191.5	97.1	236.8	4349	13.0	32.4	25.7	15.6	4407	22.3	397.6	287.0	425.8
4292	19.5	16.1	23.9	28.1	4350	14.5	379.3	81.9	57.4	4408	22.8	94.1	296.1	252.6
4293	17.8	0.0	0.0	0.0	4351	15.8	167.8	167.8	107.0	4409	22.6	454.4	181.0	519.0
4294	16.5	0.0	0.0	0.0	4352	16.8	510.7	167.3	127.3	4410	22.2	171.2	166.9	262.7
4295	15.6	0.0	0.0	0.0	4353	17.4	867.4	113.8	125.9	4411	21.1	15.6	77.2	60.9
4296	14.7	0.0	0.0	0.0	4354	17.8	790.1	146.4	149.1	4412	19.5	7.2	19.0	17.6
4297	14.0	0.0	0.0	0.0	4355	18.6	719.7	185.8	173.0	4413	17.9	0.0	0.0	0.0
4298	13.5	0.0	0.0	0.0	4356	19.4	591.1	249.2	202.5	4414	16.7	0.0	0.0	0.0
4299	13.0	0.0	0.0	0.0	4357	19.7	111.6	403.0	265.2	4415	15.8	0.0	0.0	0.0
4300	12.8	0.0	0.0	0.0	4358	19.9	785.9	162.6	441.3	4416	14.9	0.0	0.0	0.0
4301	12.4	28.7	25.9	15.7	4359	19.8	109.1	348.8	278.8	4417	14.1	0.0	0.0	0.0
4302	12.6	7.7	67.8	40.8	4360	19.8	667.5	160.2	627.5	4418	13.5	0.0	0.0	0.0
4303	13.5	0.7	38.6	23.2	4361	20.1	194.5	233.7	315.8	4419	12.9	0.0	0.0	0.0
4304	14.1	854.5	90.9	99.7	4362	19.5	54.4	160.2	147.7	4420	12.6	0.0	0.0	0.0
4305	14.8	6.6	198.4	119.5	4363	17.8	199.9	95.7	244.0	4421	12.5	5.1	16.4	9.8
4306	15.9	171.1	347.8	222.0	4364	16.1	10.9	21.5	22.2	4422	12.5	30.6	85.2	51.5
4307	16.8	188.5	380.6	244.5	4365	14.9	0.0	0.0	0.0	4423	13.8	8.6	119.0	71.7
4308	18.0	95.1	401.0	249.1	4366	14.2	0.0	0.0	0.0	4424	15.8	77.4	231.7	143.1
4309	19.1	730.1	190.8	267.5	4367	13.5	0.0	0.0	0.0	4425	17.7	797.3	123.2	126.7
4310	19.5	8.5	273.3	167.7	4368	12.8	0.0	0.0	0.0	4426	19.7	311.8	314.6	212.9
4311	20.3	804.3	142.8	598.1	4369	12.2	0.0	0.0	0.0	4427	21.1	631.7	220.4	186.2
4312	21.3	542.3	200.9	552.0	4370	11.8	0.0	0.0	0.0	4428	21.9	858.3	153.4	168.8
4313	21.5	249.9	226.5	361.2	4371	11.3	0.0	0.0	0.0	4429	22.5	50.7	379.7	238.5
4314	20.9	334.4	149.5	406.9	4372	11.1	0.0	0.0	0.0	4430	22.6	669.2	205.1	416.1
4315	19.9	227.9	94.9	269.5	4373	10.8	20.5	23.7	14.4	4431	22.3	44.5	323.9	222.8
4316	19.0	9.8	21.6	21.3	4374	10.8	5.0	57.3	34.5	4432	22.0	211.4	290.9	343.0
4317	17.7	0.0	0.0	0.0	4375	12.1	258.6	159.1	105.1	4433	22.3	378.8	198.8	461.5
4318	16.7	0.0	0.0	0.0	4376	13.8	53.3	224.8	137.7	4434	22.7	191.4	165.1	281.0
4319	16.0	0.0	0.0	0.0	4377	14.4	232.3	287.8	188.1	4435	22.0	35.5	86.9	85.3
4320	15.3	0.0	0.0	0.0	4378	14.9	24.8	300.3	182.1	4436	20.3	7.7	19.0	18.0
4321	14.8	0.0	0.0	0.0	4379	16.3	641.6	216.7	184.8	4437	18.8	0.0	0.0	0.0
4322	14.4	0.0	0.0	0.0	4380	18.2	177.3	399.9	255.8	4438	17.8	0.0	0.0	0.0
4323	14.0	0.0	0.0	0.0	4381	19.2	266.0	379.0	283.1	4439	17.1	0.0	0.0	0.0
4324	14.1	0.0	0.0	0.0	4382	19.1	14.0	301.9	187.3	4440	16.4	0.0	0.0	0.0
4325	14.1	2.0	11.0	6.6	4383	19.4	194.8	343.7	330.4	4441	15.8	0.0	0.0	0.0

```
4442 15.4    0.0    0.0    0.0      4500 19.3 827.4 157.8 168.5      4558 13.8    0.0    0.0    0.0
4443 14.9    0.0    0.0    0.0      4501 20.2 745.0 184.0 266.7      4559 13.2    0.0    0.0    0.0
4444 14.6    0.0    0.0    0.0      4502 21.4 508.6 270.9 385.5      4560 12.7    0.0    0.0    0.0
4445 14.9   14.9   21.3   12.9      4503 22.6 352.2 301.0 405.7      4561 12.3    0.0    0.0    0.0
4446 15.5   13.9   74.8   45.2      4504 23.0 574.5 188.7 571.8      4562 12.0    0.0    0.0    0.0
4447 17.3   87.2 165.0 102.2        4505 22.9 601.0 142.6 629.5      4563 11.8    0.0    0.0    0.0
4448 19.1 811.7   95.0   99.6       4506 22.9   19.3 137.4 100.8     4564 12.2    0.0    0.0    0.0
4449 20.2 408.2 241.8 172.1         4507 22.1 146.1   94.4 193.4     4565 12.6   48.8   22.4   13.7
4450 21.7 600.8 211.4 173.3         4508 20.5   18.4   21.2   28.5   4566 12.9   84.2   91.1   56.4
4451 23.3 652.0 211.9 182.7         4509 19.0    0.0    0.0    0.0   4567 14.1 100.9 163.3 101.7
4452 24.4 462.5 304.2 223.8         4510 17.8    0.0    0.0    0.0   4568 15.9 270.4 218.5 145.1
4453 25.3 841.2 155.3 269.6         4511 17.1    0.0    0.0    0.0   4569 17.4   52.5 279.6 171.2
4454 26.4 614.1 227.5 405.5         4512 16.4    0.0    0.0    0.0   4570 17.8 376.3 292.0 204.1
4455 26.7 593.7 214.0 507.5         4513 15.8    0.0    0.0    0.0   4571 17.5 235.9 367.0 240.2
4456 26.5 224.0 288.3 351.6         4514 15.4    0.0    0.0    0.0   4572 17.9 210.5 390.9 253.3
4457 26.2 686.1 121.8 693.3         4515 15.0    0.0    0.0    0.0   4573 19.0 693.9 203.6 267.7
4458 25.9 133.8 167.1 227.6         4516 14.9    0.0    0.0    0.0   4574 20.0 179.8 378.4 306.0
4459 24.7 336.9   84.2 365.5        4517 16.1   37.8   22.9   13.9   4575 20.1   21.7 291.7 188.9
4460 22.8   14.9   21.3   25.5      4518 17.9 165.4   93.4   59.5    4576 19.0 558.0 193.1 562.1
4461 21.0    0.0    0.0    0.0      4519 19.2 710.6   81.3   74.9    4577 18.9   82.3 229.7 212.4
4462 19.5    0.0    0.0    0.0      4520 20.4 646.3 130.8 112.2      4578 18.9 121.4 164.2 214.4
4463 18.6    0.0    0.0    0.0      4521 21.8 252.2 281.5 185.5      4579 17.8   16.3   74.4   60.0
4464 17.6    0.0    0.0    0.0      4522 22.5 528.9 237.7 183.4      4580 16.5    7.3   16.3   16.1
4465 16.8    0.0    0.0    0.0      4523 23.5 243.1 366.0 240.3      4581 15.3    0.0    0.0    0.0
4466 16.1    0.0    0.0    0.0      4524 24.7 177.2 398.0 254.6      4582 14.3    0.0    0.0    0.0
4467 15.5    0.0    0.0    0.0      4525 25.3 425.5 318.8 280.5      4583 13.5    0.0    0.0    0.0
4468 15.2    0.0    0.0    0.0      4526 25.4 292.7 351.7 339.4      4584 12.8    0.0    0.0    0.0
4469 15.7 119.3   26.4   16.5      4527 26.0 729.2 164.2 564.9      4585 12.2    0.0    0.0    0.0
4470 16.6 116.0   95.0   59.4      4528 26.6 618.5 174.3 598.6      4586 11.9    0.0    0.0    0.0
4471 18.0 369.3 141.5   98.6       4529 26.4 419.1 187.8 492.2      4587 11.6    0.0    0.0    0.0
4472 19.6 412.9 190.1 135.6        4530 26.0 476.8 122.5 527.7      4588 11.8    0.0    0.0    0.0
4473 21.1 522.4 205.8 158.0        4531 25.1 361.1   80.5 386.6     4589 12.6   31.2   20.6   12.5
4474 22.5 750.4 157.6 152.5        4532 23.6   11.0   18.8   20.7   4590 13.2   87.4   90.6   56.1
4475 23.5 456.8 292.3 214.3        4533 21.9    0.0    0.0    0.0   4591 13.7 688.6   84.0   75.4
4476 25.0 481.7 295.8 220.5        4534 20.6    0.0    0.0    0.0   4592 14.6    4.4 128.3   77.2
4477 26.4 627.7 232.3 271.0        4535 19.6    0.0    0.0    0.0   4593 15.9 767.4 129.1 127.7
4478 26.8 513.3 269.2 386.4        4536 18.6    0.0    0.0    0.0   4594 17.6   33.7 310.3 188.8
4479 26.7 768.6 151.9 582.1        4537 17.7    0.0    0.0    0.0   4595 19.8 291.4 350.9 235.2
4480 26.4 693.7 151.2 644.2        4538 16.9    0.0    0.0    0.0   4596 21.0 233.0 385.2 251.8
4481 25.8 514.1 165.1 564.0        4539 16.0    0.0    0.0    0.0   4597 20.3 157.7 399.1 272.6
4482 25.2 509.8 117.5 555.6        4540 15.2    0.0    0.0    0.0   4598 19.9 351.2 330.9 352.8
4483 23.9 104.3   94.7 154.4       4541 14.1    6.7   16.3    9.8   4599 20.4 108.3 344.9 276.3
4484 21.8   16.5   21.3   26.9     4542 13.8    2.4   38.4   23.1   4600 20.2   92.6 292.3 249.5
4485 19.8    0.0    0.0    0.0      4543 15.4 105.6 164.2 102.4      4601 20.4 371.2 197.5 455.3
4486 18.2    0.0    0.0    0.0      4544 16.8 473.0 174.3 129.1      4602 20.2    1.3   49.5   31.0
4487 17.1    0.0    0.0    0.0      4545 17.1    1.1   82.6   49.6   4603 19.4 136.3   91.8 183.0
4488 16.0    0.0    0.0    0.0      4546 16.8   18.8 285.6 172.8     4604 18.8    8.1   16.3   16.7
4489 15.1    0.0    0.0    0.0      4547 16.7   29.1 336.5 204.4     4605 17.8    0.0    0.0    0.0
4490 14.4    0.0    0.0    0.0      4548 16.5    6.0 255.8 154.0     4606 16.9    0.0    0.0    0.0
4491 13.7    0.0    0.0    0.0      4549 16.1    9.2 289.1 175.4     4607 16.3    0.0    0.0    0.0
4492 13.3    0.0    0.0    0.0      4550 15.8    5.3 231.6 141.3     4608 15.8    0.0    0.0    0.0
4493 13.5   18.4   21.2   12.8     4551 16.0 116.7 346.5 282.6      4609 15.4    0.0    0.0    0.0
4494 13.6   44.9   87.8   53.6     4552 16.8    1.3   90.8   55.5    4610 15.2    0.0    0.0    0.0
4495 14.8 137.6 166.1 104.7        4553 16.6 336.7 206.0 428.8      4611 14.9    0.0    0.0    0.0
4496 16.7 349.2 204.2 140.8        4554 16.1    5.1   98.1   63.7    4612 14.7    0.0    0.0    0.0
4497 17.8 838.4 115.0 124.3        4555 15.8   81.2   91.6 131.0    4613 14.5    1.9    8.2    5.0
4498 18.0 464.1 262.1 193.1        4556 15.2   12.3   18.8   21.8   4614 14.1   14.8   72.0   43.5
4499 18.4 692.3 195.4 176.2        4557 14.4    0.0    0.0    0.0   4615 14.6    6.8 108.7   65.4
```

```
4616 15.7  24.1 198.7 120.5     4674 18.9  72.9 157.3 164.2     4732 12.1   0.0   0.0   0.0
4617 15.9 111.6 293.9 183.6     4675 17.8   8.0  62.3  44.9     4733 13.4  89.2  18.5  11.4
4618 16.5   2.9 156.1  93.9     4676 16.3  12.4  16.1  20.3     4734 14.8  19.0  71.4  43.2
4619 17.3 563.0 247.0 195.8     4677 15.2   0.0   0.0   0.0     4735 16.4 421.9 126.7  90.9
4620 17.6   6.6 263.6 158.8     4678 14.5   0.0   0.0   0.0     4736 18.7 795.0  94.9  97.3
4621 17.9  25.2 344.4 211.9     4679 14.2   0.0   0.0   0.0     4737 20.3 699.1 146.6 133.1
4622 17.7  33.2 341.4 219.4     4680 13.8   0.0   0.0   0.0     4738 21.4 574.1 217.8 174.3
4623 17.8   1.0  93.7  56.9     4681 13.6   0.0   0.0   0.0     4739 22.1 714.8 184.6 170.8
4624 18.0 386.1 245.5 456.5     4682 13.6   0.0   0.0   0.0     4740 23.6 551.4 262.4 206.1
4625 17.6   2.9 104.1  65.0     4683 13.4   0.0   0.0   0.0     4741 24.8 697.8 200.5 266.7
4626 17.5  60.1 156.1 151.1     4684 13.9   0.0   0.0   0.0     4742 24.3 542.8 253.6 391.4
4627 17.4   2.5  38.4  25.4     4685 14.1   6.9  13.6   8.2     4743 24.1 740.4 158.4 571.5
4628 16.9   3.4  10.9   9.5     4686 13.9  24.4  75.8  46.0     4744 24.1 264.6 273.9 377.1
4629 16.3   0.0   0.0   0.0     4687 15.0 510.2 113.2  86.1     4745 23.9 426.6 181.4 497.9
4630 15.9   0.0   0.0   0.0     4688 16.1  32.6 205.6 125.0     4746 23.6 392.9 131.3 455.8
4631 15.7   0.0   0.0   0.0     4689 16.4 633.8 167.2 141.5     4747 22.5 143.1  86.5 186.9
4632 15.4   0.0   0.0   0.0     4690 17.2   6.1 220.4 132.7     4748 20.6  21.6  15.8  28.1
4633 15.2   0.0   0.0   0.0     4691 18.7  83.9 373.9 231.4     4749 18.9   0.0   0.0   0.0
4634 15.1   0.0   0.0   0.0     4692 20.0 402.5 325.6 230.9     4750 17.6   0.0   0.0   0.0
4635 14.9   0.0   0.0   0.0     4693 20.3 207.5 389.3 277.1     4751 16.7   0.0   0.0   0.0
4636 14.9   0.0   0.0   0.0     4694 20.8 369.8 322.5 356.3     4752 15.8   0.0   0.0   0.0
4637 14.3   2.0   8.2   5.0     4695 22.1 427.1 272.3 437.8     4753 15.1   0.0   0.0   0.0
4638 14.5   9.1  64.9  39.1     4696 22.2  34.8 263.6 186.1     4754 14.6   0.0   0.0   0.0
4639 16.6  26.3 140.6  85.3     4697 21.4 142.6 230.1 267.9     4755 14.1   0.0   0.0   0.0
4640 18.3 122.6 231.6 145.2     4698 21.3  80.2 157.6 171.4     4756 13.8   0.0   0.0   0.0
4641 19.5 281.2 272.6 181.9     4699 20.7  24.4  75.8  68.4     4757 14.6 398.8  14.7  10.2
4642 21.5  35.7 311.6 189.7     4700 19.2  14.7  16.0  22.3     4758 15.3 287.7  78.9  52.8
4643 23.6 642.4 214.0 182.7     4701 17.9   0.0   0.0   0.0     4759 16.4  22.5 133.8  81.1
4644 24.6 354.3 345.1 238.5     4702 16.8   0.0   0.0   0.0     4760 17.9 645.2 127.5 109.1
4645 24.9 145.5 399.1 270.0     4703 16.0   0.0   0.0   0.0     4761 18.7 229.5 280.2 182.9
4646 25.0 354.6 328.9 353.2     4704 15.3   0.0   0.0   0.0     4762 20.2 724.3 163.5 153.0
4647 25.5 313.8 310.5 387.6     4705 14.7   0.0   0.0   0.0     4763 21.9 668.3 202.3 177.4
4648 25.3 420.0 235.0 477.7     4706 14.2   0.0   0.0   0.0     4764 23.2 940.8 163.2 180.7
4649 25.2 238.9 221.9 350.3     4707 13.8   0.0   0.0   0.0     4765 23.5  76.7 388.2 249.0
4650 25.3 554.9 106.4 594.4     4708 13.6   0.0   0.0   0.0     4766 23.5 674.6 199.8 417.4
4651 24.0 132.8  90.2 179.0     4709 13.7  73.6  19.0  11.7     4767 23.7  78.6 335.0 251.6
4652 22.2  10.5  16.2  18.8     4710 13.6  42.2  80.7  49.3     4768 23.1 486.4 212.3 518.9
4653 20.7   0.0   0.0   0.0     4711 13.9  48.2 149.6  91.5     4769 22.1 306.3 206.7 403.6
4654 19.9   0.0   0.0   0.0     4712 14.9  35.3 207.1 126.0     4770 21.2 113.2 157.7 203.3
4655 19.4   0.0   0.0   0.0     4713 16.0 359.9 250.8 173.8     4771 20.5  73.1  83.4 119.0
4656 18.8   0.0   0.0   0.0     4714 17.2 326.0 305.3 208.0     4772 19.5  26.9  15.6  32.7
4657 18.4   0.0   0.0   0.0     4715 18.3 220.6 367.7 239.2     4773 18.5   0.0   0.0   0.0
4658 18.1   0.0   0.0   0.0     4716 19.0 610.8 237.2 196.2     4774 17.8   0.0   0.0   0.0
4659 17.7   0.0   0.0   0.0     4717 19.5  28.9 349.5 215.8     4775 17.4   0.0   0.0   0.0
4660 17.7   0.0   0.0   0.0     4718 21.0 824.8 149.6 453.0     4776 17.0   0.0   0.0   0.0
4661 17.3  26.4  18.2  11.0     4719 22.0  26.0 296.9 194.9     4777 16.8   0.0   0.0   0.0
4662 16.7  11.3  67.2  40.6     4720 21.5 196.4 287.0 330.0     4778 16.6   0.0   0.0   0.0
4663 17.0   5.3  98.1  59.1     4721 20.6 182.2 226.9 302.2     4779 16.4   0.0   0.0   0.0
4664 17.6   6.2 149.6  90.1     4722 19.8  19.3 132.1  97.7     4780 16.1   0.0   0.0   0.0
4665 18.2 138.7 293.3 185.0     4723 18.7  85.4  86.2 132.2     4781 16.0 222.9  16.6  10.7
4666 18.7   1.4 110.0  66.1     4724 17.0  17.6  15.9  24.8     4782 16.0 487.4  61.7  46.1
4667 19.5 718.9 183.7 170.9     4725 15.5   0.0   0.0   0.0     4783 16.3 166.2 156.2  99.5
4668 19.7   1.2 115.6  69.5     4726 14.6   0.0   0.0   0.0     4784 17.6 284.2 210.1 140.3
4669 19.3 648.8 221.5 269.0     4727 13.9   0.0   0.0   0.0     4785 19.5 625.9 168.1 141.1
4670 19.7  55.5 361.7 241.4     4728 13.2   0.0   0.0   0.0     4786 20.7 986.8 147.1 162.9
4671 19.6 175.4 341.4 317.4     4729 12.6   0.0   0.0   0.0     4787 21.4  79.1 370.1 228.7
4672 19.2 251.1 278.6 368.6     4730 12.3   0.0   0.0   0.0     4788 22.1 569.1 254.2 202.5
4673 19.1  82.7 227.2 211.5     4731 12.1   0.0   0.0   0.0     4789 22.8 575.3 251.5 271.6
```

4790	23.8	690.0	193.5	420.6	4848	11.6	0.0	0.0	0.0	4906	19.5	441.5	262.6	190.5
4791	24.2	673.5	180.7	542.5	4849	11.2	0.0	0.0	0.0	4907	19.3	19.3	309.1	187.0
4792	23.6	120.1	289.7	270.5	4850	10.9	0.0	0.0	0.0	4908	19.5	741.0	181.8	173.6
4793	23.2	338.3	199.6	428.8	4851	10.8	0.0	0.0	0.0	4909	20.4	882.1	151.0	275.6
4794	22.8	23.2	133.6	102.5	4852	10.9	0.0	0.0	0.0	4910	21.0	197.7	367.2	307.9
4795	21.5	88.4	83.5	133.6	4853	12.0	9.9	10.8	6.5	4911	21.6	386.7	281.2	419.0
4796	19.6	34.2	15.4	38.9	4854	13.4	6.0	51.7	31.1	4912	21.9	115.6	285.3	264.8
4797	18.1	0.0	0.0	0.0	4855	14.9	704.4	76.8	70.1	4913	21.6	222.8	215.5	333.9
4798	17.3	0.0	0.0	0.0	4856	16.1	70.1	218.0	134.3	4914	21.2	66.8	147.0	152.8
4799	16.8	0.0	0.0	0.0	4857	16.6	821.4	114.1	120.8	4915	20.0	7.6	54.2	39.7
4800	16.4	0.0	0.0	0.0	4858	16.7	22.1	286.2	173.4	4916	18.6	0.0	0.0	0.0
4801	16.0	0.0	0.0	0.0	4859	17.5	972.7	159.5	176.6	4917	17.3	0.0	0.0	0.0
4802	15.8	0.0	0.0	0.0	4860	18.4	68.3	382.2	235.3	4918	16.3	0.0	0.0	0.0
4803	15.6	0.0	0.0	0.0	4861	18.9	490.6	286.4	274.7	4919	15.7	0.0	0.0	0.0
4804	15.4	0.0	0.0	0.0	4862	19.9	699.7	188.9	274.7	4920	15.1	0.0	0.0	0.0
4805	15.1	0.4	2.8	1.7	4863	20.9	7.9	235.7	274.7	4921	14.7	0.0	0.0	0.0
4806	15.0	1.5	27.5	16.5	4864	21.9	313.9	258.9	274.7	4922	14.4	0.0	0.0	0.0
4807	15.5	4.8	90.0	54.2	4865	22.9	444.7	173.8	274.7	4923	14.1	0.0	0.0	0.0
4808	16.2	3.7	114.8	69.1	4866	23.9	257.4	145.7	274.7	4924	14.0	0.0	0.0	0.0
4809	16.9	12.7	222.5	134.3	4867	24.9	37.4	73.8	274.7	4925	14.2	0.0	0.0	0.0
4810	17.8	25.9	294.4	178.6	4868	25.9	29.1	12.9	274.7	4926	14.6	18.1	63.6	38.4
4811	17.9	115.3	376.2	235.3	4869	26.9	0.0	0.0	274.7	4927	15.6	242.7	144.2	94.6
4812	17.8	7.0	266.1	160.3	4870	14.4	0.0	0.0	0.0	4928	16.3	381.0	185.8	130.2
4813	17.6	1.6	134.7	81.1	4871	13.7	0.0	0.0	0.0	4929	16.8	63.1	274.2	168.5
4814	17.4	3.0	172.5	104.8	4872	13.0	0.0	0.0	0.0	4930	18.1	805.2	137.4	142.4
4815	18.0	4.7	193.7	119.2	4873	12.4	0.0	0.0	0.0	4931	19.7	190.9	367.6	236.4
4816	18.2	27.4	252.0	173.2	4874	11.9	0.0	0.0	0.0	4932	20.7	81.3	385.2	238.2
4817	17.9	4.4	125.6	79.4	4875	11.5	0.0	0.0	0.0	4933	21.0	625.0	228.1	268.0
4818	17.7	6.2	100.7	66.3	4876	11.4	0.0	0.0	0.0	4934	21.6	73.9	364.0	251.2
4819	17.4	2.6	35.6	23.8	4877	11.6	12.9	10.7	6.5	4935	23.0	350.7	292.1	402.4
4820	16.8	3.6	8.2	8.1	4878	11.9	28.1	70.0	42.5	4936	23.3	789.9	119.6	711.8
4821	16.2	0.0	0.0	0.0	4879	12.4	478.8	113.1	84.1	4937	22.3	219.2	215.0	330.5
4822	15.7	0.0	0.0	0.0	4880	13.7	821.5	88.7	93.9	4938	22.0	157.4	150.3	242.4
4823	15.5	0.0	0.0	0.0	4881	15.6	889.7	111.4	123.3	4939	21.4	11.9	59.1	46.8
4824	15.2	0.0	0.0	0.0	4882	17.3	272.1	316.1	210.0	4940	19.7	0.0	0.0	0.0
4825	14.9	0.0	0.0	0.0	4883	18.3	495.6	270.2	210.0	4941	18.4	0.0	0.0	0.0
4826	14.8	0.0	0.0	0.0	4884	19.3	420.9	314.5	210.0	4942	17.5	0.0	0.0	0.0
4827	14.6	0.0	0.0	0.0	4885	20.3	138.5	393.5	210.0	4943	16.9	0.0	0.0	0.0
4828	14.6	0.0	0.0	0.0	4886	21.3	489.1	272.8	210.0	4944	16.3	0.0	0.0	0.0
4829	14.5	55.3	14.8	9.0	4887	22.3	357.2	291.4	210.0	4945	15.8	0.0	0.0	0.0
4830	14.2	41.4	75.8	46.2	4888	23.3	594.8	176.0	210.0	4946	15.5	0.0	0.0	0.0
4831	14.6	0.6	33.1	19.9	4889	24.3	267.3	209.7	210.0	4947	15.1	0.0	0.0	0.0
4832	16.0	150.7	224.9	142.5	4890	25.3	558.7	99.9	210.0	4948	14.9	0.0	0.0	0.0
4833	16.6	1.9	104.4	62.7	4891	26.3	65.3	77.3	210.0	4949	15.4	0.0	0.0	0.0
4834	16.3	54.9	322.7	197.7	4892	27.3	12.9	10.7	210.0	4950	16.2	291.6	70.2	47.1
4835	16.3	4.7	215.5	129.7	4893	19.5	0.0	0.0	0.0	4951	17.2	21.8	126.1	76.4
4836	15.8	5.2	237.1	142.7	4894	18.5	0.0	0.0	0.0	4952	18.6	231.4	212.3	138.7
4837	15.7	1.5	129.2	77.9	4895	17.9	0.0	0.0	0.0	4953	20.0	69.8	275.7	169.8
4838	15.7	1.2	107.4	64.9	4896	17.2	0.0	0.0	0.0	4954	21.6	421.1	268.3	192.3
4839	15.7	1.1	93.6	56.9	4897	16.7	0.0	0.0	0.0	4955	22.4	814.4	149.7	156.9
4840	15.9	3.0	131.4	81.3	4898	16.3	0.0	0.0	0.0	4956	23.1	647.1	218.5	187.1
4841	15.2	5.7	141.6	90.2	4899	15.9	0.0	0.0	0.0	4957	23.8	45.2	363.8	227.7
4842	14.8	9.8	113.3	77.4	4900	15.5	0.0	0.0	0.0	4958	23.6	532.1	254.0	388.3
4843	14.6	0.4	13.8	8.7	4901	15.7	0.0	0.0	0.0	4959	23.5	674.2	177.9	543.9
4844	13.9	4.0	8.2	8.4	4902	15.9	16.8	63.7	38.5	4960	24.0	88.8	280.4	240.3
4845	13.1	0.0	0.0	0.0	4903	16.3	635.5	86.7	73.4	4961	24.2	854.0	84.2	836.3
4846	12.5	0.0	0.0	0.0	4904	17.6	222.8	215.5	140.2	4962	23.9	7.0	100.5	67.0
4847	12.0	0.0	0.0	0.0	4905	18.9	892.7	111.4	123.3	4963	23.5	94.5	75.7	135.4

4964	22.6	0.0	0.0	0.0	5022	18.2	38.6	66.1	40.3	5080	19.2	8.5	197.5	125.5
4965	21.4	0.0	0.0	0.0	5023	17.6	406.7	118.9	84.5	5081	19.0	19.0	177.1	123.8
4966	20.2	0.0	0.0	0.0	5024	18.8	86.3	214.2	132.6	5082	18.9	8.9	102.7	70.3
4967	19.4	0.0	0.0	0.0	5025	20.8	722.7	135.2	126.0	5083	18.5	4.3	38.2	27.1
4968	18.6	0.0	0.0	0.0	5026	22.5	114.6	332.5	207.9	5084	17.7	0.0	0.0	0.0
4969	18.0	0.0	0.0	0.0	5027	23.0	789.4	155.7	158.0	5085	16.7	0.0	0.0	0.0
4970	17.4	0.0	0.0	0.0	5028	22.9	37.7	353.7	215.5	5086	16.0	0.0	0.0	0.0
4971	16.7	0.0	0.0	0.0	5029	23.2	614.6	230.8	267.3	5087	15.5	0.0	0.0	0.0
4972	16.0	0.0	0.0	0.0	5030	24.1	119.0	369.5	274.6	5088	15.0	0.0	0.0	0.0
4973	15.7	0.0	0.0	0.0	5031	24.4	364.8	284.7	408.0	5089	14.6	0.0	0.0	0.0
4974	16.4	133.3	75.1	47.3	5032	24.2	24.3	240.5	164.0	5090	14.3	0.0	0.0	0.0
4975	17.9	284.0	137.4	91.8	5033	23.8	237.6	208.4	344.3	5091	13.9	0.0	0.0	0.0
4976	19.6	691.0	112.5	101.0	5034	23.8	8.3	102.9	69.8	5092	13.7	0.0	0.0	0.0
4977	21.4	364.0	242.0	168.0	5035	23.4	298.3	66.2	324.6	5093	13.6	0.0	0.0	0.0
4978	22.8	510.9	236.1	179.5	5036	22.0	0.0	0.0	0.0	5094	13.0	1.9	24.7	14.9
4979	24.0	822.5	147.4	156.1	5037	20.5	0.0	0.0	0.0	5095	13.1	2.1	54.9	33.0
4980	25.6	625.9	227.0	190.3	5038	19.3	0.0	0.0	0.0	5096	14.2	2.7	93.2	56.0
4981	27.1	887.6	151.3	276.9	5039	18.5	0.0	0.0	0.0	5097	14.9	2.6	117.9	70.9
4982	27.8	661.2	202.0	414.5	5040	17.8	0.0	0.0	0.0	5098	15.5	5.1	196.3	118.1
4983	28.1	325.5	298.2	390.2	5041	17.2	0.0	0.0	0.0	5099	16.6	23.1	311.9	189.0
4984	28.2	626.1	164.4	607.0	5042	16.7	0.0	0.0	0.0	5100	18.0	23.8	329.7	199.9
4985	27.9	343.8	191.8	431.7	5043	16.3	0.0	0.0	0.0	5101	18.3	14.5	304.3	185.6
4986	27.6	722.3	71.5	743.0	5044	16.2	0.0	0.0	0.0	5102	18.2	6.4	239.3	146.4
4987	26.5	88.6	74.2	129.0	5045	16.6	0.0	0.0	0.0	5103	18.8	86.9	325.6	252.0
4988	24.7	0.0	0.0	0.0	5046	17.0	61.2	68.2	41.9	5104	19.1	3.2	131.4	81.4
4989	23.0	0.0	0.0	0.0	5047	18.2	25.8	125.1	75.9	5105	19.1	98.0	212.1	218.1
4990	21.7	0.0	0.0	0.0	5048	20.4	202.9	211.6	136.7	5106	18.9	0.6	30.4	18.8
4991	20.8	0.0	0.0	0.0	5049	21.7	531.1	191.4	147.7	5107	18.1	74.6	66.6	111.4
4992	20.0	0.0	0.0	0.0	5050	22.4	820.2	132.4	139.6	5108	17.1	0.0	0.0	0.0
4993	19.3	0.0	0.0	0.0	5051	23.5	588.1	229.6	185.7	5109	16.0	0.0	0.0	0.0
4994	18.7	0.0	0.0	0.0	5052	24.7	599.6	236.7	193.4	5110	15.2	0.0	0.0	0.0
4995	18.1	0.0	0.0	0.0	5053	25.0	382.8	325.0	275.2	5111	14.7	0.0	0.0	0.0
4996	17.8	0.0	0.0	0.0	5054	24.3	940.2	151.3	508.7	5112	14.2	0.0	0.0	0.0
4997	17.7	0.0	0.0	0.0	5055	24.3	59.2	317.7	229.2	5113	13.8	0.0	0.0	0.0
4998	17.5	60.3	70.7	43.4	5056	24.7	394.8	231.2	460.2	5114	13.5	0.0	0.0	0.0
4999	18.7	136.5	147.3	92.8	5057	24.5	173.9	214.3	289.3	5115	13.2	0.0	0.0	0.0
5000	20.6	871.0	83.0	91.9	5058	23.9	120.9	144.7	204.4	5116	13.2	0.0	0.0	0.0
5001	21.5	136.1	281.9	177.6	5059	22.7	3.1	32.9	22.6	5117	13.6	0.0	0.0	0.0
5002	23.6	987.9	143.9	159.3	5060	21.4	0.0	0.0	0.0	5118	13.8	19.9	55.4	33.5
5003	27.0	410.2	300.4	213.9	5061	19.8	0.0	0.0	0.0	5119	14.1	136.9	140.8	88.7
5004	28.5	924.7	157.2	174.1	5062	18.7	0.0	0.0	0.0	5120	14.5	127.7	212.4	133.4
5005	29.3	666.8	209.6	265.6	5063	18.1	0.0	0.0	0.0	5121	15.0	692.0	141.9	127.4
5006	30.3	892.8	144.4	483.0	5064	17.4	0.0	0.0	0.0	5122	16.8	107.1	327.9	204.5
5007	31.1	522.7	231.3	478.4	5065	16.8	0.0	0.0	0.0	5123	18.5	220.8	355.1	230.9
5008	30.8	740.3	130.9	680.1	5066	16.4	0.0	0.0	0.0	5124	20.0	352.4	334.0	230.4
5009	29.0	422.4	174.2	494.0	5067	15.9	0.0	0.0	0.0	5125	20.8	211.8	375.7	269.8
5010	27.7	39.0	134.5	118.6	5068	15.4	0.0	0.0	0.0	5126	20.7	240.0	350.7	317.3
5011	26.5	60.3	70.7	100.0	5069	14.6	0.0	0.0	0.0	5127	21.0	47.2	307.4	215.3
5012	24.7	0.0	0.0	0.0	5070	14.0	0.4	11.1	6.6	5128	20.6	533.2	188.7	548.8
5013	22.8	0.0	0.0	0.0	5071	14.4	4.1	76.5	46.0	5129	19.9	10.9	158.8	105.4
5014	21.5	0.0	0.0	0.0	5072	15.7	66.0	207.6	127.7	5130	20.0	48.8	132.1	126.9
5015	20.6	0.0	0.0	0.0	5073	17.1	1.0	74.4	44.7	5131	19.7	39.1	60.9	74.0
5016	19.7	0.0	0.0	0.0	5074	18.1	44.0	306.8	187.3	5132	18.6	0.0	0.0	0.0
5017	19.0	0.0	0.0	0.0	5075	18.9	4.6	207.4	124.8	5133	17.3	0.0	0.0	0.0
5018	18.3	0.0	0.0	0.0	5076	19.9	346.1	337.7	232.3	5134	16.3	0.0	0.0	0.0
5019	17.7	0.0	0.0	0.0	5077	20.1	2.7	167.2	100.9	5135	15.7	0.0	0.0	0.0
5020	17.4	0.0	0.0	0.0	5078	19.5	7.5	252.2	154.7	5136	15.1	0.0	0.0	0.0
5021	18.3	0.0	0.0	0.0	5079	19.2	34.2	297.3	200.6	5137	14.6	0.0	0.0	0.0

```
5138 14.3    0.0    0.0    0.0      5196 24.5 897.8 149.4 165.4      5254 17.4    0.0    0.0    0.0
5139 14.0    0.0    0.0    0.0      5197 26.2 781.7 163.8 261.9      5255 17.1    0.0    0.0    0.0
5140 13.8    0.0    0.0    0.0      5198 27.5 555.4 239.2 391.4      5256 16.7    0.0    0.0    0.0
5141 13.1    0.0    0.0    0.0      5199 28.1 557.2 214.0 493.0      5257 16.4    0.0    0.0    0.0
5142 13.4    0.9   16.5    9.9      5200 28.2 671.6 146.0 637.9      5258 16.1    0.0    0.0    0.0
5143 14.6 184.2 137.8   88.3      5201 27.8 209.8 203.6 317.3      5259 15.7    0.0    0.0    0.0
5144 15.0    7.8 146.4   88.2      5202 27.5 118.8 136.5 198.2      5260 15.3    0.0    0.0    0.0
5145 15.6   84.1 271.2 167.8      5203 26.5   22.4   52.5   53.0      5261 14.9    0.0    0.0    0.0
5146 17.0    5.3 198.9 119.7      5204 24.8    0.0    0.0    0.0      5262 15.3    0.5   11.0    6.6
5147 17.8 129.6 365.1 229.5      5205 23.1    0.0    0.0    0.0      5263 16.4    7.2   89.6   54.0
5148 18.0   19.1 317.1 191.9      5206 21.9    0.0    0.0    0.0      5264 17.4    6.0 130.6   78.6
5149 18.3   40.1 352.2 219.7      5207 21.1    0.0    0.0    0.0      5265 18.2    5.7 168.8 101.6
5150 18.3    2.2 142.7   86.6      5208 20.3    0.0    0.0    0.0      5266 19.5   26.1 278.7 169.1
5151 19.0 442.1 255.4 442.0      5209 19.7    0.0    0.0    0.0      5267 20.6   70.6 349.6 215.4
5152 19.5   12.7 211.8 137.4      5210 19.2    0.0    0.0    0.0      5268 21.5   95.4 375.9 233.5
5153 19.1 530.7 144.7 579.3      5211 18.6    0.0    0.0    0.0      5269 22.0   87.6 374.2 242.8
5154 18.4    0.7   30.4   18.9      5212 18.2    0.0    0.0    0.0      5270 22.2 489.1 262.8 376.3
5155 17.5 167.5   64.8 199.7      5213 18.0    0.0    0.0    0.0      5271 22.9    4.8 185.5 114.4
5156 16.6    0.0    0.0    0.0      5214 17.4    5.0   35.5   21.3      5272 23.2 207.1 263.4 328.2
5157 16.0    0.0    0.0    0.0      5215 17.2 235.7 129.9   84.9      5273 23.0    6.4 133.2   85.9
5158 15.4    0.0    0.0    0.0      5216 17.6 176.8 205.4 131.3      5274 22.8   45.5 122.9 118.4
5159 14.9    0.0    0.0    0.0      5217 18.0 446.0 210.7 153.2      5275 22.3 119.5   57.2 149.7
5160 14.3    0.0    0.0    0.0      5218 18.2 876.1 123.6 136.9      5276 21.3    0.0    0.0    0.0
5161 13.9    0.0    0.0    0.0      5219 18.5 791.7 152.2 154.5      5277 20.3    0.0    0.0    0.0
5162 13.7    0.0    0.0    0.0      5220 19.4 650.0 212.5 182.2      5278 19.6    0.0    0.0    0.0
5163 13.3    0.0    0.0    0.0      5221 20.4 770.0 167.3 261.5      5279 19.1    0.0    0.0    0.0
5164 13.5    0.0    0.0    0.0      5222 21.0 567.3 233.9 393.7      5280 18.6    0.0    0.0    0.0
5165 13.7    0.0    0.0    0.0      5223 21.2 940.8 132.9 696.0      5281 18.2    0.0    0.0    0.0
5166 13.7   72.8   62.0   38.2      5224 21.0 800.3 112.5 723.9      5282 17.8    0.0    0.0    0.0
5167 14.4   10.5 102.4   61.7      5225 20.5 367.3 176.8 448.0      5283 17.3    0.0    0.0    0.0
5168 15.2   23.0 178.3 108.0      5226 20.0 222.7 130.9 296.8      5284 16.8    0.0    0.0    0.0
5169 16.6 398.8 225.6 159.5      5227 18.7   19.7   50.2   49.1      5285 15.4    0.0    0.0    0.0
5170 19.2 286.3 302.1 201.9      5228 16.8    0.0    0.0    0.0      5286 15.2   39.3   50.8   30.9
5171 20.6 543.7 244.4 190.3      5229 15.0    0.0    0.0    0.0      5287 16.6    9.4   94.5   57.0
5172 20.6 121.9 383.2 240.2      5230 13.6    0.0    0.0    0.0      5288 18.1 669.8 109.1   95.4
5173 20.4 194.8 377.1 267.0      5231 12.7    0.0    0.0    0.0      5289 19.6   81.2 263.2 162.7
5174 21.1 684.7 189.6 419.1      5232 11.9    0.0    0.0    0.0      5290 20.5   83.6 316.0 195.5
5175 21.9 103.7 325.3 263.0      5233 11.2    0.0    0.0    0.0      5291 21.4   74.1 349.9 215.8
5176 21.8 449.8 211.4 495.1      5234 10.8    0.0    0.0    0.0      5292 21.8 773.5 165.0 163.4
5177 21.4   69.9 203.8 187.2      5235 10.4    0.0    0.0    0.0      5293 22.2 332.0 335.0 270.3
5178 21.0 130.6 138.1 210.5      5236 10.2    0.0    0.0    0.0      5294 22.6 542.3 241.6 387.5
5179 20.8   11.9   48.3   40.4      5237 10.4    0.0    0.0    0.0      5295 23.0 528.5 221.1 479.7
5180 20.3    0.0    0.0    0.0      5238 11.2    3.8   30.1   18.1      5296 23.1 477.1 199.2 512.0
5181 19.3    0.0    0.0    0.0      5239 12.7   17.5 108.7   65.8      5297 22.4 319.9 182.1 408.0
5182 18.5    0.0    0.0    0.0      5240 14.7   38.9 187.9 114.5      5298 22.3 190.0 128.8 264.0
5183 18.2    0.0    0.0    0.0      5241 16.6 115.3 270.2 169.0      5299 22.1 114.5   55.5 144.0
5184 17.9    0.0    0.0    0.0      5242 18.0    3.2 153.3   92.2      5300 20.9    0.0    0.0    0.0
5185 17.7    0.0    0.0    0.0      5243 19.1 201.4 353.9 228.4      5301 19.5    0.0    0.0    0.0
5186 17.6    0.0    0.0    0.0      5244 20.2   17.8 310.1 187.6      5302 18.3    0.0    0.0    0.0
5187 17.4    0.0    0.0    0.0      5245 21.2 590.6 236.2 265.2      5303 17.4    0.0    0.0    0.0
5188 17.0    0.0    0.0    0.0      5246 22.1   22.1 304.6 192.7      5304 16.5    0.0    0.0    0.0
5189 16.8    0.0    0.0    0.0      5247 21.9 336.7 285.2 391.8      5305 15.7    0.0    0.0    0.0
5190 16.5   22.4   52.5   31.8      5248 20.9    6.2 174.1 109.5      5306 15.1    0.0    0.0    0.0
5191 16.8 438.6 106.9   77.3      5249 20.5   27.3 179.3 133.1      5307 14.5    0.0    0.0    0.0
5192 18.4 551.5 138.3 108.3      5250 20.5    3.2   63.0   40.9      5308 14.3    0.0    0.0    0.0
5193 20.8 324.4 243.7 165.8      5251 20.3 105.0   58.6 136.4      5309 13.5    0.0    0.0    0.0
5194 22.1 677.4 172.2 152.0      5252 19.3    0.0    0.0    0.0      5310 12.2    0.3    8.3    5.0
5195 22.9 656.9 199.6 172.4      5253 18.1    0.0    0.0    0.0      5311 13.0    6.4   84.3   50.8
```

53

```
5312 14.3    2.6  85.0   51.1      5370 23.6    1.3  38.5   24.4      5428 14.4    0.0    0.0    0.0
5313 14.5    2.8 117.8   70.8      5371 23.0    4.3  27.3   20.5      5429 13.9    0.0    0.0    0.0
5314 14.7    3.5 158.6   95.4      5372 22.0    0.0   0.0    0.0      5430 13.3    0.9   11.0    6.6
5315 15.4    3.2 169.7  102.1      5373 20.8    0.0   0.0    0.0      5431 12.6    0.6   24.8   14.9
5316 15.9    6.1 242.1  145.8      5374 20.0    0.0   0.0    0.0      5432 12.5    3.5   95.7   57.6
5317 15.1    1.2 107.4   64.7      5375 19.6    0.0   0.0    0.0      5433 13.1    1.0   68.9   41.4
5318 14.4    1.2 101.9   61.6      5376 19.2    0.0   0.0    0.0      5434 13.9   11.0 234.1  141.2
5319 14.8   46.2 298.0  209.2      5377 18.9    0.0   0.0    0.0      5435 14.6    2.3 139.9   84.1
5320 14.9    0.9  66.2   40.4      5378 18.7    0.0   0.0    0.0      5436 15.3   91.8 366.9  227.6
5321 14.5    4.2 109.2   69.5      5379 18.4    0.0   0.0    0.0      5437 16.2    6.0 236.8  143.3
5322 14.2    4.7  73.7   48.8      5380 18.2    0.0   0.0    0.0      5438 16.4   31.5 311.8  201.2
5323 13.9    0.3   8.3    5.3      5381 18.4    0.0   0.0    0.0      5439 16.6   36.3 283.4  194.0
5324 13.4    0.0   0.0    0.0      5382 18.5   25.1  41.8   25.3      5440 16.4    2.1  98.8   61.0
5325 12.9    0.0   0.0    0.0      5383 18.8  135.6 124.1   78.2      5441 15.9   27.4 168.9  127.1
5326 12.5    0.0   0.0    0.0      5384 20.0  368.7 168.1  116.8      5442 16.0    0.6  24.8   15.5
5327 12.3    0.0   0.0    0.0      5385 21.8  576.5 167.4  133.7      5443 15.8    0.5   8.3    5.4
5328 12.1    0.0   0.0    0.0      5386 23.8  709.9 157.1  143.6      5444 15.4    0.0   0.0    0.0
5329 12.0    0.0   0.0    0.0      5387 25.6  600.8 216.3  176.5      5445 14.8    0.0   0.0    0.0
5330 11.9    0.0   0.0    0.0      5388 26.4  359.9 321.5  222.4      5446 14.5    0.0   0.0    0.0
5331 11.9    0.0   0.0    0.0      5389 25.3  414.4 301.8  267.5      5447 14.3    0.0   0.0    0.0
5332 12.0    0.0   0.0    0.0      5390 24.0   17.1 286.7  179.7      5448 14.1    0.0   0.0    0.0
5333 12.4    0.0   0.0    0.0      5391 23.7  478.1 234.7  455.9      5449 14.0    0.0   0.0    0.0
5334 12.5   17.6  42.4   25.7      5392 23.1    2.0  98.8   61.0      5450 14.0    0.0   0.0    0.0
5335 13.4   13.5  99.0   59.8      5393 21.9   84.3 194.1  195.5      5451 13.9    0.0   0.0    0.0
5336 15.3   17.0 162.0   97.9      5394 21.4    3.1  57.5   37.5      5452 13.9    0.0   0.0    0.0
5337 16.7  189.4 261.8  168.1      5395 20.7    7.0  32.6   26.3      5453 14.6    0.0   0.0    0.0
5338 17.9    1.1  88.1   53.0      5396 19.6    0.0   0.0    0.0      5454 14.4   16.3  34.6   20.9
5339 18.8  385.6 298.0  209.0      5397 18.6    0.0   0.0    0.0      5455 14.0   31.5 105.7   64.2
5340 19.5    2.8 167.1  100.5      5398 17.9    0.0   0.0    0.0      5456 15.4  213.8 187.5  121.5
5341 19.9   99.6 373.3  244.8      5399 17.5    0.0   0.0    0.0      5457 17.1   19.7 213.9  129.4
5342 20.9  107.2 355.0  261.0      5400 17.0    0.0   0.0    0.0      5458 18.6  979.4 132.5  146.5
5343 22.0   25.1 274.1  181.0      5401 16.7    0.0   0.0    0.0      5459 20.1  335.2 309.3  211.3
5344 21.6   24.5 227.4  156.6      5402 16.6    0.0   0.0    0.0      5460 21.5  155.1 368.7  233.8
5345 20.6   12.3 152.9  103.3      5403 16.4    0.0   0.0    0.0      5461 21.8   11.2 277.1  168.6
5346 20.2   31.9 113.3   99.4      5404 16.4    0.0   0.0    0.0      5462 21.4  969.7 147.1  523.6
5347 19.7    3.2  24.6   17.9      5405 16.7    0.0   0.0    0.0      5463 21.0    5.1 185.4  114.6
5348 19.2    0.0   0.0    0.0      5406 16.8  469.0  35.2   25.8      5464 20.0   37.4 234.4  171.6
5349 18.6    0.0   0.0    0.0      5407 17.4  678.0  64.9   57.1      5465 18.4   17.6 156.5  110.4
5350 18.3    0.0   0.0    0.0      5408 18.5   11.6 147.8   89.2      5466 17.1    0.8  27.6   17.3
5351 18.2    0.0   0.0    0.0      5409 19.5  851.9 100.3  109.0      5467 16.4   16.3  34.6   36.6
5352 18.0    0.0   0.0    0.0      5410 20.5  883.2 120.2  133.2      5468 15.7    0.0   0.0    0.0
5353 17.9    0.0   0.0    0.0      5411 20.8  593.2 218.5  177.1      5469 14.9    0.0   0.0    0.0
5354 17.9    0.0   0.0    0.0      5412 21.0  489.9 271.9  203.2      5470 14.4    0.0   0.0    0.0
5355 17.7    0.0   0.0    0.0      5413 21.3  318.2 334.4  266.9      5471 14.2    0.0   0.0    0.0
5356 17.4    0.0   0.0    0.0      5414 22.1  579.1 223.9  394.1      5472 14.1    0.0   0.0    0.0
5357 16.9    0.0   0.0    0.0      5415 22.8  108.8 313.7  260.0      5473 14.0    0.0   0.0    0.0
5358 15.8   49.7  47.3   28.9      5416 22.2  116.8 260.8  253.0      5474 13.9    0.0   0.0    0.0
5359 15.8    5.7  79.0   47.5      5417 21.7  175.7 194.0  281.3      5475 13.8    0.0   0.0    0.0
5360 16.9   35.3 179.1  109.0      5418 21.3   87.8 120.9  159.2      5476 13.6    0.0   0.0    0.0
5361 18.1  164.8 262.7  167.2      5419 20.5  239.9  44.8  259.9      5477 13.4    0.0   0.0    0.0
5362 19.3   54.4 300.9  184.4      5420 19.4    0.0   0.0    0.0      5478 13.4   77.0  40.3   24.8
5363 19.9  115.3 354.5  221.7      5421 18.1    0.0   0.0    0.0      5479 13.2    0.6  24.8   14.9
5364 21.1  367.3 319.9  222.2      5422 17.1    0.0   0.0    0.0      5480 13.2   12.0 145.0   87.5
5365 22.1  184.7 370.2  260.6      5423 16.5    0.0   0.0    0.0      5481 13.9   61.1 246.2  151.1
5366 22.7  442.8 276.7  364.4      5424 15.9    0.0   0.0    0.0      5482 14.7    4.3 169.3  101.9
5367 23.7   52.3 299.7  214.2      5425 15.5    0.0   0.0    0.0      5483 15.8    5.9 220.5  132.7
5368 24.0   39.2 241.2  177.0      5426 15.1    0.0   0.0    0.0      5484 16.9    1.2 107.4   64.5
5369 23.8  130.3 198.7  241.3      5427 14.7    0.0   0.0    0.0      5485 17.9  348.8 321.1  265.1
```

```
5486 18.6    1.2 101.9   61.7      5544 13.5    0.0    0.0    0.0      5602 15.5    2.2 118.0   70.9
5487 18.7   38.0 282.5 194.6       5545 13.4    0.0    0.0    0.0      5603 16.6 665.1 186.3 161.4
5488 18.6    1.2  74.3   45.6      5546 13.3    0.0    0.0    0.0      5604 17.6 167.3 359.4 228.8
5489 18.4   18.3 156.2 111.0       5547 13.3    0.0    0.0    0.0      5605 17.8 225.0 349.9 256.5
5490 18.2    0.6  24.8   15.5      5548 13.3    0.0    0.0    0.0      5606 17.5 248.3 325.6 307.0
5491 17.6    4.1  21.9   17.1      5549 13.5    0.0    0.0    0.0      5607 17.7   32.5 270.1 183.6
5492 16.8    0.0   0.0    0.0      5550 13.6   87.3   34.9   21.6      5608 18.0 483.9 183.7 512.8
5493 16.0    0.0   0.0    0.0      5551 13.9    4.6   62.8   37.8      5609 17.6    7.0 122.2   79.9
5494 15.4    0.0   0.0    0.0      5552 14.7 309.8 168.4 113.6         5610 17.2   11.0  80.7   59.3
5495 15.0    0.0   0.0    0.0      5553 15.7 142.5 251.9 159.0         5611 16.4   20.3  26.4   35.7
5496 14.6    0.0   0.0    0.0      5554 17.1 101.3 304.3 189.4         5612 14.9    0.0   0.0    0.0
5497 14.3    0.0   0.0    0.0      5555 18.4 172.7 341.9 218.2         5613 13.5    0.0   0.0    0.0
5498 14.0    0.0   0.0    0.0      5556 19.4 246.8 347.6 228.2         5614 12.8    0.0   0.0    0.0
5499 13.7    0.0   0.0    0.0      5557 20.4 125.1 364.1 244.4         5615 12.3    0.0   0.0    0.0
5500 13.5    0.0   0.0    0.0      5558 20.7   71.6 334.9 233.1        5616 11.9    0.0   0.0    0.0
5501 12.9    0.0   0.0    0.0      5559 20.8 668.0 165.9 541.8         5617 11.7    0.0   0.0    0.0
5502 12.0    3.4  19.2   11.5      5560 20.8   19.6 208.6 141.5        5618 11.5    0.0   0.0    0.0
5503 12.1    0.7  24.8   14.9      5561 20.4   39.8 169.9 139.5        5619 11.4    0.0   0.0    0.0
5504 13.0   31.2 167.6 101.9       5562 20.2   12.6  85.8   64.0       5620 11.6    0.0   0.0    0.0
5505 14.2    8.2 178.7 107.7       5563 19.6   11.9  26.9   27.7       5621 11.8    0.0   0.0    0.0
5506 15.3    5.7 193.4 116.4       5564 18.3    0.0   0.0    0.0       5622 12.4    9.5  21.6   13.0
5507 15.8   13.0 267.9 161.7       5565 17.0    0.0   0.0    0.0       5623 13.4   86.9 104.8   64.9
5508 16.0    1.2 107.4   64.5      5566 16.0    0.0   0.0    0.0       5624 14.0 206.8 176.7 114.1
5509 15.7    2.8 161.6   97.6      5567 15.4    0.0   0.0    0.0       5625 15.4   96.5 245.1 152.2
5510 15.9    5.0 204.5 125.0       5568 14.9    0.0   0.0    0.0       5626 16.9 345.0 264.1 181.2
5511 16.2    1.8 109.9   67.1      5569 14.4    0.0   0.0    0.0       5627 17.5   95.9 337.0 209.3
5512 15.9    1.0  66.1   40.5      5570 14.0    0.0   0.0    0.0       5628 17.8   68.7 348.7 214.6
5513 15.3    3.3  90.3   57.3      5571 13.6    0.0   0.0    0.0       5629 17.8 209.8 351.5 254.3
5514 15.2    3.2  54.7   36.1      5572 13.3    0.0   0.0    0.0       5630 17.5    4.7 193.7 118.3
5515 14.9    4.5  21.8   17.5      5573 13.0    0.0   0.0    0.0       5631 16.9 296.5 276.7 362.6
5516 14.3    0.0   0.0    0.0      5574 12.8   15.4  26.7   16.1       5632 16.4    0.9  63.4   38.8
5517 13.7    0.0   0.0    0.0      5575 13.1    7.7  75.9   45.7       5633 15.3 287.7 167.0 372.2
5518 13.3    0.0   0.0    0.0      5576 14.0   13.0 142.0   85.7       5634 14.3    0.5  19.3   12.1
5519 13.1    0.0   0.0    0.0      5577 15.1    1.7  85.2   51.2       5635 13.0    4.4  16.4   14.1
5520 12.8    0.0   0.0    0.0      5578 16.4   90.1 301.0 186.6        5636 11.9    0.0   0.0    0.0
5521 12.6    0.0   0.0    0.0      5579 16.8   16.7 276.4 167.1        5637 11.2    0.0   0.0    0.0
5522 12.5    0.0   0.0    0.0      5580 16.7    5.8 228.7 137.7        5638 10.7    0.0   0.0    0.0
5523 12.4    0.0   0.0    0.0      5581 16.8    3.5 177.8 107.4        5639 10.5    0.0   0.0    0.0
5524 12.5    0.0   0.0    0.0      5582 16.4   25.2 294.9 188.3        5640 10.4    0.0   0.0    0.0
5525 12.1    0.0   0.0    0.0      5583 16.5   11.9 231.0 146.4        5641 10.2    0.0   0.0    0.0
5526 11.6    0.7   8.3    5.0      5584 16.8    7.9 173.5 110.6        5642 10.1    0.0   0.0    0.0
5527 12.2    0.4  19.3   11.6      5585 16.5   98.1 182.7 202.3        5643 10.1    0.0   0.0    0.0
5528 13.3   21.8 157.7   95.5      5586 15.8    0.4  19.3   12.0       5644 10.3    0.0   0.0    0.0
5529 14.0    7.1 171.0 103.0       5587 15.3    1.5  11.0    8.1       5645 10.2    0.0   0.0    0.0
5530 14.4    4.4 169.3 101.9       5588 14.7    0.0   0.0    0.0       5646 11.1    0.6   5.5    3.3
5531 14.3    1.1  96.4   57.9      5589 14.0    0.0   0.0    0.0       5647 12.7 319.4  93.8   63.5
5532 14.9 101.2 363.4 226.1        5590 13.4    0.0   0.0    0.0       5648 13.3    0.8  41.4   24.9
5533 15.6    1.1 101.9   61.4      5591 13.1    0.0   0.0    0.0       5649 14.5 734.5 116.9 109.4
5534 15.6    6.4 225.7 138.3       5592 12.8    0.0   0.0    0.0       5650 16.1    4.6 169.2 101.8
5535 15.8    1.0  82.6   50.3      5593 12.5    0.0   0.0    0.0       5651 17.6 861.3 129.4 141.2
5536 15.7   45.6 235.8 179.3       5594 12.3    0.0   0.0    0.0       5652 19.3    7.7 246.7 148.6
5537 15.3    1.5  60.5   37.7      5595 12.1    0.0   0.0    0.0       5653 19.9 567.9 232.8 256.9
5538 15.2    1.9  41.2   26.6      5596 12.0    0.0   0.0    0.0       5654 19.3    1.2  96.4   58.3
5539 14.9    1.2  11.0    7.8      5597 12.7    0.0   0.0    0.0       5655 18.3 396.8 248.2 412.1
5540 14.5    0.0   0.0    0.0      5598 13.0   32.8  28.3   17.2       5656 17.4    1.0  63.4   38.8
5541 14.0    0.0   0.0    0.0      5599 13.1 226.9 104.6   68.1        5657 17.0 276.8 166.8 362.1
5542 13.7    0.0   0.0    0.0      5600 14.1   23.1 154.7   93.7       5658 16.5    0.5  19.3   12.1
5543 13.6    0.0   0.0    0.0      5601 14.9 672.5 133.9 116.8         5659 15.6   21.9  23.7   35.7
```

5660	14.6	0.0	0.0	0.0	5718	8.7	0.8	5.5	3.3	5776	24.8	651.7	133.0	624.0
5661	13.7	0.0	0.0	0.0	5719	9.9	136.2	98.5	62.0	5777	23.8	83.0	166.5	178.7
5662	13.3	0.0	0.0	0.0	5720	11.5	65.1	167.0	102.7	5778	22.9	29.1	82.9	78.8
5663	13.0	0.0	0.0	0.0	5721	12.6	124.7	240.2	150.6	5779	21.6	35.6	17.9	45.7
5664	12.8	0.0	0.0	0.0	5722	13.6	33.9	264.3	160.7	5780	20.0	0.0	0.0	0.0
5665	12.6	0.0	0.0	0.0	5723	14.2	92.2	330.1	204.7	5781	18.4	0.0	0.0	0.0
5666	12.5	0.0	0.0	0.0	5724	14.7	3.9	183.1	110.2	5782	17.2	0.0	0.0	0.0
5667	12.4	0.0	0.0	0.0	5725	15.4	47.3	330.1	207.8	5783	16.4	0.0	0.0	0.0
5668	12.7	0.0	0.0	0.0	5726	16.1	98.3	331.2	242.9	5784	15.6	0.0	0.0	0.0
5669	12.4	0.0	0.0	0.0	5727	17.1	170.2	293.2	289.0	5785	15.0	0.0	0.0	0.0
5670	12.5	3.9	13.7	8.2	5728	17.5	34.1	215.4	157.7	5786	14.4	0.0	0.0	0.0
5671	13.1	0.5	19.3	11.6	5729	18.0	428.1	138.1	488.8	5787	13.8	0.0	0.0	0.0
5672	12.9	5.0	103.6	62.4	5730	18.2	349.6	85.9	400.6	5788	13.4	0.0	0.0	0.0
5673	13.3	4.2	131.1	78.9	5731	17.5	97.9	22.9	109.8	5789	13.5	0.0	0.0	0.0
5674	13.7	1.9	107.1	64.4	5732	16.7	0.0	0.0	0.0	5790	13.6	99.1	18.3	11.2
5675	14.2	34.4	302.4	184.0	5733	15.7	0.0	0.0	0.0	5791	15.1	108.2	92.1	57.4
5676	14.6	1.7	120.9	72.7	5734	15.1	0.0	0.0	0.0	5792	18.0	367.9	143.4	99.3
5677	14.5	5.1	210.0	127.0	5735	14.8	0.0	0.0	0.0	5793	19.9	347.4	205.4	140.9
5678	14.6	13.7	262.2	163.4	5736	14.5	0.0	0.0	0.0	5794	21.6	592.6	181.1	145.9
5679	15.1	50.9	280.7	202.2	5737	14.4	0.0	0.0	0.0	5795	23.3	503.0	236.8	178.0
5680	15.4	1.0	63.4	38.8	5738	14.2	0.0	0.0	0.0	5796	25.0	494.8	254.3	190.1
5681	15.0	2.5	74.0	46.8	5739	13.9	0.0	0.0	0.0	5797	26.6	446.1	271.8	254.5
5682	14.3	0.5	19.3	12.1	5740	13.4	0.0	0.0	0.0	5798	27.4	733.9	157.4	424.6
5683	13.7	2.5	11.0	9.0	5741	13.6	0.0	0.0	0.0	5799	28.0	506.6	207.7	461.4
5684	13.2	0.0	0.0	0.0	5742	14.2	387.7	18.0	12.2	5800	28.0	559.9	155.0	560.7
5685	12.6	0.0	0.0	0.0	5743	15.2	230.3	93.2	60.7	5801	27.1	76.6	163.7	170.9
5686	12.2	0.0	0.0	0.0	5744	16.8	472.7	128.8	94.8	5802	26.3	196.6	90.9	251.2
5687	12.0	0.0	0.0	0.0	5745	18.5	765.9	106.9	103.8	5803	25.3	52.3	17.4	61.9
5688	11.9	0.0	0.0	0.0	5746	20.3	546.1	197.7	153.4	5804	24.0	0.0	0.0	0.0
5689	11.7	0.0	0.0	0.0	5747	21.9	824.0	133.5	139.6	5805	22.7	0.0	0.0	0.0
5690	11.6	0.0	0.0	0.0	5748	23.5	452.0	272.1	197.9	5806	21.7	0.0	0.0	0.0
5691	11.5	0.0	0.0	0.0	5749	24.4	839.6	138.2	255.4	5807	21.1	0.0	0.0	0.0
5692	11.6	0.0	0.0	0.0	5750	24.7	782.6	144.0	438.5	5808	20.5	0.0	0.0	0.0
5693	12.3	0.0	0.0	0.0	5751	25.2	554.6	195.0	485.6	5809	20.0	0.0	0.0	0.0
5694	12.4	304.8	22.5	14.9	5752	25.1	617.3	142.6	600.8	5810	19.5	0.0	0.0	0.0
5695	13.0	137.1	100.5	63.2	5753	24.4	204.7	167.9	295.0	5811	19.0	0.0	0.0	0.0
5696	14.8	879.0	66.6	73.3	5754	23.7	331.4	85.8	382.6	5812	18.6	0.0	0.0	0.0
5697	16.3	44.0	224.0	136.7	5755	22.7	387.7	18.0	391.5	5813	17.5	0.0	0.0	0.0
5698	17.4	344.5	260.1	178.3	5756	21.4	0.0	0.0	0.0	5814	16.3	6.2	10.9	6.5
5699	17.6	803.0	139.7	142.5	5757	20.1	0.0	0.0	0.0	5815	16.8	321.4	81.2	54.9
5700	18.0	278.4	331.2	220.3	5758	19.2	0.0	0.0	0.0	5816	18.6	126.4	165.5	103.8
5701	18.1	112.5	354.4	235.8	5759	18.5	0.0	0.0	0.0	5817	20.3	214.7	227.1	147.1
5702	17.8	112.3	334.4	251.2	5760	17.9	0.0	0.0	0.0	5818	20.8	376.3	244.3	170.1
5703	18.4	337.2	262.1	381.1	5761	17.5	0.0	0.0	0.0	5819	21.4	242.7	313.2	205.1
5704	18.7	25.7	208.6	146.6	5762	17.3	0.0	0.0	0.0	5820	22.3	335.3	307.5	209.7
5705	18.0	49.7	164.3	145.7	5763	17.3	0.0	0.0	0.0	5821	23.2	588.9	218.4	251.5
5706	16.7	15.5	79.9	63.4	5764	17.9	0.0	0.0	0.0	5822	24.4	408.6	267.2	344.1
5707	15.3	70.9	24.0	84.0	5765	16.6	0.0	0.0	0.0	5823	24.8	138.6	288.0	265.0
5708	14.2	0.0	0.0	0.0	5766	14.6	503.5	14.3	10.2	5824	24.2	520.1	163.7	532.9
5709	13.0	0.0	0.0	0.0	5767	15.1	15.0	74.7	45.1	5825	23.3	31.6	146.9	118.2
5710	12.0	0.0	0.0	0.0	5768	16.5	67.6	163.9	100.8	5826	22.0	3.9	46.5	31.7
5711	11.4	0.0	0.0	0.0	5769	17.8	319.6	212.8	144.1	5827	20.8	14.6	13.4	22.4
5712	10.7	0.0	0.0	0.0	5770	19.5	455.0	224.5	163.5	5828	19.8	0.0	0.0	0.0
5713	10.2	0.0	0.0	0.0	5771	21.5	465.0	251.0	184.0	5829	18.6	0.0	0.0	0.0
5714	9.7	0.0	0.0	0.0	5772	23.3	821.2	141.6	147.6	5830	17.8	0.0	0.0	0.0
5715	9.2	0.0	0.0	0.0	5773	24.3	564.8	229.3	253.5	5831	17.3	0.0	0.0	0.0
5716	9.2	0.0	0.0	0.0	5774	24.8	436.0	260.8	352.6	5832	16.8	0.0	0.0	0.0
5717	8.9	0.0	0.0	0.0	5775	25.1	281.0	271.3	349.6	5833	16.3	0.0	0.0	0.0

5834	16.0	0.0	0.0	0.0	5892	20.6	579.4	218.9	174.3	5950	14.3	0.0	0.0	0.0
5835	15.7	0.0	0.0	0.0	5893	21.5	564.8	224.3	249.5	5951	13.7	0.0	0.0	0.0
5836	15.4	0.0	0.0	0.0	5894	21.7	389.6	269.0	336.5	5952	13.1	0.0	0.0	0.0
5837	15.4	0.0	0.0	0.0	5895	21.1	261.1	267.2	334.0	5953	12.6	0.0	0.0	0.0
5838	14.9	117.4	15.5	9.5	5896	20.4	109.3	226.5	227.3	5954	12.2	0.0	0.0	0.0
5839	15.1	7.2	59.7	36.0	5897	19.4	41.6	146.7	127.6	5955	11.8	0.0	0.0	0.0
5840	15.9	9.7	118.8	71.6	5898	18.1	7.3	57.0	41.5	5956	11.5	0.0	0.0	0.0
5841	15.6	4.7	131.0	78.8	5899	17.0	0.0	0.0	0.0	5957	11.4	0.0	0.0	0.0
5842	15.9	80.1	280.6	173.3	5900	15.9	0.0	0.0	0.0	5958	12.6	0.0	0.0	0.0
5843	16.9	25.2	279.4	169.4	5901	14.7	0.0	0.0	0.0	5959	13.8	33.4	69.4	42.2
5844	17.6	121.0	345.1	216.1	5902	13.9	0.0	0.0	0.0	5960	14.9	148.4	153.3	96.8
5845	18.1	11.6	260.7	158.8	5903	13.3	0.0	0.0	0.0	5961	16.0	72.1	215.3	132.6
5846	18.4	1.1	90.9	55.0	5904	12.8	0.0	0.0	0.0	5962	16.9	494.5	202.5	151.0
5847	18.8	27.7	249.4	168.1	5905	12.3	0.0	0.0	0.0	5963	18.7	214.3	308.3	199.6
5848	19.0	8.4	162.5	104.5	5906	11.9	0.0	0.0	0.0	5964	20.5	939.2	135.7	149.7
5849	18.8	30.8	144.6	116.0	5907	11.5	0.0	0.0	0.0	5965	21.3	288.3	311.5	245.3
5850	18.6	17.4	71.7	60.4	5908	11.3	0.0	0.0	0.0	5966	21.6	130.2	316.1	248.1
5851	18.2	8.2	10.8	14.6	5909	11.4	0.0	0.0	0.0	5967	22.2	297.5	254.3	350.5
5852	17.5	0.0	0.0	0.0	5910	11.8	0.0	0.0	0.0	5968	21.6	273.0	207.6	353.0
5853	16.7	0.0	0.0	0.0	5911	12.1	17.3	66.4	40.1	5969	20.3	75.6	149.8	161.9
5854	16.2	0.0	0.0	0.0	5912	12.5	48.3	147.3	90.0	5970	19.6	15.0	61.4	51.8
5855	16.0	0.0	0.0	0.0	5913	14.3	334.6	199.9	136.2	5971	18.6	0.0	0.0	0.0
5856	15.8	0.0	0.0	0.0	5914	16.2	165.7	279.4	177.7	5972	17.4	0.0	0.0	0.0
5857	15.6	0.0	0.0	0.0	5915	17.3	412.1	260.5	184.8	5973	16.3	0.0	0.0	0.0
5858	15.5	0.0	0.0	0.0	5916	19.2	217.0	331.2	214.7	5974	15.4	0.0	0.0	0.0
5859	15.3	0.0	0.0	0.0	5917	20.7	813.5	139.9	249.3	5975	14.9	0.0	0.0	0.0
5860	15.0	0.0	0.0	0.0	5918	20.9	658.2	178.2	402.7	5976	14.3	0.0	0.0	0.0
5861	15.0	0.0	0.0	0.0	5919	21.5	525.2	196.0	467.0	5977	13.8	0.0	0.0	0.0
5862	14.7	11.9	10.7	6.5	5920	21.1	654.4	126.5	623.3	5978	13.3	0.0	0.0	0.0
5863	14.1	5.3	51.8	31.2	5921	19.7	66.6	152.2	154.6	5979	12.8	0.0	0.0	0.0
5864	14.5	2.6	68.5	41.2	5922	18.6	59.3	78.3	106.4	5980	12.3	0.0	0.0	0.0
5865	16.7	440.7	180.1	129.8	5923	17.6	0.0	0.0	0.0	5981	11.5	0.0	0.0	0.0
5866	19.4	5.5	174.4	105.0	5924	16.6	0.0	0.0	0.0	5982	10.5	0.0	0.0	0.0
5867	21.4	374.8	275.0	191.2	5925	15.6	0.0	0.0	0.0	5983	11.5	26.1	65.2	39.5
5868	23.1	61.1	329.3	202.1	5926	14.9	0.0	0.0	0.0	5984	13.4	115.1	151.1	94.4
5869	24.2	448.4	267.3	251.8	5927	14.5	0.0	0.0	0.0	5985	14.8	231.7	211.8	138.0
5870	24.7	132.4	323.4	253.6	5928	14.1	0.0	0.0	0.0	5986	15.6	76.0	268.5	165.6
5871	25.5	331.8	252.9	372.4	5929	13.8	0.0	0.0	0.0	5987	16.2	883.3	119.4	131.5
5872	25.6	569.5	149.1	565.7	5930	13.6	0.0	0.0	0.0	5988	17.4	114.0	333.9	208.5
5873	24.8	110.5	161.1	201.8	5931	13.3	0.0	0.0	0.0	5989	18.0	42.4	308.1	193.4
5874	24.1	7.9	59.6	43.7	5932	13.0	0.0	0.0	0.0	5990	17.7	11.5	236.6	147.1
5875	23.4	11.9	10.7	18.1	5933	12.7	0.0	0.0	0.0	5991	17.6	34.1	246.3	170.5
5876	22.4	0.0	0.0	0.0	5934	12.5	0.0	0.0	0.0	5992	17.8	13.9	171.2	114.3
5877	21.3	0.0	0.0	0.0	5935	13.7	148.9	79.7	50.3	5993	17.3	187.2	149.6	267.9
5878	20.4	0.0	0.0	0.0	5936	15.7	176.2	154.3	98.4	5994	16.5	46.2	70.2	88.4
5879	19.8	0.0	0.0	0.0	5937	17.3	317.1	201.6	136.2	5995	15.7	0.0	0.0	0.0
5880	19.2	0.0	0.0	0.0	5938	17.8	304.1	254.6	171.0	5996	14.9	0.0	0.0	0.0
5881	18.7	0.0	0.0	0.0	5939	18.2	74.1	309.9	191.0	5997	14.0	0.0	0.0	0.0
5882	18.3	0.0	0.0	0.0	5940	19.4	349.8	295.6	202.9	5998	13.5	0.0	0.0	0.0
5883	17.6	0.0	0.0	0.0	5941	19.5	946.2	137.5	274.5	5999	13.2	0.0	0.0	0.0
5884	16.5	0.0	0.0	0.0	5942	19.4	803.7	133.3	440.9	6000	13.0	0.0	0.0	0.0
5885	15.3	0.0	0.0	0.0	5943	20.0	109.8	277.9	239.8	6001	12.9	0.0	0.0	0.0
5886	14.8	0.0	0.0	0.0	5944	20.0	123.7	223.3	237.4	6002	12.9	0.0	0.0	0.0
5887	14.9	70.2	81.6	50.2	5945	19.3	14.9	122.8	87.8	6003	12.9	0.0	0.0	0.0
5888	16.3	175.9	158.4	101.0	5946	18.4	2.9	35.6	24.3	6004	13.0	0.0	0.0	0.0
5889	18.1	422.2	182.8	130.4	5947	17.4	0.0	0.0	0.0	6005	13.2	0.0	0.0	0.0
5890	19.1	747.4	132.1	124.9	5948	16.3	0.0	0.0	0.0	6006	13.3	0.0	0.0	0.0
5891	19.8	124.1	321.5	201.5	5949	15.1	0.0	0.0	0.0	6007	13.8	63.5	70.5	43.2

```
6008 14.5 244.9 142.9  93.5      6066 16.0  60.8  65.9 100.5      6124 11.9   0.0   0.0   0.0
6009 15.4 480.2 162.3 119.8      6067 15.6   0.0   0.0   0.0      6125 11.8   0.0   0.0   0.0
6010 16.9 277.3 255.1 169.4      6068 15.1   0.0   0.0   0.0      6126 11.4   0.0   0.0   0.0
6011 19.0 550.5 210.1 163.1      6069 14.5   0.0   0.0   0.0      6127 12.5 117.3  62.0  38.7
6012 21.0 861.5 127.9 138.5      6070 14.2   0.0   0.0   0.0      6128 13.6  18.9 113.8  68.8
6013 22.8 814.0 137.2 246.5      6071 14.0   0.0   0.0   0.0      6129 14.4 739.9  99.0  92.1
6014 24.5 788.0 135.3 434.5      6072 13.9   0.0   0.0   0.0      6130 15.5 153.8 262.5 166.1
6015 25.1 420.2 220.5 411.7      6073 13.8   0.0   0.0   0.0      6131 16.0 359.0 262.2 180.6
6016 24.3 617.9 130.7 595.5      6074 13.7   0.0   0.0   0.0      6132 16.3 126.3 322.8 202.5
6017 22.5  92.9 147.7 177.1      6075 13.6   0.0   0.0   0.0      6133 16.4 250.8 308.0 234.9
6018 20.7   2.9  32.9  22.7      6076 13.4   0.0   0.0   0.0      6134 16.1  26.0 260.8 168.1
6019 19.2   0.0   0.0   0.0      6077 12.9   0.0   0.0   0.0      6135 15.8   1.0  68.9  42.0
6020 17.7   0.0   0.0   0.0      6078 12.4   0.0   0.0   0.0      6136 15.5   3.3  98.5  61.9
6021 16.3   0.0   0.0   0.0      6079 12.5   2.0  24.7  14.9      6137 15.1  11.9 104.8  74.1
6022 15.3   0.0   0.0   0.0      6080 13.3  78.0 139.7  86.2      6138 14.6   4.1  32.8  23.8
6023 14.8   0.0   0.0   0.0      6081 14.3  30.3 186.2 113.1      6139 14.1   0.0   0.0   0.0
6024 14.2   0.0   0.0   0.0      6082 15.1 244.5 255.7 167.4      6140 13.6   0.0   0.0   0.0
6025 13.7   0.0   0.0   0.0      6083 16.5  65.4 295.5 181.6      6141 13.1   0.0   0.0   0.0
6026 13.2   0.0   0.0   0.0      6084 17.9 329.0 291.9 198.3      6142 12.7   0.0   0.0   0.0
6027 12.6   0.0   0.0   0.0      6085 18.5  95.6 323.9 213.5      6143 12.6   0.0   0.0   0.0
6028 11.8   0.0   0.0   0.0      6086 18.5 550.9 206.3 370.4      6144 12.4   0.0   0.0   0.0
6029 11.0   0.0   0.0   0.0      6087 18.5  20.2 221.7 146.4      6145 12.3   0.0   0.0   0.0
6030  9.7   0.0   0.0   0.0      6088 18.2 252.3 201.2 331.8      6146 12.2   0.0   0.0   0.0
6031 10.1  62.1  68.2  41.8      6089 17.4  34.6 128.2 109.8      6147 12.1   0.0   0.0   0.0
6032 12.1 210.8 143.8  92.9      6090 16.5  84.8  65.5 124.3      6148 11.9   0.0   0.0   0.0
6033 13.1 724.8 105.8  96.9      6091 15.7   0.0   0.0   0.0      6149 11.0   0.0   0.0   0.0
6034 13.4 134.3 271.1 170.5      6092 14.9   0.0   0.0   0.0      6150 10.3   0.0   0.0   0.0
6035 14.4 382.0 262.2 182.8      6093 14.2   0.0   0.0   0.0      6151 10.9   7.4  40.7  24.5
6036 15.5 400.9 273.4 192.6      6094 13.7   0.0   0.0   0.0      6152 12.7   5.3  81.8  49.2
6037 15.9  52.7 312.2 197.9      6095 13.4   0.0   0.0   0.0      6153 13.9  59.7 195.8 120.1
6038 16.4 168.5 308.8 260.8      6096 13.2   0.0   0.0   0.0      6154 14.8 463.2 199.7 145.7
6039 17.0 457.6 208.7 429.5      6097 13.1   0.0   0.0   0.0      6155 15.8  25.5 258.4 156.7
6040 17.3   7.4 146.5  94.1      6098 13.1   0.0   0.0   0.0      6156 16.6  29.8 282.1 171.3
6041 17.1  26.9 127.5 102.1      6099 12.9   0.0   0.0   0.0      6157 17.5  27.1 278.4 172.4
6042 16.4   1.4  22.0  14.6      6100 12.8   0.0   0.0   0.0      6158 18.2 140.5 300.4 243.0
6043 15.6   0.0   0.0   0.0      6101 11.6   0.0   0.0   0.0      6159 19.0  19.0 214.3 141.2
6044 14.8   0.0   0.0   0.0      6102 11.4   0.0   0.0   0.0      6160 19.0 325.0 183.7 382.0
6045 14.0   0.0   0.0   0.0      6103 12.1   3.2  30.1  18.1      6161 18.2  90.0 134.6 166.3
6046 13.5   0.0   0.0   0.0      6104 12.1   2.0  52.2  31.4      6162 17.4   9.5  43.2  35.4
6047 13.3   0.0   0.0   0.0      6105 13.1  76.5 204.2 126.0      6163 16.5   0.0   0.0   0.0
6048 13.1   0.0   0.0   0.0      6106 14.6 296.3 243.8 163.1      6164 15.6   0.0   0.0   0.0
6049 13.0   0.0   0.0   0.0      6107 15.7  10.3 223.8 134.9      6165 14.6   0.0   0.0   0.0
6050 12.9   0.0   0.0   0.0      6108 15.9   1.1  90.9  54.6      6166 14.0   0.0   0.0   0.0
6051 12.7   0.0   0.0   0.0      6109 16.1 525.0 227.8 241.7      6167 13.6   0.0   0.0   0.0
6052 12.6   0.0   0.0   0.0      6110 16.6   4.5 169.2 103.6      6168 13.3   0.0   0.0   0.0
6053 12.4   0.0   0.0   0.0      6111 17.0 377.3 225.2 385.8      6169 13.0   0.0   0.0   0.0
6054 11.7   0.0   0.0   0.0      6112 16.7  53.9 197.8 163.8      6170 12.8   0.0   0.0   0.0
6055 11.8   0.4  11.1   6.6      6113 16.0   9.9 102.6  70.9      6171 12.5   0.0   0.0   0.0
6056 12.8  26.1 125.1  75.9      6114 15.4   1.7  22.0  14.9      6172 12.5   0.0   0.0   0.0
6057 13.3   2.6  90.5  54.4      6115 14.7   0.0   0.0   0.0      6173 12.3   0.0   0.0   0.0
6058 14.1   3.9 139.4  83.9      6116 13.9   0.0   0.0   0.0      6174 11.9   0.0   0.0   0.0
6059 14.7   3.9 158.5  95.4      6117 13.1   0.0   0.0   0.0      6175 12.3   6.8  38.1  22.9
6060 15.0   4.1 174.8 105.2      6118 12.6   0.0   0.0   0.0      6176 12.6   3.2  63.0  37.9
6061 15.4  60.9 314.9 201.2      6119 12.3   0.0   0.0   0.0      6177 13.1  17.6 164.5  99.5
6062 15.9  21.2 258.1 164.3      6120 12.1   0.0   0.0   0.0      6178 13.7   3.8 131.2  78.9
6063 16.3  15.3 213.3 138.1      6121 11.9   0.0   0.0   0.0      6179 14.1   4.6 166.5 100.2
6064 16.4  17.2 172.6 118.0      6122 11.8   0.0   0.0   0.0      6180 14.8   2.2 123.5  74.2
6065 16.2   0.6  30.4  18.8      6123 11.6   0.0   0.0   0.0      6181 15.0   1.2  90.9  54.7
```

58

6182	15.0	2.6	126.1	76.8	6240	10.9	0.0	0.0	0.0	6298	10.7	5.8	155.2	93.4
6183	15.3	9.4	186.4	118.1	6241	10.6	0.0	0.0	0.0	6299	11.4	4.6	161.0	96.9
6184	15.3	19.0	166.7	115.9	6242	10.3	0.0	0.0	0.0	6300	11.6	10.8	228.9	138.1
6185	15.0	19.8	110.9	85.4	6243	10.0	0.0	0.0	0.0	6301	11.4	6.5	201.2	122.0
6186	14.7	4.8	32.7	24.4	6244	9.7	0.0	0.0	0.0	6302	11.3	4.9	166.4	102.0
6187	14.2	0.0	0.0	0.0	6245	9.5	0.0	0.0	0.0	6303	11.4	7.8	170.8	107.7
6188	13.6	0.0	0.0	0.0	6246	9.3	0.0	0.0	0.0	6304	11.3	0.8	44.1	27.1
6189	13.0	0.0	0.0	0.0	6247	10.8	0.4	8.3	5.0	6305	11.0	5.3	73.6	49.2
6190	12.6	0.0	0.0	0.0	6248	13.5	228.4	123.3	80.1	6306	10.6	4.2	24.6	19.0
6191	12.4	0.0	0.0	0.0	6249	15.4	53.9	185.5	113.5	6307	10.1	0.0	0.0	0.0
6192	12.1	0.0	0.0	0.0	6250	16.4	420.6	204.2	145.1	6308	9.6	0.0	0.0	0.0
6193	11.9	0.0	0.0	0.0	6251	18.1	752.2	136.9	129.0	6309	9.0	0.0	0.0	0.0
6194	11.7	0.0	0.0	0.0	6252	19.9	672.4	171.2	147.6	6310	8.6	0.0	0.0	0.0
6195	11.5	0.0	0.0	0.0	6253	20.5	183.5	309.5	221.9	6311	8.4	0.0	0.0	0.0
6196	11.4	0.0	0.0	0.0	6254	20.2	236.7	281.3	274.1	6312	8.1	0.0	0.0	0.0
6197	11.0	0.0	0.0	0.0	6255	19.7	695.5	132.3	540.0	6313	7.9	0.0	0.0	0.0
6198	11.1	0.0	0.0	0.0	6256	18.9	47.2	182.8	149.1	6314	7.6	0.0	0.0	0.0
6199	12.2	81.2	54.2	33.4	6257	17.5	153.8	127.2	222.5	6315	7.4	0.0	0.0	0.0
6200	13.9	19.1	108.5	65.6	6258	16.1	5.2	30.0	23.2	6316	7.3	0.0	0.0	0.0
6201	15.2	4.4	109.2	65.7	6259	14.8	0.0	0.0	0.0	6317	8.7	0.0	0.0	0.0
6202	16.5	279.0	239.7	159.1	6260	13.7	0.0	0.0	0.0	6318	9.8	0.0	0.0	0.0
6203	18.1	46.6	275.7	168.4	6261	12.5	0.0	0.0	0.0	6319	9.8	7.6	29.8	18.0
6204	19.5	265.0	299.2	197.5	6262	11.5	0.0	0.0	0.0	6320	11.2	34.0	107.8	65.6
6205	20.3	84.5	311.6	203.7	6263	10.7	0.0	0.0	0.0	6321	13.2	134.6	189.5	119.1
6206	20.2	3.0	134.2	81.9	6264	9.9	0.0	0.0	0.0	6322	14.5	27.3	213.3	129.4
6207	19.9	31.3	227.1	157.0	6265	9.2	0.0	0.0	0.0	6323	15.6	441.8	225.4	162.0
6208	19.4	11.4	150.6	99.9	6266	8.4	0.0	0.0	0.0	6324	16.6	63.5	294.2	180.7
6209	18.5	27.2	114.5	94.6	6267	7.7	0.0	0.0	0.0	6325	17.0	539.2	210.9	232.1
6210	17.6	18.1	45.1	45.2	6268	7.3	0.0	0.0	0.0	6326	16.9	668.9	157.8	391.3
6211	16.6	0.0	0.0	0.0	6269	7.4	0.0	0.0	0.0	6327	16.8	4.2	131.1	81.4
6212	15.5	0.0	0.0	0.0	6270	8.0	0.0	0.0	0.0	6328	16.1	52.4	178.6	150.8
6213	14.4	0.0	0.0	0.0	6271	8.6	9.8	35.1	21.1	6329	14.8	10.5	88.9	63.3
6214	13.6	0.0	0.0	0.0	6272	9.4	22.0	105.2	63.7	6330	14.0	7.6	29.8	25.5
6215	13.2	0.0	0.0	0.0	6273	10.1	69.0	187.8	115.5	6331	13.2	0.0	0.0	0.0
6216	12.7	0.0	0.0	0.0	6274	10.3	1.1	68.9	41.4	6332	12.5	0.0	0.0	0.0
6217	12.3	0.0	0.0	0.0	6275	11.3	43.2	267.4	163.1	6333	11.8	0.0	0.0	0.0
6218	11.9	0.0	0.0	0.0	6276	13.0	64.2	298.7	183.5	6334	11.3	0.0	0.0	0.0
6219	11.5	0.0	0.0	0.0	6277	13.4	142.0	310.4	214.2	6335	11.1	0.0	0.0	0.0
6220	11.5	0.0	0.0	0.0	6278	13.8	1.6	96.2	58.4	6336	10.9	0.0	0.0	0.0
6221	11.5	0.0	0.0	0.0	6279	14.6	7.2	168.3	105.8	6337	10.8	0.0	0.0	0.0
6222	11.3	0.0	0.0	0.0	6280	14.5	121.1	193.8	217.3	6338	10.7	0.0	0.0	0.0
6223	11.9	0.6	11.0	6.6	6281	13.9	17.0	101.0	76.8	6339	10.6	0.0	0.0	0.0
6224	12.9	4.1	68.3	41.1	6282	13.3	5.7	30.0	23.7	6340	10.7	0.0	0.0	0.0
6225	13.3	4.7	111.9	67.3	6283	12.5	0.0	0.0	0.0	6341	11.0	0.0	0.0	0.0
6226	13.3	8.4	178.7	107.7	6284	11.7	0.0	0.0	0.0	6342	11.3	0.0	0.0	0.0
6227	13.6	55.1	278.9	170.8	6285	10.9	0.0	0.0	0.0	6343	12.1	1.6	13.8	8.3
6228	14.4	57.7	299.7	183.7	6286	10.3	0.0	0.0	0.0	6344	13.8	225.9	114.7	74.4
6229	14.8	7.8	216.9	131.7	6287	10.0	0.0	0.0	0.0	6345	15.0	206.1	183.6	118.3
6230	14.9	76.8	287.3	206.6	6288	9.7	0.0	0.0	0.0	6346	17.4	902.5	93.3	102.5
6231	15.0	1.3	77.1	47.1	6289	9.5	0.0	0.0	0.0	6347	20.0	648.0	162.8	136.7
6232	14.8	78.6	194.1	182.1	6290	9.4	0.0	0.0	0.0	6348	22.3	888.4	115.5	126.8
6233	14.4	6.5	84.3	56.7	6291	9.3	0.0	0.0	0.0	6349	24.0	618.1	184.2	231.1
6234	14.0	9.1	37.9	31.8	6292	9.4	0.0	0.0	0.0	6350	24.5	603.6	176.0	372.9
6235	13.5	0.0	0.0	0.0	6293	9.1	0.0	0.0	0.0	6351	25.2	557.4	163.2	466.0
6236	12.8	0.0	0.0	0.0	6294	8.4	0.0	0.0	0.0	6352	24.7	233.8	180.7	303.1
6237	12.1	0.0	0.0	0.0	6295	8.5	0.5	8.3	5.0	6353	23.0	197.3	116.4	257.0
6238	11.6	0.0	0.0	0.0	6296	9.1	6.9	81.5	49.1	6354	21.5	13.8	32.1	33.0
6239	11.3	0.0	0.0	0.0	6297	9.8	16.7	154.2	93.2	6355	20.3	0.0	0.0	0.0

```
6356 19.3    0.0    0.0    0.0      6414 12.3    0.0    0.0    0.0      6472 16.7    7.5 119.4   77.8
6357 18.3    0.0    0.0    0.0      6415 11.5    8.7   24.4   14.7      6473 16.1   38.2   96.8   94.2
6358 17.8    0.0    0.0    0.0      6416 12.5 650.6   63.8   53.2      6474 15.5   26.8   26.1   42.3
6359 17.6    0.0    0.0    0.0      6417 13.6 293.6 166.7 111.1        6475 14.9    0.0    0.0    0.0
6360 17.4    0.0    0.0    0.0      6418 14.6 448.6 185.5 133.7        6476 14.2    0.0    0.0    0.0
6361 17.3    0.0    0.0    0.0      6419 16.0   98.9 274.5 170.5       6477 13.5    0.0    0.0    0.0
6362 17.1    0.0    0.0    0.0      6420 17.0   92.1 293.9 182.1       6478 13.0    0.0    0.0    0.0
6363 16.5    0.0    0.0    0.0      6421 17.3 900.1 113.4 242.2        6479 12.6    0.0    0.0    0.0
6364 15.3    0.0    0.0    0.0      6422 17.1    3.0 126.0   76.9      6480 12.2    0.0    0.0    0.0
6365 14.2    0.0    0.0    0.0      6423 17.1 129.6 236.8 227.4        6481 11.9    0.0    0.0    0.0
6366 15.1    0.0    0.0    0.0      6424 16.8   71.4 175.1 164.3       6482 11.7    0.0    0.0    0.0
6367 17.5   12.1   29.5   17.8     6425 16.0 127.1 111.3 187.0        6483 11.6    0.0    0.0    0.0
6368 19.8 491.4   85.7   63.2      6426 15.0   13.8   26.8   29.8      6484 11.7    0.0    0.0    0.0
6369 19.9    6.8 122.3   73.6      6427 14.1    0.0    0.0    0.0      6485 11.3    0.0    0.0    0.0
6370 19.5 391.0 202.5 141.4        6428 13.3    0.0    0.0    0.0      6486 10.3    0.0    0.0    0.0
6371 20.1   14.0 219.3 132.4       6429 12.5    0.0    0.0    0.0      6487 10.5    5.0   16.4    9.8
6372 20.5 242.4 289.8 189.4        6430 11.8    0.0    0.0    0.0      6488 10.6    1.0   27.6   16.6
6373 20.8 125.7 301.7 205.5        6431 11.2    0.0    0.0    0.0      6489 10.6    2.9   76.7   46.1
6374 20.4   50.5 263.9 180.7       6432 10.6    0.0    0.0    0.0      6490 11.7    7.7 157.3   94.8
6375 20.9 309.3 219.9 336.0        6433 10.0    0.0    0.0    0.0      6491 12.8 111.1 269.0 167.7
6376 21.6   15.4 146.7 100.8       6434  9.4    0.0    0.0    0.0      6492 13.6   21.1 242.4 146.7
6377 21.2 244.8 111.1 298.7        6435  8.8    0.0    0.0    0.0      6493 14.1   21.1 242.4 149.5
6378 20.4    8.1   27.1   24.4     6436  8.2    0.0    0.0    0.0      6494 14.5    6.9 179.3 110.6
6379 19.5    0.0    0.0    0.0      6437  8.8    0.0    0.0    0.0      6495 14.9    4.0 120.2   74.8
6380 18.7    0.0    0.0    0.0      6438  8.8    0.0    0.0    0.0      6496 15.0    2.5   71.3   44.8
6381 17.7    0.0    0.0    0.0      6439  9.1    3.8   16.4    9.9      6497 14.8    2.6   43.9   28.8
6382 17.0    0.0    0.0    0.0      6440 10.9 106.3 108.4   67.4       6498 14.4    2.2   11.0    8.8
6383 16.5    0.0    0.0    0.0      6441 11.9   24.2 151.8   92.0      6499 14.1    0.0    0.0    0.0
6384 15.9    0.0    0.0    0.0      6442 12.9   11.9 177.3 107.0       6500 13.9    0.0    0.0    0.0
6385 15.4    0.0    0.0    0.0      6443 13.9   87.8 270.5 167.4       6501 13.7    0.0    0.0    0.0
6386 15.0    0.0    0.0    0.0      6444 14.6   20.5 245.3 148.5       6502 13.7    0.0    0.0    0.0
6387 14.4    0.0    0.0    0.0      6445 15.0 299.1 271.4 220.6        6503 13.8    0.0    0.0    0.0
6388 13.6    0.0    0.0    0.0      6446 14.7   10.5 202.2 125.9       6504 13.8    0.0    0.0    0.0
6389 13.5    0.0    0.0    0.0      6447 14.8   41.6 215.2 156.4       6505 13.9    0.0    0.0    0.0
6390 13.8    0.0    0.0    0.0      6448 15.3 129.9 178.1 214.7        6506 14.0    0.0    0.0    0.0
6391 15.0 382.7   31.0   21.2      6449 15.2 139.7 109.0 197.5        6507 14.0    0.0    0.0    0.0
6392 15.8    0.6   22.1   13.3      6450 15.1   18.9   26.5   34.8     6508 13.9    0.0    0.0    0.0
6393 15.9   51.0 171.6 104.9       6451 15.1    0.0    0.0    0.0      6509 13.1    0.0    0.0    0.0
6394 17.0   33.4 213.4 129.7       6452 15.2    0.0    0.0    0.0      6510 12.5    0.0    0.0    0.0
6395 18.0 114.8 278.3 173.8        6453 15.3    0.0    0.0    0.0      6511 13.3   17.7   21.2   12.8
6396 19.0 106.3 298.2 185.6        6454 15.5    0.0    0.0    0.0      6512 14.8    1.1   27.6   16.6
6397 20.0 302.0 274.8 223.5        6455 15.9    0.0    0.0    0.0      6513 16.1 124.4 171.0 107.0
6398 20.5 172.1 277.3 242.4        6456 16.3    0.0    0.0    0.0      6514 16.7    1.9   82.4   49.5
6399 20.4   11.7 180.1 115.8       6457 16.8    0.0    0.0    0.0      6515 17.8 384.7 226.4 157.5
6400 19.9   91.9 180.5 184.8       6458 17.2    0.0    0.0    0.0      6516 19.7    5.4 174.4 105.0
6401 19.1    2.8   49.3   32.2     6459 17.4    0.0    0.0    0.0      6517 20.3 471.9 219.3 221.8
6402 18.0   10.5   27.0   26.6     6460 16.7    0.0    0.0    0.0      6518 19.9    3.7 134.0   82.0
6403 17.0    0.0    0.0    0.0      6461 15.4    0.0    0.0    0.0      6519 19.5 136.9 227.6 226.3
6404 16.2    0.0    0.0    0.0      6462 14.6    0.0    0.0    0.0      6520 18.6   15.6 135.9   94.5
6405 15.6    0.0    0.0    0.0      6463 14.4    6.0   19.1   11.5      6521 17.6   17.3   82.3   65.7
6406 15.2    0.0    0.0    0.0      6464 14.9   11.9   80.6   48.6      6522 16.4    4.0   13.7   12.2
6407 14.6    0.0    0.0    0.0      6465 15.6   19.8 145.3   87.9      6523 15.8    0.0    0.0    0.0
6408 14.0    0.0    0.0    0.0      6466 16.0   75.2 226.4 139.5       6524 15.5    0.0    0.0    0.0
6409 13.4    0.0    0.0    0.0      6467 16.2    8.7 192.2 115.8       6525 15.0    0.0    0.0    0.0
6410 12.8    0.0    0.0    0.0      6468 16.7   14.5 229.8 138.8       6526 14.6    0.0    0.0    0.0
6411 12.1    0.0    0.0    0.0      6469 17.0   29.3 256.6 159.6       6527 14.3    0.0    0.0    0.0
6412 11.9    0.0    0.0    0.0      6470 16.8    4.7 152.8   93.8      6528 14.2    0.0    0.0    0.0
6413 12.6    0.0    0.0    0.0      6471 16.9    8.9 165.0 104.8       6529 14.3    0.0    0.0    0.0
```

6530	14.7	0.0	0.0	0.0	6588	10.3	343.6	248.6	169.5	6646	12.0	0.0	0.0	0.0
6531	15.3	0.0	0.0	0.0	6589	10.7	85.0	276.6	182.0	6647	11.9	0.0	0.0	0.0
6532	15.6	0.0	0.0	0.0	6590	10.4	216.3	254.3	246.9	6648	11.9	0.0	0.0	0.0
6533	14.6	0.0	0.0	0.0	6591	10.0	39.3	200.9	146.2	6649	11.9	0.0	0.0	0.0
6534	13.4	0.0	0.0	0.0	6592	9.4	5.9	103.5	67.0	6650	11.9	0.0	0.0	0.0
6535	13.4	0.8	5.5	3.3	6593	8.7	15.0	74.7	58.9	6651	11.8	0.0	0.0	0.0
6536	13.6	35.7	89.6	54.5	6594	8.0	6.7	13.6	14.8	6652	11.6	0.0	0.0	0.0
6537	13.8	22.2	142.0	86.0	6595	7.4	0.0	0.0	0.0	6653	11.1	0.0	0.0	0.0
6538	14.1	1.7	77.0	46.3	6596	6.9	0.0	0.0	0.0	6654	9.9	0.0	0.0	0.0
6539	14.3	3.6	131.3	79.0	6597	6.4	0.0	0.0	0.0	6655	9.6	7.7	10.9	6.5
6540	15.1	279.8	267.4	177.3	6598	6.0	0.0	0.0	0.0	6656	10.4	1.7	30.2	18.2
6541	15.8	2.1	107.1	64.6	6599	5.9	0.0	0.0	0.0	6657	10.8	3.5	76.6	46.1
6542	16.0	2.3	104.3	63.6	6600	5.7	0.0	0.0	0.0	6658	11.5	8.9	151.5	91.3
6543	16.3	91.4	222.5	193.3	6601	5.5	0.0	0.0	0.0	6659	12.3	28.2	220.8	134.0
6544	16.0	15.2	133.4	92.6	6602	5.4	0.0	0.0	0.0	6660	13.1	5.1	160.9	96.8
6545	15.4	1.4	30.3	19.4	6603	5.6	0.0	0.0	0.0	6661	13.6	63.0	263.1	169.7
6546	14.7	4.7	13.6	12.9	6604	6.0	0.0	0.0	0.0	6662	13.8	18.3	206.7	132.0
6547	14.0	0.0	0.0	0.0	6605	6.4	0.0	0.0	0.0	6663	14.1	33.3	190.3	135.9
6548	13.4	0.0	0.0	0.0	6606	7.3	0.0	0.0	0.0	6664	14.0	0.8	35.9	22.1
6549	12.9	0.0	0.0	0.0	6607	8.3	0.3	2.8	1.7	6665	13.7	2.4	35.7	23.7
6550	12.4	0.0	0.0	0.0	6608	9.2	77.2	90.3	55.6	6666	13.3	7.7	10.9	14.1
6551	12.0	0.0	0.0	0.0	6609	10.2	5.5	98.1	59.0	6667	12.9	0.0	0.0	0.0
6552	11.7	0.0	0.0	0.0	6610	10.8	0.9	55.1	33.1	6668	12.7	0.0	0.0	0.0
6553	11.4	0.0	0.0	0.0	6611	10.8	12.2	196.0	118.3	6669	12.4	0.0	0.0	0.0
6554	11.1	0.0	0.0	0.0	6612	11.0	52.8	262.9	160.9	6670	12.2	0.0	0.0	0.0
6555	11.0	0.0	0.0	0.0	6613	11.7	6.1	176.9	107.3	6671	12.2	0.0	0.0	0.0
6556	11.0	0.0	0.0	0.0	6614	12.1	16.7	207.4	131.7	6672	12.1	0.0	0.0	0.0
6557	10.9	0.0	0.0	0.0	6615	12.2	116.5	217.8	206.6	6673	12.1	0.0	0.0	0.0
6558	9.9	0.0	0.0	0.0	6616	12.3	46.9	150.4	128.9	6674	12.0	0.0	0.0	0.0
6559	9.2	0.9	5.5	3.3	6617	11.8	5.2	54.5	37.6	6675	12.0	0.0	0.0	0.0
6560	10.1	21.9	81.6	49.4	6618	11.2	20.8	15.8	30.0	6676	11.8	0.0	0.0	0.0
6561	10.8	69.8	161.2	99.1	6619	10.7	0.0	0.0	0.0	6677	11.1	0.0	0.0	0.0
6562	10.9	5.8	138.9	83.6	6620	10.2	0.0	0.0	0.0	6678	10.1	0.0	0.0	0.0
6563	11.7	4.8	150.1	90.3	6621	9.7	0.0	0.0	0.0	6679	9.4	0.5	2.8	1.7
6564	12.7	348.3	249.5	170.5	6622	9.3	0.0	0.0	0.0	6680	9.8	0.6	16.6	10.0
6565	13.2	515.9	203.1	219.9	6623	9.2	0.0	0.0	0.0	6681	10.9	7.7	105.8	63.7
6566	13.6	474.0	199.6	326.9	6624	9.1	0.0	0.0	0.0	6682	12.8	13.5	163.4	98.6
6567	13.9	502.2	162.9	426.1	6625	9.0	0.0	0.0	0.0	6683	15.0	2.2	96.1	57.8
6568	13.2	498.7	122.2	485.1	6626	9.0	0.0	0.0	0.0	6684	16.4	364.8	235.4	162.0
6569	11.9	2.6	41.1	27.1	6627	9.0	0.0	0.0	0.0	6685	16.9	700.7	143.0	216.7
6570	10.9	9.5	16.2	19.2	6628	9.5	0.0	0.0	0.0	6686	16.8	349.4	220.9	283.8
6571	10.1	0.0	0.0	0.0	6629	9.4	0.0	0.0	0.0	6687	17.2	182.6	209.3	244.1
6572	9.4	0.0	0.0	0.0	6630	8.2	0.0	0.0	0.0	6688	17.1	63.5	148.5	141.2
6573	8.7	0.0	0.0	0.0	6631	8.3	3.3	8.2	4.9	6689	16.4	141.3	85.4	183.4
6574	8.3	0.0	0.0	0.0	6632	9.1	37.7	81.6	49.7	6690	15.5	82.1	14.1	89.4
6575	8.1	0.0	0.0	0.0	6633	9.3	29.8	139.9	84.9	6691	14.6	0.0	0.0	0.0
6576	7.9	0.0	0.0	0.0	6634	10.7	7.0	144.0	86.7	6692	13.9	0.0	0.0	0.0
6577	7.8	0.0	0.0	0.0	6635	12.9	441.4	202.9	145.4	6693	13.3	0.0	0.0	0.0
6578	7.9	0.0	0.0	0.0	6636	14.5	30.2	243.3	147.7	6694	12.9	0.0	0.0	0.2
6579	8.0	0.0	0.0	0.0	6637	15.5	25.6	237.6	147.4	6695	12.5	0.0	0.0	0.0
6580	8.4	0.0	0.0	0.0	6638	15.8	386.1	216.4	297.7	6696	12.2	0.0	0.0	0.0
6581	9.2	0.0	0.0	0.0	6639	16.0	27.4	187.3	130.3	6697	11.9	0.0	0.0	0.0
6582	9.4	0.0	0.0	0.0	6640	15.8	255.5	151.8	301.3	6698	11.6	0.0	0.0	0.0
6583	8.7	29.5	18.1	11.0	6641	14.8	98.5	89.4	146.0	6699	11.1	0.0	0.0	0.0
6584	8.6	1.5	30.3	18.2	6642	13.8	32.2	15.5	41.1	6700	10.6	0.0	0.0	0.0
6585	8.6	30.8	144.7	87.9	6643	13.2	0.0	0.0	0.0	6701	10.2	0.0	0.0	0.0
6586	9.0	474.7	167.4	122.4	6644	12.7	0.0	0.0	0.0	6702	9.7	0.0	0.0	0.0
6587	9.5	7.4	176.4	106.3	6645	12.2	0.0	0.0	0.0	6703	9.2	0.0	0.0	0.0

6704	10.0	48.6	77.5	47.3	6762	15.7	0.0	0.0	0.0	6820	8.5	0.0	0.0	0.0
6705	11.0	4.0	79.3	47.7	6763	14.9	0.0	0.0	0.0	6821	8.2	0.0	0.0	0.0
6706	12.1	51.8	196.4	120.1	6764	14.5	0.0	0.0	0.0	6822	8.0	0.0	0.0	0.0
6707	13.7	133.1	248.8	156.2	6765	14.1	0.0	0.0	0.0	6823	7.8	0.0	0.0	0.0
6708	15.1	360.1	234.5	161.0	6766	13.8	0.0	0.0	0.0	6824	7.5	4.9	40.9	24.6
6709	15.0	32.7	239.5	149.8	6767	13.5	0.0	0.0	0.0	6825	7.9	1.8	49.5	29.7
6710	14.1	4.1	131.1	80.5	6768	13.3	0.0	0.0	0.0	6826	9.1	127.1	196.8	123.2
6711	14.0	48.6	195.0	148.5	6769	13.0	0.0	0.0	0.0	6827	10.2	432.7	190.2	135.4
6712	13.0	196.3	150.1	251.0	6770	12.6	0.0	0.0	0.0	6828	11.5	659.3	146.9	123.5
6713	11.6	9.3	59.5	44.4	6771	11.9	0.0	0.0	0.0	6829	12.9	619.8	157.4	207.7
6714	10.6	0.0	0.0	0.0	6772	11.0	0.0	0.0	0.0	6830	13.7	569.9	157.1	338.1
6715	9.8	0.0	0.0	0.0	6773	9.3	0.0	0.0	0.0	6831	14.1	543.8	136.0	431.2
6716	9.0	0.0	0.0	0.0	6774	8.5	0.0	0.0	0.0	6832	13.8	447.7	110.7	430.6
6717	8.2	0.0	0.0	0.0	6775	8.7	0.0	0.0	0.0	6833	13.0	102.0	70.7	137.0
6718	7.7	0.0	0.0	0.0	6776	9.1	25.9	65.3	39.5	6834	12.4	0.0	0.0	0.0
6719	7.4	0.0	0.0	0.0	6777	9.6	6.7	95.2	57.3	6835	12.0	0.0	0.0	0.0
6720	7.1	0.0	0.0	0.0	6778	10.0	654.7	115.9	96.9	6836	11.9	0.0	0.0	0.0
6721	6.8	0.0	0.0	0.0	6779	10.5	328.5	217.0	146.7	6837	11.8	0.0	0.0	0.0
6722	6.7	0.0	0.0	0.0	6780	10.7	337.5	233.5	158.6	6838	11.9	0.0	0.0	0.0
6723	6.8	0.0	0.0	0.0	6781	10.7	85.3	257.9	170.4	6839	12.2	0.0	0.0	0.0
6724	7.2	0.0	0.0	0.0	6782	10.5	402.9	200.9	293.6	6840	12.4	0.0	0.0	0.0
6725	7.4	0.0	0.0	0.0	6783	10.3	1.5	63.3	38.9	6841	12.6	0.0	0.0	0.0
6726	7.2	0.0	0.0	0.0	6784	10.1	151.0	145.0	210.2	6842	12.7	0.0	0.0	0.0
6727	7.3	0.0	0.0	0.0	6785	9.4	25.9	65.3	63.3	6843	12.4	0.0	0.0	0.0
6728	7.8	3.8	41.0	24.7	6786	8.5	0.0	0.0	0.0	6844	11.8	0.0	0.0	0.0
6729	9.0	0.6	30.4	18.2	6787	7.8	0.0	0.0	0.0	6845	9.9	0.0	0.0	0.0
6730	11.2	261.7	195.8	128.7	6788	7.2	0.0	0.0	0.0	6846	8.4	0.0	0.0	0.0
6731	13.0	233.9	238.1	154.9	6789	6.6	0.0	0.0	0.0	6847	8.6	0.0	0.0	0.0
6732	14.4	516.6	191.7	143.9	6790	6.2	0.0	0.0	0.0	6848	10.0	4.0	35.5	21.4
6733	15.3	96.4	264.5	176.6	6791	5.8	0.0	0.0	0.0	6849	11.4	7.2	92.3	55.6
6734	15.2	63.0	236.4	169.0	6792	5.5	0.0	0.0	0.0	6850	11.8	13.4	150.0	90.6
6735	15.1	13.9	160.5	105.3	6793	5.1	0.0	0.0	0.0	6851	12.4	0.9	57.9	34.8
6736	15.0	92.8	148.1	164.8	6794	4.7	0.0	0.0	0.0	6852	13.4	5.4	152.6	91.9
6737	14.3	0.8	19.3	12.4	6795	4.4	0.0	0.0	0.0	6853	14.2	8.0	176.2	107.2
6738	13.4	0.0	0.0	0.0	6796	4.1	0.0	0.0	0.0	6854	14.6	18.3	190.9	122.3
6739	12.8	0.0	0.0	0.0	6797	3.3	0.0	0.0	0.0	6855	15.0	308.6	177.8	304.8
6740	12.3	0.0	0.0	0.0	6798	1.6	0.0	0.0	0.0	6856	15.0	19.6	113.7	84.1
6741	11.9	0.0	0.0	0.0	6799	2.3	0.0	0.0	0.0	6857	14.7	14.0	53.5	45.0
6742	11.7	0.0	0.0	0.0	6800	4.6	12.9	56.3	34.0	6858	14.3	0.0	0.0	0.0
6743	11.6	0.0	0.0	0.0	6801	5.8	4.0	73.8	44.4	6859	14.1	0.0	0.0	0.0
6744	11.4	0.0	0.0	0.0	6802	6.7	5.7	122.6	73.8	6860	14.0	0.0	0.0	0.0
6745	11.3	0.0	0.0	0.0	6803	7.9	509.8	173.5	129.5	6861	14.0	0.0	0.0	0.0
6746	11.2	0.0	0.0	0.0	6804	9.5	5.9	163.4	98.4	6862	14.1	0.0	0.0	0.0
6747	10.9	0.0	0.0	0.0	6805	10.6	11.2	193.8	118.3	6863	14.2	0.0	0.0	0.0
6748	10.5	0.0	0.0	0.0	6806	10.8	4.7	133.7	82.2	6864	14.4	0.0	0.0	0.0
6749	9.9	0.0	0.0	0.0	6807	10.8	242.3	191.6	271.0	6865	14.5	0.0	0.0	0.0
6750	10.2	0.0	0.0	0.0	6808	10.4	20.8	118.7	88.1	6866	14.6	0.0	0.0	0.0
6751	11.2	0.0	0.0	0.0	6809	9.8	63.7	70.6	101.5	6867	14.6	0.0	0.0	0.0
6752	12.3	12.0	59.1	35.7	6810	9.3	0.0	0.0	0.0	6868	14.5	0.0	0.0	0.0
6753	14.0	261.5	140.0	91.9	6811	8.9	0.0	0.0	0.0	6869	12.8	0.0	0.0	0.0
6754	15.7	401.1	169.9	118.9	6812	8.6	0.0	0.0	0.0	6870	11.1	0.0	0.0	0.0
6755	16.9	388.8	206.0	143.4	6813	8.4	0.0	0.0	0.0	6871	11.5	0.0	0.0	0.0
6756	17.5	146.4	264.6	166.8	6814	8.4	0.0	0.0	0.0	6872	12.0	2.5	27.4	16.5
6757	17.7	286.9	246.4	200.8	6815	8.5	0.0	0.0	0.0	6873	12.0	1.8	46.7	28.1
6758	18.0	25.3	209.1	136.3	6816	8.6	0.0	0.0	0.0	6874	11.8	40.2	175.3	106.7
6759	18.4	61.8	195.3	157.1	6817	8.7	0.0	0.0	0.0	6875	11.8	1.3	68.8	41.3
6760	18.0	12.7	112.7	78.0	6818	8.7	0.0	0.0	0.0	6876	12.0	18.7	206.6	124.9
6761	16.9	64.9	75.3	105.7	6819	8.6	0.0	0.0	0.0	6877	12.2	2.5	104.2	63.0

6878	12.3	1.2	66.1	40.2	6936	12.3	0.0	0.0	0.0	6994	6.2	0.6	35.9	21.6
6879	12.4	15.4	152.0	101.1	6937	12.2	0.0	0.0	0.0	6995	7.4	0.8	49.7	29.8
6880	12.2	19.0	111.2	82.1	6938	12.0	0.0	0.0	0.0	6996	7.8	13.2	185.0	111.6
6881	11.8	3.6	32.8	23.1	6939	11.8	0.0	0.0	0.0	6997	8.0	2.0	87.9	53.1
6882	11.3	0.0	0.0	0.0	6940	11.4	0.0	0.0	0.0	6998	8.0	1.7	74.2	45.2
6883	10.9	0.0	0.0	0.0	6941	10.6	0.0	0.0	0.0	6999	8.0	0.6	35.9	21.9
6884	10.7	0.0	0.0	0.0	6942	10.0	0.0	0.0	0.0	7000	7.8	0.5	22.1	13.6
6885	10.4	0.0	0.0	0.0	6943	9.9	0.0	0.0	0.0	7001	7.4	1.8	19.2	13.2
6886	10.2	0.0	0.0	0.0	6944	10.1	58.1	56.6	34.6	7002	7.0	0.0	0.0	0.0
6887	10.1	0.0	0.0	0.0	6945	10.8	17.2	103.6	62.6	7003	6.6	0.0	0.0	0.0
6888	10.0	0.0	0.0	0.0	6946	11.8	2.7	79.5	47.8	7004	6.3	0.0	0.0	0.0
6889	9.8	0.0	0.0	0.0	6947	12.4	1.0	57.9	34.8	7005	6.0	0.0	0.0	0.0
6890	9.6	0.0	0.0	0.0	6948	12.4	94.1	242.7	150.4	7006	5.7	0.0	0.0	0.0
6891	9.5	0.0	0.0	0.0	6949	12.4	42.2	225.2	142.7	7007	5.5	0.0	0.0	0.0
6892	9.2	0.0	0.0	0.0	6950	12.3	72.4	218.2	161.6	7008	5.4	0.0	0.0	0.0
6893	9.3	0.0	0.0	0.0	6951	12.2	0.8	44.1	27.0	7009	5.2	0.0	0.0	0.0
6894	9.3	0.0	0.0	0.0	6952	11.9	2.0	46.7	29.6	7010	4.9	0.0	0.0	0.0
6895	9.3	0.0	0.0	0.0	6953	11.3	4.5	32.8	23.8	7011	4.8	0.0	0.0	0.0
6896	10.7	7.5	43.4	26.2	6954	10.7	0.0	0.0	0.0	7012	4.6	0.0	0.0	0.0
6897	12.2	23.4	112.8	68.3	6955	10.1	0.0	0.0	0.0	7013	5.3	0.0	0.0	0.0
6898	12.4	2.8	82.2	49.4	6956	9.7	0.0	0.0	0.0	7014	5.8	0.0	0.0	0.0
6899	12.5	8.3	159.9	96.3	6957	9.2	0.0	0.0	0.0	7015	5.6	0.0	0.0	0.0
6900	13.3	7.3	168.3	101.4	6958	8.9	0.0	0.0	0.0	7016	5.6	9.5	37.8	22.8
6901	13.8	50.2	234.4	149.7	6959	8.6	0.0	0.0	0.0	7017	6.1	0.5	22.1	13.3
6902	14.0	5.5	139.0	85.7	6960	8.3	0.0	0.0	0.0	7018	7.1	0.7	38.6	23.2
6903	14.3	25.0	162.2	113.3	6961	8.0	0.0	0.0	0.0	7019	8.5	2.9	95.9	57.7
6904	14.4	16.3	106.5	77.1	6962	7.7	0.0	0.0	0.0	7020	9.7	2.7	101.4	61.0
6905	14.0	3.9	32.8	23.3	6963	7.4	0.0	0.0	0.0	7021	10.1	25.3	203.9	126.8
6906	13.6	0.0	0.0	0.0	6964	6.9	0.0	0.0	0.0	7022	10.5	61.1	208.0	150.4
6907	13.4	0.0	0.0	0.0	6965	6.0	0.0	0.0	0.0	7023	10.8	0.8	41.4	25.3
6908	13.3	0.0	0.0	0.0	6966	5.3	0.0	0.0	0.0	7024	10.8	0.8	27.6	17.2
6909	13.3	0.0	0.0	0.0	6967	6.5	0.0	0.0	0.0	7025	10.6	2.0	19.2	13.3
6910	13.3	0.0	0.0	0.0	6968	8.0	35.3	51.3	31.1	7026	10.4	0.0	0.0	0.0
6911	13.4	0.0	0.0	0.0	6969	7.6	2.5	52.1	31.3	7027	10.2	0.0	0.0	0.0
6912	13.5	0.0	0.0	0.0	6970	6.9	138.4	182.5	114.7	7028	10.3	0.0	0.0	0.0
6913	13.6	0.0	0.0	0.0	6971	7.1	9.4	159.5	96.1	7029	10.3	0.0	0.0	0.0
6914	13.6	0.0	0.0	0.0	6972	7.7	548.7	167.1	127.9	7030	10.4	0.0	0.0	0.0
6915	13.6	0.0	0.0	0.0	6973	8.4	49.5	227.2	145.2	7031	10.5	0.0	0.0	0.0
6916	13.5	0.0	0.0	0.0	6974	8.6	209.1	218.0	219.1	7032	10.7	0.0	0.0	0.0
6917	12.3	0.0	0.0	0.0	6975	8.8	124.4	182.4	188.5	7033	10.8	0.0	0.0	0.0
6918	11.2	0.0	0.0	0.0	6976	8.9	2.8	54.8	35.1	7034	10.9	0.0	0.0	0.0
6919	11.1	0.0	0.0	0.0	6977	8.3	4.9	32.7	24.2	7035	11.0	0.0	0.0	0.0
6920	11.7	6.9	40.8	24.5	6978	7.9	0.0	0.0	0.0	7036	10.9	0.0	0.0	0.0
6921	11.8	3.4	62.9	37.9	6979	7.6	0.0	0.0	0.0	7037	10.4	0.0	0.0	0.0
6922	11.7	0.8	44.1	26.5	6980	7.5	0.0	0.0	0.0	7038	9.9	0.0	0.0	0.0
6923	12.5	49.3	212.3	129.7	6981	7.5	0.0	0.0	0.0	7039	9.9	0.0	0.0	0.0
6924	13.4	505.0	181.4	134.8	6982	7.6	0.0	0.0	0.0	7040	9.9	11.5	37.7	22.7
6925	14.3	26.6	213.8	133.1	6983	7.9	0.0	0.0	0.0	7041	10.1	395.6	100.2	69.6
6926	14.8	133.7	227.2	193.0	6984	8.2	0.0	0.0	0.0	7042	11.7	156.7	175.1	110.7
6927	14.9	17.5	151.4	102.0	6985	8.4	0.0	0.0	0.0	7043	13.9	163.1	214.6	136.0
6928	14.7	17.9	106.2	78.1	6986	8.6	0.0	0.0	0.0	7044	15.7	9.7	170.2	102.6
6929	14.1	4.2	32.8	23.6	6987	8.5	0.0	0.0	0.0	7045	16.3	113.4	235.0	161.0
6930	13.6	0.0	0.0	0.0	6988	8.4	0.0	0.0	0.0	7046	16.3	579.9	141.2	327.8
6931	13.2	0.0	0.0	0.0	6989	7.1	0.0	0.0	0.0	7047	16.2	31.5	155.0	112.9
6932	12.9	0.0	0.0	0.0	6990	5.6	0.0	0.0	0.0	7048	15.2	0.5	22.1	13.7
6933	12.6	0.0	0.0	0.0	6991	5.2	0.0	0.0	0.0	7049	14.3	8.5	35.2	28.9
6934	12.5	0.0	0.0	0.0	6992	5.6	3.7	27.4	16.4	7050	13.6	0.0	0.0	0.0
6935	12.4	0.0	0.0	0.0	6993	5.7	1.2	35.8	21.5	7051	13.0	0.0	0.0	0.0

7052	12.7	0.0	0.0	0.0	7110	2.1	0.0	0.0	0.0	7168	11.2	0.6	22.1	13.7
7053	12.4	0.0	0.0	0.0	7111	1.5	0.0	0.0	0.0	7169	10.8	3.6	19.2	14.8
7054	12.2	0.0	0.0	0.0	7112	3.2	1.5	13.8	8.3	7170	10.3	0.0	0.0	0.0
7055	12.0	0.0	0.0	0.0	7113	4.7	43.9	103.5	63.1	7171	9.9	0.0	0.0	0.0
7056	11.8	0.0	0.0	0.0	7114	5.6	27.4	145.8	88.4	7172	9.7	0.0	0.0	0.0
7057	11.5	0.0	0.0	0.0	7115	7.1	8.6	146.2	88.1	7173	9.4	0.0	0.0	0.0
7058	11.2	0.0	0.0	0.0	7116	9.1	0.9	55.1	33.1	7174	9.3	0.0	0.0	0.0
7059	10.6	0.0	0.0	0.0	7117	9.7	3.3	106.8	64.6	7175	9.2	0.0	0.0	0.0
7060	9.8	0.0	0.0	0.0	7118	10.0	5.0	120.0	74.1	7176	9.0	0.0	0.0	0.0
7061	9.0	0.0	0.0	0.0	7119	10.5	3.8	84.8	53.2	7177	8.8	0.0	0.0	0.0
7062	9.9	0.0	0.0	0.0	7120	9.9	69.4	108.5	120.4	7178	8.6	0.0	0.0	0.0
7063	10.5	0.0	0.0	0.0	7121	8.6	16.1	34.6	35.4	7179	8.4	0.0	0.0	0.0
7064	10.2	20.0	39.6	24.0	7122	7.7	0.0	0.0	0.0	7180	8.1	0.0	0.0	0.0
7065	10.8	465.8	90.3	65.2	7123	7.0	0.0	0.0	0.0	7181	8.1	0.0	0.0	0.0
7066	12.3	222.3	168.6	109.0	7124	6.4	0.0	0.0	0.0	7182	8.2	0.0	0.0	0.0
7067	14.1	200.9	209.5	134.5	7125	5.8	0.0	0.0	0.0	7183	7.5	0.0	0.0	0.0
7068	14.9	457.2	182.4	131.5	7126	5.4	0.0	0.0	0.0	7184	7.0	3.0	16.4	9.9
7069	14.8	478.4	177.5	190.6	7127	5.1	0.0	0.0	0.0	7185	7.0	0.7	22.1	13.3
7070	14.2	707.1	111.9	362.8	7128	4.8	0.0	0.0	0.0	7186	7.4	0.7	35.9	21.5
7071	13.7	149.7	172.9	198.2	7129	4.6	0.0	0.0	0.0	7187	8.4	14.7	157.6	95.2
7072	12.7	1.2	33.0	20.8	7130	4.5	0.0	0.0	0.0	7188	8.9	34.3	197.9	120.3
7073	11.7	10.2	35.1	30.4	7131	4.6	0.0	0.0	0.0	7189	8.7	105.2	220.2	150.3
7074	10.7	0.0	0.0	0.0	7132	4.9	0.0	0.0	0.0	7190	8.6	0.8	46.9	28.5
7075	9.8	0.0	0.0	0.0	7133	5.1	0.0	0.0	0.0	7191	9.0	0.7	35.9	22.0
7076	9.2	0.0	0.0	0.0	7134	5.6	0.0	0.0	0.0	7192	8.8	1.5	33.0	21.0
7077	8.4	0.0	0.0	0.0	7135	7.3	0.0	0.0	0.0	7193	7.8	36.9	33.2	53.3
7078	7.8	0.0	0.0	0.0	7136	9.5	20.9	34.3	20.7	7194	6.7	0.0	0.0	0.0
7079	7.3	0.0	0.0	0.0	7137	10.4	683.5	60.6	51.4	7195	6.1	0.0	0.0	0.0
7080	6.7	0.0	0.0	0.0	7138	10.1	539.9	116.0	88.0	7196	5.5	0.0	0.0	0.0
7081	6.2	0.0	0.0	0.0	7139	11.4	487.2	154.8	113.5	7197	5.0	0.0	0.0	0.0
7082	5.7	0.0	0.0	0.0	7140	13.3	2.8	98.6	59.3	7198	4.6	0.0	0.0	0.0
7083	5.2	0.0	0.0	0.0	7141	13.6	104.8	224.9	153.1	7199	4.5	0.0	0.0	0.0
7084	4.9	0.0	0.0	0.0	7142	13.6	197.9	202.8	203.9	7200	4.4	0.0	0.0	0.0
7085	5.5	0.0	0.0	0.0	7143	13.9	57.3	157.7	130.5	7201	4.4	0.0	0.0	0.0
7086	6.4	0.0	0.0	0.0	7144	14.0	29.1	96.0	80.7	7202	4.5	0.0	0.0	0.0
7087	7.4	0.0	0.0	0.0	7145	13.2	20.9	34.3	39.5	7203	4.7	0.0	0.0	0.0
7088	8.6	230.8	44.3	28.6	7146	12.2	0.0	0.0	0.0	7204	5.3	0.0	0.0	0.0
7089	10.3	85.6	112.6	69.5	7147	11.6	0.0	0.0	0.0	7205	4.3	0.0	0.0	0.0
7090	12.7	159.0	170.4	107.8	7148	11.3	0.0	0.0	0.0	7206	3.6	0.0	0.0	0.0
7091	15.0	383.2	179.4	124.2	7149	11.1	0.0	0.0	0.0	7207	4.0	0.0	0.0	0.0
7092	17.2	506.1	169.3	125.7	7150	10.9	0.0	0.0	0.0	7208	3.8	0.4	5.5	3.3
7093	18.1	410.4	191.0	186.5	7151	10.8	0.0	0.0	0.0	7209	3.7	114.2	102.9	64.1
7094	17.5	644.3	124.2	343.3	7152	10.7	0.0	0.0	0.0	7210	4.5	1.0	41.3	24.8
7095	17.5	214.4	167.0	235.2	7153	10.6	0.0	0.0	0.0	7211	5.4	6.8	130.5	78.6
7096	16.9	113.4	114.2	159.0	7154	10.4	0.0	0.0	0.0	7212	5.7	86.4	215.6	133.2
7097	14.7	63.4	43.9	84.1	7155	10.1	0.0	0.0	0.0	7213	5.7	43.8	202.0	128.7
7098	12.6	0.0	0.0	0.0	7156	9.5	0.0	0.0	0.0	7214	5.0	7.2	133.1	82.8
7099	11.1	0.0	0.0	0.0	7157	8.4	0.0	0.0	0.0	7215	4.3	11.2	118.5	78.0
7100	9.9	0.0	0.0	0.0	7158	8.1	0.0	0.0	0.0	7216	4.0	19.3	84.7	66.1
7101	8.6	0.0	0.0	0.0	7159	10.1	0.0	0.0	0.0	7217	3.8	4.6	19.1	15.6
7102	7.6	0.0	0.0	0.0	7160	11.6	6.0	24.5	14.7	7218	3.5	0.0	0.0	0.0
7103	6.7	0.0	0.0	0.0	7161	11.5	42.1	98.8	60.2	7219	3.3	0.0	0.0	0.0
7104	5.8	0.0	0.0	0.0	7162	11.6	9.0	116.3	70.1	7220	3.2	0.0	0.0	0.0
7105	4.9	0.0	0.0	0.0	7163	11.8	4.6	111.9	67.3	7221	3.1	0.0	0.0	0.0
7106	4.0	0.0	0.0	0.0	7164	11.9	5.8	138.9	83.6	7222	3.1	0.0	0.0	0.0
7107	3.2	0.0	0.0	0.0	7165	11.7	4.9	128.2	77.8	7223	3.3	0.0	0.0	0.0
7108	2.8	0.0	0.0	0.0	7166	11.5	16.4	162.4	104.2	7224	3.5	0.0	0.0	0.0
7109	3.1	0.0	0.0	0.0	7167	11.5	0.7	35.9	22.0	7225	3.8	0.0	0.0	0.0

7226	4.1	0.0	0.0	0.0	7284	12.5	2.0	76.9	46.2	7342	9.9	0.0	0.0	0.0
7227	4.3	0.0	0.0	0.0	7285	14.0	594.4	136.8	183.0	7343	10.0	0.0	0.0	0.0
7228	4.5	0.0	0.0	0.0	7286	14.4	40.7	175.2	121.8	7344	10.1	0.0	0.0	0.0
7229	3.8	0.0	0.0	0.0	7287	14.5	443.0	121.6	347.2	7345	10.5	0.0	0.0	0.0
7230	3.8	0.0	0.0	0.0	7288	14.6	81.1	94.6	120.5	7346	11.2	0.0	0.0	0.0
7231	4.9	0.0	0.0	0.0	7289	13.8	7.0	19.0	17.7	7347	12.3	0.0	0.0	0.0
7232	6.3	0.4	5.5	3.3	7290	13.0	0.0	0.0	0.0	7348	13.4	0.0	0.0	0.0
7233	8.1	1.9	35.7	21.5	7291	12.4	0.0	0.0	0.0	7349	12.2	0.0	0.0	0.0
7234	9.7	1.2	44.1	26.5	7292	11.9	0.0	0.0	0.0	7350	10.3	0.0	0.0	0.0
7235	11.0	111.0	195.7	121.9	7293	11.4	0.0	0.0	0.0	7351	9.6	0.0	0.0	0.0
7236	11.6	5.5	130.8	78.7	7294	11.1	0.0	0.0	0.0	7352	8.2	0.8	5.5	3.3
7237	11.7	532.9	153.4	183.2	7295	10.9	0.0	0.0	0.0	7353	7.0	7.0	59.8	36.0
7238	11.0	84.3	192.8	150.4	7296	10.7	0.0	0.0	0.0	7354	6.4	3.3	68.4	41.2
7239	11.3	640.5	93.5	454.4	7297	10.6	0.0	0.0	0.0	7355	6.4	1.9	65.9	39.6
7240	11.4	73.8	98.2	117.1	7298	10.6	0.0	0.0	0.0	7356	6.8	0.8	46.9	28.2
7241	10.7	7.1	21.7	19.4	7299	10.7	0.0	0.0	0.0	7357	7.2	76.4	200.3	133.0
7242	9.9	0.0	0.0	0.0	7300	10.8	0.0	0.0	0.0	7358	7.5	9.3	132.5	83.3
7243	9.0	0.0	0.0	0.0	7301	10.6	0.0	0.0	0.0	7359	7.7	1.4	44.0	27.2
7244	8.4	0.0	0.0	0.0	7302	11.6	0.0	0.0	0.0	7360	7.6	1.4	27.5	17.6
7245	7.8	0.0	0.0	0.0	7303	13.5	0.0	0.0	0.0	7361	7.4	1.8	8.2	6.6
7246	7.3	0.0	0.0	0.0	7304	14.2	8.7	19.0	11.4	7362	7.2	0.0	0.0	0.0
7247	6.7	0.0	0.0	0.0	7305	13.7	13.1	72.4	43.7	7363	7.0	0.0	0.0	0.0
7248	6.1	0.0	0.0	0.0	7306	13.3	80.0	146.9	90.6	7364	7.0	0.0	0.0	0.0
7249	5.6	0.0	0.0	0.0	7307	14.2	208.6	186.1	119.8	7365	6.9	0.0	0.0	0.0
7250	5.0	0.0	0.0	0.0	7308	15.0	160.4	209.6	132.7	7366	6.9	0.0	0.0	0.0
7251	4.4	0.0	0.0	0.0	7309	15.3	265.3	199.3	164.4	7367	7.0	0.0	0.0	0.0
7252	4.0	0.0	0.0	0.0	7310	15.2	182.8	188.1	187.4	7368	7.0	0.0	0.0	0.0
7253	3.9	0.0	0.0	0.0	7311	14.9	284.7	140.5	260.2	7369	7.0	0.0	0.0	0.0
7254	3.8	0.0	0.0	0.0	7312	14.5	62.2	90.4	103.0	7370	7.0	0.0	0.0	0.0
7255	4.1	0.0	0.0	0.0	7313	13.6	8.7	19.0	19.1	7371	7.0	0.0	0.0	0.0
7256	4.6	90.3	30.3	18.6	7314	12.5	0.0	0.0	0.0	7372	6.9	0.0	0.0	0.0
7257	5.3	17.4	79.7	48.2	7315	11.5	0.0	0.0	0.0	7373	6.7	0.0	0.0	0.0
7258	7.0	15.7	122.7	74.1	7316	11.1	0.0	0.0	0.0	7374	6.1	0.0	0.0	0.0
7259	7.9	20.6	161.0	97.4	7317	10.6	0.0	0.0	0.0	7375	5.6	0.0	0.0	0.0
7260	8.9	358.1	188.0	128.6	7318	10.2	0.0	0.0	0.0	7376	5.6	0.9	5.5	3.3
7261	10.1	551.3	147.8	182.6	7319	9.8	0.0	0.0	0.0	7377	6.0	3.7	43.8	26.3
7262	10.6	157.6	193.8	180.9	7320	9.4	0.0	0.0	0.0	7378	6.7	4.9	81.9	49.3
7263	10.7	452.5	121.9	353.9	7321	9.0	0.0	0.0	0.0	7379	7.9	0.8	41.4	24.9
7264	10.0	28.1	85.8	73.6	7322	8.4	0.0	0.0	0.0	7380	9.0	4.1	106.6	64.1
7265	9.3	8.8	21.7	20.9	7323	7.9	0.0	0.0	0.0	7381	9.4	4.4	109.3	66.3
7266	8.8	0.0	0.0	0.0	7324	7.9	0.0	0.0	0.0	7382	9.4	2.8	79.5	48.8
7267	8.7	0.0	0.0	0.0	7325	8.6	0.0	0.0	0.0	7383	9.5	7.6	97.7	63.3
7268	8.8	0.0	0.0	0.0	7326	8.7	0.0	0.0	0.0	7384	9.4	0.5	16.6	10.3
7269	9.0	0.0	0.0	0.0	7327	8.0	0.0	0.0	0.0	7385	9.2	2.1	8.2	6.8
7270	9.4	0.0	0.0	0.0	7328	8.4	0.7	5.5	3.3	7386	9.0	0.0	0.0	0.0
7271	9.9	0.0	0.0	0.0	7329	10.0	263.2	87.7	57.5	7387	8.8	0.0	0.0	0.0
7272	10.4	0.0	0.0	0.0	7330	10.8	0.6	30.4	18.2	7388	8.8	0.0	0.0	0.0
7273	10.9	0.0	0.0	0.0	7331	12.0	838.9	77.3	78.6	7389	8.8	0.0	0.0	0.0
7274	11.4	0.0	0.0	0.0	7332	14.3	0.8	46.9	28.2	7390	8.9	0.0	0.0	0.0
7275	11.7	0.0	0.0	0.0	7333	14.9	414.3	171.5	172.7	7391	9.0	0.0	0.0	0.0
7276	11.6	0.0	0.0	0.0	7334	14.1	78.3	183.0	141.7	7392	9.1	0.0	0.0	0.0
7277	11.0	0.0	0.0	0.0	7335	12.8	0.6	30.4	18.6	7393	9.1	0.0	0.0	0.0
7278	10.9	0.0	0.0	0.0	7336	12.3	621.6	57.0	520.6	7394	9.1	0.0	0.0	0.0
7279	11.3	0.0	0.0	0.0	7337	12.1	11.4	18.8	21.5	7395	9.1	0.0	0.0	0.0
7280	11.3	1.2	8.3	5.0	7338	11.1	0.0	0.0	0.0	7396	8.9	0.0	0.0	0.0
7281	11.5	81.1	94.6	58.3	7339	10.4	0.0	0.0	0.0	7397	8.4	0.0	0.0	0.0
7282	11.2	0.6	30.4	18.2	7340	10.1	0.0	0.0	0.0	7398	7.5	0.0	0.0	0.0
7283	11.3	713.4	100.4	88.3	7341	10.0	0.0	0.0	0.0	7399	6.2	0.0	0.0	0.0

7400	5.6	1.1	5.5	3.3	7458	4.5	0.0	0.0	0.0	7516	2.3	0.0	0.0	0.0
7401	6.3	2.6	35.7	21.4	7459	4.1	0.0	0.0	0.0	7517	3.1	0.0	0.0	0.0
7402	6.6	0.7	30.4	18.2	7460	3.9	0.0	0.0	0.0	7518	3.9	0.0	0.0	0.0
7403	6.8	0.8	41.4	24.9	7461	3.7	0.0	0.0	0.0	7519	3.6	0.0	0.0	0.0
7404	7.2	12.6	153.0	92.3	7462	3.6	0.0	0.0	0.0	7520	3.5	0.0	0.0	0.0
7405	7.7	4.2	106.5	64.6	7463	3.5	0.0	0.0	0.0	7521	3.7	13.8	58.9	35.6
7406	8.1	0.7	38.6	23.5	7464	3.5	0.0	0.0	0.0	7522	4.1	1.1	35.8	21.5
7407	8.2	0.7	30.4	18.6	7465	3.4	0.0	0.0	0.0	7523	4.8	3.7	84.8	51.0
7408	8.1	0.6	16.6	10.4	7466	3.2	0.0	0.0	0.0	7524	5.6	3.0	84.9	51.1
7409	7.8	2.4	8.2	7.1	7467	2.9	0.0	0.0	0.0	7525	6.2	55.9	180.4	117.4
7410	7.5	0.0	0.0	0.0	7468	2.6	0.0	0.0	0.0	7526	6.3	0.6	33.1	20.1
7411	7.3	0.0	0.0	0.0	7469	2.4	0.0	0.0	0.0	7527	6.2	0.5	24.9	15.2
7412	7.2	0.0	0.0	0.0	7470	1.1	0.0	0.0	0.0	7528	6.1	0.3	11.1	6.9
7413	7.1	0.0	0.0	0.0	7471	-0.1	0.0	0.0	0.0	7529	5.7	0.0	0.0	0.0
7414	7.0	0.0	0.0	0.0	7472	0.4	98.1	16.1	9.8	7530	5.4	0.0	0.0	0.0
7415	7.0	0.0	0.0	0.0	7473	0.6	0.3	11.1	6.6	7531	5.2	0.0	0.0	0.0
7416	7.0	0.0	0.0	0.0	7474	1.0	5.5	81.8	49.2	7532	5.0	0.0	0.0	0.0
7417	7.0	0.0	0.0	0.0	7475	1.9	1.6	57.7	34.7	7533	4.8	0.0	0.0	0.0
7418	6.9	0.0	0.0	0.0	7476	2.8	9.0	138.0	83.2	7534	4.7	0.0	0.0	0.0
7419	6.8	0.0	0.0	0.0	7477	2.6	1.2	55.1	33.2	7535	4.6	0.0	0.0	0.0
7420	6.6	0.0	0.0	0.0	7478	1.6	97.1	172.8	142.6	7536	4.5	0.0	0.0	0.0
7421	6.3	0.0	0.0	0.0	7479	1.6	0.5	24.9	15.2	7537	4.3	0.0	0.0	0.0
7422	5.4	0.0	0.0	0.0	7480	1.5	0.3	11.1	6.9	7538	4.1	0.0	0.0	0.0
7423	4.0	0.0	0.0	0.0	7481	1.2	7.2	10.9	12.9	7539	3.9	0.0	0.0	0.0
7424	2.5	1.3	5.5	3.3	7482	0.8	0.0	0.0	0.0	7540	3.6	0.0	0.0	0.0
7425	2.1	4.6	46.4	27.9	7483	0.5	0.0	0.0	0.0	7541	4.4	0.0	0.0	0.0
7426	3.5	1.1	38.6	23.2	7484	0.2	0.0	0.0	0.0	7542	7.2	0.0	0.0	0.0
7427	4.3	3.6	87.5	52.7	7485	0.1	0.0	0.0	0.0	7543	8.0	0.0	0.0	0.0
7428	4.3	5.0	114.6	68.9	7486	-0.1	0.0	0.0	0.0	7544	6.7	0.0	0.0	0.0
7429	4.5	7.7	135.7	82.7	7487	-0.1	0.0	0.0	0.0	7545	5.8	130.2	74.2	46.4
7430	4.6	0.7	38.6	23.5	7488	-0.1	0.0	0.0	0.0	7546	5.6	248.4	124.3	81.1
7431	4.7	0.7	30.4	18.6	7489	-0.1	0.0	0.0	0.0	7547	6.7	107.7	167.5	104.2
7432	4.6	0.6	16.6	10.4	7490	0.1	0.0	0.0	0.0	7548	7.6	477.4	144.5	105.2
7433	4.4	2.8	8.2	7.4	7491	0.2	0.0	0.0	0.0	7549	7.3	853.5	76.4	184.7
7434	4.2	0.0	0.0	0.0	7492	0.6	0.0	0.0	0.0	7550	7.5	335.2	151.1	224.1
7435	3.9	0.0	0.0	0.0	7493	0.6	0.0	0.0	0.0	7551	8.0	194.3	127.9	194.2
7436	3.7	0.0	0.0	0.0	7494	0.4	0.0	0.0	0.0	7552	7.5	8.3	51.5	37.3
7437	3.5	0.0	0.0	0.0	7495	0.4	0.0	0.0	0.0	7553	6.8	0.0	0.0	0.0
7438	3.3	0.0	0.0	0.0	7496	0.0	0.5	2.8	1.7	7554	6.2	0.0	0.0	0.0
7439	3.3	0.0	0.0	0.0	7497	0.0	0.3	11.1	6.6	7555	5.6	0.0	0.0	0.0
7440	3.2	0.0	0.0	0.0	7498	0.3	0.5	24.9	14.9	7556	5.2	0.0	0.0	0.0
7441	3.1	0.0	0.0	0.0	7499	0.8	1.4	52.3	31.4	7557	4.9	0.0	0.0	0.0
7442	3.0	0.0	0.0	0.0	7500	1.7	2.7	82.2	49.4	7558	4.6	0.0	0.0	0.0
7443	2.9	0.0	0.0	0.0	7501	2.1	4.9	109.1	66.3	7559	4.5	0.0	0.0	0.0
7444	2.9	0.0	0.0	0.0	7502	2.3	0.6	33.1	20.1	7560	4.4	0.0	0.0	0.0
7445	1.9	0.0	0.0	0.0	7503	2.5	4.6	73.7	47.0	7561	4.3	0.0	0.0	0.0
7446	1.2	0.0	0.0	0.0	7504	2.6	0.3	11.1	6.9	7562	4.2	0.0	0.0	0.0
7447	1.7	0.0	0.0	0.0	7505	2.5	0.5	2.8	2.1	7563	4.2	0.0	0.0	0.0
7448	2.2	31.8	15.5	9.4	7506	2.3	0.0	0.0	0.0	7564	4.3	0.0	0.0	0.0
7449	2.7	5.4	49.1	29.5	7507	2.2	0.0	0.0	0.0	7565	4.8	0.0	0.0	0.0
7450	3.6	2.4	54.9	33.0	7508	2.1	0.0	0.0	0.0	7566	4.9	0.0	0.0	0.0
7451	5.0	39.3	160.4	97.7	7509	2.1	0.0	0.0	0.0	7567	5.4	0.0	0.0	0.0
7452	5.9	257.7	187.9	123.1	7510	2.0	0.0	0.0	0.0	7568	5.1	0.0	0.0	0.0
7453	5.9	54.4	185.8	120.5	7511	2.0	0.0	0.0	0.0	7569	3.5	3.7	35.6	21.4
7454	5.7	138.0	176.6	161.4	7512	2.1	0.0	0.0	0.0	7570	3.6	4.7	71.0	42.7
7455	5.7	2.4	54.9	34.4	7513	2.1	0.0	0.0	0.0	7571	4.2	0.8	38.6	23.2
7456	5.6	31.5	72.4	67.8	7514	2.1	0.0	0.0	0.0	7572	4.7	0.6	38.6	23.2
7457	5.1	5.9	10.9	11.7	7515	2.2	0.0	0.0	0.0	7573	4.9	0.6	38.6	23.3

7574	4.8	1.2	46.8	28.6	7632	8.3	0.0	0.0	0.0	7690	5.4	2.1	43.9	26.4
7575	4.7	2.8	54.8	34.6	7633	8.5	0.0	0.0	0.0	7691	5.9	3.9	79.3	47.7
7576	4.6	14.1	56.2	44.5	7634	8.6	0.0	0.0	0.0	7692	6.4	7.0	116.9	70.4
7577	4.2	0.0	0.0	0.0	7635	8.7	0.0	0.0	0.0	7693	6.8	4.2	92.9	56.4
7578	3.9	0.0	0.0	0.0	7636	8.6	0.0	0.0	0.0	7694	6.9	2.2	60.4	37.1
7579	3.6	0.0	0.0	0.0	7637	7.7	0.0	0.0	0.0	7695	6.9	0.7	24.8	15.3
7580	3.4	0.0	0.0	0.0	7638	7.3	0.0	0.0	0.0	7696	6.9	1.0	16.5	10.7
7581	3.2	0.0	0.0	0.0	7639	7.5	0.0	0.0	0.0	7697	6.8	0.0	0.0	0.0
7582	3.0	0.0	0.0	0.0	7640	7.7	0.0	0.0	0.0	7698	6.6	0.0	0.0	0.0
7583	2.8	0.0	0.0	0.0	7641	8.2	5.7	40.9	24.6	7699	6.6	0.0	0.0	0.0
7584	2.7	0.0	0.0	0.0	7642	8.4	0.6	24.8	14.9	7700	6.7	0.0	0.0	0.0
7585	2.5	0.0	0.0	0.0	7643	8.6	10.8	118.6	71.5	7701	6.8	0.0	0.0	0.0
7586	2.2	0.0	0.0	0.0	7644	9.0	1.3	52.3	31.4	7702	6.9	0.0	0.0	0.0
7587	2.1	0.0	0.0	0.0	7645	8.6	2.7	76.8	46.5	7703	7.0	0.0	0.0	0.0
7588	1.8	0.0	0.0	0.0	7646	8.0	207.6	157.9	176.7	7704	7.0	0.0	0.0	0.0
7589	2.8	0.0	0.0	0.0	7647	8.0	0.6	24.8	15.3	7705	7.0	0.0	0.0	0.0
7590	3.0	0.0	0.0	0.0	7648	7.8	0.4	11.1	6.9	7706	6.9	0.0	0.0	0.0
7591	2.5	0.0	0.0	0.0	7649	7.4	0.0	0.0	0.0	7707	6.8	0.0	0.0	0.0
7592	3.0	0.0	0.0	0.0	7650	7.0	0.0	0.0	0.0	7708	6.5	0.0	0.0	0.0
7593	3.2	31.1	62.1	37.7	7651	6.7	0.0	0.0	0.0	7709	6.1	0.0	0.0	0.0
7594	3.3	2.1	46.7	28.1	7652	6.5	0.0	0.0	0.0	7710	5.6	0.0	0.0	0.0
7595	2.7	0.6	33.1	19.9	7653	6.2	0.0	0.0	0.0	7711	5.1	0.0	0.0	0.0
7596	1.9	4.3	98.3	59.2	7654	6.0	0.0	0.0	0.0	7712	4.8	0.0	0.0	0.0
7597	1.7	3.4	87.6	53.1	7655	5.7	0.0	0.0	0.0	7713	4.8	3.6	30.1	18.1
7598	1.5	0.6	33.1	20.1	7656	5.4	0.0	0.0	0.0	7714	6.2	0.4	19.3	11.6
7599	1.3	2.1	46.7	29.3	7657	5.2	0.0	0.0	0.0	7715	7.6	129.2	155.3	97.3
7600	1.0	0.4	11.1	6.9	7658	5.1	0.0	0.0	0.0	7716	7.3	2.3	68.6	41.2
7601	0.6	0.0	0.0	0.0	7659	5.0	0.0	0.0	0.0	7717	7.4	5.0	100.9	61.4
7602	0.2	0.0	0.0	0.0	7660	5.4	0.0	0.0	0.0	7718	7.7	9.3	110.9	70.2
7603	-0.3	0.0	0.0	0.0	7661	6.1	0.0	0.0	0.0	7719	7.1	3.3	54.7	34.8
7604	-0.8	0.0	0.0	0.0	7662	5.7	0.0	0.0	0.0	7720	6.3	11.0	45.8	35.9
7605	-1.3	0.0	0.0	0.0	7663	4.9	0.0	0.0	0.0	7721	5.6	0.0	0.0	0.0
7606	-1.7	0.0	0.0	0.0	7664	4.5	0.0	0.0	0.0	7722	5.1	0.0	0.0	0.0
7607	-2.0	0.0	0.0	0.0	7665	5.0	0.4	11.1	6.6	7723	4.6	0.0	0.0	0.0
7608	-2.4	0.0	0.0	0.0	7666	6.4	6.9	78.8	47.5	7724	4.2	0.0	0.0	0.0
7609	-2.8	0.0	0.0	0.0	7667	7.4	83.0	155.7	96.1	7725	3.8	0.0	0.0	0.0
7610	-3.2	0.0	0.0	0.0	7668	8.0	4.8	101.0	60.8	7726	3.5	0.0	0.0	0.0
7611	-3.4	0.0	0.0	0.0	7669	8.1	39.9	162.9	104.1	7727	3.3	0.0	0.0	0.0
7612	-3.5	0.0	0.0	0.0	7670	8.2	1.2	44.1	26.9	7728	3.0	0.0	0.0	0.0
7613	-0.6	0.0	0.0	0.0	7671	8.3	6.9	78.8	51.4	7729	2.8	0.0	0.0	0.0
7614	3.7	0.0	0.0	0.0	7672	8.2	2.2	24.7	16.5	7730	2.6	0.0	0.0	0.0
7615	4.9	0.0	0.0	0.0	7673	8.1	0.0	0.0	0.0	7731	2.4	0.0	0.0	0.0
7616	5.3	0.0	0.0	0.0	7674	7.9	0.0	0.0	0.0	7732	2.9	0.0	0.0	0.0
7617	6.1	3.5	32.8	19.8	7675	7.9	0.0	0.0	0.0	7733	3.0	0.0	0.0	0.0
7618	6.1	8.6	86.7	52.2	7676	8.0	0.0	0.0	0.0	7734	3.3	0.0	0.0	0.0
7619	6.3	3.9	82.0	49.3	7677	8.1	0.0	0.0	0.0	7735	4.0	0.0	0.0	0.0
7620	6.9	6.0	114.4	68.9	7678	8.2	0.0	0.0	0.0	7736	4.4	0.0	0.0	0.0
7621	7.1	0.7	38.6	23.3	7679	8.4	0.0	0.0	0.0	7737	5.2	55.5	56.9	34.8
7622	7.2	0.6	33.1	20.1	7680	8.5	0.0	0.0	0.0	7738	6.1	295.8	106.7	71.0
7623	7.4	1.5	38.5	24.0	7681	8.5	0.0	0.0	0.0	7739	6.7	6.8	100.6	60.6
7624	7.5	0.4	11.1	6.9	7682	8.5	0.0	0.0	0.0	7740	7.4	8.0	119.3	71.9
7625	7.4	0.0	0.0	0.0	7683	8.5	0.0	0.0	0.0	7741	8.2	67.2	167.3	111.0
7626	7.4	0.0	0.0	0.0	7684	8.2	0.0	0.0	0.0	7742	8.8	90.7	151.4	126.3
7627	7.4	0.0	0.0	0.0	7685	6.7	0.0	0.0	0.0	7743	8.7	0.4	19.3	11.9
7628	7.5	0.0	0.0	0.0	7686	5.9	0.0	0.0	0.0	7744	8.5	5.3	35.5	25.3
7629	7.7	0.0	0.0	0.0	7687	6.1	0.0	0.0	0.0	7745	8.8	0.0	0.0	0.0
7630	7.9	0.0	0.0	0.0	7688	5.6	0.0	0.0	0.0	7746	9.1	0.0	0.0	0.0
7631	8.1	0.0	0.0	0.0	7689	5.2	0.3	8.3	5.0	7747	9.5	0.0	0.0	0.0

7748	10.2	0.0	0.0	0.0	7806	2.0	0.0	0.0	0.0	7864	3.0	9.6	37.8	29.9
7749	10.9	0.0	0.0	0.0	7807	1.7	0.0	0.0	0.0	7865	2.7	0.0	0.0	0.0
7750	11.6	0.0	0.0	0.0	7808	3.4	0.0	0.0	0.0	7866	2.2	0.0	0.0	0.0
7751	12.2	0.0	0.0	0.0	7809	5.7	13.6	42.9	25.9	7867	1.9	0.0	0.0	0.0
7752	12.8	0.0	0.0	0.0	7810	7.6	308.9	101.2	67.7	7868	1.7	0.0	0.0	0.0
7753	13.2	0.0	0.0	0.0	7811	10.3	608.0	94.6	75.3	7869	1.5	0.0	0.0	0.0
7754	13.5	0.0	0.0	0.0	7812	12.2	566.3	114.5	88.4	7870	1.4	0.0	0.0	0.0
7755	13.3	0.0	0.0	0.0	7813	12.3	416.7	139.4	149.0	7871	1.3	0.0	0.0	0.0
7756	11.9	0.0	0.0	0.0	7814	11.8	677.8	84.1	314.0	7872	1.3	0.0	0.0	0.0
7757	9.1	0.0	0.0	0.0	7815	11.7	328.3	99.5	254.2	7873	1.3	0.0	0.0	0.0
7758	9.9	0.0	0.0	0.0	7816	11.1	143.5	55.6	141.5	7874	1.2	0.0	0.0	0.0
7759	11.8	0.0	0.0	0.0	7817	10.2	0.0	0.0	0.0	7875	1.0	0.0	0.0	0.0
7760	10.5	0.0	0.0	0.0	7818	9.3	0.0	0.0	0.0	7876	0.9	0.0	0.0	0.0
7761	9.7	14.1	45.5	27.5	7819	8.5	0.0	0.0	0.0	7877	0.7	0.0	0.0	0.0
7762	9.9	682.8	63.4	53.8	7820	7.9	0.0	0.0	0.0	7878	-0.8	0.0	0.0	0.0
7763	9.5	301.2	140.5	93.7	7821	7.4	0.0	0.0	0.0	7879	-2.0	0.0	0.0	0.0
7764	8.9	1.4	52.3	31.4	7822	7.0	0.0	0.0	0.0	7880	-2.1	0.0	0.0	0.0
7765	8.5	22.8	144.6	90.4	7823	6.9	0.0	0.0	0.0	7881	-1.9	3.5	24.6	14.8
7766	7.5	82.5	148.8	121.5	7824	6.7	0.0	0.0	0.0	7882	-0.8	138.0	105.7	66.4
7767	6.5	0.4	19.3	11.9	7825	6.5	0.0	0.0	0.0	7883	0.8	0.7	30.4	18.2
7768	5.4	4.8	32.8	23.2	7826	6.3	0.0	0.0	0.0	7884	2.1	0.7	35.9	21.5
7769	4.3	0.0	0.0	0.0	7827	6.0	0.0	0.0	0.0	7885	3.2	0.7	35.9	21.6
7770	3.6	0.0	0.0	0.0	7828	5.3	0.0	0.0	0.0	7886	3.2	130.5	144.1	136.9
7771	2.9	0.0	0.0	0.0	7829	4.6	0.0	0.0	0.0	7887	2.8	3.7	52.0	33.3
7772	2.4	0.0	0.0	0.0	7830	3.4	0.0	0.0	0.0	7888	2.7	5.2	30.0	21.9
7773	1.8	0.0	0.0	0.0	7831	3.5	0.0	0.0	0.0	7889	2.5	0.0	0.0	0.0
7774	1.3	0.0	0.0	0.0	7832	3.9	0.0	0.0	0.0	7890	2.3	0.0	0.0	0.0
7775	0.9	0.0	0.0	0.0	7833	3.6	6.8	35.4	21.3	7891	2.3	0.0	0.0	0.0
7776	0.4	0.0	0.0	0.0	7834	3.9	2.5	43.9	26.4	7892	2.5	0.0	0.0	0.0
7777	-0.1	0.0	0.0	0.0	7835	3.9	49.9	137.5	84.0	7893	2.8	0.0	0.0	0.0
7778	-0.4	0.0	0.0	0.0	7836	3.7	70.4	161.6	99.4	7894	3.1	0.0	0.0	0.0
7779	-0.7	0.0	0.0	0.0	7837	3.5	1.8	57.7	34.9	7895	3.4	0.0	0.0	0.0
7780	0.0	0.0	0.0	0.0	7838	3.0	6.6	95.2	59.7	7896	3.8	0.0	0.0	0.0
7781	1.8	0.0	0.0	0.0	7839	2.3	4.7	60.1	38.8	7897	4.2	0.0	0.0	0.0
7782	2.5	0.0	0.0	0.0	7840	2.0	20.8	44.9	42.6	7898	4.5	0.0	0.0	0.0
7783	2.7	0.0	0.0	0.0	7841	1.2	0.0	0.0	0.0	7899	5.0	0.0	0.0	0.0
7784	4.6	0.0	0.0	0.0	7842	0.3	0.0	0.0	0.0	7900	5.0	0.0	0.0	0.0
7785	7.1	46.1	52.8	32.2	7843	-0.7	0.0	0.0	0.0	7901	4.3	0.0	0.0	0.0
7786	9.5	117.8	111.4	69.5	7844	-1.5	0.0	0.0	0.0	7902	3.9	0.0	0.0	0.0
7787	10.7	373.0	130.2	89.6	7845	-2.4	0.0	0.0	0.0	7903	3.4	0.0	0.0	0.0
7788	11.5	262.9	162.1	106.5	7846	-3.2	0.0	0.0	0.0	7904	2.9	0.0	0.0	0.0
7789	11.3	474.5	131.3	153.4	7847	-3.8	0.0	0.0	0.0	7905	2.8	16.6	39.9	24.1
7790	9.8	149.7	150.2	148.5	7848	-4.2	0.0	0.0	0.0	7906	3.3	18.5	84.9	51.3
7791	9.2	753.5	54.8	480.0	7849	-4.6	0.0	0.0	0.0	7907	4.3	0.7	30.4	18.2
7792	8.8	127.4	57.0	130.4	7850	-4.7	0.0	0.0	0.0	7908	5.0	6.3	103.4	62.3
7793	8.1	0.0	0.0	0.0	7851	-4.4	0.0	0.0	0.0	7909	5.6	2.1	60.4	36.6
7794	6.8	0.0	0.0	0.0	7852	-3.4	0.0	0.0	0.0	7910	5.6	32.6	126.4	88.4
7795	5.5	0.0	0.0	0.0	7853	-1.7	0.0	0.0	0.0	7911	5.6	0.5	19.3	11.9
7796	4.5	0.0	0.0	0.0	7854	0.3	0.0	0.0	0.0	7912	5.7	6.8	32.6	24.6
7797	3.4	0.0	0.0	0.0	7855	1.2	0.0	0.0	0.0	7913	5.7	0.0	0.0	0.0
7798	2.4	0.0	0.0	0.0	7856	0.7	0.0	0.0	0.0	7914	5.4	0.0	0.0	0.0
7799	1.6	0.0	0.0	0.0	7857	-0.7	1.5	16.5	9.9	7915	5.3	0.0	0.0	0.0
7800	0.8	0.0	0.0	0.0	7858	-0.1	596.5	69.5	54.8	7916	5.2	0.0	0.0	0.0
7801	0.1	0.0	0.0	0.0	7859	1.9	385.6	124.5	86.3	7917	5.1	0.0	0.0	0.0
7802	-0.6	0.0	0.0	0.0	7860	2.5	27.6	143.3	86.9	7918	5.1	0.0	0.0	0.0
7803	-1.1	0.0	0.0	0.0	7861	2.7	36.1	148.7	94.8	7919	5.3	0.0	0.0	0.0
7804	-1.2	0.0	0.0	0.0	7862	2.7	7.4	97.8	61.5	7920	5.4	0.0	0.0	0.0
7805	0.5	0.0	0.0	0.0	7863	2.9	107.5	106.5	127.4	7921	5.6	0.0	0.0	0.0

```
7922  5.8    0.0    0.0    0.0     7980 12.9   72.7 153.8   94.6     8038  5.8    0.0    0.0    0.0
7923  6.0    0.0    0.0    0.0     7981 12.9    1.6   52.2   31.6     8039  5.9    0.0    0.0    0.0
7924  6.4    0.0    0.0    0.0     7982 12.2   55.6 131.2  100.0     8040  6.1    0.0    0.0    0.0
7925  5.6    0.0    0.0    0.0     7983 12.0   40.6   91.5   78.7     8041  6.4    0.0    0.0    0.0
7926  3.3    0.0    0.0    0.0     7984 12.1    4.3   24.6   18.0     8042  6.7    0.0    0.0    0.0
7927  2.3    0.0    0.0    0.0     7985 11.4    0.0    0.0    0.0     8043  6.9    0.0    0.0    0.0
7928  2.5    0.0    0.0    0.0     7986 10.7    0.0    0.0    0.0     8044  7.0    0.0    0.0    0.0
7929  2.4 180.4   48.4   30.8     7987 10.0    0.0    0.0    0.0     8045  6.1    0.0    0.0    0.0
7930  2.8    2.4   41.2   24.7     7988  9.4    0.0    0.0    0.0     8046  4.9    0.0    0.0    0.0
7931  3.8 591.1   92.6   72.7     7989  8.7    0.0    0.0    0.0     8047  4.5    0.0    0.0    0.0
7932  4.5    1.0   41.3   24.8     7990  8.2    0.0    0.0    0.0     8048  4.5    0.0    0.0    0.0
7933  4.5   89.6 158.8  109.1     7991  7.8    0.0    0.0    0.0     8049  4.6   17.4   34.6   20.9
7934  3.9   19.9 116.4   77.5     7992  7.4    0.0    0.0    0.0     8050  4.7    0.4   16.6   10.0
7935  3.3    4.7   57.3   37.2     7993  6.9    0.0    0.0    0.0     8051  5.0   69.1 130.6   80.3
7936  3.0    3.1   21.9   15.4     7994  6.3    0.0    0.0    0.0     8052  5.3    3.5   73.9   44.4
7937  2.6    0.0    0.0    0.0     7995  5.4    0.0    0.0    0.0     8053  5.1    5.8   95.4   58.1
7938  2.2    0.0    0.0    0.0     7996  4.7    0.0    0.0    0.0     8054  4.7    0.5   24.9   15.1
7939  2.0    0.0    0.0    0.0     7997  4.7    0.0    0.0    0.0     8055  4.4   26.7   83.5   65.7
7940  2.0    0.0    0.0    0.0     7998  5.0    0.0    0.0    0.0     8056  4.8    6.3   27.2   21.0
7941  1.9    0.0    0.0    0.0     7999  5.6    0.0    0.0    0.0     8057  5.0    0.0    0.0    0.0
7942  1.8    0.0    0.0    0.0     8000  6.8    0.0    0.0    0.0     8058  4.5    0.0    0.0    0.0
7943  1.8    0.0    0.0    0.0     8001  7.5    7.1   29.9   18.0     8059  3.7    0.0    0.0    0.0
7944  1.7    0.0    0.0    0.0     8002  6.8  233.0   96.3   62.5     8060  3.5    0.0    0.0    0.0
7945  1.6    0.0    0.0    0.0     8003  6.4    8.2   94.9   57.2     8061  3.6    0.0    0.0    0.0
7946  1.5    0.0    0.0    0.0     8004  6.8  301.8 145.6   97.2     8062  3.6    0.0    0.0    0.0
7947  1.5    0.0    0.0    0.0     8005  7.1   32.6 139.3   88.6     8063  3.6    0.0    0.0    0.0
7948  1.3    0.0    0.0    0.0     8006  6.6   18.1 111.5   73.8     8064  3.5    0.0    0.0    0.0
7949  1.9    0.0    0.0    0.0     8007  6.1    9.1   70.4   47.5     8065  3.5    0.0    0.0    0.0
7950  2.1    0.0    0.0    0.0     8008  5.3   13.7   34.8   31.1     8066  3.4    0.0    0.0    0.0
7951  1.6    0.0    0.0    0.0     8009  4.4    0.0    0.0    0.0     8067  3.2    0.0    0.0    0.0
7952  2.4    0.0    0.0    0.0     8010  3.8    0.0    0.0    0.0     8068  3.7    0.0    0.0    0.0
7953  3.3    1.3   13.8    8.3     8011  3.4    0.0    0.0    0.0     8069  3.0    0.0    0.0    0.0
7954  3.5    6.5   65.3   39.3     8012  3.1    0.0    0.0    0.0     8070  2.1    0.0    0.0    0.0
7955  3.5    0.5   24.9   14.9     8013  2.8    0.0    0.0    0.0     8071  2.6    0.0    0.0    0.0
7956  3.8    0.5   30.4   18.2     8014  2.5    0.0    0.0    0.0     8072  2.6    0.0    0.0    0.0
7957  4.0    0.5   30.4   18.3     8015  2.4    0.0    0.0    0.0     8073  2.2   55.4   39.6   24.2
7958  3.9    4.2   73.8   45.9     8016  2.3    0.0    0.0    0.0     8074  2.4  696.2   52.7   45.4
7959  4.1    0.4   16.6   10.2     8017  2.2    0.0    0.0    0.0     8075  2.9  100.7 133.0   82.6
7960  4.5    1.3   13.8    9.2     8018  2.1    0.0    0.0    0.0     8076  3.2  182.0 152.8   97.5
7961  4.9    0.0    0.0    0.0     8019  2.1    0.0    0.0    0.0     8077  3.2  899.8   59.1  172.8
7962  5.3    0.0    0.0    0.0     8020  2.2    0.0    0.0    0.0     8078  2.8  845.7   55.7  356.2
7963  5.7    0.0    0.0    0.0     8021  3.3    0.0    0.0    0.0     8079  2.9  145.6   95.9  142.4
7964  6.2    0.0    0.0    0.0     8022  4.5    0.0    0.0    0.0     8080  2.9    6.7   27.2   21.3
7965  6.8    0.0    0.0    0.0     8023  5.1    0.0    0.0    0.0     8081  2.0    0.0    0.0    0.0
7966  7.3    0.0    0.0    0.0     8024  5.5    0.0    0.0    0.0     8082  1.4    0.0    0.0    0.0
7967  7.8    0.0    0.0    0.0     8025  5.4  231.1   42.7   27.7     8083  1.2    0.0    0.0    0.0
7968  8.3    0.0    0.0    0.0     8026  6.1    8.2   67.8   40.8     8084  1.0    0.0    0.0    0.0
7969  8.8    0.0    0.0    0.0     8027  6.9  329.1 123.3   83.2     8085  0.9    0.0    0.0    0.0
7970  9.4    0.0    0.0    0.0     8028  7.4   48.5 145.4   88.8     8086  0.4    0.0    0.0    0.0
7971 10.0    0.0    0.0    0.0     8029  7.9  412.3 129.9  141.1     8087  0.2    0.0    0.0    0.0
7972 10.4    0.0    0.0    0.0     8030  8.3  395.7 115.5  220.8     8088  0.2    0.0    0.0    0.0
7973  9.0    0.0    0.0    0.0     8031  8.5    5.2   57.3   37.4     8089  0.2    0.0    0.0    0.0
7974  9.1    0.0    0.0    0.0     8032  8.1    7.7   29.9   23.6     8090  0.2    0.0    0.0    0.0
7975 10.9    0.0    0.0    0.0     8033  6.8    0.0    0.0    0.0     8091  0.2    0.0    0.0    0.0
7976 11.5    0.0    0.0    0.0     8034  5.3    0.0    0.0    0.0     8092  0.3    0.0    0.0    0.0
7977 12.5   12.2   34.9   21.1     8035  4.9    0.0    0.0    0.0     8093  0.2    0.0    0.0    0.0
7978 13.0  258.5   95.9   62.9     8036  5.6    0.0    0.0    0.0     8094  0.2    0.0    0.0    0.0
7979 12.9   15.4 109.4   66.1     8037  5.8    0.0    0.0    0.0     8095  0.5    0.0    0.0    0.0
```

8096	0.8	0.0	0.0	0.0	8154	8.1	0.0	0.0	0.0	8212	4.3	0.0	0.0	0.0
8097	1.1	7.1	27.2	16.4	8155	7.9	0.0	0.0	0.0	8213	4.1	0.0	0.0	0.0
8098	1.3	10.9	70.1	42.3	8156	8.0	0.0	0.0	0.0	8214	4.3	0.0	0.0	0.0
8099	1.5	8.3	92.2	55.5	8157	8.0	0.0	0.0	0.0	8215	4.8	0.0	0.0	0.0
8100	1.9	3.0	68.5	41.2	8158	7.8	0.0	0.0	0.0	8216	4.8	0.0	0.0	0.0
8101	2.0	3.8	76.6	46.5	8159	7.7	0.0	0.0	0.0	8217	4.4	4.1	19.1	11.5
8102	1.8	7.5	89.6	56.6	8160	7.6	0.0	0.0	0.0	8218	4.1	1.4	27.5	16.5
8103	1.9	1.3	27.5	17.3	8161	7.4	0.0	0.0	0.0	8219	4.0	3.6	62.9	37.8
8104	2.2	1.7	13.7	9.5	8162	7.2	0.0	0.0	0.0	8220	4.6	2.5	60.3	36.3
8105	2.3	0.0	0.0	0.0	8163	7.0	0.0	0.0	0.0	8221	5.4	0.5	27.6	16.7
8106	2.3	0.0	0.0	0.0	8164	6.7	0.0	0.0	0.0	8222	5.6	0.4	22.1	13.4
8107	2.3	0.0	0.0	0.0	8165	5.9	0.0	0.0	0.0	8223	5.8	6.1	57.2	37.8
8108	2.4	0.0	0.0	0.0	8166	6.0	0.0	0.0	0.0	8224	6.0	1.3	11.0	7.6
8109	2.6	0.0	0.0	0.0	8167	6.8	0.0	0.0	0.0	8225	6.0	0.0	0.0	0.0
8110	2.7	0.0	0.0	0.0	8168	6.8	0.0	0.0	0.0	8226	5.9	0.0	0.0	0.0
8111	2.9	0.0	0.0	0.0	8169	6.5	1.9	13.7	8.3	8227	5.7	0.0	0.0	0.0
8112	3.1	0.0	0.0	0.0	8170	6.3	7.6	62.4	37.6	8228	5.8	0.0	0.0	0.0
8113	3.3	0.0	0.0	0.0	8171	6.6	5.6	79.0	47.6	8229	6.0	0.0	0.0	0.0
8114	3.4	0.0	0.0	0.0	8172	6.8	25.3	128.2	77.7	8230	6.1	0.0	0.0	0.0
8115	3.5	0.0	0.0	0.0	8173	6.7	1.3	44.0	26.6	8231	6.1	0.0	0.0	0.0
8116	3.4	0.0	0.0	0.0	8174	6.2	4.5	71.0	44.3	8232	6.1	0.0	0.0	0.0
8117	3.5	0.0	0.0	0.0	8175	6.0	0.3	13.8	8.5	8233	6.1	0.0	0.0	0.0
8118	3.7	0.0	0.0	0.0	8176	5.7	5.0	21.8	16.8	8234	6.1	0.0	0.0	0.0
8119	3.8	0.0	0.0	0.0	8177	5.0	0.0	0.0	0.0	8235	6.0	0.0	0.0	0.0
8120	4.3	0.0	0.0	0.0	8178	4.6	0.0	0.0	0.0	8236	5.8	0.0	0.0	0.0
8121	4.6	2.6	16.5	9.9	8179	4.3	0.0	0.0	0.0	8237	5.8	0.0	0.0	0.0
8122	5.3	1.6	30.3	18.2	8180	3.8	0.0	0.0	0.0	8238	6.0	0.0	0.0	0.0
8123	6.3	1.5	41.3	24.8	8181	3.3	0.0	0.0	0.0	8239	5.6	0.0	0.0	0.0
8124	6.8	5.1	87.3	52.5	8182	2.7	0.0	0.0	0.0	8240	5.6	0.0	0.0	0.0
8125	7.1	1.3	44.1	26.6	8183	2.0	0.0	0.0	0.0	8241	5.4	3.1	16.4	9.9
8126	7.7	9.5	94.6	60.4	8184	1.5	0.0	0.0	0.0	8242	4.5	69.4	87.0	53.5
8127	8.4	1.6	30.3	19.1	8185	1.2	0.0	0.0	0.0	8243	4.7	36.7	115.2	70.1
8128	8.6	1.8	13.7	9.6	8186	0.9	0.0	0.0	0.0	8244	5.6	81.0	144.6	89.2
8129	8.4	0.0	0.0	0.0	8187	0.6	0.0	0.0	0.0	8245	5.7	49.0	137.8	90.0
8130	8.2	0.0	0.0	0.0	8188	1.0	0.0	0.0	0.0	8246	5.4	2.5	52.1	32.2
8131	8.1	0.0	0.0	0.0	8189	1.0	0.0	0.0	0.0	8247	5.5	173.9	89.7	154.5
8132	8.1	0.0	0.0	0.0	8190	0.4	0.0	0.0	0.0	8248	5.1	7.5	24.4	20.2
8133	8.2	0.0	0.0	0.0	8191	0.5	0.0	0.0	0.0	8249	4.4	0.0	0.0	0.0
8134	8.4	0.0	0.0	0.0	8192	0.7	0.0	0.0	0.0	8250	3.7	0.0	0.0	0.0
8135	8.6	0.0	0.0	0.0	8193	0.9	3.9	19.1	11.5	8251	2.9	0.0	0.0	0.0
8136	8.7	0.0	0.0	0.0	8194	0.9	0.3	13.8	8.3	8252	2.6	0.0	0.0	0.0
8137	8.7	0.0	0.0	0.0	8195	1.3	6.1	81.7	49.2	8253	2.2	0.0	0.0	0.0
8138	8.7	0.0	0.0	0.0	8196	1.7	10.0	108.0	65.1	8254	1.9	0.0	0.0	0.0
8139	8.6	0.0	0.0	0.0	8197	1.7	1.7	49.5	29.9	8255	1.7	0.0	0.0	0.0
8140	8.4	0.0	0.0	0.0	8198	1.7	1.3	38.5	23.6	8256	1.3	0.0	0.0	0.0
8141	8.2	0.0	0.0	0.0	8199	2.1	2.3	35.7	22.7	8257	1.0	0.0	0.0	0.0
8142	8.5	0.0	0.0	0.0	8200	2.5	1.3	11.0	7.6	8258	1.0	0.0	0.0	0.0
8143	9.0	0.0	0.0	0.0	8201	2.5	0.0	0.0	0.0	8259	1.0	0.0	0.0	0.0
8144	8.7	0.0	0.0	0.0	8202	2.5	0.0	0.0	0.0	8260	1.1	0.0	0.0	0.0
8145	8.2	0.3	5.5	3.3	8203	2.6	0.0	0.0	0.0	8261	1.0	0.0	0.0	0.0
8146	8.3	1.9	33.0	19.8	8204	3.1	0.0	0.0	0.0	8262	0.9	0.0	0.0	0.0
8147	9.0	3.2	60.2	36.2	8205	3.7	0.0	0.0	0.0	8263	0.9	0.0	0.0	0.0
8148	9.2	1.6	49.5	29.7	8206	3.9	0.0	0.0	0.0	8264	1.2	0.0	0.0	0.0
8149	8.9	7.9	103.1	63.0	8207	4.1	0.0	0.0	0.0	8265	1.9	2.2	13.7	8.2
8150	8.7	2.1	49.4	30.5	8208	4.3	0.0	0.0	0.0	8266	2.4	7.3	59.8	36.0
8151	8.6	11.9	69.9	48.9	8209	4.4	0.0	0.0	0.0	8267	3.3	2.0	46.7	28.1
8152	8.7	1.9	13.7	9.6	8210	4.4	0.0	0.0	0.0	8268	4.7	0.5	27.6	16.6
8153	8.5	0.0	0.0	0.0	8211	4.4	0.0	0.0	0.0	8269	4.8	4.7	81.9	49.8

8270	4.5	33.6	113.3	80.7	8328	-4.0	0.0	0.0	0.0	8386	-1.9	0.7	19.3	11.6
8271	4.4	62.6	85.6	87.6	8329	-4.2	0.0	0.0	0.0	8387	-1.3	0.7	27.6	16.6
8272	3.5	7.9	24.4	20.5	8330	-4.2	0.0	0.0	0.0	8388	-0.9	1.6	46.8	28.1
8273	2.5	0.0	0.0	0.0	8331	-4.2	0.0	0.0	0.0	8389	-0.7	0.5	27.6	16.6
8274	2.0	0.0	0.0	0.0	8332	-4.0	0.0	0.0	0.0	8390	-0.4	0.5	22.1	13.4
8275	1.7	0.0	0.0	0.0	8333	-3.7	0.0	0.0	0.0	8391	-0.1	1.0	22.1	13.8
8276	1.3	0.0	0.0	0.0	8334	-3.1	0.0	0.0	0.0	8392	0.2	1.6	11.0	7.8
8277	1.1	0.0	0.0	0.0	8335	-3.3	0.0	0.0	0.0	8393	0.5	0.0	0.0	0.0
8278	1.4	0.0	0.0	0.0	8336	-3.7	0.0	0.0	0.0	8394	0.7	0.0	0.0	0.0
8279	1.6	0.0	0.0	0.0	8337	-3.5	573.9	23.1	18.0	8395	0.5	0.0	0.0	0.0
8280	1.4	0.0	0.0	0.0	8338	-2.1	322.1	80.1	54.0	8396	0.7	0.0	0.0	0.0
8281	1.4	0.0	0.0	0.0	8339	0.3	382.8	108.3	75.0	8397	1.0	0.0	0.0	0.0
8282	1.4	0.0	0.0	0.0	8340	2.1	471.0	113.2	82.2	8398	1.3	0.0	0.0	0.0
8283	1.3	0.0	0.0	0.0	8341	2.5	74.3	141.4	96.0	8399	1.7	0.0	0.0	0.0
8284	1.4	0.0	0.0	0.0	8342	2.6	156.2	125.8	134.5	8400	2.0	0.0	0.0	0.0
8285	1.5	0.0	0.0	0.0	8343	3.0	68.1	84.8	90.2	8401	2.2	0.0	0.0	0.0
8286	1.7	0.0	0.0	0.0	8344	2.5	236.8	33.2	194.1	8402	2.4	0.0	0.0	0.0
8287	3.1	0.0	0.0	0.0	8345	2.0	0.0	0.0	0.0	8403	2.5	0.0	0.0	0.0
8288	4.3	0.0	0.0	0.0	8346	1.5	0.0	0.0	0.0	8404	2.5	0.0	0.0	0.0
8289	4.8	0.4	5.5	3.3	8347	1.0	0.0	0.0	0.0	8405	2.6	0.0	0.0	0.0
8290	5.9	84.3	87.2	53.9	8348	0.9	0.0	0.0	0.0	8406	2.7	0.0	0.0	0.0
8291	7.0	47.8	118.0	72.0	8349	0.5	0.0	0.0	0.0	8407	2.6	0.0	0.0	0.0
8292	8.3	23.2	123.5	74.8	8350	0.2	0.0	0.0	0.0	8408	2.9	0.0	0.0	0.0
8293	9.2	14.9	114.9	71.2	8351	0.8	0.0	0.0	0.0	8409	3.5	0.9	8.3	5.0
8294	9.1	824.8	54.9	344.9	8352	1.3	0.0	0.0	0.0	8410	3.7	6.9	57.1	34.4
8295	8.7	121.0	88.8	123.2	8353	1.6	0.0	0.0	0.0	8411	3.6	0.5	22.1	13.3
8296	8.4	8.3	24.4	20.8	8354	1.8	0.0	0.0	0.0	8412	3.8	2.9	63.0	37.9
8297	8.0	0.0	0.0	0.0	8355	1.9	0.0	0.0	0.0	8413	4.0	5.6	87.2	53.2
8298	7.6	0.0	0.0	0.0	8356	2.0	0.0	0.0	0.0	8414	4.5	2.1	46.7	28.8
8299	7.6	0.0	0.0	0.0	8357	2.1	0.0	0.0	0.0	8415	4.9	1.0	22.1	13.8
8300	7.4	0.0	0.0	0.0	8358	1.5	0.0	0.0	0.0	8416	5.0	0.9	8.3	5.6
8301	7.5	0.0	0.0	0.0	8359	0.3	0.0	0.0	0.0	8417	5.0	0.0	0.0	0.0
8302	7.9	0.0	0.0	0.0	8360	-0.1	0.0	0.0	0.0	8418	4.8	0.0	0.0	0.0
8303	7.8	0.0	0.0	0.0	8361	0.3	0.4	5.5	3.3	8419	4.9	0.0	0.0	0.0
8304	7.4	0.0	0.0	0.0	8362	0.1	0.4	13.8	8.3	8420	5.0	0.0	0.0	0.0
8305	6.9	0.0	0.0	0.0	8363	-0.7	0.5	22.1	13.3	8421	4.9	0.0	0.0	0.0
8306	6.6	0.0	0.0	0.0	8364	-1.2	5.9	89.9	54.1	8422	4.8	0.0	0.0	0.0
8307	6.2	0.0	0.0	0.0	8365	-1.7	1.6	46.8	28.3	8423	4.7	0.0	0.0	0.0
8308	6.0	0.0	0.0	0.0	8366	-2.2	0.7	27.6	16.8	8424	4.7	0.0	0.0	0.0
8309	5.4	0.0	0.0	0.0	8367	-2.3	1.2	24.8	15.6	8425	4.7	0.0	0.0	0.0
8310	4.4	0.0	0.0	0.0	8368	-2.4	1.6	11.0	7.8	8426	4.6	0.0	0.0	0.0
8311	4.0	0.0	0.0	0.0	8369	-2.7	0.0	0.0	0.0	8427	4.5	0.0	0.0	0.0
8312	4.0	0.0	0.0	0.0	8370	-3.1	0.0	0.0	0.0	8428	4.2	0.0	0.0	0.0
8313	4.3	34.1	30.9	18.8	8371	-3.4	0.0	0.0	0.0	8429	4.0	0.0	0.0	0.0
8314	5.1	86.6	86.9	53.7	8372	-3.8	0.0	0.0	0.0	8430	3.8	0.0	0.0	0.0
8315	5.5	122.3	126.2	79.0	8373	-3.9	0.0	0.0	0.0	8431	4.0	0.0	0.0	0.0
8316	6.0	191.9	144.6	92.6	8374	-4.0	0.0	0.0	0.0	8432	4.3	0.0	0.0	0.0
8317	6.1	415.4	121.3	135.2	8375	-4.0	0.0	0.0	0.0	8433	4.0	0.4	5.5	3.3
8318	5.5	575.7	85.1	268.6	8376	-4.0	0.0	0.0	0.0	8434	3.8	0.7	19.3	11.6
8319	5.1	475.0	68.4	315.5	8377	-4.0	0.0	0.0	0.0	8435	4.1	0.7	27.6	16.6
8320	4.5	224.9	33.8	185.9	8378	-3.9	0.0	0.0	0.0	8436	4.3	1.4	44.0	26.5
8321	2.8	0.0	0.0	0.0	8379	-3.8	0.0	0.0	0.0	8437	4.3	0.6	27.6	16.6
8322	1.3	0.0	0.0	0.0	8380	-4.0	0.0	0.0	0.0	8438	4.6	4.6	68.3	42.7
8323	-0.1	0.0	0.0	0.0	8381	-3.4	0.0	0.0	0.0	8439	5.0	0.7	19.3	12.0
8324	-1.5	0.0	0.0	0.0	8382	-2.9	0.0	0.0	0.0	8440	5.3	0.9	8.3	5.7
8325	-1.9	0.0	0.0	0.0	8383	-3.0	0.0	0.0	0.0	8441	5.3	0.0	0.0	0.0
8326	-2.1	0.0	0.0	0.0	8384	-2.8	0.0	0.0	0.0	8442	5.2	0.0	0.0	0.0
8327	-3.1	0.0	0.0	0.0	8385	-2.6	0.4	5.5	3.3	8443	5.2	0.0	0.0	0.0

8444	5.4	0.0	0.0	0.0	8502	8.0	0.0	0.0	0.0	8560	12.0	5.2	19.1	15.3
8445	5.6	0.0	0.0	0.0	8503	7.6	0.0	0.0	0.0	8561	11.3	0.0	0.0	0.0
8446	5.6	0.0	0.0	0.0	8504	7.6	0.0	0.0	0.0	8562	10.8	0.0	0.0	0.0
8447	5.7	0.0	0.0	0.0	8505	7.9	5.2	19.1	11.5	8563	10.2	0.0	0.0	0.0
8448	5.7	0.0	0.0	0.0	8506	8.5	5.5	51.8	31.2	8564	9.2	0.0	0.0	0.0
8449	5.7	0.0	0.0	0.0	8507	9.3	153.3	124.4	78.6	8565	8.8	0.0	0.0	0.0
8450	5.6	0.0	0.0	0.0	8508	10.0	240.4	139.3	90.8	8566	8.9	0.0	0.0	0.0
8451	5.5	0.0	0.0	0.0	8509	10.4	106.5	143.2	101.9	8567	8.7	0.0	0.0	0.0
8452	5.3	0.0	0.0	0.0	8510	10.0	111.9	123.9	116.5	8568	8.2	0.0	0.0	0.0
8453	5.3	0.0	0.0	0.0	8511	9.2	64.4	82.9	86.9	8569	7.6	0.0	0.0	0.0
8454	4.8	0.0	0.0	0.0	8512	9.3	5.2	19.1	15.3	8570	7.1	0.0	0.0	0.0
8455	4.2	0.0	0.0	0.0	8513	9.2	0.0	0.0	0.0	8571	6.7	0.0	0.0	0.0
8456	4.3	0.0	0.0	0.0	8514	8.5	0.0	0.0	0.0	8572	6.5	0.0	0.0	0.0
8457	4.4	1.7	11.0	6.6	8515	8.6	0.0	0.0	0.0	8573	6.6	0.0	0.0	0.0
8458	4.5	0.4	13.8	8.3	8516	8.6	0.0	0.0	0.0	8574	6.6	0.0	0.0	0.0
8459	4.2	2.1	46.7	28.1	8517	8.3	0.0	0.0	0.0	8575	6.8	0.0	0.0	0.0
8460	4.0	7.7	97.7	58.9	8518	8.5	0.0	0.0	0.0	8576	6.9	0.0	0.0	0.0
8461	4.4	0.6	27.6	16.6	8519	9.0	0.0	0.0	0.0	8577	7.0	0.4	5.5	3.3
8462	4.7	0.5	22.1	13.4	8520	9.5	0.0	0.0	0.0	8578	7.8	47.2	80.4	49.1
8463	5.0	16.7	69.2	51.2	8521	10.0	0.0	0.0	0.0	8579	8.8	23.3	105.1	63.7
8464	5.1	3.8	16.4	12.6	8522	10.5	0.0	0.0	0.0	8580	9.5	90.9	142.3	88.1
8465	4.8	0.0	0.0	0.0	8523	10.6	0.0	0.0	0.0	8581	9.7	2.9	63.0	38.2
8466	5.1	0.0	0.0	0.0	8524	10.7	0.0	0.0	0.0	8582	10.1	1.9	44.0	27.1
8467	5.6	0.0	0.0	0.0	8525	10.5	0.0	0.0	0.0	8583	10.5	24.1	73.5	58.0
8468	5.8	0.0	0.0	0.0	8526	10.3	0.0	0.0	0.0	8584	10.4	5.2	19.1	15.2
8469	5.3	0.0	0.0	0.0	8527	10.5	0.0	0.0	0.0	8585	10.1	0.0	0.0	0.0
8470	4.4	0.0	0.0	0.0	8528	10.5	0.0	0.0	0.0	8586	10.1	0.0	0.0	0.0
8471	3.9	0.0	0.0	0.0	8529	10.2	7.1	21.7	13.1	8587	9.8	0.0	0.0	0.0
8472	3.7	0.0	0.0	0.0	8530	10.3	1.9	30.2	18.2	8588	9.2	0.0	0.0	0.0
8473	3.6	0.0	0.0	0.0	8531	10.6	78.6	121.4	74.9	8589	8.5	0.0	0.0	0.0
8474	3.7	0.0	0.0	0.0	8532	11.0	13.0	110.0	66.4	8590	8.0	0.0	0.0	0.0
8475	3.8	0.0	0.0	0.0	8533	10.9	55.7	136.2	90.0	8591	7.7	0.0	0.0	0.0
8476	3.7	0.0	0.0	0.0	8534	10.3	0.5	22.1	13.4	8592	7.7	0.0	0.0	0.0
8477	3.5	0.0	0.0	0.0	8535	10.4	64.4	82.9	86.9	8593	7.8	0.0	0.0	0.0
8478	3.6	0.0	0.0	0.0	8536	10.8	5.2	19.1	15.3	8594	7.7	0.0	0.0	0.0
8479	3.1	0.0	0.0	0.0	8537	10.5	0.0	0.0	0.0	8595	7.6	0.0	0.0	0.0
8480	2.4	0.0	0.0	0.0	8538	9.8	0.0	0.0	0.0	8596	7.5	0.0	0.0	0.0
8481	2.1	0.4	5.5	3.3	8539	9.6	0.0	0.0	0.0	8597	7.2	0.0	0.0	0.0
8482	2.3	24.3	73.4	44.5	8540	9.2	0.0	0.0	0.0	8598	7.0	0.0	0.0	0.0
8483	3.6	0.5	22.1	13.3	8541	8.6	0.0	0.0	0.0	8599	7.1	0.0	0.0	0.0
8484	5.0	2.9	63.0	37.9	8542	8.4	0.0	0.0	0.0	8600	6.7	0.0	0.0	0.0
8485	5.1	7.0	95.1	58.1	8543	8.6	0.0	0.0	0.0	8601	6.5	2.6	13.7	8.2
8486	5.5	6.9	81.6	51.5	8544	9.0	0.0	0.0	0.0	8602	6.5	3.4	41.1	24.7
8487	6.2	7.0	57.1	38.3	8545	9.2	0.0	0.0	0.0	8603	6.3	2.4	49.4	29.7
8488	6.3	3.8	16.4	12.7	8546	9.1	0.0	0.0	0.0	8604	6.3	0.6	27.6	16.6
8489	6.5	0.0	0.0	0.0	8547	8.9	0.0	0.0	0.0	8605	6.3	0.6	27.6	16.6
8490	6.6	0.0	0.0	0.0	8548	8.8	0.0	0.0	0.0	8606	6.2	0.6	24.9	15.1
8491	6.3	0.0	0.0	0.0	8549	8.5	0.0	0.0	0.0	8607	6.2	1.8	30.2	19.2
8492	6.5	0.0	0.0	0.0	8550	8.2	0.0	0.0	0.0	8608	6.0	0.9	8.3	5.7
8493	6.9	0.0	0.0	0.0	8551	8.4	0.0	0.0	0.0	8609	5.8	0.0	0.0	0.0
8494	7.0	0.0	0.0	0.0	8552	9.0	0.0	0.0	0.0	8610	6.1	0.0	0.0	0.0
8495	7.0	0.0	0.0	0.0	8553	9.2	3.8	16.4	9.9	8611	6.4	0.0	0.0	0.0
8496	7.0	0.0	0.0	0.0	8554	10.6	34.4	77.2	46.9	8612	6.3	0.0	0.0	0.0
8497	7.2	0.0	0.0	0.0	8555	12.1	33.8	110.7	67.3	8613	6.0	0.0	0.0	0.0
8498	7.5	0.0	0.0	0.0	8556	11.9	66.1	138.6	85.1	8614	5.9	0.0	0.0	0.0
8499	7.7	0.0	0.0	0.0	8557	12.1	46.2	133.4	87.0	8615	5.8	0.0	0.0	0.0
8500	7.6	0.0	0.0	0.0	8558	12.5	326.3	113.0	190.9	8616	5.7	0.0	0.0	0.0
8501	7.9	0.0	0.0	0.0	8559	12.4	95.9	85.6	106.7	8617	5.5	0.0	0.0	0.0

8618	5.3	0.0	0.0	0.0	8676	4.8	341.9	130.3	88.5	8734	1.4	0.0	0.0	0.0
8619	5.2	0.0	0.0	0.0	8677	4.7	243.5	140.5	120.9	8735	1.5	0.0	0.0	0.0
8620	4.9	0.0	0.0	0.0	8678	4.3	422.6	103.7	221.9	8736	1.8	0.0	0.0	0.0
8621	5.0	0.0	0.0	0.0	8679	4.1	89.7	86.5	103.7	8737	2.0	0.0	0.0	0.0
8622	5.0	0.0	0.0	0.0	8680	3.7	9.5	24.3	21.6	8738	2.2	0.0	0.0	0.0
8623	5.0	0.0	0.0	0.0	8681	3.4	0.0	0.0	0.0	8739	2.2	0.0	0.0	0.0
8624	5.7	0.0	0.0	0.0	8682	3.2	0.0	0.0	0.0	8740	2.3	0.0	0.0	0.0
8625	5.8	0.4	5.5	3.3	8683	2.9	0.0	0.0	0.0	8741	1.9	0.0	0.0	0.0
8626	5.5	0.4	13.8	8.3	8684	2.7	0.0	0.0	0.0	8742	1.6	0.0	0.0	0.0
8627	5.8	0.5	22.1	13.3	8685	1.9	0.0	0.0	0.0	8743	1.8	0.0	0.0	0.0
8628	5.9	3.7	71.1	42.8	8686	1.0	0.0	0.0	0.0	8744	2.4	0.0	0.0	0.0
8629	5.6	0.6	27.6	16.6	8687	0.6	0.0	0.0	0.0	8745	3.4	0.4	5.5	3.3
8630	5.8	0.5	22.1	13.4	8688	0.1	0.0	0.0	0.0	8746	4.1	0.4	13.8	8.3
8631	6.7	3.9	43.8	28.5	8689	-0.3	0.0	0.0	0.0	8747	5.4	5.1	73.6	44.3
8632	7.2	5.0	19.1	15.2	8690	-0.5	0.0	0.0	0.0	8748	6.8	2.8	63.0	37.9
8633	7.0	0.0	0.0	0.0	8691	-0.7	0.0	0.0	0.0	8749	7.5	406.5	123.4	135.3
8634	6.3	0.0	0.0	0.0	8692	-0.6	0.0	0.0	0.0	8750	7.9	70.4	123.1	100.5
8635	5.4	0.0	0.0	0.0	8693	-0.6	0.0	0.0	0.0	8751	7.8	239.0	86.4	190.1
8636	5.1	0.0	0.0	0.0	8694	-0.6	0.0	0.0	0.0	8752	7.3	8.2	24.4	20.7
8637	5.3	0.0	0.0	0.0	8695	-0.2	0.0	0.0	0.0	8753	6.8	0.0	0.0	0.0
8638	5.6	0.0	0.0	0.0	8696	-0.1	0.0	0.0	0.0	8754	6.7	0.0	0.0	0.0
8639	5.8	0.0	0.0	0.0	8697	-0.1	76.0	33.5	20.6	8755	6.4	0.0	0.0	0.0
8640	5.6	0.0	0.0	0.0	8698	0.8	4.2	46.5	27.9	8756	6.0	0.0	0.0	0.0
8641	5.1	0.0	0.0	0.0	8699	1.5	1.6	41.2	24.8	8757	5.7	0.0	0.0	0.0
8642	4.6	0.0	0.0	0.0	8700	1.0	12.2	110.2	66.5	8758	5.3	0.0	0.0	0.0
8643	4.3	0.0	0.0	0.0	8701	0.5	4.2	76.5	46.5	8759	4.8	0.0	0.0	0.0
8644	4.3	0.0	0.0	0.0	8702	0.4	19.3	103.3	69.3	8760	4.6	0.0	0.0	0.0
8645	4.5	0.0	0.0	0.0	8703	-0.1	0.4	13.8	8.5					
8646	4.9	0.0	0.0	0.0	8704	-0.4	6.3	21.8	17.7					
8647	4.8	0.0	0.0	0.0	8705	-0.6	0.0	0.0	0.0					
8648	3.7	0.0	0.0	0.0	8706	-1.2	0.0	0.0	0.0					
8649	3.0	9.9	24.3	14.7	8707	-1.9	0.0	0.0	0.0					
8650	3.4	3.8	43.8	26.3	8708	-2.7	0.0	0.0	0.0					
8651	4.3	10.5	91.7	55.3	8709	-3.4	0.0	0.0	0.0					
8652	5.3	95.6	143.5	89.0	8710	-3.9	0.0	0.0	0.0					
8653	6.2	1.6	46.8	28.3	8711	-4.2	0.0	0.0	0.0					
8654	6.6	117.1	125.1	119.3	8712	-4.7	0.0	0.0	0.0					
8655	6.9	19.2	71.5	54.0	8713	-5.2	0.0	0.0	0.0					
8656	6.7	9.9	24.3	21.9	8714	-5.6	0.0	0.0	0.0					
8657	5.7	0.0	0.0	0.0	8715	-6.0	0.0	0.0	0.0					
8658	4.6	0.0	0.0	0.0	8716	-6.2	0.0	0.0	0.0					
8659	4.2	0.0	0.0	0.0	8717	-6.5	0.0	0.0	0.0					
8660	4.0	0.0	0.0	0.0	8718	-6.5	0.0	0.0	0.0					
8661	3.7	0.0	0.0	0.0	8719	-5.8	0.0	0.0	0.0					
8662	4.0	0.0	0.0	0.0	8720	-5.1	0.0	0.0	0.0					
8663	4.3	0.0	0.0	0.0	8721	-5.0	3.4	16.4	9.9					
8664	4.1	0.0	0.0	0.0	8722	-5.0	96.9	87.8	54.4					
8665	3.9	0.0	0.0	0.0	8723	-4.4	12.9	96.6	58.3					
8666	3.7	0.0	0.0	0.0	8724	-4.0	51.3	137.2	83.9					
8667	3.5	0.0	0.0	0.0	8725	-3.3	84.8	143.7	99.0					
8668	3.4	0.0	0.0	0.0	8726	-2.1	0.5	22.1	13.4					
8669	2.8	0.0	0.0	0.0	8727	-1.3	3.7	43.8	28.4					
8670	2.7	0.0	0.0	0.0	8728	-1.2	6.0	21.8	17.5					
8671	3.3	0.0	0.0	0.0	8729	-0.6	0.0	0.0	0.0					
8672	3.6	0.0	0.0	0.0	8730	-0.1	0.0	0.0	0.0					
8673	3.5	37.7	30.7	18.7	8731	0.0	0.0	0.0	0.0					
8674	3.4	325.0	79.8	53.8	8732	0.3	0.0	0.0	0.0					
8675	4.2	265.0	119.8	78.8	8733	0.9	0.0	0.0	0.0					

Bibliography

[1]   CEN/TR 15615, *Explanation of the general relationship between various European standards and the Energy Performance of Buildings Directive (EPBD) ("Umbrella document")*

[2]   EN ISO 6946[3], *Building components and building elements — Thermal resistance and thermal transmittance — Calculation method (ISO/DIS 6946:2005)*

---

[3]   The revised version of this standard is expected to be published before or at the same time as EN 15265. The reference will be updated in the final version of EN 15265.