Handled by, phone
Margareta Andersson, +46 40 16 10 80
E-mail
margareta.andersson@sis.se

Revised prEN 15265, Thermal performance of buildings – Calculation of energy use for space heating and cooling – General criteria and validation procedures

GTR Work item 00089064

This document contains prEN 15265 revised on the basis of the comments received in the CEN Enquiry.

Document CEN/TC 89 N 1082 contains the comments received in the Enquiry with the replies of CEN/TC 89/WG 6, Non steady state thermal behaviour of buildings.

Documents CEN/TC 89 N 1082 and N 1083 are submitted to CEN/TC 89 requesting approval to submit prEN 15265 to CMC for Formal Vote. The CEN Members are kindly requested to approve draft resolution 386 (below) by returning the ballot paper (document CEN/TC 89 N 1084) by 7 September 2006. In parallel to this ballot the CEN/TC 89 Editing committee will review the draft standard.

***Draft* RESOLUTION number 386 taken by CEN/TC 89 by correspondence on 2006-09-07**

Subject : Decision on the future of prEN 15265 after CEN enquiry

CEN/TC 89, *Thermal performance of buildings and building components,*

- considering the table of decisions and the formal written proposals as distributed after the comments resolution meeting;
- considering the CEN/CENELEC Internal Regulations - Part 2, clause 11.2.3;
- considering Resolutions BT 34/2002, BT 42/2003 and related document BT N 6962 concerning timeframes for the development of ENs;

decides

to launch the formal vote on prEN 15265, Thermal performance of buildings – Calculation of energy use for space heating and cooling – General criteria and validation procedures (target date stage 45.00: 2006-10)

The decision was taken by *unanimity or simple majority with N positive votes, N negative vote(s) and N abstention(s).*

CEN/TC 89

Date: 2006-08

prEN 15265

CEN/TC 89

Secretariat: SIS

Thermal performance of buildings — Calculation of energy use for space heating and cooling — General criteria and validation procedures

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

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

ICS:

Descriptors:

Document type: European Standard
Document subtype:
Document stage: Formal Vote
Document language: E

C:\Data\Office97\TC 89\TC 89 WG 6\15265\WG6-N576_TC_89_WI_00089064_(E)_prEN15265_final_version_MA_utan ändringsmarkeringar.doc STD Version 2.1c

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms, definitions, symbols and units 6
3.1 Terms and definitions 6
3.2 Symbols and units 7

4 Procedures 8

5 Basic assumptions 9

6 Data requirement 9
6.1 General 9
6.2 Climatic data 10
6.3 Surface heat transfer coefficients 10
6.4 Solar distribution 11
6.5 Air ventilation and air infiltration 11
6.5.1 General 11
6.5.2 Infiltration 11
6.5.3 Ventilation 12
6.6 Internal load 12
6.7 Internal design temperature 12
6.8 Heating and cooling system device 12
6.8.1 General 12
6.8.2 Convective device 12
6.8.3 Cooling or heating surface device 13

7 Report of the calculation 13
7.1 General 13
7.2 Input data 13
7.3 Results of calculation 13

8 Validation tests 14
8.1 General 14
8.2 Room and components description 14
8.3 Test cases description 17
8.3.1 Initial tests 17
8.3.2 Validation tests 18

9 Validation criteria 19

10 Validation test report 20
10.1 General 20
10.2 Input data 20
10.3 Output results 21

Annex A (normative) **Climatic data for calculation** 22

Foreword

This document prEN 15265 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).

This 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 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 must be emphasized that there exist more sophisticated energy simulation methods and procedures including interactions with the HVAC and lighting systems which may be used for the design and optimization process of a building but are not in line with existing European Standards.

Introduction

According to this standard, assumptions, boundary conditions and a procedure for the validation of dynamic calculation of the annual energy need for space heating and cooling of a building or a part of it are defined.

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

For the different calculation subjects, general criteria and validation procedures for the building part of energy simulation models are laid down in a series of European Standards listed in the following table.

The, giving

EN-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)

Thermal performance of buildings —Calculation of energy need for space heating and cooling — General criteria and validation procedures

1 Scope

This 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 on an hourly basis or less.

The 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 standard is to validate calculation methods used to:

- describe the energy performance of each room of a building;
- provide energy data to be used as interface with system performance analysis) HVAC, 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 prescriptive calculation models have to be used according to existing European standards.

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

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

prEN ISO 13790, *Thermal performance of buildings – Calculation of energy use for space heating and cooling (ISO/DIS 13790:2005)*

prEN 15241*, Ventilation for buildings – Calculation methods for energy losses due to ventilation and infiltration in commercial buildings (WI 00156077)*

prEN 15242, *Ventilation for buildings –Calculation methods for the determination of air flow rates in buildings including infiltration*EN ISO 6946, *Building components and building elements – Thermal resistance and thermal transmittance - Calculation method (ISO/DIS 6946:2005)*

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

prEN ISO 10211, *Thermal bridges in building construction – Heat flows and surface temperatures – Detailed calculations (ISO/DIS 10211:2005)*

prEN ISO 13370, *Thermal performance of buildings – Heat transfer via the ground – Calculation methods (ISO/DIS 13370:2005)*

prEN ISO 14683, *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 European Standard, the terms and definitions given in EN ISO 7345 and the following apply.

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

3.1.2
energy use for heating or cooling
energy input to the heating or cooling system to satisfy the energy need for heating or cooling respectively

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

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

3.1.7
mean radiant temperature
the 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. 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_{sa}	solar to air factor	-
f_{lf}	solar loss factor	-
f_{df}	solar distribution factor	-
g	total solar energy transmittance	-
h	surface heat transfer coefficient	$W/(m^2 \cdot K)$
R	thermal resistance	$m^2 \cdot K/W$
Q	quantity of heat or energy	kWh
U	thermal transmittance under steady state	$W/(m^2 \cdot K)$
Φ	heat flow rate	W
α	solar energy absorptance	-
ε	total hemispherical emissivity	-
λ	thermal conductivity	W/(m·K)
ρ_e	solar energy reflectance	-
ρ	density	kg/m^3
θ	Celsius temperature	°C
τ_e	direct solar energy transmittance	-

Subscripts

a	air	i	internal
c	convection	r	radiation
e	external	op	operative

4 Procedures

The hourly cooling and heating energy needs of the building are calculated for the whole year based on climatic data, building characteristics using applicable standards listed in prEN ISO 13790 and national data for internal heat gains. The validation tests given in section 8 are limited to the building energy needs for heating and cooling only and therefore exclude the linkage to the energy system parts illustrated in Figure 1.

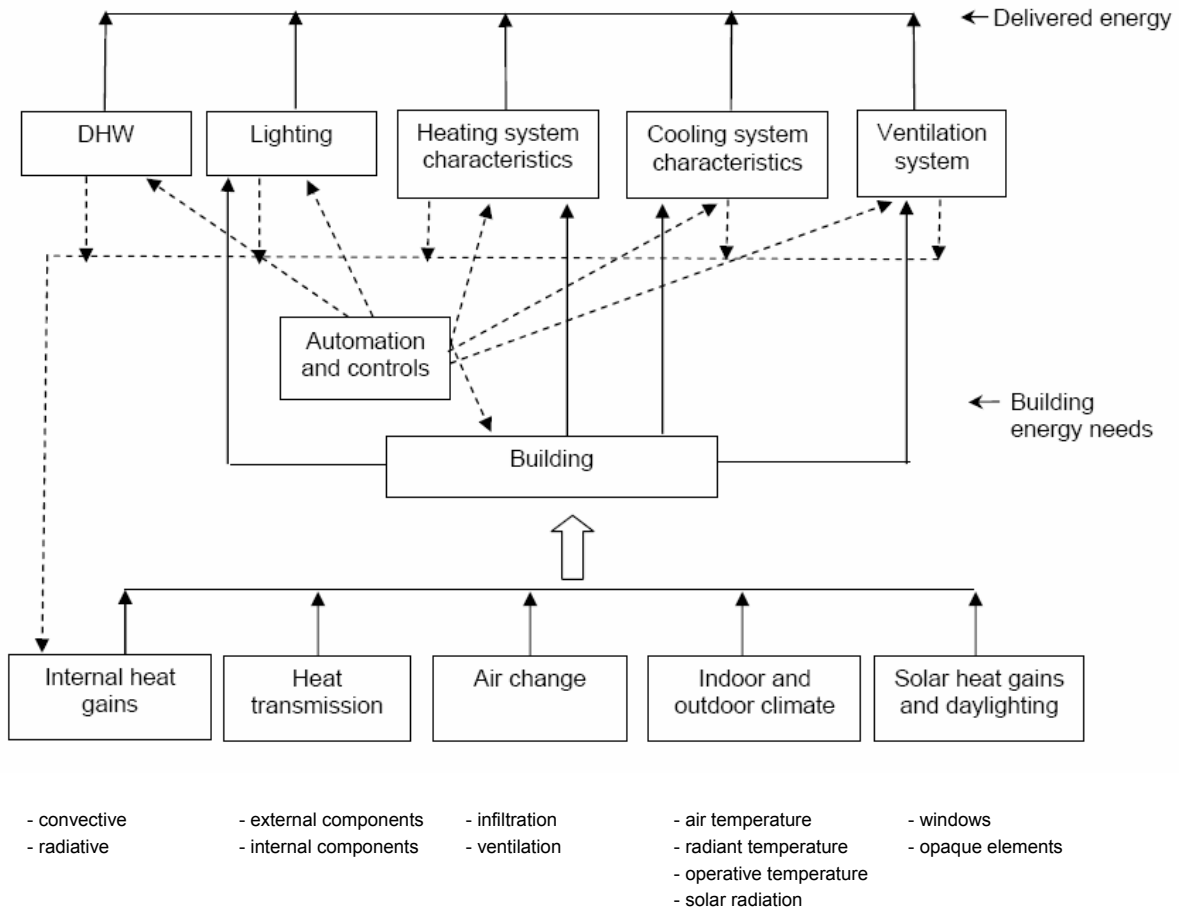

Figure 1 — Energy flows

5 Basic assumptions

The following basic assumptions are considered as minimum requirements for calculation methods:

— 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 (prEN ISO 14683) or as equivalent 1-dimensional building elements with thermal mass and thermal characteristics derived by steady state calculations (prEN 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 flux due to internal sources is uniform onto the inner surfaces of the enclosing components of the room;

— 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 EN ISO 13790

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

NOTE This list may be not exhaustive depending on the building features and applications

6 Data requirement

6.1 General

For evaluating the energy demand 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 prEN 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 fluxes due to lighting, occupants, internal equipment, 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 may be required for evaluating infiltration and the system behaviour

An example of a climatic data set is given in Annex A.

6.3 Surface heat transfer coefficients

The following values according to EN ISO 6946 shall be used:

a) Convective surface heat transfer coefficients

— external surface $h_{c,e}$ = 17,5 W/(m^2·K)

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

— internal surface of cooling or heating component :

— vertical: $h_{c,i}$ = 2,5 W/(m^2·K)

— horizontal (heat flow upwards) $h_{c,i}$ = 5,0 W/(m^2·K)

— horizontal (heat flow downwards) $h_{c,i}$ = 0,7 W/(m^2·K)

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

— internal surface $h_{lr,i}$ = 5,5 W/(m^2·K)

— external surface $h_{lr,e}$ = 5,5 W/(m^2·K)

NOTE Given values are typical for high emissivity ε=0,9 and T_m = 300 K.

6.4 Solar distribution

Solar to air factor f_{sa}

The solar to air factor, f_{sa}, takes into account that a proportion of the radiation entering through the window is immediately transformed in a heat flow rate for 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}, takes into account that a proportion of the solar radiation entering through the window 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 the glazing system is absorbed by the internal surface of each envelope 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 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

Outside 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 as 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 outside of the building than on the inside. 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 crack or gap.

6.5.3 Ventilation

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

6.6 Internal load

For calculation of the internal loads the input data should include the convective and radiative portion of heat flux from lighting, people, internal equipment. The convective portion of the energy emanating from the internal sources affects immediately the air. 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 at the prescribed inlet temperature θ_{il}, the room heating or cooling load is related to the air mass characteristics as follows:

$$\Phi_c = m_a \, c_a (\theta_{il} - \theta_{a,i}) \quad (2)$$

where

m_a is the air mass flow rate;

c_a is the specific heat 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 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 (including heat exchange with inside and outside and changes in heat storage)in order to maintain the prescribed internal conditions.

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

$$\Phi_L = \Phi_{out} + \Phi_{lr,i} + \Phi_{c,i} + \Phi_{sr,i} \quad (3)$$

where

Φ_{out} is the heat flow rate backwards (it may 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 energy demand 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 rate;

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 demand 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 standard does not impose any specific numerical technique for the calculation of the room heating or cooling load 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 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.

Tests presented in this clause consider the calculation of the room heating or cooling load and the internal temperatures for several cases, indicated below and the comparisons of these values with those included 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 α_{sr} = 0,6

— solar absorptance of the roof α_{sr} = 0,9

The thermophysical characteristics of the window components are:

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

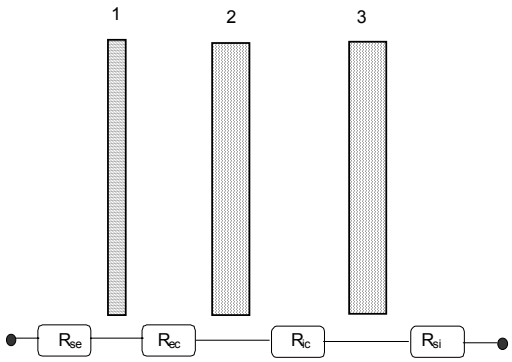

Figure 2 — Double pane window glazing with external shading

Thermal resistances including convection and long wave radiation:

— external surface R_{se} = 0,0435 m^2·K/W

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

— cavity between external pane and internal pane R_{ie} = 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} = 0,0435 m^2 K/W

— cavity between external pane and internal pane R_{ie} = 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

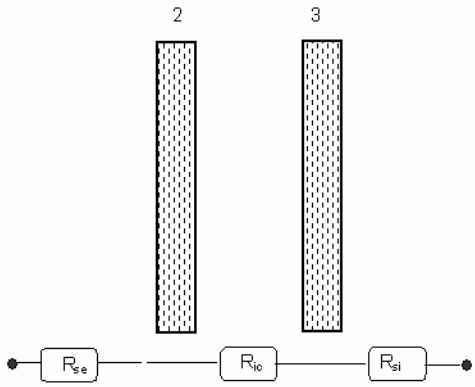

Figure 3 — Double pane window glazing without shading device

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 m	λ W/(m·K)	ρ kg/m³	c_p kJ/(kg·K)
Type 1 (external wall)				
outer layer	0,115	0,99	1800	0,85
insulating layer	0,06	0,04	30	0,85
masonry	0,175	0,79	1600	0,85
internal plastering	0,015	0,70	1400	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	1500	1,5
cement floor	0,06	1,40	2000	0,85
mineral wool	0,04	0,04	50	0,85
concrete	0,18	2,10	2400	0,85
Type 3f (floor)				
concrete	0,18	2,10	2400	0,85
mineral wool	0,04	0,04	50	0,85
cement floor	0,06	1,40	2000	0,85
plastic covering	0,004	0,23	1500	1,5

(continued)

Table 4 (concluded)

	d m	λ W/(m·K)	ρ kg/m³	c_p kJ/(kg·K)
Type 4c (ceiling/roof)				
plastic covering	0,004	0,23	1500	1,5
cement floor	0,06	1,40	2000	0,85
mineral wool	0,04	0,04	50	0,85
concrete	0,18	2,10	2400	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	2400	0,85
mineral wool	0,04	0,04	50	0,85
cement floor	0,06	1,40	2000	0,85
plastic covering	0,004	0,23	1500	1,5
Type 5 (roof)				
rain protection	0,004	0,23	1500	1,3
insulating	0,08	0,04	50	0,85
concrete	0,20	2,1	2400	0,85

The hourly mean values of climatic data are given in Annex A, starting on 1st January and ending on 31st 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 by outside 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 1st 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 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 unit floor area, from 8,00 h to 18,00 h during weekdays

ventilation 1 volume/h from 08:00 to 18:00 during weekdays

infiltration 0 volume/h

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 1996 to hour 7032) 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 nr 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	ShadedDP	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

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:

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

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

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 aregiven in Tables 5 and 6.

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

Test	$Q_{H,ref}$ kWh	$Q_{C,ref}$ kWh	$Q_{tot,ref}$ kWh
1	748,0	233,8	981,8
2	722,7	200,5	923,2
3	1368.5	43,0	1411,6
4	567,4	1530,9	2098,3

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

test n°	$Q_{H,ref}$ kWh	$Q_{C,ref}$ kWh	$Q_{tot,ref}$ kWh
5	463,1	201,7	664,8
6	509,8	185,1	694,9
7	1067,4	19,5	1086,9
8	313,2	1133,2	1446,4
9	747,1	158,3	905,4
10	574,2	192,4	766,6
11	1395,1	14,1	1409,3
12	533,5	928,3	1461,8

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 calculation

Data

Time: Hour of the year starting 1st January

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

DirN Direct normal solar radiation in W/m²

DifH Diffuse horizontal solar radiation in W/m²

GWest Global solar radiation on a vertical, west facing wall in W/m²

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

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

263	6.0	0.0	0.0	0.0	320	-0.6	0.0	0.0	0.0	377	2.2	0.0	0.0	0.0
264	5.8	0.0	0.0	0.0	321	-0.9	126.6	48.4	30.3	378	2.1	0.0	0.0	0.0
265	5.6	0.0	0.0	0.0	322	-1.0	26.9	88.7	53.8	379	2.2	0.0	0.0	0.0
266	5.7	0.0	0.0	0.0	323	-0.5	0.6	27.6	16.6	380	2.6	0.0	0.0	0.0
267	5.7	0.0	0.0	0.0	324	0.5	4.8	90.1	54.2	381	3.5	0.0	0.0	0.0
268	5.6	0.0	0.0	0.0	325	0.9	5.4	95.4	58.1	382	3.9	0.0	0.0	0.0
269	5.4	0.0	0.0	0.0	326	0.8	152.0	141.5	143.5	383	4.2	0.0	0.0	0.0
270	5.8	0.0	0.0	0.0	327	1.0	311.3	94.7	239.8	384	4.0	0.0	0.0	0.0
271	6.1	0.0	0.0	0.0	328	1.4	27.0	41.7	45.2	385	3.8	0.0	0.0	0.0
272	6.0	0.0	0.0	0.0	329	1.6	0.0	0.0	0.0	386	3.6	0.0	0.0	0.0
273	6.4	129.7	46.0	28.8	330	1.5	0.0	0.0	0.0	387	3.5	0.0	0.0	0.0
274	6.4	299.8	93.2	62.1	331	1.7	0.0	0.0	0.0	388	2.9	0.0	0.0	0.0
275	6.2	1.9	49.5	29.7	332	1.6	0.0	0.0	0.0	389	2.7	0.0	0.0	0.0
276	6.6	0.6	30.4	18.2	333	1.2	0.0	0.0	0.0	390	3.1	0.0	0.0	0.0
277	6.8	178.4	157.9	122.2	334	1.3	0.0	0.0	0.0	391	3.0	0.0	0.0	0.0
278	6.5	2.6	57.6	35.6	335	1.4	0.0	0.0	0.0	392	3.0	0.0	0.0	0.0
279	5.9	11.8	75.3	52.1	336	1.3	0.0	0.0	0.0	393	2.7	4.2	27.3	16.4
280	5.1	6.7	29.9	23.0	337	1.1	0.0	0.0	0.0	394	2.5	6.3	68.0	41.0
281	4.6	0.0	0.0	0.0	338	0.8	0.0	0.0	0.0	395	3.0	93.2	144.0	89.2
282	4.6	0.0	0.0	0.0	339	0.5	0.0	0.0	0.0	396	3.2	5.1	95.5	57.5
283	4.4	0.0	0.0	0.0	340	0.5	0.0	0.0	0.0	397	3.3	7.4	111.3	68.0
284	4.2	0.0	0.0	0.0	341	1.0	0.0	0.0	0.0	398	3.4	4.8	81.9	51.0
285	3.9	0.0	0.0	0.0	342	1.3	0.0	0.0	0.0	399	3.4	0.4	16.6	10.2
286	3.3	0.0	0.0	0.0	343	1.3	0.0	0.0	0.0	400	3.5	7.5	35.3	26.8
287	2.9	0.0	0.0	0.0	344	1.5	0.0	0.0	0.0	401	3.1	0.0	0.0	0.0
288	2.7	0.0	0.0	0.0	345	1.3	137.3	49.7	31.2	402	2.3	0.0	0.0	0.0
289	2.4	0.0	0.0	0.0	346	1.3	15.9	82.7	49.9	403	2.1	0.0	0.0	0.0
290	2.2	0.0	0.0	0.0	347	2.0	1.4	44.0	26.5	404	2.4	0.0	0.0	0.0
291	2.0	0.0	0.0	0.0	348	3.3	20.6	134.7	81.5	405	2.3	0.0	0.0	0.0
292	2.0	0.0	0.0	0.0	349	4.2	4.4	87.4	53.1	406	2.2	0.0	0.0	0.0
293	2.1	0.0	0.0	0.0	350	4.4	43.8	131.5	95.8	407	2.1	0.0	0.0	0.0
294	1.7	0.0	0.0	0.0	351	4.5	72.1	101.1	103.1	408	1.9	0.0	0.0	0.0
295	1.4	0.0	0.0	0.0	352	4.5	9.0	35.2	27.9	409	1.8	0.0	0.0	0.0
296	1.1	0.0	0.0	0.0	353	4.0	0.0	0.0	0.0	410	1.8	0.0	0.0	0.0
297	0.5	647.3	28.4	23.2	354	3.5	0.0	0.0	0.0	411	1.8	0.0	0.0	0.0
298	0.9	417.3	84.3	59.3	355	3.1	0.0	0.0	0.0	412	2.2	0.0	0.0	0.0
299	1.0	63.6	134.3	82.4	356	2.5	0.0	0.0	0.0	413	2.1	0.0	0.0	0.0
300	1.5	5.5	95.4	57.4	357	2.2	0.0	0.0	0.0	414	1.8	0.0	0.0	0.0
301	2.3	120.9	159.9	114.6	358	2.1	0.0	0.0	0.0	415	1.9	0.0	0.0	0.0
302	2.2	5.6	84.5	52.8	359	2.1	0.0	0.0	0.0	416	2.0	0.0	0.0	0.0
303	2.9	28.7	88.4	69.9	360	2.0	0.0	0.0	0.0	417	2.5	6.9	35.3	21.3
304	3.1	92.1	46.6	96.8	361	1.7	0.0	0.0	0.0	418	3.4	2.2	41.2	24.8
305	2.2	0.0	0.0	0.0	362	1.4	0.0	0.0	0.0	419	4.2	1.2	41.3	24.8
306	1.8	0.0	0.0	0.0	363	1.1	0.0	0.0	0.0	420	4.4	0.5	30.4	18.2
307	1.6	0.0	0.0	0.0	364	1.1	0.0	0.0	0.0	421	4.7	5.3	98.2	59.7
308	1.3	0.0	0.0	0.0	365	1.5	0.0	0.0	0.0	422	5.4	5.4	87.2	54.4
309	1.3	0.0	0.0	0.0	366	2.0	0.0	0.0	0.0	423	5.7	27.3	93.8	72.5
310	1.3	0.0	0.0	0.0	367	1.8	0.0	0.0	0.0	424	5.9	1.9	19.2	13.0
311	1.1	0.0	0.0	0.0	368	2.2	0.0	0.0	0.0	425	6.2	0.0	0.0	0.0
312	1.0	0.0	0.0	0.0	369	2.5	63.1	48.9	30.0	426	6.3	0.0	0.0	0.0
313	0.7	0.0	0.0	0.0	370	3.0	406.2	88.7	62.0	427	6.5	0.0	0.0	0.0
314	0.6	0.0	0.0	0.0	371	3.6	1.6	46.8	28.1	428	6.6	0.0	0.0	0.0
315	0.4	0.0	0.0	0.0	372	3.8	87.9	161.7	100.0	429	6.6	0.0	0.0	0.0
316	0.4	0.0	0.0	0.0	373	4.0	291.0	153.6	137.4	430	6.7	0.0	0.0	0.0
317	0.2	0.0	0.0	0.0	374	3.5	0.8	33.1	20.2	431	6.8	0.0	0.0	0.0
318	-0.1	0.0	0.0	0.0	375	2.9	0.4	16.6	10.2	432	6.9	0.0	0.0	0.0
319	-0.3	0.0	0.0	0.0	376	2.6	3.6	24.6	17.4	433	6.9	0.0	0.0	0.0

434	6.9	0.0	0.0	0.0	491	6.5	688.4	85.2	72.6	548	4.5	0.0	0.0	0.0
435	6.9	0.0	0.0	0.0	492	7.6	783.4	80.8	76.2	549	4.6	0.0	0.0	0.0
436	6.7	0.0	0.0	0.0	493	8.0	591.4	113.3	161.4	550	4.6	0.0	0.0	0.0
437	6.4	0.0	0.0	0.0	494	8.8	568.3	103.7	284.1	551	4.7	0.0	0.0	0.0
438	6.2	0.0	0.0	0.0	495	9.0	120.7	113.3	139.7	552	4.8	0.0	0.0	0.0
439	6.2	0.0	0.0	0.0	496	8.1	24.8	49.8	48.6	553	4.9	0.0	0.0	0.0
440	6.2	0.0	0.0	0.0	497	7.1	0.0	0.0	0.0	554	4.9	0.0	0.0	0.0
441	6.1	6.4	35.4	21.3	498	5.8	0.0	0.0	0.0	555	4.9	0.0	0.0	0.0
442	5.6	5.0	62.8	37.8	499	5.2	0.0	0.0	0.0	556	4.8	0.0	0.0	0.0
443	5.4	197.8	147.2	94.4	500	5.1	0.0	0.0	0.0	557	4.2	0.0	0.0	0.0
444	5.8	0.7	35.9	21.5	501	4.5	0.0	0.0	0.0	558	4.4	0.0	0.0	0.0
445	5.8	3.4	79.4	48.2	502	3.8	0.0	0.0	0.0	559	4.9	0.0	0.0	0.0
446	5.7	3.2	68.5	42.3	503	3.3	0.0	0.0	0.0	560	5.8	0.0	0.0	0.0
447	5.6	1.1	30.3	18.9	504	3.1	0.0	0.0	0.0	561	6.7	0.5	11.1	6.6
448	5.5	0.3	8.3	5.2	505	3.0	0.0	0.0	0.0	562	6.8	48.3	110.3	67.4
449	4.9	0.0	0.0	0.0	506	3.0	0.0	0.0	0.0	563	7.6	42.5	144.4	88.0
450	3.9	0.0	0.0	0.0	507	3.0	0.0	0.0	0.0	564	8.4	6.1	111.7	67.2
451	3.6	0.0	0.0	0.0	508	3.0	0.0	0.0	0.0	565	8.6	128.0	177.8	127.1
452	3.3	0.0	0.0	0.0	509	2.6	0.0	0.0	0.0	566	8.5	29.4	137.6	94.1
453	3.3	0.0	0.0	0.0	510	2.2	0.0	0.0	0.0	567	7.8	17.6	95.7	67.9
454	3.6	0.0	0.0	0.0	511	2.3	0.0	0.0	0.0	568	6.8	65.2	60.9	86.1
455	3.7	0.0	0.0	0.0	512	2.9	0.0	0.0	0.0	569	6.3	0.0	0.0	0.0
456	3.5	0.0	0.0	0.0	513	3.2	559.0	41.4	31.6	570	6.0	0.0	0.0	0.0
457	3.1	0.0	0.0	0.0	514	3.8	55.9	108.9	66.6	571	5.4	0.0	0.0	0.0
458	2.9	0.0	0.0	0.0	515	5.1	261.3	147.0	96.5	572	5.1	0.0	0.0	0.0
459	2.8	0.0	0.0	0.0	516	6.0	930.4	66.4	73.1	573	4.9	0.0	0.0	0.0
460	2.7	0.0	0.0	0.0	517	6.4	937.0	66.8	188.5	574	4.7	0.0	0.0	0.0
461	3.1	0.0	0.0	0.0	518	6.4	417.6	127.6	239.9	575	4.8	0.0	0.0	0.0
462	3.5	0.0	0.0	0.0	519	5.4	213.2	112.9	194.8	576	4.9	0.0	0.0	0.0
463	3.6	0.0	0.0	0.0	520	4.4	689.5	33.5	542.6	577	5.1	0.0	0.0	0.0
464	3.6	0.0	0.0	0.0	521	3.4	0.0	0.0	0.0	578	5.2	0.0	0.0	0.0
465	3.4	0.9	13.8	8.3	522	1.9	0.0	0.0	0.0	579	5.2	0.0	0.0	0.0
466	3.0	11.5	83.4	50.3	523	1.1	0.0	0.0	0.0	580	5.8	0.0	0.0	0.0
467	3.0	3.7	73.9	44.4	524	0.7	0.0	0.0	0.0	581	5.8	0.0	0.0	0.0
468	3.7	1.3	49.6	29.8	525	0.0	0.0	0.0	0.0	582	5.0	0.0	0.0	0.0
469	4.4	7.9	116.7	71.2	526	-0.4	0.0	0.0	0.0	583	4.4	0.0	0.0	0.0
470	4.7	1.1	41.3	25.2	527	-0.8	0.0	0.0	0.0	584	3.5	0.0	0.0	0.0
471	4.8	0.9	27.6	17.1	528	-1.4	0.0	0.0	0.0	585	2.7	6.1	40.9	24.6
472	4.7	3.5	27.4	19.1	529	-1.8	0.0	0.0	0.0	586	3.0	350.5	106.8	72.7
473	4.3	0.0	0.0	0.0	530	-2.2	0.0	0.0	0.0	587	3.4	40.1	145.1	88.3
474	4.1	0.0	0.0	0.0	531	-2.4	0.0	0.0	0.0	588	3.3	0.6	35.9	21.6
475	4.0	0.0	0.0	0.0	532	-2.4	0.0	0.0	0.0	589	3.3	308.2	165.5	148.6
476	3.9	0.0	0.0	0.0	533	-2.1	0.0	0.0	0.0	590	3.9	653.7	94.6	314.2
477	3.8	0.0	0.0	0.0	534	-1.7	0.0	0.0	0.0	591	4.7	39.9	109.5	89.6
478	3.6	0.0	0.0	0.0	535	-1.5	0.0	0.0	0.0	592	5.0	11.4	48.5	37.7
479	3.4	0.0	0.0	0.0	536	-1.0	0.0	0.0	0.0	593	4.9	0.0	0.0	0.0
480	3.3	0.0	0.0	0.0	537	-0.3	1.9	22.0	13.2	594	4.8	0.0	0.0	0.0
481	3.1	0.0	0.0	0.0	538	0.6	1.6	38.5	23.1	595	4.5	0.0	0.0	0.0
482	3.0	0.0	0.0	0.0	539	1.3	3.7	76.6	46.1	596	4.2	0.0	0.0	0.0
483	2.9	0.0	0.0	0.0	540	1.9	3.5	84.8	51.0	597	4.0	0.0	0.0	0.0
484	2.6	0.0	0.0	0.0	541	2.6	4.3	92.9	56.4	598	3.6	0.0	0.0	0.0
485	3.1	0.0	0.0	0.0	542	3.1	2.1	57.7	35.4	599	3.4	0.0	0.0	0.0
486	3.7	0.0	0.0	0.0	543	3.7	1.6	38.5	24.1	600	3.1	0.0	0.0	0.0
487	3.8	0.0	0.0	0.0	544	4.2	3.0	27.4	18.7	601	2.6	0.0	0.0	0.0
488	4.2	0.0	0.0	0.0	545	4.3	0.0	0.0	0.0	602	2.2	0.0	0.0	0.0
489	4.3	517.7	42.8	31.7	546	4.4	0.0	0.0	0.0	603	1.9	0.0	0.0	0.0
490	5.1	392.0	96.6	67.0	547	4.4	0.0	0.0	0.0	604	1.7	0.0	0.0	0.0

605	2.2	0.0	0.0	0.0	662	3.7	4.8	92.8	57.6	719	-3.7	0.0	0.0	0.0
606	2.8	0.0	0.0	0.0	663	3.9	6.0	79.0	51.0	720	-3.7	0.0	0.0	0.0
607	3.7	0.0	0.0	0.0	664	3.9	3.3	32.9	22.2	721	-3.6	0.0	0.0	0.0
608	4.3	0.0	0.0	0.0	665	3.7	0.0	0.0	0.0	722	-3.5	0.0	0.0	0.0
609	4.1	181.7	66.4	42.3	666	3.7	0.0	0.0	0.0	723	-3.4	0.0	0.0	0.0
610	4.0	131.4	122.2	76.6	667	3.5	0.0	0.0	0.0	724	-3.2	0.0	0.0	0.0
611	4.7	312.3	148.1	99.2	668	3.0	0.0	0.0	0.0	725	-3.0	0.0	0.0	0.0
612	5.9	1.4	55.0	33.1	669	2.7	0.0	0.0	0.0	726	-2.6	0.0	0.0	0.0
613	6.5	446.6	145.4	159.0	670	2.5	0.0	0.0	0.0	727	-2.1	0.0	0.0	0.0
614	6.5	0.5	30.4	18.4	671	2.3	0.0	0.0	0.0	728	-2.3	0.0	0.0	0.0
615	6.7	165.3	121.9	172.4	672	2.0	0.0	0.0	0.0	729	-2.1	45.9	70.5	43.0
616	7.2	5.7	40.9	28.9	673	1.8	0.0	0.0	0.0	730	-0.8	231.4	128.2	83.1
617	7.6	0.0	0.0	0.0	674	1.6	0.0	0.0	0.0	731	0.3	856.5	69.8	71.9
618	7.7	0.0	0.0	0.0	675	1.4	0.0	0.0	0.0	732	1.2	989.0	77.9	85.5
619	7.8	0.0	0.0	0.0	676	1.8	0.0	0.0	0.0	733	1.7	603.2	123.4	172.7
620	7.7	0.0	0.0	0.0	677	1.6	0.0	0.0	0.0	734	1.6	571.6	115.8	297.7
621	7.8	0.0	0.0	0.0	678	1.4	0.0	0.0	0.0	735	1.6	560.5	90.7	394.2
622	7.9	0.0	0.0	0.0	679	1.5	0.0	0.0	0.0	736	1.8	189.5	75.5	191.3
623	7.6	0.0	0.0	0.0	680	0.7	0.0	0.0	0.0	737	1.8	0.0	0.0	0.0
624	7.2	0.0	0.0	0.0	681	0.2	7.5	48.9	29.4	738	1.5	0.0	0.0	0.0
625	6.7	0.0	0.0	0.0	682	0.2	0.5	22.1	13.3	739	1.2	0.0	0.0	0.0
626	6.3	0.0	0.0	0.0	683	0.6	70.3	161.7	99.4	740	0.6	0.0	0.0	0.0
627	6.0	0.0	0.0	0.0	684	1.2	0.6	35.9	21.6	741	0.0	0.0	0.0	0.0
628	5.3	0.0	0.0	0.0	685	1.3	6.4	119.7	72.9	742	0.1	0.0	0.0	0.0
629	4.5	0.0	0.0	0.0	686	0.9	2.0	60.4	37.0	743	-0.1	0.0	0.0	0.0
630	4.8	0.0	0.0	0.0	687	0.7	4.4	68.3	43.6	744	-0.5	0.0	0.0	0.0
631	4.9	0.0	0.0	0.0	688	1.0	288.5	67.7	262.0	745	-0.9	0.0	0.0	0.0
632	4.2	0.0	0.0	0.0	689	1.5	0.0	0.0	0.0	746	-1.2	0.0	0.0	0.0
633	4.0	2.4	27.4	16.5	690	2.1	0.0	0.0	0.0	747	-1.5	0.0	0.0	0.0
634	3.8	6.9	81.6	49.1	691	2.0	0.0	0.0	0.0	748	-1.6	0.0	0.0	0.0
635	4.1	2.9	71.2	42.8	692	1.5	0.0	0.0	0.0	749	-1.2	0.0	0.0	0.0
636	4.3	12.7	139.6	84.2	693	1.1	0.0	0.0	0.0	750	-0.8	0.0	0.0	0.0
637	4.1	1.5	57.8	34.9	694	1.1	0.0	0.0	0.0	751	-0.7	0.0	0.0	0.0
638	4.5	4.4	87.4	54.2	695	0.8	0.0	0.0	0.0	752	-0.5	0.5	2.8	1.7
639	4.8	79.4	121.2	120.5	696	0.4	0.0	0.0	0.0	753	0.1	2.3	30.2	18.1
640	4.2	7.4	46.2	33.4	697	0.2	0.0	0.0	0.0	754	0.6	1.1	35.8	21.5
641	3.2	0.0	0.0	0.0	698	0.1	0.0	0.0	0.0	755	1.0	2.8	74.0	44.5
642	3.0	0.0	0.0	0.0	699	-0.1	0.0	0.0	0.0	756	2.0	3.1	87.6	52.7
643	2.6	0.0	0.0	0.0	700	-0.2	0.0	0.0	0.0	757	2.7	0.7	41.4	24.9
644	2.0	0.0	0.0	0.0	701	-0.5	0.0	0.0	0.0	758	2.8	36.9	156.1	108.5
645	1.8	0.0	0.0	0.0	702	-1.5	0.0	0.0	0.0	759	3.2	2.1	49.4	30.9
646	1.8	0.0	0.0	0.0	703	-2.3	0.0	0.0	0.0	760	3.4	0.9	19.3	12.3
647	1.7	0.0	0.0	0.0	704	-2.7	0.0	0.0	0.0	761	3.4	10.4	10.8	15.6
648	1.7	0.0	0.0	0.0	705	-3.3	61.9	71.0	43.5	762	3.6	0.0	0.0	0.0
649	1.6	0.0	0.0	0.0	706	-4.0	324.0	118.0	79.4	763	3.6	0.0	0.0	0.0
650	1.5	0.0	0.0	0.0	707	-4.2	700.7	92.3	79.6	764	3.7	0.0	0.0	0.0
651	1.4	0.0	0.0	0.0	708	-3.8	10.1	137.7	83.0	765	3.9	0.0	0.0	0.0
652	1.8	0.0	0.0	0.0	709	-3.2	220.4	185.3	147.1	766	4.2	0.0	0.0	0.0
653	1.3	0.0	0.0	0.0	710	-2.7	306.3	156.1	215.7	767	4.4	0.0	0.0	0.0
654	0.9	0.0	0.0	0.0	711	-2.3	6.7	84.3	54.6	768	4.6	0.0	0.0	0.0
655	1.1	0.0	0.0	0.0	712	-2.3	6.0	46.3	32.4	769	4.8	0.0	0.0	0.0
656	0.5	0.0	0.0	0.0	713	-2.6	0.0	0.0	0.0	770	4.9	0.0	0.0	0.0
657	0.3	0.4	11.1	6.6	714	-2.7	0.0	0.0	0.0	771	4.9	0.0	0.0	0.0
658	0.7	4.1	65.6	39.5	715	-2.7	0.0	0.0	0.0	772	4.8	0.0	0.0	0.0
659	1.6	0.5	30.4	18.2	716	-2.9	0.0	0.0	0.0	773	5.6	0.0	0.0	0.0
660	1.8	4.3	98.4	59.2	717	-3.3	0.0	0.0	0.0	774	6.1	0.0	0.0	0.0
661	2.5	0.6	35.9	21.6	718	-3.6	0.0	0.0	0.0	775	5.7	0.0	0.0	0.0

776	6.5	765.2	7.8	6.0	833	7.0	94.6	18.5	95.1	890	8.8	0.0	0.0	0.0
777	6.7	42.4	73.5	44.8	834	6.7	0.0	0.0	0.0	891	8.6	0.0	0.0	0.0
778	6.4	24.1	115.4	69.9	835	6.5	0.0	0.0	0.0	892	8.5	0.0	0.0	0.0
779	6.8	167.3	175.0	111.0	836	6.3	0.0	0.0	0.0	893	8.8	0.0	0.0	0.0
780	8.2	132.5	196.0	122.9	837	6.1	0.0	0.0	0.0	894	8.7	0.0	0.0	0.0
781	9.1	192.0	193.9	148.0	838	5.9	0.0	0.0	0.0	895	8.0	0.0	0.0	0.0
782	8.8	121.0	175.3	153.7	839	5.6	0.0	0.0	0.0	896	8.1	8.4	16.3	9.8
783	8.7	24.1	115.4	83.9	840	5.6	0.0	0.0	0.0	897	8.6	32.0	80.1	48.6
784	8.8	79.8	78.4	108.7	841	5.7	0.0	0.0	0.0	898	9.1	34.6	131.1	79.7
785	9.2	7.6	10.9	13.2	842	5.9	0.0	0.0	0.0	899	9.7	2.0	68.7	41.3
786	9.3	0.0	0.0	0.0	843	5.9	0.0	0.0	0.0	900	10.4	495.3	155.7	114.4
787	8.5	0.0	0.0	0.0	844	5.7	0.0	0.0	0.0	901	11.1	377.6	178.7	170.6
788	7.7	0.0	0.0	0.0	845	5.1	0.0	0.0	0.0	902	11.1	102.5	185.2	152.7
789	7.9	0.0	0.0	0.0	846	4.9	0.0	0.0	0.0	903	10.9	631.6	90.1	442.7
790	8.5	0.0	0.0	0.0	847	5.2	0.0	0.0	0.0	904	10.5	5.0	51.8	35.0
791	8.9	0.0	0.0	0.0	848	5.2	1.1	5.5	3.3	905	10.5	5.2	13.6	12.8
792	8.7	0.0	0.0	0.0	849	5.7	34.6	77.1	46.9	906	11.1	0.0	0.0	0.0
793	8.3	0.0	0.0	0.0	850	6.6	264.1	135.6	89.0	907	11.2	0.0	0.0	0.0
794	8.0	0.0	0.0	0.0	851	7.5	53.5	171.4	104.8	908	11.0	0.0	0.0	0.0
795	7.8	0.0	0.0	0.0	852	8.6	145.3	202.6	127.6	909	10.7	0.0	0.0	0.0
796	7.1	0.0	0.0	0.0	853	9.2	5.9	125.3	76.2	910	10.3	0.0	0.0	0.0
797	7.1	0.0	0.0	0.0	854	9.7	15.7	144.0	92.8	911	10.1	0.0	0.0	0.0
798	7.2	0.0	0.0	0.0	855	9.8	3.8	71.1	45.0	912	10.0	0.0	0.0	0.0
799	6.6	0.0	0.0	0.0	856	9.5	1.2	24.8	15.8	913	9.6	0.0	0.0	0.0
800	6.4	222.4	17.0	10.6	857	9.2	15.6	16.0	23.5	914	8.8	0.0	0.0	0.0
801	6.5	136.2	82.3	51.6	858	9.1	0.0	0.0	0.0	915	8.1	0.0	0.0	0.0
802	6.5	5.4	81.8	49.2	859	9.6	0.0	0.0	0.0	916	7.7	0.0	0.0	0.0
803	6.8	727.4	92.1	81.6	860	9.6	0.0	0.0	0.0	917	7.5	0.0	0.0	0.0
804	7.9	405.6	166.1	116.1	861	8.7	0.0	0.0	0.0	918	7.4	0.0	0.0	0.0
805	8.3	97.0	196.1	133.7	862	8.0	0.0	0.0	0.0	919	7.3	0.0	0.0	0.0
806	8.2	108.0	176.7	149.5	863	7.6	0.0	0.0	0.0	920	6.5	11.7	18.8	11.3
807	8.8	519.8	100.6	377.5	864	7.4	0.0	0.0	0.0	921	5.8	4.3	49.2	29.6
808	8.8	106.6	81.8	131.7	865	7.2	0.0	0.0	0.0	922	5.4	5.2	87.3	52.5
809	7.7	33.6	15.5	39.1	866	7.0	0.0	0.0	0.0	923	5.2	3.7	93.0	55.9
810	7.1	0.0	0.0	0.0	867	6.8	0.0	0.0	0.0	924	5.4	11.4	156.1	94.2
811	6.8	0.0	0.0	0.0	868	6.6	0.0	0.0	0.0	925	5.6	2.8	90.4	54.7
812	6.1	0.0	0.0	0.0	869	6.3	0.0	0.0	0.0	926	5.4	76.3	183.9	141.4
813	5.4	0.0	0.0	0.0	870	6.2	0.0	0.0	0.0	927	4.9	1.2	41.3	25.5
814	4.6	0.0	0.0	0.0	871	6.7	0.0	0.0	0.0	928	4.0	3.0	41.1	27.0
815	3.6	0.0	0.0	0.0	872	7.2	6.0	13.6	8.2	929	3.0	2.9	11.0	9.2
816	3.0	0.0	0.0	0.0	873	7.4	0.4	13.8	8.3	930	2.4	0.0	0.0	0.0
817	2.7	0.0	0.0	0.0	874	7.7	3.4	68.4	41.2	931	2.0	0.0	0.0	0.0
818	2.4	0.0	0.0	0.0	875	8.7	54.1	173.7	106.2	932	1.7	0.0	0.0	0.0
819	2.1	0.0	0.0	0.0	876	10.0	87.7	201.5	124.6	933	1.4	0.0	0.0	0.0
820	2.0	0.0	0.0	0.0	877	11.1	27.5	177.2	110.9	934	1.0	0.0	0.0	0.0
821	2.1	0.0	0.0	0.0	878	11.6	5.4	109.1	67.6	935	0.6	0.0	0.0	0.0
822	2.2	0.0	0.0	0.0	879	12.0	64.8	138.8	123.1	936	0.3	0.0	0.0	0.0
823	2.7	0.0	0.0	0.0	880	12.3	97.4	87.6	128.5	937	0.0	0.0	0.0	0.0
824	3.3	764.0	9.1	7.4	881	11.9	6.0	13.6	13.5	938	-0.2	0.0	0.0	0.0
825	3.6	404.0	70.8	49.2	882	11.3	0.0	0.0	0.0	939	-0.4	0.0	0.0	0.0
826	4.2	623.9	87.3	70.1	883	11.1	0.0	0.0	0.0	940	-0.7	0.0	0.0	0.0
827	5.3	342.5	160.6	108.9	884	10.8	0.0	0.0	0.0	941	-0.8	0.0	0.0	0.0
828	6.9	577.6	134.1	104.1	885	10.1	0.0	0.0	0.0	942	-0.6	0.0	0.0	0.0
829	7.7	668.8	115.5	180.3	886	9.6	0.0	0.0	0.0	943	-0.4	0.0	0.0	0.0
830	7.5	574.8	120.9	304.3	887	9.4	0.0	0.0	0.0	944	-0.1	15.9	21.3	12.9
831	7.3	325.1	127.3	275.2	888	9.2	0.0	0.0	0.0	945	0.2	69.5	91.8	56.4
832	7.3	208.5	82.9	211.6	889	8.9	0.0	0.0	0.0	946	0.5	5.4	90.0	54.1

947	1.1	59.3	181.9	111.5	1004	5.7	0.0	0.0	0.0	1061	4.9	0.0	0.0	0.0
948	1.8	317.0	193.4	129.7	1005	5.6	0.0	0.0	0.0	1062	3.6	0.0	0.0	0.0
949	2.4	580.7	140.8	182.7	1006	5.5	0.0	0.0	0.0	1063	3.7	0.0	0.0	0.0
950	2.8	39.0	173.4	119.9	1007	5.5	0.0	0.0	0.0	1064	3.4	4.1	19.1	11.5
951	3.1	0.4	24.9	15.2	1008	5.4	0.0	0.0	0.0	1065	3.1	1.0	27.6	16.6
952	3.5	9.2	67.6	47.8	1009	5.2	0.0	0.0	0.0	1066	3.8	186.7	161.5	103.1
953	3.5	5.7	16.4	14.9	1010	5.1	0.0	0.0	0.0	1067	4.9	306.0	187.0	124.8
954	3.0	0.0	0.0	0.0	1011	5.0	0.0	0.0	0.0	1068	5.9	30.9	196.7	119.4
955	2.7	0.0	0.0	0.0	1012	4.8	0.0	0.0	0.0	1069	5.8	943.3	87.1	215.0
956	2.6	0.0	0.0	0.0	1013	5.1	0.0	0.0	0.0	1070	5.9	64.7	194.8	143.6
957	2.4	0.0	0.0	0.0	1014	6.2	0.0	0.0	0.0	1071	5.9	1.9	57.7	35.8
958	2.3	0.0	0.0	0.0	1015	6.9	0.0	0.0	0.0	1072	4.7	9.2	75.7	52.8
959	2.2	0.0	0.0	0.0	1016	7.3	18.2	26.5	16.0	1073	3.4	15.9	29.3	32.0
960	2.0	0.0	0.0	0.0	1017	8.3	1.6	33.0	19.8	1074	2.4	0.0	0.0	0.0
961	1.9	0.0	0.0	0.0	1018	9.3	1.5	49.5	29.8	1075	1.9	0.0	0.0	0.0
962	2.0	0.0	0.0	0.0	1019	10.2	4.9	111.9	67.3	1076	1.2	0.0	0.0	0.0
963	2.0	0.0	0.0	0.0	1020	10.4	582.6	145.0	113.0	1077	0.4	0.0	0.0	0.0
964	2.0	0.0	0.0	0.0	1021	10.1	129.2	218.8	153.4	1078	0.1	0.0	0.0	0.0
965	2.2	0.0	0.0	0.0	1022	9.9	37.6	178.9	122.8	1079	-0.2	0.0	0.0	0.0
966	2.2	0.0	0.0	0.0	1023	9.9	533.4	112.7	399.4	1080	-0.7	0.0	0.0	0.0
967	2.2	0.0	0.0	0.0	1024	10.2	111.6	101.3	148.8	1081	-0.9	0.0	0.0	0.0
968	2.1	2.2	11.0	6.6	1025	10.3	11.1	24.2	24.6	1082	-0.9	0.0	0.0	0.0
969	2.1	215.3	95.2	61.3	1026	10.2	0.0	0.0	0.0	1083	-1.0	0.0	0.0	0.0
970	2.4	435.8	124.3	88.1	1027	10.1	0.0	0.0	0.0	1084	-0.9	0.0	0.0	0.0
971	2.7	23.0	162.9	98.7	1028	10.2	0.0	0.0	0.0	1085	-0.3	0.0	0.0	0.0
972	3.5	113.2	213.3	133.0	1029	9.9	0.0	0.0	0.0	1086	0.6	0.0	0.0	0.0
973	4.2	12.0	161.3	98.8	1030	9.6	0.0	0.0	0.0	1087	1.4	0.0	0.0	0.0
974	4.9	16.5	154.4	99.4	1031	9.3	0.0	0.0	0.0	1088	1.6	18.3	31.8	19.2
975	5.9	22.5	128.9	91.3	1032	9.0	0.0	0.0	0.0	1089	1.4	4.2	57.4	34.5
976	6.2	1.7	33.0	21.1	1033	8.8	0.0	0.0	0.0	1090	1.3	59.3	157.3	96.4
977	5.9	11.8	21.5	23.5	1034	8.5	0.0	0.0	0.0	1091	1.5	6.6	133.3	80.2
978	5.4	0.0	0.0	0.0	1035	8.1	0.0	0.0	0.0	1092	2.1	11.7	169.5	102.2
979	5.7	0.0	0.0	0.0	1036	8.3	0.0	0.0	0.0	1093	3.4	116.5	225.5	155.5
980	6.4	0.0	0.0	0.0	1037	7.4	0.0	0.0	0.0	1094	4.4	312.5	188.1	242.3
981	6.2	0.0	0.0	0.0	1038	7.0	0.0	0.0	0.0	1095	4.8	0.6	33.1	20.3
982	5.7	0.0	0.0	0.0	1039	7.4	0.0	0.0	0.0	1096	4.8	91.1	107.1	136.6
983	5.6	0.0	0.0	0.0	1040	6.6	0.4	5.5	3.3	1097	4.2	0.3	5.5	3.6
984	5.6	0.0	0.0	0.0	1041	6.1	29.4	90.8	55.1	1098	3.8	0.0	0.0	0.0
985	5.5	0.0	0.0	0.0	1042	5.6	29.3	140.2	85.1	1099	3.7	0.0	0.0	0.0
986	5.6	0.0	0.0	0.0	1043	6.0	86.5	197.1	121.8	1100	3.3	0.0	0.0	0.0
987	5.8	0.0	0.0	0.0	1044	7.1	1.8	76.9	46.2	1101	3.4	0.0	0.0	0.0
988	5.3	0.0	0.0	0.0	1045	7.6	5.3	130.9	79.4	1102	3.7	0.0	0.0	0.0
989	5.3	0.0	0.0	0.0	1046	7.8	26.3	172.3	114.2	1103	3.5	0.0	0.0	0.0
990	5.8	0.0	0.0	0.0	1047	7.9	188.4	159.1	212.9	1104	3.0	0.0	0.0	0.0
991	5.3	0.0	0.0	0.0	1048	7.6	3.0	46.6	30.3	1105	2.9	0.0	0.0	0.0
992	4.6	3.0	13.7	8.2	1049	6.9	8.7	24.4	22.4	1106	3.1	0.0	0.0	0.0
993	4.8	3.7	49.2	29.6	1050	6.4	0.0	0.0	0.0	1107	3.3	0.0	0.0	0.0
994	4.7	18.8	127.2	76.9	1051	6.5	0.0	0.0	0.0	1108	3.0	0.0	0.0	0.0
995	4.4	2.2	74.1	44.6	1052	6.5	0.0	0.0	0.0	1109	3.1	0.0	0.0	0.0
996	4.8	1.5	68.8	41.3	1053	6.3	0.0	0.0	0.0	1110	3.3	0.0	0.0	0.0
997	5.7	5.1	125.5	76.2	1054	6.1	0.0	0.0	0.0	1111	2.4	0.0	0.0	0.0
998	6.8	200.5	193.1	198.1	1055	5.8	0.0	0.0	0.0	1112	2.2	5.3	24.5	14.8
999	7.3	40.9	142.3	110.7	1056	5.6	0.0	0.0	0.0	1113	2.6	9.0	78.5	47.3
1000	6.9	1.7	33.0	21.1	1057	5.6	0.0	0.0	0.0	1114	2.8	12.0	126.3	76.2
1001	6.6	14.9	24.1	27.8	1058	5.4	0.0	0.0	0.0	1115	3.2	3.8	103.9	62.5
1002	6.5	0.0	0.0	0.0	1059	5.2	0.0	0.0	0.0	1116	3.7	5.4	136.3	82.0
1003	6.0	0.0	0.0	0.0	1060	5.5	0.0	0.0	0.0	1117	4.1	8.6	159.8	97.4

1118	4.2	5.8	128.0	79.2	1175	2.2	0.0	0.0	0.0	1232	2.1	17.0	42.6	25.7
1119	4.1	4.4	90.1	56.8	1176	1.8	0.0	0.0	0.0	1233	2.5	3.6	60.2	36.2
1120	3.7	0.8	24.8	15.5	1177	1.6	0.0	0.0	0.0	1234	3.1	1.7	60.5	36.3
1121	3.3	2.4	16.5	12.0	1178	1.5	0.0	0.0	0.0	1235	3.8	2.1	82.4	49.5
1122	3.0	0.0	0.0	0.0	1179	1.5	0.0	0.0	0.0	1236	4.7	1.5	77.0	46.3
1123	2.8	0.0	0.0	0.0	1180	1.5	0.0	0.0	0.0	1237	4.8	35.1	215.6	135.6
1124	2.6	0.0	0.0	0.0	1181	2.1	0.0	0.0	0.0	1238	4.6	16.5	175.7	112.4
1125	2.3	0.0	0.0	0.0	1182	2.8	0.0	0.0	0.0	1239	4.8	52.7	169.0	134.8
1126	2.0	0.0	0.0	0.0	1183	2.9	0.0	0.0	0.0	1240	5.2	5.1	70.9	46.6
1127	1.7	0.0	0.0	0.0	1184	3.0	1.7	16.5	9.9	1241	5.2	0.6	11.0	7.2
1128	1.4	0.0	0.0	0.0	1185	3.1	1.6	38.5	23.1	1242	4.8	0.0	0.0	0.0
1129	1.1	0.0	0.0	0.0	1186	3.3	2.9	76.7	46.1	1243	4.7	0.0	0.0	0.0
1130	1.0	0.0	0.0	0.0	1187	3.7	1.9	76.9	46.2	1244	4.5	0.0	0.0	0.0
1131	0.9	0.0	0.0	0.0	1188	3.8	3.6	114.9	69.1	1245	4.2	0.0	0.0	0.0
1132	0.6	0.0	0.0	0.0	1189	3.9	4.9	133.7	81.1	1246	3.9	0.0	0.0	0.0
1133	0.8	0.0	0.0	0.0	1190	4.0	2.5	87.8	53.7	1247	3.7	0.0	0.0	0.0
1134	0.8	0.0	0.0	0.0	1191	4.0	4.3	92.9	58.4	1248	3.5	0.0	0.0	0.0
1135	0.6	0.0	0.0	0.0	1192	4.1	1.4	35.8	22.6	1249	3.3	0.0	0.0	0.0
1136	1.3	22.8	36.8	22.3	1193	4.4	0.2	5.5	3.5	1250	3.2	0.0	0.0	0.0
1137	2.0	4.7	62.8	37.8	1194	4.3	0.0	0.0	0.0	1251	3.0	0.0	0.0	0.0
1138	2.7	13.6	131.3	79.2	1195	4.1	0.0	0.0	0.0	1252	2.7	0.0	0.0	0.0
1139	3.7	6.9	138.6	83.5	1196	4.1	0.0	0.0	0.0	1253	2.8	0.0	0.0	0.0
1140	4.9	4.5	125.6	75.6	1197	4.1	0.0	0.0	0.0	1254	3.2	0.0	0.0	0.0
1141	5.6	43.4	212.4	135.0	1198	4.0	0.0	0.0	0.0	1255	3.6	0.0	0.0	0.0
1142	5.7	4.5	114.7	70.7	1199	4.0	0.0	0.0	0.0	1256	4.0	32.2	49.0	29.8
1143	5.9	4.0	87.5	55.0	1200	4.0	0.0	0.0	0.0	1257	4.1	1.4	38.5	23.1
1144	5.8	1.5	35.8	22.6	1201	4.0	0.0	0.0	0.0	1258	4.6	1.2	52.3	31.4
1145	5.4	15.8	34.7	35.1	1202	3.9	0.0	0.0	0.0	1259	5.5	16.8	178.3	107.7
1146	5.5	0.0	0.0	0.0	1203	3.9	0.0	0.0	0.0	1260	6.5	39.8	221.4	134.8
1147	5.8	0.0	0.0	0.0	1204	3.8	0.0	0.0	0.0	1261	7.3	44.5	224.5	142.6
1148	5.7	0.0	0.0	0.0	1205	3.9	0.0	0.0	0.0	1262	7.9	11.7	166.8	105.0
1149	5.2	0.0	0.0	0.0	1206	3.7	0.0	0.0	0.0	1263	8.3	3.5	87.6	54.8
1150	4.9	0.0	0.0	0.0	1207	3.1	0.0	0.0	0.0	1264	8.3	3.5	60.2	38.9
1151	4.7	0.0	0.0	0.0	1208	3.1	8.3	35.2	21.2	1265	8.0	3.7	27.4	19.8
1152	4.5	0.0	0.0	0.0	1209	3.6	6.8	78.8	47.5	1266	7.4	0.0	0.0	0.0
1153	4.3	0.0	0.0	0.0	1210	4.2	2.8	76.7	46.1	1267	6.9	0.0	0.0	0.0
1154	4.1	0.0	0.0	0.0	1211	4.7	5.7	133.5	80.4	1268	6.4	0.0	0.0	0.0
1155	3.9	0.0	0.0	0.0	1212	5.0	2.6	98.7	59.4	1269	6.1	0.0	0.0	0.0
1156	3.7	0.0	0.0	0.0	1213	5.4	1.9	85.2	51.4	1270	5.8	0.0	0.0	0.0
1157	3.5	0.0	0.0	0.0	1214	5.8	3.8	109.4	67.2	1271	5.6	0.0	0.0	0.0
1158	3.0	0.0	0.0	0.0	1215	6.0	8.7	124.6	80.2	1272	5.4	0.0	0.0	0.0
1159	2.1	0.0	0.0	0.0	1216	5.5	9.6	86.5	59.5	1273	5.2	0.0	0.0	0.0
1160	1.9	1.9	16.5	9.9	1217	5.2	50.3	47.4	74.5	1274	5.1	0.0	0.0	0.0
1161	2.5	48.5	107.7	65.8	1218	5.0	0.0	0.0	0.0	1275	4.9	0.0	0.0	0.0
1162	3.7	12.8	131.5	79.3	1219	4.7	0.0	0.0	0.0	1276	4.6	0.0	0.0	0.0
1163	4.9	77.2	207.3	127.7	1220	4.3	0.0	0.0	0.0	1277	4.2	0.0	0.0	0.0
1164	5.7	36.5	210.0	127.7	1221	4.0	0.0	0.0	0.0	1278	3.8	0.0	0.0	0.0
1165	5.5	130.7	233.4	162.9	1222	3.7	0.0	0.0	0.0	1279	4.1	0.0	0.0	0.0
1166	5.6	510.7	156.1	306.8	1223	3.4	0.0	0.0	0.0	1280	4.3	4.1	30.1	18.1
1167	6.7	102.9	171.2	167.5	1224	3.1	0.0	0.0	0.0	1281	4.3	20.5	105.6	63.9
1168	6.8	54.3	109.1	108.8	1225	2.8	0.0	0.0	0.0	1282	5.7	140.0	184.7	116.1
1169	5.5	3.4	21.9	16.2	1226	2.5	0.0	0.0	0.0	1283	7.1	453.7	177.7	127.5
1170	4.6	0.0	0.0	0.0	1227	2.3	0.0	0.0	0.0	1284	8.4	5.3	144.5	87.0
1171	4.2	0.0	0.0	0.0	1228	2.0	0.0	0.0	0.0	1285	9.7	15.7	194.7	119.6
1172	3.6	0.0	0.0	0.0	1229	1.9	0.0	0.0	0.0	1286	10.4	8.5	157.1	97.8
1173	2.9	0.0	0.0	0.0	1230	1.8	0.0	0.0	0.0	1287	11.0	119.4	184.3	186.5
1174	2.5	0.0	0.0	0.0	1231	1.8	0.0	0.0	0.0	1288	11.1	219.2	124.7	251.4

1289	9.6	54.4	54.5	82.7	1346	1.4	0.0	0.0	0.0	1403	3.0	15.1	186.9	112.9
1290	8.3	0.0	0.0	0.0	1347	1.5	0.0	0.0	0.0	1404	3.7	34.8	231.1	140.5
1291	7.8	0.0	0.0	0.0	1348	1.6	0.0	0.0	0.0	1405	4.0	36.8	232.8	146.4
1292	6.9	0.0	0.0	0.0	1349	1.5	0.0	0.0	0.0	1406	4.1	1.8	82.4	50.2
1293	5.9	0.0	0.0	0.0	1350	1.3	0.0	0.0	0.0	1407	4.6	16.3	157.1	104.8
1294	5.5	0.0	0.0	0.0	1351	1.9	0.0	0.0	0.0	1408	4.9	2.3	54.9	34.8
1295	5.3	0.0	0.0	0.0	1352	2.4	37.9	58.7	35.7	1409	4.9	2.3	27.4	18.6
1296	5.0	0.0	0.0	0.0	1353	2.6	7.1	89.7	54.0	1410	4.9	0.0	0.0	0.0
1297	4.7	0.0	0.0	0.0	1354	3.4	83.8	188.4	116.3	1411	4.8	0.0	0.0	0.0
1298	4.3	0.0	0.0	0.0	1355	4.4	532.5	165.1	124.5	1412	4.6	0.0	0.0	0.0
1299	3.9	0.0	0.0	0.0	1356	5.4	435.8	204.3	145.3	1413	4.5	0.0	0.0	0.0
1300	3.7	0.0	0.0	0.0	1357	6.2	575.6	168.8	205.4	1414	4.3	0.0	0.0	0.0
1301	3.5	0.0	0.0	0.0	1358	6.9	456.4	182.8	303.7	1415	4.2	0.0	0.0	0.0
1302	3.3	0.0	0.0	0.0	1359	7.5	634.8	116.3	475.8	1416	4.1	0.0	0.0	0.0
1303	3.7	0.0	0.0	0.0	1360	7.8	235.1	130.6	268.7	1417	4.0	0.0	0.0	0.0
1304	4.1	118.6	60.0	37.4	1361	7.3	0.4	11.1	7.0	1418	3.9	0.0	0.0	0.0
1305	4.1	336.6	116.5	78.7	1362	6.4	0.0	0.0	0.0	1419	3.8	0.0	0.0	0.0
1306	4.4	337.6	167.5	113.4	1363	5.4	0.0	0.0	0.0	1420	3.5	0.0	0.0	0.0
1307	5.2	89.2	224.1	138.6	1364	4.1	0.0	0.0	0.0	1421	3.3	0.0	0.0	0.0
1308	6.5	252.5	237.9	155.6	1365	3.7	0.0	0.0	0.0	1422	3.2	0.0	0.0	0.0
1309	7.2	694.4	135.5	205.9	1366	3.7	0.0	0.0	0.0	1423	3.6	0.0	0.0	0.0
1310	7.0	938.2	88.5	450.2	1367	3.4	0.0	0.0	0.0	1424	4.6	378.3	62.0	42.5
1311	7.5	326.0	169.3	309.3	1368	3.1	0.0	0.0	0.0	1425	5.7	249.5	136.5	89.1
1312	7.3	41.9	119.1	105.3	1369	3.0	0.0	0.0	0.0	1426	6.7	69.8	192.9	118.6
1313	5.8	6.2	38.1	28.6	1370	3.0	0.0	0.0	0.0	1427	7.1	388.8	203.9	141.5
1314	4.8	0.0	0.0	0.0	1371	2.9	0.0	0.0	0.0	1428	7.6	9.3	186.6	112.4
1315	4.2	0.0	0.0	0.0	1372	2.8	0.0	0.0	0.0	1429	8.3	1.7	88.0	53.1
1316	3.5	0.0	0.0	0.0	1373	2.7	0.0	0.0	0.0	1430	8.9	47.6	223.2	154.3
1317	2.1	0.0	0.0	0.0	1374	2.9	0.0	0.0	0.0	1431	9.2	200.2	196.6	246.7
1318	1.3	0.0	0.0	0.0	1375	3.0	0.0	0.0	0.0	1432	9.0	3.5	68.4	43.9
1319	1.0	0.0	0.0	0.0	1376	3.3	4.2	35.5	21.4	1433	8.2	49.6	67.5	86.5
1320	0.6	0.0	0.0	0.0	1377	3.8	69.4	132.8	81.6	1434	7.7	0.0	0.0	0.0
1321	0.5	0.0	0.0	0.0	1378	4.4	164.2	194.0	122.9	1435	7.3	0.0	0.0	0.0
1322	0.5	0.0	0.0	0.0	1379	5.2	59.0	223.7	137.0	1436	6.7	0.0	0.0	0.0
1323	0.5	0.0	0.0	0.0	1380	6.1	810.5	111.6	109.6	1437	6.4	0.0	0.0	0.0
1324	0.5	0.0	0.0	0.0	1381	6.6	17.8	207.1	127.5	1438	6.3	0.0	0.0	0.0
1325	0.9	0.0	0.0	0.0	1382	6.6	97.1	232.6	181.0	1439	6.3	0.0	0.0	0.0
1326	0.8	0.0	0.0	0.0	1383	7.1	250.5	186.6	272.4	1440	6.1	0.0	0.0	0.0
1327	0.4	0.0	0.0	0.0	1384	7.3	258.2	131.1	288.1	1441	5.9	0.0	0.0	0.0
1328	0.6	10.5	45.9	27.6	1385	6.9	9.7	48.6	38.2	1442	5.6	0.0	0.0	0.0
1329	1.0	607.0	84.0	66.6	1386	5.8	0.0	0.0	0.0	1443	5.2	0.0	0.0	0.0
1330	2.2	344.2	168.6	114.5	1387	5.1	0.0	0.0	0.0	1444	4.8	0.0	0.0	0.0
1331	3.5	618.8	143.1	115.0	1388	4.5	0.0	0.0	0.0	1445	4.3	0.0	0.0	0.0
1332	5.0	422.0	205.6	145.1	1389	3.4	0.0	0.0	0.0	1446	4.3	0.0	0.0	0.0
1333	6.1	511.1	183.7	202.3	1390	2.7	0.0	0.0	0.0	1447	4.8	0.0	0.0	0.0
1334	6.7	321.2	208.9	261.6	1391	2.3	0.0	0.0	0.0	1448	6.0	34.8	66.8	40.6
1335	6.9	299.1	175.5	296.2	1392	2.3	0.0	0.0	0.0	1449	7.4	343.9	128.7	87.3
1336	5.7	82.5	129.8	144.6	1393	2.4	0.0	0.0	0.0	1450	8.6	25.2	172.6	104.6
1337	4.6	36.6	56.3	67.5	1394	2.4	0.0	0.0	0.0	1451	9.7	403.1	202.8	141.8
1338	3.6	0.0	0.0	0.0	1395	2.3	0.0	0.0	0.0	1452	10.7	596.6	169.5	134.1
1339	2.7	0.0	0.0	0.0	1396	2.3	0.0	0.0	0.0	1453	11.4	273.4	248.5	199.3
1340	2.4	0.0	0.0	0.0	1397	2.2	0.0	0.0	0.0	1454	11.6	119.2	242.0	196.3
1341	2.0	0.0	0.0	0.0	1398	1.6	0.0	0.0	0.0	1455	12.0	299.2	186.8	304.8
1342	1.6	0.0	0.0	0.0	1399	1.3	0.0	0.0	0.0	1456	12.1	118.6	144.5	183.3
1343	1.2	0.0	0.0	0.0	1400	1.4	0.4	11.1	6.6	1457	11.6	126.5	74.6	162.4
1344	1.0	0.0	0.0	0.0	1401	1.9	4.5	76.5	46.0	1458	11.4	0.0	0.0	0.0
1345	1.2	0.0	0.0	0.0	1402	2.6	5.6	119.9	72.2	1459	11.3	0.0	0.0	0.0

1460	10.7	0.0	0.0	0.0	1517	5.4	0.0	0.0	0.0	1574	11.7	788.4	115.3	410.7
1461	9.8	0.0	0.0	0.0	1518	5.9	0.0	0.0	0.0	1575	11.9	349.4	189.4	340.5
1462	9.0	0.0	0.0	0.0	1519	5.8	0.0	0.0	0.0	1576	11.7	100.2	155.7	175.7
1463	8.7	0.0	0.0	0.0	1520	6.6	82.1	80.3	49.5	1577	10.9	132.7	86.8	176.3
1464	8.5	0.0	0.0	0.0	1521	7.7	258.3	145.0	95.0	1578	10.1	575.5	9.8	573.7
1465	8.1	0.0	0.0	0.0	1522	8.6	69.8	202.5	124.5	1579	9.3	0.0	0.0	0.0
1466	7.7	0.0	0.0	0.0	1523	9.5	495.4	186.4	137.4	1580	8.4	0.0	0.0	0.0
1467	7.2	0.0	0.0	0.0	1524	9.8	8.1	187.1	112.7	1581	7.6	0.0	0.0	0.0
1468	6.5	0.0	0.0	0.0	1525	10.0	349.8	239.3	208.5	1582	6.8	0.0	0.0	0.0
1469	5.6	0.0	0.0	0.0	1526	10.5	388.3	212.3	294.9	1583	6.1	0.0	0.0	0.0
1470	6.3	0.0	0.0	0.0	1527	11.1	1.7	71.5	44.0	1584	5.3	0.0	0.0	0.0
1471	7.2	0.0	0.0	0.0	1528	10.7	23.4	128.6	96.3	1585	4.6	0.0	0.0	0.0
1472	6.6	51.2	72.3	44.1	1529	10.2	21.7	68.5	61.3	1586	4.0	0.0	0.0	0.0
1473	6.1	621.3	90.9	73.1	1530	10.3	0.0	0.0	0.0	1587	3.3	0.0	0.0	0.0
1474	6.3	687.9	112.4	96.3	1531	9.8	0.0	0.0	0.0	1588	2.7	0.0	0.0	0.0
1475	7.4	571.2	163.9	127.2	1532	9.0	0.0	0.0	0.0	1589	3.1	0.0	0.0	0.0
1476	8.2	18.8	217.3	131.4	1533	8.1	0.0	0.0	0.0	1590	4.1	0.0	0.0	0.0
1477	8.5	811.4	115.4	218.8	1534	7.1	0.0	0.0	0.0	1591	4.5	3.8	8.2	4.9
1478	8.4	206.8	240.6	233.3	1535	6.4	0.0	0.0	0.0	1592	5.2	178.2	88.7	56.4
1479	9.1	204.0	201.1	252.3	1536	5.9	0.0	0.0	0.0	1593	6.9	421.6	130.4	92.0
1480	9.1	1.9	52.2	32.9	1537	5.4	0.0	0.0	0.0	1594	8.9	605.2	137.1	109.3
1481	8.4	109.3	76.7	147.8	1538	4.9	0.0	0.0	0.0	1595	10.0	546.5	178.4	136.1
1482	7.8	0.0	0.0	0.0	1539	4.6	0.0	0.0	0.0	1596	10.9	639.7	166.1	136.5
1483	7.2	0.0	0.0	0.0	1540	4.4	0.0	0.0	0.0	1597	11.5	338.9	248.3	212.5
1484	6.6	0.0	0.0	0.0	1541	5.1	0.0	0.0	0.0	1598	11.9	224.3	250.5	247.6
1485	5.6	0.0	0.0	0.0	1542	6.3	0.0	0.0	0.0	1599	12.5	408.2	180.0	373.5
1486	4.8	0.0	0.0	0.0	1543	7.3	0.0	0.0	0.0	1600	12.5	349.1	140.9	371.5
1487	4.1	0.0	0.0	0.0	1544	8.4	93.5	83.4	51.6	1601	11.8	178.2	88.7	220.1
1488	3.5	0.0	0.0	0.0	1545	8.8	733.1	77.9	69.8	1602	10.8	283.3	15.3	289.0
1489	2.9	0.0	0.0	0.0	1546	9.5	610.4	133.0	106.4	1603	9.7	0.0	0.0	0.0
1490	2.5	0.0	0.0	0.0	1547	9.8	182.1	250.4	159.7	1604	8.4	0.0	0.0	0.0
1491	2.1	0.0	0.0	0.0	1548	9.2	299.2	252.7	168.5	1605	7.1	0.0	0.0	0.0
1492	1.8	0.0	0.0	0.0	1549	8.5	44.4	252.2	159.6	1606	6.0	0.0	0.0	0.0
1493	2.7	0.0	0.0	0.0	1550	8.2	430.6	204.3	308.8	1607	5.3	0.0	0.0	0.0
1494	3.9	0.0	0.0	0.0	1551	8.8	175.3	210.6	240.0	1608	4.6	0.0	0.0	0.0
1495	4.9	0.0	0.0	0.0	1552	9.1	5.8	95.4	61.9	1609	3.9	0.0	0.0	0.0
1496	6.3	20.7	66.0	39.9	1553	8.8	0.4	13.8	8.7	1610	3.2	0.0	0.0	0.0
1497	6.8	920.7	57.2	62.3	1554	7.7	0.0	0.0	0.0	1611	2.7	0.0	0.0	0.0
1498	7.3	690.3	113.2	97.2	1555	6.0	0.0	0.0	0.0	1612	2.1	0.0	0.0	0.0
1499	7.9	948.4	97.6	106.9	1556	4.6	0.0	0.0	0.0	1613	2.0	0.0	0.0	0.0
1500	8.2	56.3	254.3	155.7	1557	3.6	0.0	0.0	0.0	1614	1.8	0.0	0.0	0.0
1501	8.9	297.7	248.4	204.1	1558	2.9	0.0	0.0	0.0	1615	1.8	28.3	15.6	9.4
1502	9.7	36.4	222.7	149.3	1559	2.3	0.0	0.0	0.0	1616	2.1	209.8	90.0	57.8
1503	10.0	34.6	185.0	133.3	1560	1.6	0.0	0.0	0.0	1617	1.7	14.0	125.8	75.9
1504	9.6	275.7	140.9	309.9	1561	1.1	0.0	0.0	0.0	1618	1.5	0.7	46.9	28.2
1505	8.5	3.0	35.6	24.2	1562	0.8	0.0	0.0	0.0	1619	2.0	16.5	207.6	125.5
1506	7.8	0.0	0.0	0.0	1563	0.5	0.0	0.0	0.0	1620	2.2	0.8	66.2	39.8
1507	6.9	0.0	0.0	0.0	1564	0.4	0.0	0.0	0.0	1621	2.7	198.7	276.7	203.4
1508	6.2	0.0	0.0	0.0	1565	1.1	0.0	0.0	0.0	1622	4.0	21.1	216.2	138.9
1509	5.9	0.0	0.0	0.0	1566	2.1	0.0	0.0	0.0	1623	5.1	273.9	206.6	302.4
1510	5.8	0.0	0.0	0.0	1567	3.2	260.9	14.1	8.6	1624	4.7	14.0	125.8	87.0
1511	5.9	0.0	0.0	0.0	1568	4.3	132.7	86.8	54.4	1625	3.9	313.8	83.7	344.7
1512	5.8	0.0	0.0	0.0	1569	4.8	250.3	150.5	98.3	1626	3.5	11.6	13.5	19.6
1513	5.7	0.0	0.0	0.0	1570	5.5	565.6	144.4	111.6	1627	2.8	0.0	0.0	0.0
1514	5.5	0.0	0.0	0.0	1571	7.1	563.3	172.4	133.1	1628	2.1	0.0	0.0	0.0
1515	5.3	0.0	0.0	0.0	1572	9.5	334.5	247.2	167.4	1629	1.5	0.0	0.0	0.0
1516	4.9	0.0	0.0	0.0	1573	11.2	516.1	199.9	216.4	1630	0.9	0.0	0.0	0.0

1631	0.4	0.0	0.0	0.0	1688	4.1	10.5	72.8	43.9	1745	7.0	110.5	103.5	166.3
1632	-0.3	0.0	0.0	0.0	1689	3.8	1.4	52.3	31.4	1746	6.4	369.5	23.3	381.4
1633	-0.8	0.0	0.0	0.0	1690	3.2	32.7	201.0	122.2	1747	5.6	0.0	0.0	0.0
1634	-1.3	0.0	0.0	0.0	1691	3.7	197.9	263.3	168.9	1748	4.7	0.0	0.0	0.0
1635	-1.7	0.0	0.0	0.0	1692	4.8	768.5	134.9	126.9	1749	3.8	0.0	0.0	0.0
1636	-2.0	0.0	0.0	0.0	1693	5.7	1.1	79.9	48.1	1750	3.1	0.0	0.0	0.0
1637	-2.1	0.0	0.0	0.0	1694	6.8	105.4	265.5	205.4	1751	2.4	0.0	0.0	0.0
1638	-2.7	0.0	0.0	0.0	1695	8.4	9.3	162.2	103.4	1752	1.8	0.0	0.0	0.0
1639	-2.5	18.3	15.9	9.6	1696	8.7	125.3	169.1	204.9	1753	1.3	0.0	0.0	0.0
1640	-1.5	11.1	70.0	42.2	1697	7.3	1.7	33.0	21.3	1754	0.9	0.0	0.0	0.0
1641	-1.1	8.2	113.8	68.6	1698	6.4	98.8	23.0	111.7	1755	0.5	0.0	0.0	0.0
1642	-0.5	386.9	188.4	130.7	1699	5.9	0.0	0.0	0.0	1756	0.2	0.0	0.0	0.0
1643	0.8	612.3	163.8	131.5	1700	5.2	0.0	0.0	0.0	1757	0.1	0.0	0.0	0.0
1644	2.4	526.1	202.1	152.1	1701	4.5	0.0	0.0	0.0	1758	-0.1	0.0	0.0	0.0
1645	3.6	553.3	194.2	221.0	1702	3.6	0.0	0.0	0.0	1759	0.2	849.9	11.7	11.1
1646	4.2	728.0	133.0	397.0	1703	3.0	0.0	0.0	0.0	1760	1.3	528.8	75.4	56.6
1647	4.6	288.7	206.5	312.2	1704	2.7	0.0	0.0	0.0	1761	2.8	186.6	174.7	111.6
1648	4.5	324.2	148.6	356.4	1705	2.4	0.0	0.0	0.0	1762	4.3	756.4	111.8	103.7
1649	3.9	187.8	93.2	232.3	1706	2.0	0.0	0.0	0.0	1763	5.5	847.9	110.5	114.7
1650	3.4	207.7	19.2	217.1	1707	1.6	0.0	0.0	0.0	1764	7.0	787.4	132.9	128.2
1651	2.7	0.0	0.0	0.0	1708	1.3	0.0	0.0	0.0	1765	8.3	416.8	242.3	225.3
1652	2.0	0.0	0.0	0.0	1709	0.9	0.0	0.0	0.0	1766	8.6	645.3	161.5	380.3
1653	1.3	0.0	0.0	0.0	1710	1.0	0.0	0.0	0.0	1767	8.9	639.9	138.9	503.4
1654	0.7	0.0	0.0	0.0	1711	1.41097.5	11.5	11.0	1768	8.7	511.8	128.3	501.0
1655	0.2	0.0	0.0	0.0	1712	1.3	177.5	100.8	64.1	1769	7.9	34.4	95.0	89.5
1656	-0.2	0.0	0.0	0.0	1713	1.7	155.3	171.4	108.3	1770	7.1	280.6	27.2	295.6
1657	-0.6	0.0	0.0	0.0	1714	1.8	343.3	203.2	138.2	1771	6.2	0.0	0.0	0.0
1658	-0.9	0.0	0.0	0.0	1715	2.1	1.4	82.5	49.6	1772	5.2	0.0	0.0	0.0
1659	-1.1	0.0	0.0	0.0	1716	2.3	0.9	71.7	43.1	1773	4.2	0.0	0.0	0.0
1660	-1.2	0.0	0.0	0.0	1717	2.2	7.0	192.9	117.1	1774	3.4	0.0	0.0	0.0
1661	-0.8	0.0	0.0	0.0	1718	2.1	5.7	166.2	102.2	1775	2.7	0.0	0.0	0.0
1662	-0.5	0.0	0.0	0.0	1719	2.0	3.4	109.5	67.9	1776	1.9	0.0	0.0	0.0
1663	0.3	861.2	8.4	7.4	1720	2.2	1.4	52.3	32.5	1777	1.3	0.0	0.0	0.0
1664	2.3	91.0	95.3	58.9	1721	1.9	100.5	100.7	155.1	1778	0.8	0.0	0.0	0.0
1665	4.1	133.7	166.8	104.6	1722	1.3	68.8	24.1	82.8	1779	0.3	0.0	0.0	0.0
1666	5.3	749.6	109.0	100.1	1723	0.7	0.0	0.0	0.0	1780	-0.1	0.0	0.0	0.0
1667	6.2	451.9	208.5	149.9	1724	0.4	0.0	0.0	0.0	1781	-0.1	0.0	0.0	0.0
1668	7.3	425.0	232.5	164.7	1725	0.2	0.0	0.0	0.0	1782	0.2	0.0	0.0	0.0
1669	8.2	264.5	271.0	212.7	1726	0.1	0.0	0.0	0.0	1783	1.1	916.5	11.9	12.0
1670	9.1	634.6	159.1	372.4	1727	0.1	0.0	0.0	0.0	1784	2.3	12.8	83.2	50.2
1671	10.1	392.3	189.3	369.8	1728	-0.1	0.0	0.0	0.0	1785	3.8	661.0	102.4	85.8
1672	10.0	236.2	161.2	291.6	1729	-0.1	0.0	0.0	0.0	1786	5.4	418.9	193.3	136.5
1673	9.3	71.8	93.7	123.7	1730	-0.1	0.0	0.0	0.0	1787	6.7	437.5	221.5	158.1
1674	8.5	88.8	21.0	100.6	1731	-0.1	0.0	0.0	0.0	1788	7.9	555.1	202.9	156.2
1675	7.6	0.0	0.0	0.0	1732	-0.1	0.0	0.0	0.0	1789	9.1	381.6	253.9	225.8
1676	6.5	0.0	0.0	0.0	1733	-0.1	0.0	0.0	0.0	1790	10.2	620.3	169.9	374.8
1677	5.4	0.0	0.0	0.0	1734	-0.2	0.0	0.0	0.0	1791	10.9	379.2	202.0	370.4
1678	4.7	0.0	0.0	0.0	1735	0.3	47.1	25.1	15.3	1792	10.9	574.9	118.3	547.9
1679	4.2	0.0	0.0	0.0	1736	1.4	174.6	103.3	65.6	1793	10.5	401.9	90.8	434.3
1680	3.7	0.0	0.0	0.0	1737	2.7	16.0	138.5	83.7	1794	10.0	213.1	30.4	230.4
1681	3.3	0.0	0.0	0.0	1738	4.0	569.9	154.4	119.9	1795	9.4	0.0	0.0	0.0
1682	2.9	0.0	0.0	0.0	1739	5.3	707.6	143.0	125.8	1796	8.7	0.0	0.0	0.0
1683	2.6	0.0	0.0	0.0	1740	6.5	429.0	237.0	168.3	1797	8.0	0.0	0.0	0.0
1684	2.2	0.0	0.0	0.0	1741	7.1	880.3	112.9	236.1	1798	7.4	0.0	0.0	0.0
1685	2.5	0.0	0.0	0.0	1742	7.1	633.2	163.6	375.8	1799	6.9	0.0	0.0	0.0
1686	3.5	0.0	0.0	0.0	1743	7.6	449.9	182.5	404.5	1800	6.3	0.0	0.0	0.0
1687	3.8	723.0	11.8	9.4	1744	7.7	146.0	174.0	225.3	1801	5.8	0.0	0.0	0.0

1802	5.4	0.0	0.0	0.0
1803	4.9	0.0	0.0	0.0
1804	4.4	0.0	0.0	0.0
1805	5.1	0.0	0.0	0.0
1806	5.8	0.0	0.0	0.0
1807	6.2	16.4	26.6	16.1
1808	7.2	707.4	58.4	50.9
1809	7.9	401.6	151.3	105.8
1810	8.5	375.1	204.9	141.5
1811	8.9	623.4	170.4	138.5
1812	10.4	797.0	132.3	129.3
1813	12.7	584.2	195.4	230.0
1814	13.4	468.3	214.8	335.2
1815	13.3	750.2	115.3	562.7
1816	13.1	351.2	159.5	387.3
1817	12.6	293.6	103.1	339.5
1818	12.0	119.1	33.3	138.7
1819	11.0	0.0	0.0	0.0
1820	9.5	0.0	0.0	0.0
1821	8.2	0.0	0.0	0.0
1822	7.1	0.0	0.0	0.0
1823	6.3	0.0	0.0	0.0
1824	5.5	0.0	0.0	0.0
1825	4.8	0.0	0.0	0.0
1826	4.2	0.0	0.0	0.0
1827	3.6	0.0	0.0	0.0
1828	3.0	0.0	0.0	0.0
1829	2.8	0.0	0.0	0.0
1830	2.8	0.0	0.0	0.0
1831	3.2	0.4	5.5	3.3
1832	4.1	0.4	19.3	11.6
1833	4.8	461.2	142.7	103.1
1834	5.0	891.8	91.8	99.8
1835	4.8	179.3	279.2	178.0
1836	5.4	1.8	104.4	62.8
1837	6.3	71.5	293.1	189.7
1838	6.3	129.4	281.2	225.8
1839	6.5	470.0	185.0	420.5
1840	6.5	8.2	127.4	83.2
1841	5.3	9.2	81.1	57.4
1842	4.1	19.0	29.1	36.4
1843	3.3	0.0	0.0	0.0
1844	2.9	0.0	0.0	0.0
1845	2.5	0.0	0.0	0.0
1846	2.1	0.0	0.0	0.0
1847	1.9	0.0	0.0	0.0
1848	1.8	0.0	0.0	0.0
1849	1.8	0.0	0.0	0.0
1850	1.9	0.0	0.0	0.0
1851	2.2	0.0	0.0	0.0
1852	2.4	0.0	0.0	0.0
1853	2.2	0.0	0.0	0.0
1854	1.9	0.0	0.0	0.0
1855	3.2	1.3	11.0	6.6
1856	5.3	299.0	107.0	71.2
1857	7.3	264.2	176.3	116.0
1858	8.7	405.3	202.0	141.7
1859	9.4	494.6	210.7	155.7
1860	10.4	176.7	302.5	192.7
1861	12.1	321.6	275.6	227.8
1862	13.0	299.2	261.7	289.2
1863	13.3	865.5	95.2	627.6
1864	13.4	243.9	178.8	310.1
1865	12.4	434.7	93.1	467.6
1866	11.7	14.0	29.4	31.7
1867	10.6	0.0	0.0	0.0
1868	9.5	0.0	0.0	0.0
1869	8.6	0.0	0.0	0.0
1870	7.5	0.0	0.0	0.0
1871	7.0	0.0	0.0	0.0
1872	6.4	0.0	0.0	0.0
1873	5.9	0.0	0.0	0.0
1874	5.5	0.0	0.0	0.0
1875	5.0	0.0	0.0	0.0
1876	4.5	0.0	0.0	0.0
1877	4.9	0.0	0.0	0.0
1878	5.4	0.0	0.0	0.0
1879	6.3	146.7	40.2	25.2
1880	7.6	199.6	116.5	74.7
1881	7.9	609.1	117.6	94.3
1882	8.4	531.4	173.1	131.1
1883	9.8	823.4	119.7	121.0
1884	11.2	470.2	235.5	171.5
1885	11.2	569.1	204.4	233.4
1886	10.7	543.2	198.1	359.2
1887	10.6	737.1	121.5	559.3
1888	10.3	325.9	169.7	373.0
1889	9.4	529.4	83.7	552.0
1890	8.5	48.3	37.5	70.7
1891	7.3	0.0	0.0	0.0
1892	5.9	0.0	0.0	0.0
1893	4.6	0.0	0.0	0.0
1894	3.6	0.0	0.0	0.0
1895	2.9	0.0	0.0	0.0
1896	2.3	0.0	0.0	0.0
1897	1.8	0.0	0.0	0.0
1898	1.3	0.0	0.0	0.0
1899	0.9	0.0	0.0	0.0
1900	0.5	0.0	0.0	0.0
1901	1.5	0.0	0.0	0.0
1902	3.2	0.0	0.0	0.0
1903	4.5	352.4	37.5	25.3
1904	6.6	287.5	112.4	74.5
1905	8.7	177.2	189.4	120.6
1906	10.8	333.6	221.7	150.2
1907	13.0	787.6	129.1	124.9
1908	14.7	735.5	153.3	139.6
1909	16.2	795.0	136.5	237.1
1910	17.2	393.6	242.5	319.8
1911	18.1	608.4	154.8	494.7
1912	18.1	467.6	146.8	477.5
1913	17.3	34.3	107.9	97.2
1914	17.0	36.0	38.4	59.0
1915	16.3	0.0	0.0	0.0
1916	15.4	0.0	0.0	0.0
1917	14.5	0.0	0.0	0.0
1918	13.7	0.0	0.0	0.0
1919	13.2	0.0	0.0	0.0
1920	12.6	0.0	0.0	0.0
1921	12.1	0.0	0.0	0.0
1922	11.6	0.0	0.0	0.0
1923	11.0	0.0	0.0	0.0
1924	10.3	0.0	0.0	0.0
1925	10.5	0.0	0.0	0.0
1926	10.4	0.0	0.0	0.0
1927	10.4	87.5	44.4	27.4
1928	12.0	822.5	51.5	51.6
1929	13.5	513.0	139.6	104.3
1930	14.2	653.2	144.6	120.8
1931	15.3	359.1	253.4	173.9
1932	16.6	817.0	131.7	132.4
1933	17.1	730.0	155.9	236.5
1934	17.2	390.4	245.2	320.2
1935	17.3	903.2	95.0	654.0
1936	16.7	605.6	121.1	577.4
1937	15.1	282.2	115.1	336.9
1938	13.7	243.3	43.4	269.3
1939	12.3	0.0	0.0	0.0
1940	10.8	0.0	0.0	0.0
1941	9.3	0.0	0.0	0.0
1942	8.1	0.0	0.0	0.0
1943	7.2	0.0	0.0	0.0
1944	6.4	0.0	0.0	0.0
1945	5.7	0.0	0.0	0.0
1946	5.0	0.0	0.0	0.0
1947	4.4	0.0	0.0	0.0
1948	3.8	0.0	0.0	0.0
1949	4.0	0.0	0.0	0.0
1950	4.2	0.0	0.0	0.0
1951	5.0	672.9	26.5	22.0
1952	7.0	326.6	112.9	76.1
1953	9.0	532.1	137.4	104.0
1954	10.3	646.7	147.5	122.6
1955	11.4	768.0	136.0	128.7
1956	12.5	904.5	119.2	131.0
1957	12.6	629.0	189.0	236.9
1958	12.8	752.2	140.3	418.1
1959	13.3	646.7	147.5	516.3
1960	13.0	467.9	150.2	480.3
1961	12.0	824.8	52.3	814.5
1962	11.1	196.4	46.8	224.6
1963	10.0	0.0	0.0	0.0
1964	8.6	0.0	0.0	0.0
1965	7.2	0.0	0.0	0.0
1966	6.2	0.0	0.0	0.0
1967	5.5	0.0	0.0	0.0
1968	4.9	0.0	0.0	0.0
1969	4.3	0.0	0.0	0.0
1970	3.8	0.0	0.0	0.0
1971	3.3	0.0	0.0	0.0
1972	2.9	0.0	0.0	0.0

1973	3.3	0.0	0.0	0.0	2030	13.1	299.5	275.8	298.9	2087	3.4	0.0	0.0	0.0
1974	3.9	0.0	0.0	0.0	2031	13.2	243.8	248.8	310.9	2088	2.5	0.0	0.0	0.0
1975	3.6	131.9	49.9	31.2	2032	13.1	256.0	192.6	329.4	2089	1.8	0.0	0.0	0.0
1976	3.5	827.0	53.0	53.5	2033	12.5	359.0	115.4	410.6	2090	1.1	0.0	0.0	0.0
1977	4.5	589.8	127.1	100.5	2034	12.0	3.0	24.7	17.8	2091	0.5	0.0	0.0	0.0
1978	5.9	600.4	160.9	128.5	2035	11.0	0.0	0.0	0.0	2092	0.5	0.0	0.0	0.0
1979	7.4	637.6	175.0	144.5	2036	9.8	0.0	0.0	0.0	2093	0.5	0.0	0.0	0.0
1980	9.2	711.7	163.6	145.3	2037	8.6	0.0	0.0	0.0	2094	-0.6	0.0	0.0	0.0
1981	10.4	432.9	253.6	237.4	2038	7.7	0.0	0.0	0.0	2095	-0.7	1.4	19.3	11.6
1982	11.2	457.2	229.8	341.1	2039	7.1	0.0	0.0	0.0	2096	0.3	36.1	125.4	76.3
1983	11.7	937.9	100.4	681.1	2040	6.6	0.0	0.0	0.0	2097	0.9	118.4	208.4	130.2
1984	11.6	166.2	196.8	256.8	2041	6.1	0.0	0.0	0.0	2098	1.9	3.5	128.6	77.3
1985	11.3	288.3	118.9	345.2	2042	5.7	0.0	0.0	0.0	2099	3.2	4.7	171.9	103.5
1986	10.9	131.9	49.9	162.0	2043	5.2	0.0	0.0	0.0	2100	3.6	14.7	256.4	154.9
1987	10.0	0.0	0.0	0.0	2044	4.8	0.0	0.0	0.0	2101	3.5	5.3	193.6	117.2
1988	8.7	0.0	0.0	0.0	2045	5.1	0.0	0.0	0.0	2102	3.9	489.9	227.7	355.5
1989	7.5	0.0	0.0	0.0	2046	5.8	0.0	0.0	0.0	2103	4.7	564.8	177.3	481.3
1990	6.6	0.0	0.0	0.0	2047	6.2	86.7	56.1	34.6	2104	5.3	10.5	153.7	101.0
1991	6.0	0.0	0.0	0.0	2048	7.9	457.1	104.9	75.6	2105	4.8	64.0	133.8	141.1
1992	5.4	0.0	0.0	0.0	2049	9.5	751.5	97.7	90.7	2106	4.8	87.0	60.8	123.7
1993	4.9	0.0	0.0	0.0	2050	10.4	613.5	161.3	130.4	2107	4.7	0.0	0.0	0.0
1994	4.5	0.0	0.0	0.0	2051	12.0	902.7	114.6	126.0	2108	3.8	0.0	0.0	0.0
1995	4.1	0.0	0.0	0.0	2052	13.5	666.4	181.3	154.0	2109	3.6	0.0	0.0	0.0
1996	3.7	0.0	0.0	0.0	2053	15.1	642.9	189.1	241.0	2110	3.9	0.0	0.0	0.0
1997	4.0	0.0	0.0	0.0	2054	15.8	572.2	199.1	374.6	2111	4.2	0.0	0.0	0.0
1998	4.3	0.0	0.0	0.0	2055	15.9	279.0	244.7	331.9	2112	4.4	0.0	0.0	0.0
1999	5.5	0.4	8.3	5.0	2056	15.6	643.4	119.8	609.5	2113	4.7	0.0	0.0	0.0
2000	7.3	348.3	114.7	78.1	2057	14.9	421.3	109.6	466.4	2114	4.9	0.0	0.0	0.0
2001	7.8	432.0	160.7	114.4	2058	13.9	15.7	45.3	43.0	2115	4.9	0.0	0.0	0.0
2002	8.2	179.1	254.9	162.5	2059	12.7	0.0	0.0	0.0	2116	4.7	0.0	0.0	0.0
2003	8.6	26.1	255.7	155.1	2060	11.3	0.0	0.0	0.0	2117	4.7	0.0	0.0	0.0
2004	9.2	141.9	317.9	200.2	2061	9.9	0.0	0.0	0.0	2118	4.8	0.0	0.0	0.0
2005	10.1	407.6	263.1	238.3	2062	8.8	0.0	0.0	0.0	2119	4.9	11.9	48.4	29.2
2006	10.7	374.2	255.0	319.5	2063	8.1	0.0	0.0	0.0	2120	5.9	33.3	126.1	76.6
2007	10.7	584.8	166.5	487.2	2064	7.4	0.0	0.0	0.0	2121	7.5	0.7	46.9	28.2
2008	10.4	49.9	187.1	153.9	2065	6.7	0.0	0.0	0.0	2122	9.3	541.3	185.2	141.6
2009	10.2	74.5	126.6	146.7	2066	6.1	0.0	0.0	0.0	2123	10.6	280.7	287.8	190.9
2010	9.9	106.7	52.0	138.0	2067	5.5	0.0	0.0	0.0	2124	11.0	47.3	305.8	186.7
2011	8.9	0.0	0.0	0.0	2068	4.9	0.0	0.0	0.0	2125	11.1	6.4	212.2	128.6
2012	7.9	0.0	0.0	0.0	2069	3.9	0.0	0.0	0.0	2126	10.3	22.9	259.9	166.2
2013	7.1	0.0	0.0	0.0	2070	3.3	0.0	0.0	0.0	2127	9.6	503.6	195.6	451.8
2014	6.4	0.0	0.0	0.0	2071	4.0	1.5	19.3	11.6	2128	9.1	4.8	120.1	76.1
2015	6.0	0.0	0.0	0.0	2072	5.1	4.3	73.7	44.4	2129	8.7	49.3	132.3	126.3
2016	5.4	0.0	0.0	0.0	2073	5.9	61.8	197.8	121.3	2130	8.0	4.6	35.5	25.9
2017	5.0	0.0	0.0	0.0	2074	6.4	3.2	123.2	74.1	2131	6.6	0.0	0.0	0.0
2018	4.6	0.0	0.0	0.0	2075	6.5	28.6	264.8	160.7	2132	5.5	0.0	0.0	0.0
2019	4.2	0.0	0.0	0.0	2076	6.7	0.9	79.9	48.0	2133	4.6	0.0	0.0	0.0
2020	3.9	0.0	0.0	0.0	2077	7.7	250.3	310.2	235.9	2134	3.9	0.0	0.0	0.0
2021	4.8	0.0	0.0	0.0	2078	8.8	0.9	74.4	45.1	2135	3.5	0.0	0.0	0.0
2022	5.5	0.0	0.0	0.0	2079	9.1	134.5	263.4	247.3	2136	3.2	0.0	0.0	0.0
2023	5.7	526.2	38.7	28.8	2080	9.0	4.0	106.6	67.3	2137	3.0	0.0	0.0	0.0
2024	7.5	359.0	115.4	79.0	2081	9.0	22.8	115.6	91.0	2138	3.0	0.0	0.0	0.0
2025	9.7	537.4	140.9	107.2	2082	9.0	28.9	51.9	60.1	2139	3.1	0.0	0.0	0.0
2026	10.8	397.9	216.6	151.6	2083	8.3	0.0	0.0	0.0	2140	3.1	0.0	0.0	0.0
2027	11.2	695.0	159.8	139.6	2084	6.7	0.0	0.0	0.0	2141	3.9	0.0	0.0	0.0
2028	12.6	847.0	128.1	133.9	2085	5.3	0.0	0.0	0.0	2142	3.6	0.0	0.0	0.0
2029	13.5	607.4	199.8	240.0	2086	4.3	0.0	0.0	0.0	2143	3.1	50.6	62.3	38.0

2144	4.3	512.9	103.6	77.5
2145	5.4	92.6	210.6	130.5
2146	6.3	318.4	244.3	164.7
2147	7.1	116.3	309.1	193.1
2148	8.4	171.8	328.7	209.2
2149	9.4	80.5	323.7	210.3
2150	9.8	177.5	307.5	263.9
2151	10.3	7.3	181.9	114.0
2152	10.1	686.8	115.1	643.6
2153	9.3	76.9	140.3	157.3
2154	8.7	4.9	38.2	27.9
2155	7.5	0.0	0.0	0.0
2156	6.0	0.0	0.0	0.0
2157	5.0	0.0	0.0	0.0
2158	4.2	0.0	0.0	0.0
2159	3.8	0.0	0.0	0.0
2160	3.6	0.0	0.0	0.0
2161	3.6	0.0	0.0	0.0
2162	3.6	0.0	0.0	0.0
2163	3.7	0.0	0.0	0.0
2164	3.7	0.0	0.0	0.0
2165	4.1	0.0	0.0	0.0
2166	3.8	0.0	0.0	0.0
2167	4.2	28.0	59.8	36.2
2168	5.6	10.6	107.8	65.0
2169	6.3	71.4	208.8	128.5
2170	6.9	42.8	250.1	152.5
2171	7.5	359.8	271.3	186.5
2172	8.4	83.8	326.6	201.8
2173	9.3	19.9	274.8	168.8
2174	9.8	594.7	198.1	385.1
2175	9.7	57.3	258.4	193.1
2176	8.9	0.9	52.4	32.1
2177	8.3	146.8	145.9	227.3
2178	8.5	0.6	13.8	8.9
2179	8.8	0.0	0.0	0.0
2180	8.6	0.0	0.0	0.0
2181	7.7	0.0	0.0	0.0
2182	6.9	0.0	0.0	0.0
2183	6.7	0.0	0.0	0.0
2184	6.4	0.0	0.0	0.0
2185	6.3	0.0	0.0	0.0
2186	6.1	0.0	0.0	0.0
2187	6.0	0.0	0.0	0.0
2188	5.7	0.0	0.0	0.0
2189	4.8	0.0	0.0	0.0
2190	5.6	0.0	0.0	0.0
2191	6.5	12.0	53.7	32.4
2192	6.2	3.7	73.8	44.4
2193	6.6	71.9	211.0	129.9
2194	7.3	0.9	68.9	41.4
2195	7.7	42.2	288.3	175.8
2196	9.1	63.5	321.2	197.2
2197	9.9	6.1	212.3	128.6
2198	10.2	455.2	244.5	350.6
2199	10.8	41.2	250.9	177.9
2200	10.0	174.8	216.0	275.8
2201	8.5	29.1	129.7	105.5
2202	7.7	36.2	64.0	74.7
2203	7.9	0.0	0.0	0.0
2204	7.6	0.0	0.0	0.0
2205	6.6	0.0	0.0	0.0
2206	5.9	0.0	0.0	0.0
2207	5.3	0.0	0.0	0.0
2208	4.6	0.0	0.0	0.0
2209	4.0	0.0	0.0	0.0
2210	3.5	0.0	0.0	0.0
2211	3.0	0.0	0.0	0.0
2212	3.0	0.0	0.0	0.0
2213	3.4	0.0	0.0	0.0
2214	3.8	0.0	0.0	0.0
2215	5.2	753.3	34.7	32.0
2216	6.7	590.9	96.0	76.1
2217	7.6	269.0	207.0	136.6
2218	8.7	645.9	160.3	133.9
2219	10.3	919.8	122.8	135.2
2220	11.8	789.0	148.6	145.5
2221	12.7	927.8	132.0	266.1
2222	13.3	773.9	143.7	433.1
2223	13.9	385.6	233.5	396.5
2224	14.0	517.4	157.0	527.2
2225	13.5	363.6	130.3	424.3
2226	13.0	118.3	73.1	162.5
2227	12.2	0.0	0.0	0.0
2228	11.3	0.0	0.0	0.0
2229	10.3	0.0	0.0	0.0
2230	9.5	0.0	0.0	0.0
2231	8.9	0.0	0.0	0.0
2232	8.2	0.0	0.0	0.0
2233	7.7	0.0	0.0	0.0
2234	7.1	0.0	0.0	0.0
2235	6.5	0.0	0.0	0.0
2236	6.0	0.0	0.0	0.0
2237	5.1	0.0	0.0	0.0
2238	4.1	0.0	0.0	0.0
2239	4.1	5.6	46.3	27.9
2240	5.0	251.5	145.7	95.4
2241	5.9	5.4	133.5	80.4
2242	7.2	641.7	162.6	135.3
2243	8.6	733.7	156.4	143.3
2244	9.1	472.7	257.5	188.5
2245	9.6	354.7	295.8	249.1
2246	9.9	197.2	313.0	276.3
2247	9.5	130.5	277.9	253.6
2248	9.0	276.4	207.8	356.0
2249	8.6	344.8	134.6	409.0
2250	8.7	55.6	71.6	98.7
2251	8.7	0.0	0.0	0.0
2252	7.8	0.0	0.0	0.0
2253	6.7	0.0	0.0	0.0
2254	6.3	0.0	0.0	0.0
2255	6.4	0.0	0.0	0.0
2256	6.5	0.0	0.0	0.0
2257	6.8	0.0	0.0	0.0
2258	7.1	0.0	0.0	0.0
2259	7.3	0.0	0.0	0.0
2260	7.3	0.0	0.0	0.0
2261	7.3	0.0	0.0	0.0
2262	7.3	0.0	0.0	0.0
2263	7.9	0.5	13.8	8.3
2264	9.6	477.0	117.0	85.6
2265	12.3	3.9	114.8	69.1
2266	13.9	457.9	217.1	157.4
2267	13.9	154.5	319.2	202.0
2268	14.8	124.1	340.1	213.0
2269	15.3	514.7	244.2	250.6
2270	14.9	41.9	293.5	194.9
2271	14.9	49.5	262.0	190.1
2272	14.1	49.8	209.5	167.4
2273	13.6	13.9	120.4	85.5
2274	14.0	10.0	56.7	44.0
2275	13.7	0.0	0.0	0.0
2276	12.4	0.0	0.0	0.0
2277	10.9	0.0	0.0	0.0
2278	9.7	0.0	0.0	0.0
2279	8.8	0.0	0.0	0.0
2280	8.2	0.0	0.0	0.0
2281	7.6	0.0	0.0	0.0
2282	7.1	0.0	0.0	0.0
2283	6.7	0.0	0.0	0.0
2284	6.4	0.0	0.0	0.0
2285	7.5	0.0	0.0	0.0
2286	8.2	0.0	0.0	0.0
2287	7.8	78.5	78.2	48.2
2288	8.7	69.2	151.8	93.3
2289	10.6	32.8	200.8	122.0
2290	12.2	786.6	124.7	121.9
2291	12.8	447.2	252.8	182.2
2292	12.8	977.1	141.6	156.1
2293	12.5	245.8	328.0	246.6
2294	12.6	1.9	115.4	70.1
2295	13.4	1.7	96.2	58.8
2296	13.8	471.9	171.8	497.9
2297	13.1	154.1	156.5	240.6
2298	12.5	41.8	73.4	85.9
2299	11.8	0.0	0.0	0.0
2300	10.6	0.0	0.0	0.0
2301	9.5	0.0	0.0	0.0
2302	8.6	0.0	0.0	0.0
2303	7.7	0.0	0.0	0.0
2304	6.6	0.0	0.0	0.0
2305	5.5	0.0	0.0	0.0
2306	4.6	0.0	0.0	0.0
2307	3.8	0.0	0.0	0.0
2308	3.2	0.0	0.0	0.0
2309	3.3	0.0	0.0	0.0
2310	3.3	0.0	0.0	0.0
2311	3.6	400.1	68.4	47.8
2312	5.5	75.3	154.9	95.4
2313	7.1	589.9	145.3	115.6
2314	8.1	567.8	187.7	146.8

2315	9.4	752.2	153.1	143.6	2372	4.9	0.0	0.0	0.0	2429	4.5	0.0	0.0	0.0
2316	10.9	930.4	135.7	149.5	2373	4.2	0.0	0.0	0.0	2430	3.5	5.4	10.9	6.6
2317	11.9	613.8	210.9	251.1	2374	3.8	0.0	0.0	0.0	2431	3.7	0.8	22.1	13.3
2318	12.3	245.7	310.1	296.4	2375	3.6	0.0	0.0	0.0	2432	4.7	4.5	92.8	55.9
2319	12.6	594.7	179.7	503.5	2376	3.2	0.0	0.0	0.0	2433	5.1	1.0	60.6	36.4
2320	12.4	317.3	206.2	389.2	2377	2.9	0.0	0.0	0.0	2434	5.4	5.6	179.8	108.2
2321	11.9	181.9	157.5	267.5	2378	2.7	0.0	0.0	0.0	2435	5.2	1.0	88.2	53.0
2322	11.3	488.1	61.2	525.9	2379	2.5	0.0	0.0	0.0	2436	5.3	3.3	167.0	100.4
2323	10.5	0.0	0.0	0.0	2380	2.3	0.0	0.0	0.0	2437	5.9	1.2	99.1	59.7
2324	9.5	0.0	0.0	0.0	2381	1.8	0.0	0.0	0.0	2438	5.8	1.0	88.2	53.4
2325	8.4	0.0	0.0	0.0	2382	2.2	130.6	15.2	9.3	2439	5.3	2.5	120.7	74.0
2326	7.6	0.0	0.0	0.0	2383	3.6	3.2	41.1	24.7	2440	4.8	43.9	219.3	168.2
2327	7.0	0.0	0.0	0.0	2384	5.3	122.4	164.9	103.2	2441	4.4	0.8	38.6	23.9
2328	6.3	0.0	0.0	0.0	2385	6.5	161.5	232.8	147.7	2442	4.2	57.6	88.5	110.7
2329	5.7	0.0	0.0	0.0	2386	6.9	681.4	156.8	136.1	2443	4.0	5.4	10.9	11.8
2330	5.2	0.0	0.0	0.0	2387	7.5	169.7	327.3	208.3	2444	3.7	0.0	0.0	0.0
2331	4.6	0.0	0.0	0.0	2388	8.0	30.4	307.8	186.9	2445	3.3	0.0	0.0	0.0
2332	4.2	0.0	0.0	0.0	2389	8.6	157.1	348.7	241.3	2446	3.0	0.0	0.0	0.0
2333	3.5	0.0	0.0	0.0	2390	9.0	135.8	329.0	258.5	2447	2.7	0.0	0.0	0.0
2334	2.7	0.0	0.0	0.0	2391	9.0	215.8	282.5	313.0	2448	2.4	0.0	0.0	0.0
2335	3.1	44.5	78.1	47.6	2392	9.4	149.5	233.3	265.0	2449	2.3	0.0	0.0	0.0
2336	4.4	780.9	71.9	69.6	2393	9.6	190.3	163.1	278.8	2450	2.2	0.0	0.0	0.0
2337	5.2	49.0	214.8	131.2	2394	9.2	72.4	86.2	124.2	2451	2.2	0.0	0.0	0.0
2338	5.6	66.8	275.7	169.5	2395	8.8	9.0	10.8	15.3	2452	2.3	0.0	0.0	0.0
2339	5.9	41.8	298.6	182.1	2396	8.3	0.0	0.0	0.0	2453	3.0	0.0	0.0	0.0
2340	6.5	0.9	88.2	53.0	2397	7.4	0.0	0.0	0.0	2454	2.7	533.0	13.6	9.7
2341	6.8	251.1	330.3	249.2	2398	6.8	0.0	0.0	0.0	2455	2.2	0.6	19.3	11.6
2342	7.6	652.1	186.3	404.8	2399	6.4	0.0	0.0	0.0	2456	3.2	20.7	142.4	86.2
2343	8.9	2.0	104.4	63.9	2400	6.2	0.0	0.0	0.0	2457	4.3	61.8	229.3	140.7
2344	8.7	32.0	203.7	149.0	2401	5.9	0.0	0.0	0.0	2458	5.1	135.0	294.9	185.4
2345	7.4	400.9	133.7	461.7	2402	5.5	0.0	0.0	0.0	2459	5.8	355.9	291.3	200.2
2346	6.4	4.5	46.4	32.3	2403	5.1	0.0	0.0	0.0	2460	7.5	99.4	351.9	218.7
2347	6.0	0.0	0.0	0.0	2404	4.6	0.0	0.0	0.0	2461	8.4	252.0	338.2	254.6
2348	5.4	0.0	0.0	0.0	2405	4.1	0.0	0.0	0.0	2462	8.4	431.7	267.3	354.5
2349	4.6	0.0	0.0	0.0	2406	3.7	6.6	10.9	6.5	2463	9.0	167.8	293.5	287.7
2350	3.9	0.0	0.0	0.0	2407	3.7	3.9	46.5	28.0	2464	8.3	0.9	57.9	35.5
2351	3.5	0.0	0.0	0.0	2408	3.7	0.8	38.6	23.2	2465	7.4	65.4	164.8	161.0
2352	3.0	0.0	0.0	0.0	2409	4.5	1.3	71.5	43.0	2466	7.1	8.9	67.6	49.5
2353	2.6	0.0	0.0	0.0	2410	5.2	5.8	182.5	109.8	2467	6.6	38.6	17.8	48.6
2354	2.2	0.0	0.0	0.0	2411	5.5	14.4	259.2	156.5	2468	6.1	0.0	0.0	0.0
2355	1.8	0.0	0.0	0.0	2412	6.1	1.0	93.7	56.3	2469	5.8	0.0	0.0	0.0
2356	1.6	0.0	0.0	0.0	2413	5.9	5.7	217.9	131.9	2470	5.7	0.0	0.0	0.0
2357	1.0	0.0	0.0	0.0	2414	5.3	32.3	293.7	190.7	2471	5.7	0.0	0.0	0.0
2358	0.5	0.0	0.0	0.0	2415	5.3	2.4	117.9	72.4	2472	5.6	0.0	0.0	0.0
2359	0.8	39.2	78.8	48.0	2416	5.5	0.9	57.9	35.5	2473	5.5	0.0	0.0	0.0
2360	1.9	71.6	158.3	97.4	2417	5.4	2.3	65.9	41.7	2474	5.4	0.0	0.0	0.0
2361	3.0	25.2	198.6	120.4	2418	5.5	3.0	41.1	27.7	2475	5.2	0.0	0.0	0.0
2362	4.1	4.0	150.3	90.4	2419	5.6	6.6	10.9	13.0	2476	5.0	0.0	0.0	0.0
2363	5.2	44.1	302.3	184.5	2420	5.4	0.0	0.0	0.0	2477	4.2	0.0	0.0	0.0
2364	5.7	616.6	211.9	172.8	2421	5.2	0.0	0.0	0.0	2478	3.8	1.0	5.5	3.3
2365	6.0	7.8	238.7	144.8	2422	5.1	0.0	0.0	0.0	2479	4.1	2.3	38.4	23.1
2366	6.6	657.1	185.6	406.7	2423	5.0	0.0	0.0	0.0	2480	4.8	1.1	46.8	28.1
2367	6.9	19.8	237.7	155.8	2424	4.9	0.0	0.0	0.0	2481	5.6	5.1	141.8	85.3
2368	6.7	431.2	185.5	472.0	2425	4.8	0.0	0.0	0.0	2482	6.3	6.8	195.7	117.8
2369	6.8	137.3	163.0	228.4	2426	4.9	0.0	0.0	0.0	2483	6.5	1.0	88.2	53.0
2370	6.6	7.9	59.7	43.7	2427	4.9	0.0	0.0	0.0	2484	6.9	4.6	199.2	119.9
2371	5.8	0.0	0.0	0.0	2428	5.0	0.0	0.0	0.0	2485	7.9	1.6	118.2	71.3

2486	8.7	6.2	215.0	131.8	2543	7.1	0.0	0.0	0.0	2600	6.0	81.6	179.0	110.6
2487	9.1	15.2	234.7	150.9	2544	6.9	0.0	0.0	0.0	2601	6.6	434.9	198.7	142.5
2488	9.3	4.7	136.4	85.8	2545	6.8	0.0	0.0	0.0	2602	7.1	27.6	265.2	160.9
2489	9.3	3.1	79.4	50.6	2546	6.6	0.0	0.0	0.0	2603	7.2	22.0	289.2	175.2
2490	9.1	15.7	77.3	62.1	2547	6.5	0.0	0.0	0.0	2604	7.9	459.3	280.5	204.3
2491	9.1	3.9	10.9	10.4	2548	6.4	0.0	0.0	0.0	2605	9.1	388.0	306.1	263.8
2492	8.9	0.0	0.0	0.0	2549	6.1	0.0	0.0	0.0	2606	9.3	244.4	329.6	307.7
2493	8.7	0.0	0.0	0.0	2550	5.7	31.3	23.2	14.1	2607	9.4	40.4	279.0	194.2
2494	8.5	0.0	0.0	0.0	2551	5.7	16.1	82.5	49.9	2608	9.7	204.7	245.1	317.5
2495	8.5	0.0	0.0	0.0	2552	6.7	30.6	157.7	95.8	2609	9.0	38.0	165.6	135.3
2496	8.4	0.0	0.0	0.0	2553	8.6	506.3	178.1	133.5	2610	7.9	32.4	95.3	89.5
2497	8.4	0.0	0.0	0.0	2554	10.7	456.4	233.5	169.6	2611	7.1	6.2	19.1	17.5
2498	8.4	0.0	0.0	0.0	2555	12.4	767.8	155.0	149.2	2612	6.3	0.0	0.0	0.0
2499	8.3	0.0	0.0	0.0	2556	13.6	182.9	357.6	228.7	2613	5.8	0.0	0.0	0.0
2500	8.2	0.0	0.0	0.0	2557	14.9	142.9	360.9	246.0	2614	5.2	0.0	0.0	0.0
2501	8.1	0.0	0.0	0.0	2558	15.9	122.4	340.5	259.4	2615	4.5	0.0	0.0	0.0
2502	7.4	514.6	16.3	11.7	2559	16.7	30.6	266.2	180.0	2616	4.1	0.0	0.0	0.0
2503	7.7	161.3	98.9	62.7	2560	16.7	261.0	233.5	357.7	2617	3.8	0.0	0.0	0.0
2504	8.4	305.2	160.0	107.3	2561	16.7	95.6	177.0	196.8	2618	3.5	0.0	0.0	0.0
2505	8.4	43.8	224.3	136.9	2562	16.7	34.1	92.4	89.5	2619	3.1	0.0	0.0	0.0
2506	9.3	150.0	298.0	188.4	2563	15.3	9.4	18.9	20.6	2620	2.9	0.0	0.0	0.0
2507	10.3	402.7	279.3	196.7	2564	13.8	0.0	0.0	0.0	2621	2.6	0.0	0.0	0.0
2508	11.1	723.9	177.9	162.3	2565	12.3	0.0	0.0	0.0	2622	2.9	5.4	19.1	11.5
2509	11.2	67.0	345.6	221.1	2566	10.9	0.0	0.0	0.0	2623	4.2	272.5	102.4	67.7
2510	11.7	62.6	323.9	222.5	2567	9.9	0.0	0.0	0.0	2624	5.4	0.6	38.6	23.2
2511	12.1	5.2	177.2	109.8	2568	9.1	0.0	0.0	0.0	2625	6.2	326.2	225.5	152.9
2512	11.6	34.8	217.9	159.8	2569	8.4	0.0	0.0	0.0	2626	7.5	321.4	276.0	186.8
2513	11.0	34.1	156.6	126.3	2570	7.8	0.0	0.0	0.0	2627	9.2	181.6	342.2	218.8
2514	9.8	243.8	95.1	300.7	2571	7.2	0.0	0.0	0.0	2628	10.5	960.2	149.9	165.5
2515	8.7	17.8	18.6	28.6	2572	6.6	0.0	0.0	0.0	2629	10.7	145.8	365.4	249.4
2516	7.6	0.0	0.0	0.0	2573	6.0	0.0	0.0	0.0	2630	10.8	261.5	327.1	313.8
2517	6.2	0.0	0.0	0.0	2574	5.9	0.6	5.5	3.3	2631	11.8	910.4	119.2	675.2
2518	5.2	0.0	0.0	0.0	2575	6.5	1.0	27.6	16.6	2632	12.1	844.6	99.2	762.5
2519	4.8	0.0	0.0	0.0	2576	7.2	2.8	79.5	47.8	2633	11.9	201.3	181.0	299.0
2520	4.3	0.0	0.0	0.0	2577	8.1	292.9	229.2	153.1	2634	11.4	6.4	70.7	48.8
2521	4.1	0.0	0.0	0.0	2578	8.6	4.6	169.2	101.8	2635	10.6	5.4	19.1	16.7
2522	4.0	0.0	0.0	0.0	2579	9.2	4.2	183.0	110.1	2636	10.1	0.0	0.0	0.0
2523	4.0	0.0	0.0	0.0	2580	10.0	74.1	353.1	217.7	2637	9.4	0.0	0.0	0.0
2524	4.1	0.0	0.0	0.0	2581	10.5	9.1	259.5	157.6	2638	8.5	0.0	0.0	0.0
2525	4.0	0.0	0.0	0.0	2582	11.3	4.5	188.4	115.0	2639	7.9	0.0	0.0	0.0
2526	3.6	74.6	23.8	14.6	2583	11.6	86.7	298.8	236.8	2640	7.5	0.0	0.0	0.0
2527	4.0	0.5	19.3	11.6	2584	11.3	5.8	155.2	98.0	2641	7.0	0.0	0.0	0.0
2528	5.4	0.7	38.6	23.2	2585	10.6	5.1	106.3	68.7	2642	6.6	0.0	0.0	0.0
2529	6.4	12.8	187.7	113.3	2586	10.1	1.9	38.5	25.0	2643	6.0	0.0	0.0	0.0
2530	7.2	72.8	291.8	179.8	2587	9.6	2.2	11.0	8.8	2644	5.5	0.0	0.0	0.0
2531	7.6	5.7	209.8	126.3	2588	9.0	0.0	0.0	0.0	2645	6.0	0.0	0.0	0.0
2532	7.9	5.6	220.7	132.8	2589	8.3	0.0	0.0	0.0	2646	7.1	25.0	28.7	17.4
2533	8.7	14.1	280.7	171.3	2590	7.7	0.0	0.0	0.0	2647	8.4	221.8	107.9	69.9
2534	9.2	1.0	88.2	53.3	2591	7.3	0.0	0.0	0.0	2648	9.8	888.0	70.7	77.7
2535	9.6	1.0	77.2	46.9	2592	6.9	0.0	0.0	0.0	2649	10.9	6.6	165.8	99.9
2536	9.6	9.3	175.7	113.1	2593	6.6	0.0	0.0	0.0	2650	11.4	17.4	249.5	150.9
2537	9.0	94.5	175.1	194.7	2594	6.3	0.0	0.0	0.0	2651	12.3	141.2	346.9	218.7
2538	8.7	3.5	49.2	33.0	2595	6.0	0.0	0.0	0.0	2652	13.1	174.2	364.5	232.5
2539	8.4	2.9	11.0	9.5	2596	5.7	0.0	0.0	0.0	2653	12.8	199.9	360.8	257.9
2540	8.1	0.0	0.0	0.0	2597	5.3	0.0	0.0	0.0	2654	12.5	225.5	336.4	303.3
2541	7.7	0.0	0.0	0.0	2598	4.9	6.2	19.1	11.5	2655	12.3	146.6	307.9	281.9
2542	7.3	0.0	0.0	0.0	2599	5.3	37.1	97.0	59.0	2656	11.8	136.2	253.2	265.2

2657	11.6	8.3	130.0	85.8	2714	7.5	0.0	0.0	0.0	2771	6.5	565.7	232.7	182.9
2658	12.0	4.3	60.1	40.3	2715	6.8	0.0	0.0	0.0	2772	7.4	184.6	369.9	236.8
2659	11.8	9.6	24.3	24.0	2716	6.2	0.0	0.0	0.0	2773	7.3	8.7	265.1	160.9
2660	10.9	0.0	0.0	0.0	2717	6.0	0.0	0.0	0.0	2774	7.7	7.5	241.5	148.2
2661	9.8	0.0	0.0	0.0	2718	6.1	4.5	21.8	13.1	2775	9.4	50.2	296.2	210.9
2662	9.5	0.0	0.0	0.0	2719	6.0	222.7	113.2	73.4	2776	10.0	507.8	187.6	533.3
2663	9.1	0.0	0.0	0.0	2720	6.6	122.3	191.0	119.6	2777	10.0	233.8	187.6	332.5
2664	8.5	0.0	0.0	0.0	2721	8.2	10.7	191.3	115.3	2778	10.0	66.4	116.0	135.4
2665	8.0	0.0	0.0	0.0	2722	9.8	154.6	312.0	197.6	2779	9.4	11.1	32.3	30.1
2666	7.5	0.0	0.0	0.0	2723	10.2	195.2	346.0	222.4	2780	8.3	0.0	0.0	0.0
2667	7.1	0.0	0.0	0.0	2724	10.0	372.9	317.0	220.1	2781	7.2	0.0	0.0	0.0
2668	6.7	0.0	0.0	0.0	2725	9.3	29.6	326.2	201.9	2782	6.6	0.0	0.0	0.0
2669	6.4	0.0	0.0	0.0	2726	8.4	8.0	243.9	149.9	2783	6.4	0.0	0.0	0.0
2670	6.5	3.1	16.4	9.9	2727	9.1	2.8	137.0	84.0	2784	6.3	0.0	0.0	0.0
2671	7.1	6.5	73.4	44.2	2728	9.7	54.7	244.4	192.1	2785	6.4	0.0	0.0	0.0
2672	8.0	3.4	90.3	54.3	2729	9.2	43.4	176.5	146.8	2786	6.7	0.0	0.0	0.0
2673	8.9	1.0	66.1	39.7	2730	9.2	2.9	52.0	34.1	2787	6.9	0.0	0.0	0.0
2674	9.7	7.0	206.5	124.3	2731	9.2	17.2	31.9	35.9	2788	7.1	0.0	0.0	0.0
2675	9.8	4.9	201.8	121.5	2732	8.4	0.0	0.0	0.0	2789	7.2	0.0	0.0	0.0
2676	9.4	3.2	172.5	103.7	2733	7.5	0.0	0.0	0.0	2790	7.1	5.4	27.3	16.4
2677	8.9	8.6	259.9	157.7	2734	6.9	0.0	0.0	0.0	2791	6.8	5.0	70.9	42.7
2678	8.6	8.0	241.2	148.3	2735	6.3	0.0	0.0	0.0	2792	7.1	87.5	193.3	119.7
2679	9.0	7.9	214.1	133.7	2736	5.8	0.0	0.0	0.0	2793	9.1	240.0	252.2	164.9
2680	9.7	1.1	68.9	42.2	2737	5.4	0.0	0.0	0.0	2794	11.4	668.8	173.7	150.0
2681	9.7	1.5	60.5	37.7	2738	5.3	0.0	0.0	0.0	2795	12.2	119.9	354.9	222.1
2682	9.3	0.6	22.1	13.8	2739	5.2	0.0	0.0	0.0	2796	12.6	807.9	156.6	159.5
2683	9.2	4.3	19.1	15.7	2740	5.2	0.0	0.0	0.0	2797	12.9	883.2	142.6	269.3
2684	9.0	0.0	0.0	0.0	2741	5.5	0.0	0.0	0.0	2798	12.4	537.9	243.9	387.7
2685	8.8	0.0	0.0	0.0	2742	5.8	99.9	41.1	25.5	2799	12.3	288.4	293.4	366.5
2686	8.7	0.0	0.0	0.0	2743	6.0	1.3	35.8	21.5	2800	12.4	182.4	260.0	307.0
2687	8.6	0.0	0.0	0.0	2744	7.4	20.8	160.8	97.3	2801	12.0	92.6	194.0	203.4
2688	8.6	0.0	0.0	0.0	2745	8.8	328.5	231.9	157.5	2802	11.3	0.6	24.8	15.5
2689	8.5	0.0	0.0	0.0	2746	9.8	338.8	277.8	189.6	2803	10.8	9.2	32.4	28.4
2690	8.5	0.0	0.0	0.0	2747	10.1	6.6	231.1	139.1	2804	9.6	0.0	0.0	0.0
2691	8.5	0.0	0.0	0.0	2748	9.7	449.0	290.4	210.4	2805	8.2	0.0	0.0	0.0
2692	8.5	0.0	0.0	0.0	2749	9.6	39.7	340.2	212.4	2806	7.3	0.0	0.0	0.0
2693	8.5	0.0	0.0	0.0	2750	9.8	101.4	350.3	255.7	2807	6.9	0.0	0.0	0.0
2694	8.1	675.7	20.3	17.3	2751	10.1	11.6	236.6	149.6	2808	6.4	0.0	0.0	0.0
2695	7.7	54.5	108.7	66.5	2752	10.2	53.1	245.2	191.1	2809	6.0	0.0	0.0	0.0
2696	8.0	55.9	179.9	110.2	2753	9.7	33.3	172.2	134.7	2810	5.8	0.0	0.0	0.0
2697	8.7	68.4	248.2	152.7	2754	9.2	3.8	60.1	39.8	2811	5.7	0.0	0.0	0.0
2698	9.6	416.8	252.6	179.5	2755	8.2	13.6	32.1	32.6	2812	5.7	0.0	0.0	0.0
2699	11.2	943.6	141.2	155.9	2756	6.6	0.0	0.0	0.0	2813	5.7	0.0	0.0	0.0
2700	12.2	71.6	359.3	221.3	2757	5.3	0.0	0.0	0.0	2814	5.4	1.2	13.8	8.3
2701	12.0	336.3	328.1	266.6	2758	4.2	0.0	0.0	0.0	2815	5.4	0.5	22.1	13.3
2702	12.7	746.9	165.1	434.7	2759	3.4	0.0	0.0	0.0	2816	6.9	1.6	66.0	39.7
2703	13.8	95.1	308.2	247.9	2760	2.6	0.0	0.0	0.0	2817	8.7	112.4	263.4	164.4
2704	13.7	310.9	233.0	398.0	2761	2.0	0.0	0.0	0.0	2818	9.7	1.0	82.7	49.7
2705	13.1	442.9	148.9	507.3	2762	1.7	0.0	0.0	0.0	2819	10.6	8.9	254.2	153.2
2706	12.4	400.3	95.0	454.6	2763	1.7	0.0	0.0	0.0	2820	11.7	4.8	215.5	129.7
2707	11.5	14.5	29.4	31.8	2764	2.0	0.0	0.0	0.0	2821	12.7	32.3	334.7	207.6
2708	11.0	0.0	0.0	0.0	2765	2.8	0.0	0.0	0.0	2822	13.5	6.2	228.6	139.9
2709	10.3	0.0	0.0	0.0	2766	3.0	61.3	41.5	25.4	2823	13.6	25.6	274.0	181.3
2710	9.8	0.0	0.0	0.0	2767	3.1	60.0	114.9	70.5	2824	13.8	39.7	241.2	177.5
2711	9.3	0.0	0.0	0.0	2768	4.5	37.0	176.1	107.2	2825	13.9	7.7	135.6	88.6
2712	8.7	0.0	0.0	0.0	2769	6.0	460.8	200.3	146.1	2826	13.7	1.0	33.1	20.9
2713	8.1	0.0	0.0	0.0	2770	6.3	18.0	257.1	155.5	2827	13.4	2.4	19.2	13.9

2828	13.0	0.0	0.0	0.0
2829	12.5	0.0	0.0	0.0
2830	12.1	0.0	0.0	0.0
2831	12.0	0.0	0.0	0.0
2832	11.8	0.0	0.0	0.0
2833	11.6	0.0	0.0	0.0
2834	11.4	0.0	0.0	0.0
2835	11.2	0.0	0.0	0.0
2836	10.9	0.0	0.0	0.0
2837	10.0	0.0	0.0	0.0
2838	9.4	9.2	35.1	21.2
2839	9.7	0.4	22.1	13.3
2840	10.3	179.1	197.5	126.2
2841	10.6	29.4	233.1	141.5
2842	11.8	551.5	214.5	166.9
2843	13.2	10.5	264.1	159.3
2844	14.1	538.0	258.9	199.4
2845	15.5	116.2	376.9	250.4
2846	16.1	267.0	337.0	322.0
2847	15.5	535.9	219.9	485.2
2848	14.7	47.4	247.7	187.8
2849	13.7	37.8	180.9	144.0
2850	12.5	16.8	101.0	77.1
2851	11.6	5.5	30.0	23.3
2852	10.5	0.0	0.0	0.0
2853	9.4	0.0	0.0	0.0
2854	8.6	0.0	0.0	0.0
2855	7.9	0.0	0.0	0.0
2856	7.3	0.0	0.0	0.0
2857	6.7	0.0	0.0	0.0
2858	6.3	0.0	0.0	0.0
2859	5.8	0.0	0.0	0.0
2860	6.0	0.0	0.0	0.0
2861	5.3	0.0	0.0	0.0
2862	5.1	0.4	8.3	5.0
2863	6.1	0.4	22.1	13.3
2864	7.4	108.2	200.0	124.7
2865	8.8	2.8	117.8	70.8
2866	9.7	2.4	131.6	79.1
2867	11.0	45.9	333.7	203.8
2868	12.1	6.7	250.0	150.6
2869	12.6	31.3	335.4	207.8
2870	13.0	9.9	261.8	161.5
2871	13.7	5.8	201.5	124.7
2872	14.2	73.8	260.0	216.9
2873	14.0	0.8	46.9	28.9
2874	13.6	1.0	33.1	20.8
2875	13.1	2.7	21.9	15.8
2876	12.3	0.0	0.0	0.0
2877	11.5	0.0	0.0	0.0
2878	10.9	0.0	0.0	0.0
2879	10.4	0.0	0.0	0.0
2880	10.0	0.0	0.0	0.0
2881	9.6	0.0	0.0	0.0
2882	9.3	0.0	0.0	0.0
2883	9.0	0.0	0.0	0.0
2884	9.0	0.0	0.0	0.0
2885	8.9	0.0	0.0	0.0
2886	8.8	0.6	11.0	6.6
2887	8.9	2.9	57.5	34.6
2888	9.6	17.7	164.5	99.4
2889	10.4	2.6	112.4	67.6
2890	10.8	6.2	206.8	124.5
2891	11.1	6.6	236.5	142.4
2892	11.0	1.1	104.7	62.9
2893	11.0	78.0	371.7	239.3
2894	11.2	30.4	317.8	204.3
2895	11.3	22.9	272.8	178.8
2896	11.3	75.2	261.7	219.0
2897	10.7	10.1	148.3	98.5
2898	9.8	0.8	30.3	19.0
2899	9.2	4.8	30.0	22.6
2900	8.5	0.0	0.0	0.0
2901	7.8	0.0	0.0	0.0
2902	7.2	0.0	0.0	0.0
2903	6.7	0.0	0.0	0.0
2904	6.2	0.0	0.0	0.0
2905	5.9	0.0	0.0	0.0
2906	5.6	0.0	0.0	0.0
2907	5.3	0.0	0.0	0.0
2908	5.3	0.0	0.0	0.0
2909	5.7	0.0	0.0	0.0
2910	6.0	44.6	50.3	30.7
2911	6.9	595.3	81.3	65.4
2912	8.7	57.3	194.0	118.9
2913	10.3	602.8	166.0	134.8
2914	10.5	940.0	130.6	144.3
2915	9.9	781.6	158.0	156.1
2916	10.5	451.3	295.5	214.6
2917	11.9	40.9	349.4	218.2
2918	13.1	7.5	246.9	151.5
2919	13.5	50.1	303.6	215.2
2920	13.4	5.4	163.5	102.5
2921	13.6	289.5	188.4	383.9
2922	13.9	306.4	118.7	373.0
2923	13.7	19.7	44.9	46.0
2924	13.0	0.0	0.0	0.0
2925	12.6	0.0	0.0	0.0
2926	12.2	0.0	0.0	0.0
2927	12.0	0.0	0.0	0.0
2928	11.7	0.0	0.0	0.0
2929	11.5	0.0	0.0	0.0
2930	11.3	0.0	0.0	0.0
2931	11.1	0.0	0.0	0.0
2932	10.7	0.0	0.0	0.0
2933	10.4	0.0	0.0	0.0
2934	10.1	92.3	55.4	34.3
2935	10.8	3.9	68.3	41.1
2936	12.5	144.1	205.1	129.5
2937	14.1	36.7	245.1	149.2
2938	15.9	356.6	281.5	194.0
2939	17.7	139.1	362.5	228.4
2940	18.5	543.1	259.6	200.8
2941	19.2	290.3	353.1	272.5
2942	20.1	100.0	360.0	260.8
2943	19.9	168.3	322.8	304.3
2944	18.9	148.8	270.6	284.9
2945	18.5	179.1	203.4	289.4
2946	17.8	37.7	119.7	108.9
2947	16.6	4.2	30.0	22.1
2948	15.4	0.0	0.0	0.0
2949	13.8	0.0	0.0	0.0
2950	12.3	0.0	0.0	0.0
2951	11.5	0.0	0.0	0.0
2952	10.8	0.0	0.0	0.0
2953	10.1	0.0	0.0	0.0
2954	9.6	0.0	0.0	0.0
2955	9.2	0.0	0.0	0.0
2956	9.1	0.0	0.0	0.0
2957	10.2	0.0	0.0	0.0
2958	10.5	3.3	27.4	16.5
2959	10.6	610.1	81.1	66.2
2960	12.0	104.9	205.6	128.1
2961	12.9	959.0	112.3	124.0
2962	13.7	170.1	323.8	206.3
2963	14.7	444.4	284.3	205.7
2964	16.4	850.7	148.7	160.1
2965	17.9	436.0	302.9	272.8
2966	18.2	758.7	166.1	439.0
2967	18.1	351.7	283.9	401.3
2968	17.8	166.3	270.9	299.3
2969	17.3	13.6	160.6	109.0
2970	17.4	340.9	117.6	405.6
2971	16.8	2.6	24.7	17.4
2972	15.8	0.0	0.0	0.0
2973	14.6	0.0	0.0	0.0
2974	13.5	0.0	0.0	0.0
2975	12.7	0.0	0.0	0.0
2976	12.0	0.0	0.0	0.0
2977	11.4	0.0	0.0	0.0
2978	10.9	0.0	0.0	0.0
2979	10.3	0.0	0.0	0.0
2980	9.8	0.0	0.0	0.0
2981	8.5	0.0	0.0	0.0
2982	8.3	6.2	38.1	22.9
2983	9.6	252.9	128.4	84.4
2984	10.0	8.4	146.2	88.1
2985	10.5	47.3	255.2	155.9
2986	11.1	221.2	317.5	206.2
2987	11.4	146.2	364.4	230.3
2988	10.9	3.0	175.3	105.4
2989	9.8	51.8	362.2	228.1
2990	9.7	94.3	361.2	258.9
2991	9.9	64.7	315.0	231.5
2992	9.6	1.9	98.9	60.9
2993	8.8	2.4	85.0	53.3
2994	8.2	166.6	134.3	244.2
2995	7.4	0.8	13.8	9.0
2996	6.6	0.0	0.0	0.0
2997	6.3	0.0	0.0	0.0
2998	5.7	0.0	0.0	0.0

2999	5.2	0.0	0.0	0.0	3056	9.4	2.6	90.5	54.4	3113	12.7	79.1	210.2	199.5
3000	4.8	0.0	0.0	0.0	3057	10.8	32.6	246.9	150.1	3114	12.1	72.9	138.5	154.3
3001	4.5	0.0	0.0	0.0	3058	11.3	3.1	153.3	92.2	3115	11.5	4.7	38.2	27.4
3002	4.3	0.0	0.0	0.0	3059	10.8	4.9	212.8	128.0	3116	10.6	0.0	0.0	0.0
3003	4.2	0.0	0.0	0.0	3060	10.7	7.4	263.2	158.6	3117	9.8	0.0	0.0	0.0
3004	4.7	0.0	0.0	0.0	3061	11.0	1.0	101.9	61.4	3118	9.1	0.0	0.0	0.0
3005	5.4	0.0	0.0	0.0	3062	10.8	2.2	142.7	86.6	3119	8.8	0.0	0.0	0.0
3006	4.6	2.4	24.7	14.8	3063	10.4	1.0	85.4	51.9	3120	8.5	0.0	0.0	0.0
3007	4.3	20.2	113.4	68.7	3064	10.2	16.7	223.2	147.6	3121	8.3	0.0	0.0	0.0
3008	5.9	1.9	76.9	46.2	3065	9.9	1.0	55.1	34.0	3122	8.3	0.0	0.0	0.0
3009	7.5	130.4	274.7	172.6	3066	9.6	80.2	136.7	160.5	3123	8.1	0.0	0.0	0.0
3010	9.0	657.9	182.5	156.4	3067	9.3	1.0	16.5	10.8	3124	8.5	0.0	0.0	0.0
3011	10.7	4.9	212.7	128.0	3068	8.7	0.0	0.0	0.0	3125	9.4	0.0	0.0	0.0
3012	12.1	766.8	172.9	168.1	3069	8.1	0.0	0.0	0.0	3126	10.4	21.7	57.9	35.0
3013	12.2	21.6	323.5	198.6	3070	7.7	0.0	0.0	0.0	3127	11.1	37.0	130.1	79.2
3014	12.0	90.3	361.4	257.2	3071	7.3	0.0	0.0	0.0	3128	11.7	3.4	104.0	62.5
3015	12.9	197.7	322.6	323.1	3072	6.9	0.0	0.0	0.0	3129	13.0	11.8	212.2	128.1
3016	13.0	8.7	194.8	124.0	3073	6.6	0.0	0.0	0.0	3130	14.4	1.1	90.9	54.6
3017	12.9	18.8	172.0	120.7	3074	6.4	0.0	0.0	0.0	3131	14.9	109.8	369.5	230.6
3018	13.1	4.6	76.4	50.3	3075	6.3	0.0	0.0	0.0	3132	15.2	216.3	379.7	246.2
3019	13.4	3.5	30.1	21.5	3076	6.3	0.0	0.0	0.0	3133	15.7	374.1	331.3	277.2
3020	13.4	0.0	0.0	0.0	3077	6.2	0.0	0.0	0.0	3134	16.4	153.9	369.9	290.5
3021	13.1	0.0	0.0	0.0	3078	5.8	0.9	16.5	9.9	3135	16.5	126.1	333.2	282.2
3022	13.0	0.0	0.0	0.0	3079	6.5	0.6	27.6	16.6	3136	16.1	102.5	278.9	251.1
3023	12.9	0.0	0.0	0.0	3080	7.7	6.1	136.1	81.9	3137	16.1	7.3	146.5	94.7
3024	12.5	0.0	0.0	0.0	3081	8.2	1.7	96.2	57.8	3138	15.6	40.8	131.7	118.7
3025	12.3	0.0	0.0	0.0	3082	8.8	1.0	88.2	53.0	3139	13.9	7.0	46.2	34.4
3026	12.1	0.0	0.0	0.0	3083	9.7	89.4	364.2	225.7	3140	12.5	0.0	0.0	0.0
3027	11.8	0.0	0.0	0.0	3084	10.1	1.0	104.7	62.9	3141	11.8	0.0	0.0	0.0
3028	11.4	0.0	0.0	0.0	3085	10.8	5.3	234.4	141.7	3142	11.2	0.0	0.0	0.0
3029	10.0	0.0	0.0	0.0	3086	11.7	1.0	99.2	60.0	3143	10.8	0.0	0.0	0.0
3030	9.4	3.4	30.1	18.1	3087	12.0	1.1	90.9	55.2	3144	10.3	0.0	0.0	0.0
3031	10.6	2.5	57.6	34.6	3088	12.2	60.1	266.3	209.0	3145	9.9	0.0	0.0	0.0
3032	11.4	0.7	46.9	28.2	3089	12.1	0.8	49.6	30.5	3146	9.7	0.0	0.0	0.0
3033	12.1	21.5	231.5	140.2	3090	12.0	1.1	38.6	24.2	3147	9.5	0.0	0.0	0.0
3034	13.0	55.9	312.7	191.6	3091	11.7	1.6	22.0	14.7	3148	9.4	0.0	0.0	0.0
3035	13.5	94.5	363.3	225.5	3092	11.1	0.0	0.0	0.0	3149	10.2	0.0	0.0	0.0
3036	14.4	113.0	385.4	240.7	3093	10.5	0.0	0.0	0.0	3150	10.9	433.3	55.7	39.9
3037	14.6	14.1	302.1	184.2	3094	10.0	0.0	0.0	0.0	3151	11.6	188.8	143.0	91.7
3038	13.6	169.2	364.7	294.4	3095	9.6	0.0	0.0	0.0	3152	13.2	728.4	104.7	97.2
3039	13.4	247.1	314.3	350.4	3096	9.3	0.0	0.0	0.0	3153	14.6	500.6	203.2	152.6
3040	13.8	43.1	254.7	188.1	3097	9.0	0.0	0.0	0.0	3154	15.8	757.8	152.0	146.5
3041	13.6	42.7	194.3	156.3	3098	8.7	0.0	0.0	0.0	3155	17.5	821.5	149.7	156.5
3042	12.9	4.8	79.1	52.2	3099	8.5	0.0	0.0	0.0	3156	18.7	729.2	188.4	175.3
3043	12.0	2.2	24.7	17.0	3100	8.3	0.0	0.0	0.0	3157	19.4	820.2	157.9	266.6
3044	10.9	0.0	0.0	0.0	3101	7.3	0.0	0.0	0.0	3158	20.8	267.8	349.2	328.7
3045	9.7	0.0	0.0	0.0	3102	6.8	0.9	16.5	9.9	3159	21.6	871.9	127.1	644.6
3046	9.2	0.0	0.0	0.0	3103	7.7	4.8	81.8	49.2	3160	20.9	509.3	200.6	535.9
3047	9.0	0.0	0.0	0.0	3104	8.7	22.4	181.2	109.8	3161	20.2	425.2	173.5	497.7
3048	8.7	0.0	0.0	0.0	3105	9.8	258.6	264.5	174.4	3162	19.8	659.6	80.1	690.7
3049	8.5	0.0	0.0	0.0	3106	10.9	2.8	145.2	87.3	3163	18.5	12.3	53.7	44.0
3050	8.5	0.0	0.0	0.0	3107	11.0	1.5	121.0	72.7	3164	16.8	0.0	0.0	0.0
3051	8.3	0.0	0.0	0.0	3108	10.9	165.4	387.3	246.4	3165	15.1	0.0	0.0	0.0
3052	8.6	0.0	0.0	0.0	3109	11.7	3.7	196.8	118.9	3166	13.8	0.0	0.0	0.0
3053	8.5	0.0	0.0	0.0	3110	12.0	3.2	172.5	104.9	3167	12.9	0.0	0.0	0.0
3054	8.2	4.4	35.5	21.4	3111	12.0	4.3	180.2	110.9	3168	12.1	0.0	0.0	0.0
3055	8.5	14.4	109.5	66.1	3112	12.6	163.3	278.2	300.4	3169	11.4	0.0	0.0	0.0

3170	10.9	0.0	0.0	0.0
3171	10.3	0.0	0.0	0.0
3172	9.9	0.0	0.0	0.0
3173	10.6	0.0	0.0	0.0
3174	11.4	27.3	62.4	37.9
3175	12.2	192.5	144.0	92.5
3176	13.2	686.6	114.3	101.2
3177	14.2	426.4	225.5	161.6
3178	15.4	40.1	306.8	187.0
3179	16.3	5.3	223.5	134.5
3180	17.0	287.3	362.3	242.0
3181	18.0	297.5	359.1	277.8
3182	17.8	296.8	341.7	337.0
3183	17.8	434.9	264.6	442.1
3184	18.4	369.6	241.2	445.9
3185	18.3	428.0	173.7	500.1
3186	18.2	58.7	139.6	140.8
3187	17.4	3.6	35.6	24.7
3188	15.9	0.0	0.0	0.0
3189	14.1	0.0	0.0	0.0
3190	13.0	0.0	0.0	0.0
3191	12.8	0.0	0.0	0.0
3192	12.6	0.0	0.0	0.0
3193	12.5	0.0	0.0	0.0
3194	12.4	0.0	0.0	0.0
3195	12.2	0.0	0.0	0.0
3196	11.9	0.0	0.0	0.0
3197	11.2	0.0	0.0	0.0
3198	10.8	63.6	70.4	43.2
3199	11.3	120.3	147.3	92.2
3200	11.7	20.1	182.1	110.2
3201	12.3	26.1	245.0	148.6
3202	12.8	17.6	273.2	165.2
3203	13.2	7.5	255.0	153.6
3204	14.4	148.5	392.0	247.9
3205	14.9	41.9	361.2	225.5
3206	14.1	5.0	218.2	133.1
3207	13.5	2.8	147.9	90.6
3208	13.1	125.2	283.4	272.0
3209	12.8	34.9	197.2	150.5
3210	12.6	137.2	147.4	221.8
3211	12.1	3.4	35.6	24.6
3212	10.8	0.0	0.0	0.0
3213	9.0	0.0	0.0	0.0
3214	7.6	0.0	0.0	0.0
3215	6.4	0.0	0.0	0.0
3216	5.3	0.0	0.0	0.0
3217	4.2	0.0	0.0	0.0
3218	3.3	0.0	0.0	0.0
3219	2.6	0.0	0.0	0.0
3220	2.9	0.0	0.0	0.0
3221	4.3	0.0	0.0	0.0
3222	5.5	22.5	63.0	38.2
3223	6.7	385.5	124.6	87.2
3224	9.1	841.7	85.9	92.0
3225	11.5	755.2	129.8	124.9
3226	13.3	399.1	277.9	196.2
3227	15.3	789.3	159.5	160.3
3228	17.2	752.2	180.5	173.0
3229	18.3	850.1	151.8	269.3
3230	19.2	918.2	148.5	497.0
3231	20.1	593.8	209.4	511.7
3232	20.2	344.7	249.3	429.9
3233	19.8	500.0	159.0	556.8
3234	19.4	513.6	105.1	561.9
3235	18.6	40.8	68.4	80.0
3236	17.4	0.0	0.0	0.0
3237	16.1	0.0	0.0	0.0
3238	15.0	0.0	0.0	0.0
3239	14.2	0.0	0.0	0.0
3240	13.4	0.0	0.0	0.0
3241	12.7	0.0	0.0	0.0
3242	12.1	0.0	0.0	0.0
3243	11.5	0.0	0.0	0.0
3244	11.0	0.0	0.0	0.0
3245	11.2	0.0	0.0	0.0
3246	11.4	7.3	51.6	31.1
3247	11.7	6.5	97.9	58.9
3248	13.0	5.5	136.2	82.0
3249	14.0	839.2	111.7	119.4
3250	14.1	61.4	324.0	199.0
3251	15.0	73.1	365.1	225.0
3252	16.2	20.0	327.2	198.0
3253	16.5	171.0	391.4	270.7
3254	15.8	350.3	326.4	351.4
3255	14.9	508.4	240.7	474.7
3256	14.1	7.2	192.7	121.5
3257	13.1	5.1	130.9	83.2
3258	12.8	51.9	141.3	135.1
3259	12.8	10.9	56.5	44.3
3260	12.3	0.0	0.0	0.0
3261	11.7	0.0	0.0	0.0
3262	11.2	0.0	0.0	0.0
3263	10.6	0.0	0.0	0.0
3264	10.2	0.0	0.0	0.0
3265	9.9	0.0	0.0	0.0
3266	9.7	0.0	0.0	0.0
3267	9.5	0.0	0.0	0.0
3268	9.4	0.0	0.0	0.0
3269	9.1	0.0	0.0	0.0
3270	8.7	0.7	16.6	9.9
3271	9.2	7.5	103.1	62.1
3272	10.4	13.0	171.5	103.5
3273	11.4	1.1	79.9	48.0
3274	12.3	5.5	207.1	124.6
3275	12.9	100.2	373.1	232.1
3276	13.1	70.6	383.4	236.1
3277	13.1	1.1	107.4	64.7
3278	13.0	21.6	315.6	198.9
3279	13.0	4.0	177.6	109.1
3280	13.0	33.8	256.6	181.4
3281	13.1	7.5	151.9	98.0
3282	12.8	13.7	117.7	83.9
3283	12.5	1.5	24.8	16.3
3284	12.1	0.0	0.0	0.0
3285	11.7	0.0	0.0	0.0
3286	11.3	0.0	0.0	0.0
3287	11.1	0.0	0.0	0.0
3288	10.8	0.0	0.0	0.0
3289	10.7	0.0	0.0	0.0
3290	10.6	0.0	0.0	0.0
3291	10.4	0.0	0.0	0.0
3292	10.4	0.0	0.0	0.0
3293	10.6	0.0	0.0	0.0
3294	11.3	5.7	49.0	29.5
3295	13.1	6.2	97.9	59.0
3296	15.5	236.8	214.7	140.4
3297	17.5	38.6	261.8	159.5
3298	18.6	485.9	249.8	186.0
3299	19.3	73.9	366.9	226.2
3300	20.0	689.5	205.5	183.0
3301	20.3	78.8	387.3	248.9
3302	19.9	129.9	376.3	283.3
3303	19.0	90.5	335.5	260.0
3304	18.3	30.1	253.3	176.4
3305	17.8	3.8	114.8	72.4
3306	16.6	5.1	90.0	58.9
3307	15.4	1.8	27.5	18.2
3308	14.8	0.0	0.0	0.0
3309	14.2	0.0	0.0	0.0
3310	13.5	0.0	0.0	0.0
3311	12.7	0.0	0.0	0.0
3312	12.0	0.0	0.0	0.0
3313	11.4	0.0	0.0	0.0
3314	10.9	0.0	0.0	0.0
3315	10.6	0.0	0.0	0.0
3316	10.5	0.0	0.0	0.0
3317	10.7	0.0	0.0	0.0
3318	10.3	35.0	71.7	43.6
3319	9.5	32.2	136.4	82.9
3320	9.9	16.6	180.7	109.3
3321	10.3	530.4	198.3	152.5
3322	10.7	7.3	230.7	139.0
3323	11.3	109.9	375.9	234.6
3324	11.9	727.5	190.7	177.6
3325	12.9	10.6	293.6	178.4
3326	13.2	252.0	358.4	326.7
3327	14.4	210.2	332.2	335.4
3328	15.6	108.4	287.1	260.1
3329	15.6	1.7	77.0	47.7
3330	15.2	7.7	105.7	70.9
3331	14.5	4.9	46.4	32.5
3332	13.6	0.0	0.0	0.0
3333	12.6	0.0	0.0	0.0
3334	12.2	0.0	0.0	0.0
3335	12.0	0.0	0.0	0.0
3336	11.5	0.0	0.0	0.0
3337	11.1	0.0	0.0	0.0
3338	10.7	0.0	0.0	0.0
3339	10.4	0.0	0.0	0.0
3340	10.1	0.0	0.0	0.0

3341	10.3	4.9	8.2	4.9
3342	9.9	5.4	49.1	29.5
3343	10.2	13.8	120.3	72.7
3344	12.6	34.5	202.4	123.1
3345	15.2	118.8	288.6	180.7
3346	16.9	65.3	329.0	202.3
3347	18.0	374.9	320.1	223.1
3348	19.2	226.3	383.7	249.9
3349	20.3	509.4	281.9	276.0
3350	20.6	74.8	368.6	254.3
3351	20.3	243.9	326.0	353.5
3352	20.6	29.2	253.8	175.8
3353	20.2	69.3	218.5	194.8
3354	19.9	62.5	148.3	149.3
3355	19.3	4.2	43.7	30.2
3356	18.0	4.9	8.2	9.2
3357	16.8	0.0	0.0	0.0
3358	15.7	0.0	0.0	0.0
3359	15.0	0.0	0.0	0.0
3360	14.5	0.0	0.0	0.0
3361	14.1	0.0	0.0	0.0
3362	13.8	0.0	0.0	0.0
3363	13.5	0.0	0.0	0.0
3364	13.3	0.0	0.0	0.0
3365	13.1	27.4	13.0	7.9
3366	12.9	6.7	54.3	32.7
3367	13.3	341.3	136.5	93.5
3368	13.7	5.5	138.9	83.6
3369	13.5	580.6	183.7	147.1
3370	13.7	2.4	139.9	84.1
3371	13.6	11.4	285.0	171.9
3372	13.7	6.0	253.1	152.4
3373	13.9	25.3	341.9	210.4
3374	13.1	5.6	234.3	143.0
3375	12.1	399.0	281.5	426.9
3376	11.9	0.9	74.4	45.4
3377	11.1	110.8	225.6	236.9
3378	10.3	33.0	138.8	115.1
3379	9.7	2.3	32.9	21.9
3380	9.0	27.4	13.0	31.7
3381	8.2	0.0	0.0	0.0
3382	7.4	0.0	0.0	0.0
3383	6.9	0.0	0.0	0.0
3384	6.3	0.0	0.0	0.0
3385	5.9	0.0	0.0	0.0
3386	5.6	0.0	0.0	0.0
3387	5.3	0.0	0.0	0.0
3388	5.9	0.0	0.0	0.0
3389	6.8	7.7	10.9	6.5
3390	7.0	5.1	49.1	29.5
3391	8.1	9.5	113.4	68.4
3392	10.5	5.7	141.6	85.3
3393	11.6	4.6	163.7	98.5
3394	11.9	572.4	220.0	175.0
3395	13.0	122.4	378.7	237.4
3396	13.5	852.4	152.9	166.2
3397	14.1	335.3	351.6	281.3
3398	16.4	3.2	177.9	108.2
3399	17.7	185.8	338.2	322.9
3400	17.9	1.3	88.1	53.9
3401	18.1	103.9	226.0	230.8
3402	18.1	68.5	151.5	156.9
3403	17.6	19.4	68.7	59.6
3404	16.7	21.0	13.2	26.1
3405	15.9	0.0	0.0	0.0
3406	15.5	0.0	0.0	0.0
3407	15.3	0.0	0.0	0.0
3408	15.1	0.0	0.0	0.0
3409	15.0	0.0	0.0	0.0
3410	14.8	0.0	0.0	0.0
3411	14.5	0.0	0.0	0.0
3412	14.2	0.0	0.0	0.0
3413	13.3	16.4	13.3	8.0
3414	13.1	1.8	30.2	18.2
3415	13.9	44.3	145.8	89.0
3416	14.4	9.4	164.8	99.3
3417	15.5	54.5	276.2	169.2
3418	16.3	243.1	328.1	215.1
3419	15.7	14.6	299.0	180.6
3420	16.3	209.1	389.3	251.9
3421	18.1	5.6	247.9	149.9
3422	18.4	148.5	379.1	293.0
3423	18.0	20.0	284.9	183.9
3424	18.0	596.8	179.5	589.3
3425	18.0	150.2	227.6	274.1
3426	18.0	157.1	156.9	245.4
3427	17.5	116.3	84.1	160.6
3428	16.6	16.4	13.3	22.2
3429	15.7	0.0	0.0	0.0
3430	14.6	0.0	0.0	0.0
3431	13.7	0.0	0.0	0.0
3432	12.9	0.0	0.0	0.0
3433	12.3	0.0	0.0	0.0
3434	11.8	0.0	0.0	0.0
3435	11.2	0.0	0.0	0.0
3436	11.3	0.0	0.0	0.0
3437	10.5	69.3	16.8	10.3
3438	10.2	4.3	46.4	27.9
3439	11.5	180.7	156.7	100.2
3440	12.7	36.2	206.8	125.9
3441	13.9	121.1	291.8	182.8
3442	13.8	16.5	276.5	167.1
3443	13.3	158.3	378.9	240.6
3444	14.3	176.1	395.7	252.8
3445	15.5	369.7	339.9	281.5
3446	15.9	29.2	334.0	213.3
3447	16.2	479.6	254.7	462.1
3448	16.4	15.2	231.9	151.4
3449	16.0	654.0	126.9	674.2
3450	15.3	69.7	153.6	159.2
3451	15.0	17.1	69.0	57.6
3452	14.3	13.1	13.4	19.4
3453	13.4	0.0	0.0	0.0
3454	12.8	0.0	0.0	0.0
3455	12.4	0.0	0.0	0.0
3456	11.8	0.0	0.0	0.0
3457	11.4	0.0	0.0	0.0
3458	11.2	0.0	0.0	0.0
3459	10.8	0.0	0.0	0.0
3460	11.0	0.0	0.0	0.0
3461	10.9	2.9	8.2	4.9
3462	10.1	3.3	41.1	24.7
3463	10.2	117.4	159.0	99.5
3464	11.4	6.4	149.6	90.1
3465	13.1	55.6	278.1	170.5
3466	14.5	762.5	153.8	150.0
3467	15.8	518.3	266.5	203.3
3468	17.1	206.7	390.8	252.6
3469	17.3	589.6	249.0	273.1
3470	16.9	168.6	378.4	301.4
3471	17.5	155.7	343.3	306.4
3472	17.8	750.6	134.0	685.0
3473	17.1	123.3	229.5	250.4
3474	16.4	78.5	155.9	169.0
3475	15.8	3.7	43.7	29.8
3476	14.7	10.6	13.5	17.2
3477	13.4	0.0	0.0	0.0
3478	12.2	0.0	0.0	0.0
3479	11.4	0.0	0.0	0.0
3480	10.7	0.0	0.0	0.0
3481	10.1	0.0	0.0	0.0
3482	9.8	0.0	0.0	0.0
3483	9.4	0.0	0.0	0.0
3484	9.3	0.0	0.0	0.0
3485	10.1	84.8	18.7	11.5
3486	11.5	268.4	81.9	54.2
3487	13.7	82.1	157.2	97.2
3488	15.6	419.3	185.0	132.2
3489	16.8	949.7	121.0	133.8
3490	18.3	544.9	231.5	180.2
3491	19.1	924.6	153.1	169.4
3492	20.1	795.0	167.7	170.6
3493	21.1	804.7	164.7	267.6
3494	21.8	683.3	199.7	421.1
3495	22.8	645.1	194.4	532.0
3496	22.5	906.5	115.5	798.8
3497	21.4	762.5	102.9	757.7
3498	20.9	172.2	158.9	260.7
3499	19.9	111.2	87.0	157.2
3500	18.2	8.8	13.5	15.7
3501	16.5	0.0	0.0	0.0
3502	15.2	0.0	0.0	0.0
3503	14.4	0.0	0.0	0.0
3504	13.6	0.0	0.0	0.0
3505	13.0	0.0	0.0	0.0
3506	12.5	0.0	0.0	0.0
3507	11.9	0.0	0.0	0.0
3508	11.6	0.0	0.0	0.0
3509	11.7	7.6	13.6	8.2
3510	12.2	4.5	49.1	29.6
3511	13.6	119.0	160.7	100.6

3512	15.5	24.9	198.5	120.3
3513	17.3	353.6	254.7	175.7
3514	18.7	187.6	340.9	218.8
3515	19.5	354.1	330.6	228.1
3516	20.8	196.4	393.8	253.6
3517	22.1	369.8	341.0	282.2
3518	22.7	437.6	299.4	372.5
3519	23.1	332.4	305.9	397.4
3520	23.1	117.3	293.6	270.5
3521	22.4	124.9	231.0	252.5
3522	21.3	59.6	153.9	149.5
3523	20.0	10.1	64.7	48.3
3524	18.8	7.6	13.6	14.7
3525	17.7	0.0	0.0	0.0
3526	16.8	0.0	0.0	0.0
3527	16.3	0.0	0.0	0.0
3528	15.6	0.0	0.0	0.0
3529	15.0	0.0	0.0	0.0
3530	14.6	0.0	0.0	0.0
3531	14.2	0.0	0.0	0.0
3532	14.0	0.0	0.0	0.0
3533	13.9	58.5	19.6	12.0
3534	14.2	28.0	77.8	47.2
3535	15.2	280.8	150.2	100.0
3536	16.6	90.1	229.1	142.0
3537	17.5	11.7	223.0	134.5
3538	17.7	10.0	253.5	152.9
3539	18.0	66.2	369.3	227.2
3540	18.9	107.6	399.5	249.2
3541	19.6	294.4	368.1	282.6
3542	19.8	54.5	362.5	241.5
3543	19.9	22.0	291.6	189.1
3544	19.8	11.7	223.0	143.2
3545	19.6	4.1	122.9	77.5
3546	19.2	58.1	154.3	148.3
3547	18.4	69.3	86.4	117.1
3548	17.4	4.1	10.9	10.1
3549	16.4	0.0	0.0	0.0
3550	15.6	0.0	0.0	0.0
3551	15.1	0.0	0.0	0.0
3552	14.5	0.0	0.0	0.0
3553	13.9	0.0	0.0	0.0
3554	13.5	0.0	0.0	0.0
3555	13.0	0.0	0.0	0.0
3556	12.7	0.0	0.0	0.0
3557	12.4	6.1	13.6	8.2
3558	12.1	13.2	69.6	42.0
3559	12.4	19.7	134.6	81.5
3560	14.2	357.5	200.5	138.6
3561	16.1	861.9	112.4	123.4
3562	16.6	114.8	345.8	216.3
3563	16.8	328.3	340.2	231.8
3564	17.2	150.1	400.8	253.7
3565	17.3	115.5	400.8	264.7
3566	17.3	116.9	382.1	280.7
3567	17.5	2.8	153.4	93.9
3568	17.2	31.9	262.6	183.2
3569	16.7	24.2	198.8	141.2
3570	16.6	71.1	157.9	162.9
3571	16.9	5.3	54.5	37.7
3572	16.7	6.1	13.6	13.4
3573	16.0	0.0	0.0	0.0
3574	15.5	0.0	0.0	0.0
3575	15.3	0.0	0.0	0.0
3576	14.9	0.0	0.0	0.0
3577	14.6	0.0	0.0	0.0
3578	14.4	0.0	0.0	0.0
3579	14.0	0.0	0.0	0.0
3580	13.6	0.0	0.0	0.0
3581	13.1	3.6	10.9	6.6
3582	12.7	5.2	54.5	32.8
3583	13.2	36.8	147.9	90.1
3584	13.9	3.7	117.6	70.7
3585	14.5	34.9	266.2	162.0
3586	15.3	1.2	101.8	61.2
3587	15.2	83.4	376.9	233.2
3588	15.1	50.2	377.8	231.1
3589	15.1	1.5	132.0	79.5
3590	15.1	212.8	373.3	317.6
3591	15.4	15.7	276.9	176.2
3592	15.2	3.7	150.4	93.2
3593	15.2	274.3	217.6	380.1
3594	15.3	3.0	73.9	47.2
3595	14.7	15.1	72.0	57.4
3596	13.8	5.6	13.6	13.0
3597	13.0	0.0	0.0	0.0
3598	12.3	0.0	0.0	0.0
3599	11.8	0.0	0.0	0.0
3600	11.2	0.0	0.0	0.0
3601	10.8	0.0	0.0	0.0
3602	10.6	0.0	0.0	0.0
3603	10.3	0.0	0.0	0.0
3604	10.5	0.0	0.0	0.0
3605	11.0	3.3	10.9	6.6
3606	11.2	2.2	35.7	21.4
3607	11.7	9.5	118.8	71.6
3608	12.4	5.7	147.0	88.5
3609	13.2	3.1	136.9	82.3
3610	14.0	22.5	293.9	178.1
3611	14.7	7.8	265.6	160.0
3612	15.3	1.5	132.0	79.3
3613	15.8	1.2	118.4	71.3
3614	16.0	1.4	118.3	71.6
3615	16.6	15.6	277.0	176.2
3616	17.1	2.6	126.1	77.7
3617	16.9	4.9	136.4	86.3
3618	16.7	54.3	155.4	145.2
3619	16.3	3.7	46.5	31.4
3620	15.9	8.8	16.2	17.3
3621	15.3	0.0	0.0	0.0
3622	14.9	0.0	0.0	0.0
3623	14.7	0.0	0.0	0.0
3624	14.4	0.0	0.0	0.0
3625	14.2	0.0	0.0	0.0
3626	14.0	0.0	0.0	0.0
3627	13.8	0.0	0.0	0.0
3628	13.8	0.0	0.0	0.0
3629	13.1	1.8	8.2	5.0
3630	12.3	0.5	16.6	10.0
3631	12.8	374.7	139.2	97.1
3632	14.0	1.0	60.6	36.4
3633	15.0	169.3	294.9	188.0
3634	15.3	1.2	99.1	59.6
3635	15.4	87.5	378.8	234.7
3636	15.6	3.7	205.0	123.3
3637	15.5	18.6	330.7	202.3
3638	16.3	44.9	356.5	233.6
3639	17.0	473.4	259.6	459.2
3640	16.9	9.6	215.9	137.3
3641	16.4	12.5	179.7	119.2
3642	15.8	9.3	118.9	80.2
3643	15.2	3.2	43.8	29.3
3644	14.4	4.9	13.6	12.4
3645	13.6	0.0	0.0	0.0
3646	13.0	0.0	0.0	0.0
3647	12.4	0.0	0.0	0.0
3648	11.8	0.0	0.0	0.0
3649	11.4	0.0	0.0	0.0
3650	11.0	0.0	0.0	0.0
3651	10.7	0.0	0.0	0.0
3652	10.6	0.0	0.0	0.0
3653	10.6	4.6	13.6	8.2
3654	10.2	72.6	90.7	55.9
3655	10.4	2.5	68.6	41.2
3656	11.1	29.7	206.9	125.7
3657	11.4	21.5	249.8	151.3
3658	11.7	14.0	272.6	164.6
3659	12.2	1.1	107.4	64.5
3660	12.4	12.4	308.4	186.2
3661	12.6	11.0	301.4	183.1
3662	13.2	3.5	188.7	114.8
3663	13.9	1.5	112.8	68.6
3664	13.9	9.6	216.0	137.2
3665	13.4	26.1	203.2	145.6
3666	12.9	5.7	103.5	67.5
3667	12.4	5.5	57.2	39.5
3668	12.0	4.6	13.6	12.2
3669	11.6	0.0	0.0	0.0
3670	11.2	0.0	0.0	0.0
3671	10.9	0.0	0.0	0.0
3672	10.6	0.0	0.0	0.0
3673	10.4	0.0	0.0	0.0
3674	10.3	0.0	0.0	0.0
3675	10.2	0.0	0.0	0.0
3676	10.4	0.0	0.0	0.0
3677	11.2	4.4	13.7	8.2
3678	12.3	21.6	78.9	47.8
3679	13.2	3.3	79.4	47.7
3680	13.9	190.1	232.0	149.0
3681	15.0	99.7	295.7	184.0
3682	16.8	90.2	344.6	213.7

3683	17.7	136.2	384.5	242.3
3684	18.2	451.2	310.2	226.3
3685	19.0	11.4	303.8	184.6
3686	19.1	401.5	315.2	365.4
3687	19.0	2.1	134.5	82.0
3688	18.1	322.9	266.0	417.8
3689	16.4	0.9	57.9	35.5
3690	15.1	391.6	137.5	456.0
3691	14.2	0.4	16.6	10.4
3692	13.6	6.6	16.3	15.4
3693	12.8	0.0	0.0	0.0
3694	12.1	0.0	0.0	0.0
3695	11.5	0.0	0.0	0.0
3696	10.8	0.0	0.0	0.0
3697	10.5	0.0	0.0	0.0
3698	10.4	0.0	0.0	0.0
3699	10.4	0.0	0.0	0.0
3700	10.7	0.0	0.0	0.0
3701	11.2	4.2	13.7	8.2
3702	11.1	14.8	74.7	45.1
3703	11.3	14.4	130.8	79.0
3704	11.8	3.1	109.5	65.9
3705	12.4	2.5	123.4	74.2
3706	13.6	170.6	346.6	221.1
3707	14.1	3.9	199.5	120.0
3708	14.1	7.0	271.5	163.5
3709	14.2	71.1	392.4	250.3
3710	14.5	9.0	275.7	169.4
3711	14.4	58.0	333.1	237.0
3712	14.5	6.3	193.1	120.9
3713	14.9	49.6	221.5	177.8
3714	15.0	2.8	74.0	47.1
3715	14.7	12.5	72.4	55.1
3716	14.1	4.2	13.7	11.8
3717	13.5	0.0	0.0	0.0
3718	13.0	0.0	0.0	0.0
3719	12.6	0.0	0.0	0.0
3720	12.2	0.0	0.0	0.0
3721	11.8	0.0	0.0	0.0
3722	11.6	0.0	0.0	0.0
3723	11.4	0.0	0.0	0.0
3724	11.4	0.0	0.0	0.0
3725	11.7	5.7	16.3	9.8
3726	11.6	57.7	90.7	55.6
3727	12.2	30.1	147.3	89.5
3728	14.1	60.9	226.6	139.1
3729	15.4	217.8	290.0	188.3
3730	16.4	836.9	136.0	146.1
3731	16.8	141.9	385.0	243.1
3732	16.4	129.9	403.8	253.8
3733	16.5	532.9	275.5	277.1
3734	17.2	239.0	369.2	326.3
3735	17.5	81.2	343.0	257.7
3736	17.3	174.9	296.0	317.3
3737	16.6	90.2	233.6	221.8
3738	15.6	9.6	121.5	82.0
3739	14.6	38.0	86.5	87.5
3740	13.3	9.6	18.9	19.6
3741	12.0	0.0	0.0	0.0
3742	11.2	0.0	0.0	0.0
3743	10.6	0.0	0.0	0.0
3744	9.9	0.0	0.0	0.0
3745	9.5	0.0	0.0	0.0
3746	9.3	0.0	0.0	0.0
3747	9.2	0.0	0.0	0.0
3748	9.4	0.0	0.0	0.0
3749	9.7	5.5	16.4	9.8
3750	9.8	139.5	95.6	60.3
3751	9.9	3.7	84.8	51.0
3752	10.5	0.9	60.6	36.4
3753	11.3	437.1	234.1	169.3
3754	12.1	6.0	223.1	134.3
3755	13.2	329.5	342.1	233.3
3756	14.0	98.4	401.2	249.5
3757	14.5	22.2	341.3	209.5
3758	15.1	23.1	327.6	206.7
3759	16.0	782.8	149.2	589.8
3760	16.5	542.4	200.8	553.5
3761	16.8	60.3	226.8	190.7
3762	17.1	57.0	159.5	150.0
3763	16.6	113.9	95.4	163.9
3764	15.7	8.7	18.9	18.9
3765	14.9	0.0	0.0	0.0
3766	14.0	0.0	0.0	0.0
3767	13.4	0.0	0.0	0.0
3768	12.7	0.0	0.0	0.0
3769	12.2	0.0	0.0	0.0
3770	11.9	0.0	0.0	0.0
3771	11.5	0.0	0.0	0.0
3772	11.3	0.0	0.0	0.0
3773	11.3	14.4	21.4	12.9
3774	12.1	47.6	89.9	54.9
3775	13.2	131.9	167.8	105.6
3776	14.7	197.3	232.9	150.1
3777	17.3	885.5	115.5	127.8
3778	18.9	275.6	326.2	217.0
3779	18.9	131.0	385.7	242.6
3780	19.3	850.9	154.9	168.9
3781	20.2	412.0	327.0	282.6
3782	20.3	697.3	195.5	422.8
3783	20.6	243.5	334.3	356.1
3784	20.4	204.5	292.8	338.8
3785	20.2	358.7	204.1	446.8
3786	20.1	75.0	163.9	169.7
3787	19.4	196.2	94.5	240.3
3788	18.3	8.1	19.0	18.3
3789	16.8	0.0	0.0	0.0
3790	15.7	0.0	0.0	0.0
3791	14.9	0.0	0.0	0.0
3792	14.0	0.0	0.0	0.0
3793	13.3	0.0	0.0	0.0
3794	12.7	0.0	0.0	0.0
3795	12.1	0.0	0.0	0.0
3796	11.6	0.0	0.0	0.0
3797	11.7	13.2	21.4	12.9
3798	11.8	283.9	89.5	59.7
3799	12.1	764.7	74.4	73.0
3800	13.4	224.1	229.8	149.6
3801	15.2	410.3	242.7	172.8
3802	15.9	96.8	347.4	215.9
3803	16.3	322.4	344.9	234.4
3804	17.5	339.6	355.2	243.5
3805	17.9	128.8	404.5	269.7
3806	17.9	147.5	385.5	295.9
3807	18.8	67.9	339.2	246.9
3808	19.5	275.1	279.3	386.9
3809	19.7	140.8	237.4	269.6
3810	19.8	37.3	152.8	127.2
3811	19.1	25.7	83.4	74.0
3812	17.9	7.5	19.0	17.9
3813	16.8	0.0	0.0	0.0
3814	16.0	0.0	0.0	0.0
3815	15.5	0.0	0.0	0.0
3816	15.1	0.0	0.0	0.0
3817	14.7	0.0	0.0	0.0
3818	14.5	0.0	0.0	0.0
3819	14.1	0.0	0.0	0.0
3820	13.8	0.0	0.0	0.0
3821	13.4	2.2	11.0	6.6
3822	13.1	9.4	70.2	42.3
3823	13.7	329.1	149.7	102.1
3824	14.7	584.2	148.9	120.0
3825	15.6	300.4	273.5	184.0
3826	16.4	670.1	187.3	164.3
3827	17.2	639.3	219.0	185.9
3828	18.3	468.6	303.7	224.1
3829	19.5	763.3	179.3	267.6
3830	20.4	747.7	176.6	433.3
3831	20.9	467.8	263.2	456.4
3832	21.0	479.8	221.4	515.2
3833	20.9	373.1	201.4	457.9
3834	20.7	292.6	154.9	371.1
3835	19.7	25.0	83.5	73.5
3836	18.1	12.2	21.5	23.3
3837	16.5	0.0	0.0	0.0
3838	15.3	0.0	0.0	0.0
3839	14.4	0.0	0.0	0.0
3840	13.6	0.0	0.0	0.0
3841	12.9	0.0	0.0	0.0
3842	12.4	0.0	0.0	0.0
3843	12.0	0.0	0.0	0.0
3844	11.9	0.0	0.0	0.0
3845	12.2	33.9	25.6	15.6
3846	12.3	93.2	96.6	60.0
3847	12.3	0.7	38.6	23.2
3848	13.3	174.3	236.2	150.9
3849	14.3	2.8	131.5	79.1
3850	14.6	42.0	323.1	197.1
3851	14.2	2.1	148.2	89.1
3852	14.1	2.8	178.1	107.1
3853	14.3	3.1	188.9	114.0

3854	13.9	1.1	107.4	64.9	3911	15.6	0.0	0.0	0.0	3968	11.5	115.7	238.8	149.4
3855	13.2	58.7	335.1	238.5	3912	15.1	0.0	0.0	0.0	3969	12.4	3.5	147.7	88.9
3856	12.6	33.9	269.2	188.5	3913	14.7	0.0	0.0	0.0	3970	12.7	38.3	320.2	195.1
3857	12.1	0.8	57.9	35.5	3914	14.4	0.0	0.0	0.0	3971	12.5	23.5	329.9	199.9
3858	11.6	4.9	98.2	63.5	3915	14.1	0.0	0.0	0.0	3972	12.7	189.5	399.6	256.8
3859	11.2	0.6	19.3	12.1	3916	14.2	0.0	0.0	0.0	3973	13.1	21.0	339.6	208.1
3860	10.6	4.7	16.4	13.9	3917	14.9	101.2	29.5	18.3	3974	13.4	10.7	288.1	177.5
3861	10.1	0.0	0.0	0.0	3918	15.2	79.2	96.6	59.7	3975	13.5	186.6	346.8	326.9
3862	9.6	0.0	0.0	0.0	3919	15.9	332.2	150.3	102.6	3976	13.2	4.1	161.2	100.0
3863	9.1	0.0	0.0	0.0	3920	17.1	15.0	189.3	114.4	3977	12.6	106.3	238.3	238.7
3864	8.7	0.0	0.0	0.0	3921	17.9	685.7	155.6	139.0	3978	12.1	0.7	38.6	23.9
3865	8.4	0.0	0.0	0.0	3922	19.5	437.2	274.8	198.8	3979	11.4	158.0	98.7	206.6
3866	8.2	0.0	0.0	0.0	3923	20.9	540.6	260.3	202.4	3980	10.2	15.1	24.0	27.3
3867	8.1	0.0	0.0	0.0	3924	20.7	336.8	356.8	244.3	3981	8.9	0.0	0.0	0.0
3868	8.4	0.0	0.0	0.0	3925	20.0	49.5	380.7	238.8	3982	7.8	0.0	0.0	0.0
3869	9.5	3.2	13.7	8.2	3926	19.5	952.7	160.9	513.2	3983	6.8	0.0	0.0	0.0
3870	10.1	43.5	90.6	55.3	3927	19.8	378.3	295.5	418.3	3984	5.9	0.0	0.0	0.0
3871	10.6	202.5	165.9	107.1	3928	20.2	389.2	249.8	459.6	3985	5.1	0.0	0.0	0.0
3872	12.0	487.0	174.2	130.2	3929	19.4	453.6	182.9	518.8	3986	4.6	0.0	0.0	0.0
3873	13.0	76.5	293.7	181.3	3930	18.6	32.6	151.7	121.9	3987	4.3	0.0	0.0	0.0
3874	14.4	354.5	303.2	209.4	3931	17.7	54.9	93.6	107.4	3988	4.8	0.0	0.0	0.0
3875	16.4	393.7	319.5	225.4	3932	16.3	9.6	21.6	21.2	3989	5.6	1.9	11.0	6.6
3876	18.3	42.1	373.4	227.8	3933	14.9	0.0	0.0	0.0	3990	6.9	1.3	30.3	18.2
3877	19.8	443.6	314.4	281.6	3934	13.8	0.0	0.0	0.0	3991	8.0	15.4	135.9	82.1
3878	19.9	454.0	295.8	376.1	3935	13.1	0.0	0.0	0.0	3992	8.6	170.3	237.7	151.6
3879	19.0	41.8	323.2	220.6	3936	12.3	0.0	0.0	0.0	3993	10.1	3.7	153.1	92.1
3880	18.9	60.3	287.8	220.7	3937	11.7	0.0	0.0	0.0	3994	11.2	1.1	99.1	59.6
3881	19.3	298.7	217.8	400.2	3938	11.3	0.0	0.0	0.0	3995	12.2	2.6	164.5	98.9
3882	19.6	39.2	154.8	130.1	3939	11.0	0.0	0.0	0.0	3996	13.7	905.7	160.4	177.6
3883	19.3	12.5	75.1	56.7	3940	10.9	0.0	0.0	0.0	3997	15.0	13.0	313.4	190.7
3884	18.6	10.7	21.5	22.0	3941	10.8	9.3	21.6	13.0	3998	15.4	49.3	363.4	239.6
3885	17.7	0.0	0.0	0.0	3942	10.2	14.1	77.5	46.8	3999	15.6	238.8	336.7	354.1
3886	16.9	0.0	0.0	0.0	3943	10.3	4.3	92.8	55.9	4000	15.9	158.7	300.0	306.1
3887	16.5	0.0	0.0	0.0	3944	11.3	8.2	167.9	101.2	4001	15.7	19.4	198.1	136.3
3888	16.1	0.0	0.0	0.0	3945	12.3	482.0	221.3	164.8	4002	15.5	29.4	150.1	117.9
3889	15.8	0.0	0.0	0.0	3946	13.3	2.4	145.3	87.4	4003	15.1	40.5	91.1	92.5
3890	15.6	0.0	0.0	0.0	3947	13.5	41.6	356.1	217.2	4004	14.3	14.6	24.0	26.9
3891	15.2	0.0	0.0	0.0	3948	13.2	5.2	242.6	146.0	4005	13.6	0.0	0.0	0.0
3892	14.9	0.0	0.0	0.0	3949	13.2	112.8	404.5	266.4	4006	12.9	0.0	0.0	0.0
3893	14.9	10.1	21.6	13.0	3950	13.9	20.9	323.8	203.4	4007	12.2	0.0	0.0	0.0
3894	15.2	23.6	83.8	50.8	3951	14.2	35.4	317.0	212.7	4008	11.6	0.0	0.0	0.0
3895	16.4	612.6	101.0	83.5	3952	14.5	12.5	230.6	148.3	4009	11.1	0.0	0.0	0.0
3896	17.7	2.3	96.0	57.7	3953	14.1	2.7	104.1	64.9	4010	10.7	0.0	0.0	0.0
3897	18.8	898.1	117.8	130.4	3954	13.2	5.6	106.2	69.1	4011	10.3	0.0	0.0	0.0
3898	20.1	38.6	320.1	195.1	3955	13.0	5.3	60.0	40.9	4012	10.1	0.0	0.0	0.0
3899	21.3	579.5	243.9	195.9	3956	12.1	4.3	16.4	13.5	4013	10.2	1.8	11.0	6.6
3900	21.8	48.0	379.3	231.9	3957	11.0	0.0	0.0	0.0	4014	10.6	9.9	72.8	43.9
3901	22.0	839.7	156.9	270.2	3958	10.2	0.0	0.0	0.0	4015	12.1	257.1	161.3	106.5
3902	22.5	32.3	344.7	220.9	3959	9.6	0.0	0.0	0.0	4016	14.1	253.3	227.0	149.6
3903	23.2	897.6	137.5	654.6	3960	9.1	0.0	0.0	0.0	4017	15.5	52.4	284.6	174.2
3904	23.3	13.2	232.9	150.3	3961	8.6	0.0	0.0	0.0	4018	16.6	643.1	197.4	168.5
3905	22.2	505.7	169.6	558.0	3962	8.3	0.0	0.0	0.0	4019	17.9	627.9	223.7	188.1
3906	21.0	2.3	68.6	43.4	3963	8.2	0.0	0.0	0.0	4020	19.2	295.1	371.5	249.4
3907	19.5	71.5	95.6	124.1	3964	8.4	0.0	0.0	0.0	4021	20.1	536.6	274.4	277.1
3908	18.1	6.3	19.0	16.8	3965	9.1	41.3	27.8	17.0	4022	20.9	457.4	294.7	376.7
3909	17.1	0.0	0.0	0.0	3966	9.9	11.8	75.2	45.4	4023	21.5	587.5	218.5	505.1
3910	16.2	0.0	0.0	0.0	3967	10.8	248.0	162.2	106.6	4024	22.0	343.0	263.3	430.6

4025	22.2	856.1	91.3	826.1
4026	22.0	55.8	162.3	150.2
4027	21.3	85.1	98.0	138.1
4028	20.0	8.5	21.7	20.2
4029	18.4	0.0	0.0	0.0
4030	17.1	0.0	0.0	0.0
4031	16.3	0.0	0.0	0.0
4032	15.4	0.0	0.0	0.0
4033	14.6	0.0	0.0	0.0
4034	14.0	0.0	0.0	0.0
4035	13.4	0.0	0.0	0.0
4036	12.9	0.0	0.0	0.0
4037	12.9	5.6	19.1	11.5
4038	13.5	75.5	97.3	60.0
4039	14.0	5.0	100.9	60.7
4040	14.5	105.6	238.5	148.7
4041	15.8	544.7	201.1	157.0
4042	17.1	677.0	184.9	163.7
4043	18.3	577.0	245.0	196.5
4044	19.9	512.3	285.0	217.0
4045	20.7	384.3	338.7	283.8
4046	20.6	557.9	253.0	395.6
4047	20.4	376.4	296.3	417.4
4048	19.2	81.3	295.9	242.1
4049	18.3	479.1	176.8	537.7
4050	18.3	514.8	119.5	559.5
4051	18.0	16.0	79.8	62.8
4052	17.1	8.3	21.7	20.1
4053	15.8	0.0	0.0	0.0
4054	14.9	0.0	0.0	0.0
4055	14.2	0.0	0.0	0.0
4056	13.5	0.0	0.0	0.0
4057	13.0	0.0	0.0	0.0
4058	12.6	0.0	0.0	0.0
4059	12.2	0.0	0.0	0.0
4060	12.1	0.0	0.0	0.0
4061	12.6	23.0	26.2	15.9
4062	13.0	199.5	97.7	63.0
4063	13.9	528.5	117.0	90.2
4064	15.6	245.1	228.5	150.1
4065	17.3	777.5	129.3	129.5
4066	18.7	545.0	234.6	183.2
4067	19.9	695.5	196.2	177.4
4068	21.9	915.5	162.3	179.6
4069	23.7	703.7	202.2	268.8
4070	25.0	373.7	327.3	359.6
4071	26.2	566.1	226.6	496.2
4072	26.8	618.0	177.2	597.4
4073	26.6	237.6	229.7	351.8
4074	26.4	725.8	81.4	736.5
4075	25.3	34.6	89.6	86.0
4076	23.6	8.2	21.7	20.0
4077	21.9	0.0	0.0	0.0
4078	20.5	0.0	0.0	0.0
4079	19.6	0.0	0.0	0.0
4080	18.6	0.0	0.0	0.0
4081	17.8	0.0	0.0	0.0
4082	17.2	0.0	0.0	0.0
4083	16.5	0.0	0.0	0.0
4084	16.1	0.0	0.0	0.0
4085	16.0	5.5	19.1	11.5
4086	16.4	21.9	84.1	50.9
4087	17.3	301.3	155.6	104.7
4088	17.9	124.7	239.5	150.3
4089	18.8	52.3	284.6	174.3
4090	19.5	223.4	340.2	221.5
4091	20.0	385.3	322.9	226.8
4092	20.4	118.2	405.1	253.7
4093	20.7	115.4	404.9	267.1
4094	21.0	163.2	385.2	302.5
4095	20.8	16.8	284.2	181.2
4096	19.8	43.9	279.1	202.3
4097	18.4	11.3	180.2	118.2
4098	17.4	8.0	119.2	79.1
4099	16.7	1.3	30.3	19.4
4100	15.9	5.5	19.1	16.1
4101	15.1	0.0	0.0	0.0
4102	14.3	0.0	0.0	0.0
4103	13.7	0.0	0.0	0.0
4104	13.1	0.0	0.0	0.0
4105	12.7	0.0	0.0	0.0
4106	12.6	0.0	0.0	0.0
4107	12.6	0.0	0.0	0.0
4108	12.9	0.0	0.0	0.0
4109	14.4	8.1	21.7	13.1
4110	16.0	104.4	99.2	61.8
4111	16.7	1.6	57.7	34.7
4112	17.7	318.2	214.7	145.7
4113	18.8	42.0	277.6	169.4
4114	19.2	321.2	314.1	213.5
4115	20.4	271.9	361.7	240.3
4116	21.6	26.3	351.4	213.2
4117	22.3	591.2	250.2	274.1
4118	23.5	47.6	362.0	238.0
4119	23.9	275.5	327.4	371.8
4120	22.8	50.1	283.3	209.8
4121	21.5	13.8	187.1	124.7
4122	20.9	3.1	79.4	50.6
4123	19.7	3.5	49.2	32.8
4124	18.3	5.5	19.1	16.1
4125	17.0	0.0	0.0	0.0
4126	15.8	0.0	0.0	0.0
4127	14.9	0.0	0.0	0.0
4128	14.0	0.0	0.0	0.0
4129	13.3	0.0	0.0	0.0
4130	12.9	0.0	0.0	0.0
4131	12.6	0.0	0.0	0.0
4132	12.7	0.0	0.0	0.0
4133	13.0	1.0	8.3	5.0
4134	12.8	5.7	62.6	37.7
4135	12.9	224.6	165.1	107.6
4136	13.8	692.2	122.1	110.0
4137	14.5	314.9	270.8	183.5
4138	15.5	816.1	140.5	147.9
4139	17.4	507.4	273.9	207.9
4140	19.2	807.8	164.4	171.2
4141	19.6	181.7	400.9	278.6
4142	19.3	24.5	331.8	209.8
4143	18.9	29.9	310.1	205.1
4144	18.2	13.1	233.0	150.2
4145	18.0	5.4	147.1	93.2
4146	17.6	429.9	134.8	488.2
4147	16.3	75.2	97.3	128.4
4148	15.0	8.2	21.7	20.0
4149	13.9	0.0	0.0	0.0
4150	13.0	0.0	0.0	0.0
4151	12.3	0.0	0.0	0.0
4152	11.6	0.0	0.0	0.0
4153	11.2	0.0	0.0	0.0
4154	10.9	0.0	0.0	0.0
4155	10.8	0.0	0.0	0.0
4156	11.0	0.0	0.0	0.0
4157	12.1	8.2	21.7	13.1
4158	13.1	331.8	88.0	60.1
4159	14.7	472.2	127.2	94.2
4160	16.7	550.8	158.2	124.2
4161	18.4	810.0	121.6	127.0
4162	19.6	566.7	226.1	179.8
4163	20.3	696.1	195.7	177.2
4164	21.7	447.5	312.6	227.7
4165	22.6	430.1	319.8	282.1
4166	23.3	501.4	276.3	384.8
4167	23.9	552.7	231.5	490.6
4168	23.8	372.1	254.9	448.6
4169	23.6	749.1	108.7	739.9
4170	23.3	739.4	79.1	748.0
4171	22.2	375.4	84.0	400.1
4172	20.3	13.7	24.1	26.2
4173	18.6	0.0	0.0	0.0
4174	17.2	0.0	0.0	0.0
4175	16.3	0.0	0.0	0.0
4176	15.3	0.0	0.0	0.0
4177	14.6	0.0	0.0	0.0
4178	14.0	0.0	0.0	0.0
4179	13.5	0.0	0.0	0.0
4180	13.2	0.0	0.0	0.0
4181	13.4	58.5	29.4	18.0
4182	14.4	40.2	91.2	55.6
4183	15.4	6.9	114.1	68.7
4184	16.9	382.5	200.2	140.4
4185	19.0	5.0	177.2	106.7
4186	21.1	396.5	289.0	204.3
4187	22.2	374.5	326.6	228.1
4188	22.8	156.7	403.9	256.4
4189	22.8	305.7	367.6	284.6
4190	21.8	616.0	228.3	406.1
4191	20.9	35.4	316.9	212.7
4192	20.4	433.3	236.4	486.2
4193	20.7	336.8	210.5	429.7
4194	20.8	302.8	155.1	380.0
4195	19.6	105.4	99.0	157.7

4196	18.1	8.4	21.7	20.1	4253	14.3	15.4	24.0	14.5	4310	19.5	8.5	273.3	167.7
4197	16.8	0.0	0.0	0.0	4254	15.0	61.3	94.9	58.3	4311	20.3	804.3	142.8	598.1
4198	15.8	0.0	0.0	0.0	4255	15.6	782.2	72.2	72.8	4312	21.3	542.3	200.9	552.0
4199	15.0	0.0	0.0	0.0	4256	16.8	93.7	236.6	146.9	4313	21.5	249.9	226.5	361.2
4200	14.3	0.0	0.0	0.0	4257	18.8	917.2	120.5	133.4	4314	20.9	334.4	149.5	406.9
4201	13.7	0.0	0.0	0.0	4258	19.3	366.2	299.0	207.9	4315	19.9	227.9	94.9	269.5
4202	13.3	0.0	0.0	0.0	4259	18.8	179.8	382.4	244.8	4316	19.0	9.8	21.6	21.3
4203	12.9	0.0	0.0	0.0	4260	19.4	466.9	303.8	224.2	4317	17.7	0.0	0.0	0.0
4204	13.0	0.0	0.0	0.0	4261	20.4	563.3	261.9	275.2	4318	16.7	0.0	0.0	0.0
4205	13.2	14.3	24.0	14.5	4262	20.9	673.9	204.2	417.1	4319	16.0	0.0	0.0	0.0
4206	13.3	60.1	95.1	58.4	4263	20.6	174.5	347.8	319.8	4320	15.3	0.0	0.0	0.0
4207	14.2	646.6	95.0	81.4	4264	20.1	20.3	250.4	166.4	4321	14.8	0.0	0.0	0.0
4208	15.5	141.5	239.0	150.9	4265	19.8	121.3	238.7	252.5	4322	14.4	0.0	0.0	0.0
4209	17.0	23.6	256.5	155.5	4266	19.0	692.3	86.6	708.3	4323	14.0	0.0	0.0	0.0
4210	18.5	602.7	212.2	174.3	4267	18.0	31.0	87.7	81.5	4324	14.1	0.0	0.0	0.0
4211	19.8	546.6	257.3	201.2	4268	17.2	9.0	21.6	20.7	4325	14.1	2.0	11.0	6.6
4212	21.0	556.1	265.3	209.2	4269	16.1	0.0	0.0	0.0	4326	14.1	2.5	41.1	24.7
4213	22.2	952.0	168.7	300.8	4270	15.1	0.0	0.0	0.0	4327	14.8	49.9	159.1	97.3
4214	22.4	440.2	301.1	373.0	4271	14.3	0.0	0.0	0.0	4328	15.3	8.4	167.8	101.1
4215	21.7	84.2	345.7	261.0	4272	13.6	0.0	0.0	0.0	4329	15.2	22.8	254.3	154.1
4216	21.7	101.5	299.1	260.1	4273	13.1	0.0	0.0	0.0	4330	14.6	13.6	272.8	164.7
4217	22.1	346.4	208.3	437.1	4274	12.7	0.0	0.0	0.0	4331	14.8	12.8	297.4	179.5
4218	22.2	17.0	138.0	98.9	4275	12.4	0.0	0.0	0.0	4332	15.7	50.1	380.2	232.6
4219	21.3	273.8	92.6	310.7	4276	12.3	0.0	0.0	0.0	4333	16.2	1.1	112.9	68.0
4220	19.7	8.5	21.7	20.3	4277	12.9	1.1	8.3	5.0	4334	16.2	82.7	379.4	263.8
4221	18.3	0.0	0.0	0.0	4278	14.4	3.2	46.5	28.0	4335	16.1	1.0	93.7	56.8
4222	17.3	0.0	0.0	0.0	4279	15.3	438.0	132.6	96.0	4336	15.9	30.9	265.6	183.9
4223	16.6	0.0	0.0	0.0	4280	16.1	754.4	107.1	104.2	4337	15.3	18.6	195.7	134.2
4224	15.9	0.0	0.0	0.0	4281	17.8	590.3	185.5	150.6	4338	14.5	0.7	38.6	23.9
4225	15.3	0.0	0.0	0.0	4282	19.1	707.3	173.3	159.0	4339	14.1	14.7	77.4	60.1
4226	14.9	0.0	0.0	0.0	4283	19.7	472.8	287.5	213.0	4340	13.7	3.1	13.7	10.9
4227	14.4	0.0	0.0	0.0	4284	20.4	864.2	153.7	169.8	4341	13.2	0.0	0.0	0.0
4228	14.0	0.0	0.0	0.0	4285	21.5	558.0	264.1	275.5	4342	12.8	0.0	0.0	0.0
4229	13.8	1.9	11.0	6.6	4286	22.2	399.9	316.5	364.7	4343	12.5	0.0	0.0	0.0
4230	13.2	5.8	62.6	37.7	4287	22.8	500.1	250.8	469.0	4344	12.2	0.0	0.0	0.0
4231	12.6	4.5	95.5	57.5	4288	22.9	694.6	152.3	643.7	4345	12.0	0.0	0.0	0.0
4232	12.2	18.3	195.9	118.5	4289	22.6	272.4	222.8	379.2	4346	11.9	0.0	0.0	0.0
4233	12.4	19.2	248.4	150.3	4290	22.4	181.4	167.9	272.8	4347	11.8	0.0	0.0	0.0
4234	13.3	1.1	99.1	59.6	4291	21.3	191.5	97.1	236.8	4348	12.0	0.0	0.0	0.0
4235	14.3	43.2	357.5	218.2	4292	19.5	16.1	23.9	28.1	4349	13.0	32.4	25.7	15.6
4236	15.4	2.4	167.3	100.6	4293	17.8	0.0	0.0	0.0	4350	14.5	379.3	81.9	57.4
4237	16.5	202.0	396.7	280.4	4294	16.5	0.0	0.0	0.0	4351	15.8	167.8	167.8	107.0
4238	17.0	1.1	107.4	64.9	4295	15.6	0.0	0.0	0.0	4352	16.8	510.7	167.3	127.3
4239	16.5	6.3	228.4	141.1	4296	14.7	0.0	0.0	0.0	4353	17.4	867.4	113.8	125.9
4240	16.0	10.6	223.5	142.5	4297	14.0	0.0	0.0	0.0	4354	17.8	790.1	146.4	149.1
4241	15.9	1.1	66.1	40.6	4298	13.5	0.0	0.0	0.0	4355	18.6	719.7	185.8	173.0
4242	15.8	6.0	108.8	71.0	4299	13.0	0.0	0.0	0.0	4356	19.4	591.1	249.2	202.5
4243	15.7	22.6	83.9	71.4	4300	12.8	0.0	0.0	0.0	4357	19.7	111.6	403.0	265.2
4244	15.3	4.2	16.4	13.4	4301	12.4	28.7	25.9	15.7	4358	19.9	785.9	162.6	441.3
4245	14.9	0.0	0.0	0.0	4302	12.6	7.7	67.8	40.8	4359	19.8	109.1	348.8	278.8
4246	14.5	0.0	0.0	0.0	4303	13.5	0.7	38.6	23.2	4360	19.8	667.5	160.2	627.5
4247	14.3	0.0	0.0	0.0	4304	14.1	854.5	90.9	99.7	4361	20.1	194.5	233.7	315.8
4248	14.0	0.0	0.0	0.0	4305	14.8	6.6	198.4	119.5	4362	19.5	54.4	160.2	147.7
4249	13.8	0.0	0.0	0.0	4306	15.9	171.1	347.8	222.0	4363	17.8	199.9	95.7	244.0
4250	13.7	0.0	0.0	0.0	4307	16.8	188.5	380.6	244.5	4364	16.1	10.9	21.5	22.2
4251	13.5	0.0	0.0	0.0	4308	18.0	95.1	401.0	249.1	4365	14.9	0.0	0.0	0.0
4252	13.6	0.0	0.0	0.0	4309	19.1	730.1	190.8	267.5	4366	14.2	0.0	0.0	0.0

4367	13.5	0.0	0.0	0.0
4368	12.8	0.0	0.0	0.0
4369	12.2	0.0	0.0	0.0
4370	11.8	0.0	0.0	0.0
4371	11.3	0.0	0.0	0.0
4372	11.1	0.0	0.0	0.0
4373	10.8	20.5	23.7	14.4
4374	10.8	5.0	57.3	34.5
4375	12.1	258.6	159.1	105.1
4376	13.8	53.3	224.8	137.7
4377	14.4	232.3	287.8	188.1
4378	14.9	24.8	300.3	182.1
4379	16.3	641.6	216.7	184.8
4380	18.2	177.3	399.9	255.8
4381	19.2	266.0	379.0	283.1
4382	19.1	14.0	301.9	187.3
4383	19.4	194.8	343.7	330.4
4384	19.4	23.0	254.2	170.8
4385	18.6	87.9	234.4	220.0
4386	18.4	84.0	165.9	179.3
4387	17.7	45.0	90.3	96.2
4388	16.2	6.9	19.0	17.3
4389	15.0	0.0	0.0	0.0
4390	14.1	0.0	0.0	0.0
4391	13.4	0.0	0.0	0.0
4392	12.7	0.0	0.0	0.0
4393	12.3	0.0	0.0	0.0
4394	12.0	0.0	0.0	0.0
4395	11.7	0.0	0.0	0.0
4396	11.8	0.0	0.0	0.0
4397	12.5	12.5	21.5	12.9
4398	13.4	5.0	57.3	34.5
4399	14.0	397.8	138.1	97.7
4400	15.3	80.6	232.7	143.9
4401	16.7	199.4	293.1	189.1
4402	17.1	384.6	291.4	204.7
4403	17.4	182.6	380.5	243.9
4404	18.2	587.2	250.5	202.9
4405	19.8	430.9	317.9	281.1
4406	21.1	477.7	284.5	379.8
4407	22.3	397.6	287.0	425.8
4408	22.8	94.1	296.1	252.6
4409	22.6	454.4	181.0	519.0
4410	22.2	171.2	166.9	262.7
4411	21.1	15.6	77.2	60.9
4412	19.5	7.2	19.0	17.6
4413	17.9	0.0	0.0	0.0
4414	16.7	0.0	0.0	0.0
4415	15.8	0.0	0.0	0.0
4416	14.9	0.0	0.0	0.0
4417	14.1	0.0	0.0	0.0
4418	13.5	0.0	0.0	0.0
4419	12.9	0.0	0.0	0.0
4420	12.6	0.0	0.0	0.0
4421	12.5	5.1	16.4	9.8
4422	12.5	30.6	85.2	51.7
4423	13.8	8.6	119.0	71.7
4424	15.8	77.4	231.7	143.1
4425	17.7	797.3	123.2	126.7
4426	19.7	311.8	314.6	212.9
4427	21.1	631.7	220.4	186.2
4428	21.9	858.3	153.4	168.8
4429	22.5	50.7	379.7	238.5
4430	22.6	669.2	205.1	416.1
4431	22.3	44.5	323.9	222.8
4432	22.0	211.4	290.9	343.0
4433	22.3	378.8	198.8	461.5
4434	22.7	191.4	165.1	281.0
4435	22.0	35.5	86.9	85.3
4436	20.3	7.7	19.0	18.0
4437	18.8	0.0	0.0	0.0
4438	17.8	0.0	0.0	0.0
4439	17.1	0.0	0.0	0.0
4440	16.4	0.0	0.0	0.0
4441	15.8	0.0	0.0	0.0
4442	15.4	0.0	0.0	0.0
4443	14.9	0.0	0.0	0.0
4444	14.6	0.0	0.0	0.0
4445	14.9	14.9	21.3	12.9
4446	15.5	13.9	74.8	45.2
4447	17.3	87.2	165.0	102.2
4448	19.1	811.7	95.0	99.6
4449	20.2	408.2	241.8	172.1
4450	21.7	600.8	211.4	173.3
4451	23.3	652.0	211.9	182.7
4452	24.4	462.5	304.2	223.8
4453	25.3	841.2	155.3	269.6
4454	26.4	614.1	227.5	405.5
4455	26.7	593.7	214.0	507.5
4456	26.5	224.0	288.3	351.6
4457	26.2	686.1	121.8	693.3
4458	25.9	133.8	167.1	227.6
4459	24.7	336.9	84.2	365.5
4460	22.8	14.9	21.3	25.5
4461	21.0	0.0	0.0	0.0
4462	19.5	0.0	0.0	0.0
4463	18.6	0.0	0.0	0.0
4464	17.6	0.0	0.0	0.0
4465	16.8	0.0	0.0	0.0
4466	16.1	0.0	0.0	0.0
4467	15.5	0.0	0.0	0.0
4468	15.2	0.0	0.0	0.0
4469	15.7	119.3	26.4	16.5
4470	16.6	116.0	95.0	59.4
4471	18.0	369.3	141.5	98.6
4472	19.6	412.9	190.1	135.6
4473	21.1	522.4	205.8	158.0
4474	22.5	750.4	157.6	152.5
4475	23.5	456.8	292.3	214.3
4476	25.0	481.7	295.8	220.5
4477	26.4	627.7	232.3	271.0
4478	26.8	513.3	269.2	386.4
4479	26.7	768.6	151.9	582.1
4480	26.4	693.7	151.2	644.2
4481	25.8	514.1	165.1	564.0
4482	25.2	509.8	117.5	555.6
4483	23.9	104.3	94.7	154.4
4484	21.8	16.5	21.3	26.9
4485	19.8	0.0	0.0	0.0
4486	18.2	0.0	0.0	0.0
4487	17.1	0.0	0.0	0.0
4488	16.0	0.0	0.0	0.0
4489	15.1	0.0	0.0	0.0
4490	14.4	0.0	0.0	0.0
4491	13.7	0.0	0.0	0.0
4492	13.3	0.0	0.0	0.0
4493	13.5	18.4	21.2	12.8
4494	13.6	44.9	87.8	53.6
4495	14.8	137.6	166.1	104.7
4496	16.7	349.2	204.2	140.8
4497	17.8	838.4	115.0	124.3
4498	18.0	464.1	262.1	193.1
4499	18.4	692.3	195.4	176.2
4500	19.3	827.4	157.8	168.5
4501	20.2	745.0	184.0	266.7
4502	21.4	508.6	270.9	385.5
4503	22.6	352.2	301.0	405.7
4504	23.0	574.5	188.7	571.8
4505	22.9	601.0	142.6	629.5
4506	22.9	19.3	137.4	100.8
4507	22.1	146.1	94.4	193.4
4508	20.5	18.4	21.2	28.5
4509	19.0	0.0	0.0	0.0
4510	17.8	0.0	0.0	0.0
4511	17.1	0.0	0.0	0.0
4512	16.4	0.0	0.0	0.0
4513	15.8	0.0	0.0	0.0
4514	15.4	0.0	0.0	0.0
4515	15.0	0.0	0.0	0.0
4516	14.9	0.0	0.0	0.0
4517	16.1	37.8	22.9	13.9
4518	17.9	165.4	93.4	59.5
4519	19.2	710.6	81.3	74.9
4520	20.4	646.3	130.8	112.2
4521	21.8	252.2	281.5	185.5
4522	22.5	528.9	237.7	183.4
4523	23.5	243.1	366.0	240.3
4524	24.7	177.2	398.0	254.6
4525	25.3	425.5	318.8	280.5
4526	25.4	292.7	351.7	339.4
4527	26.0	729.2	164.2	564.9
4528	26.6	618.5	174.3	598.6
4529	26.4	419.1	187.8	492.2
4530	26.0	476.8	122.5	527.7
4531	25.1	361.1	80.5	386.6
4532	23.6	11.0	18.8	20.7
4533	21.9	0.0	0.0	0.0
4534	20.6	0.0	0.0	0.0
4535	19.6	0.0	0.0	0.0
4536	18.6	0.0	0.0	0.0
4537	17.7	0.0	0.0	0.0

4538	16.9	0.0	0.0	0.0
4539	16.0	0.0	0.0	0.0
4540	15.2	0.0	0.0	0.0
4541	14.1	6.7	16.3	9.8
4542	13.8	2.4	38.4	23.1
4543	15.4	105.6	164.2	102.4
4544	16.8	473.0	174.3	129.1
4545	17.1	1.1	82.6	49.6
4546	16.8	18.8	285.6	172.8
4547	16.7	29.1	336.5	204.4
4548	16.5	6.0	255.8	154.0
4549	16.1	9.2	289.1	175.4
4550	15.8	5.3	231.6	141.3
4551	16.0	116.7	346.5	282.6
4552	16.8	1.3	90.8	55.5
4553	16.6	336.7	206.0	428.8
4554	16.1	5.1	98.1	63.7
4555	15.8	81.2	91.6	131.0
4556	15.2	12.3	18.8	21.8
4557	14.4	0.0	0.0	0.0
4558	13.8	0.0	0.0	0.0
4559	13.2	0.0	0.0	0.0
4560	12.7	0.0	0.0	0.0
4561	12.3	0.0	0.0	0.0
4562	12.0	0.0	0.0	0.0
4563	11.8	0.0	0.0	0.0
4564	12.2	0.0	0.0	0.0
4565	12.6	48.8	22.4	13.7
4566	12.9	84.2	91.1	56.4
4567	14.1	100.9	163.3	101.7
4568	15.9	270.4	218.5	145.1
4569	17.4	52.5	279.6	171.2
4570	17.8	376.3	292.0	204.1
4571	17.5	235.9	367.0	240.2
4572	17.9	210.5	390.9	253.3
4573	19.0	693.9	203.6	267.7
4574	20.0	179.8	378.4	306.0
4575	20.1	21.7	291.7	188.9
4576	19.0	558.0	193.1	562.1
4577	18.9	82.3	229.7	212.4
4578	18.9	121.4	164.2	214.4
4579	17.8	16.3	74.4	60.0
4580	16.5	7.3	16.3	16.1
4581	15.3	0.0	0.0	0.0
4582	14.3	0.0	0.0	0.0
4583	13.5	0.0	0.0	0.0
4584	12.8	0.0	0.0	0.0
4585	12.2	0.0	0.0	0.0
4586	11.9	0.0	0.0	0.0
4587	11.6	0.0	0.0	0.0
4588	11.8	0.0	0.0	0.0
4589	12.6	31.2	20.6	12.5
4590	13.2	87.4	90.6	56.1
4591	13.7	688.6	84.0	75.4
4592	14.6	4.4	128.3	77.2
4593	15.9	767.4	129.1	127.7
4594	17.6	33.7	310.3	188.8
4595	19.8	291.4	350.9	235.2
4596	21.0	233.0	385.2	251.8
4597	20.3	157.7	399.1	272.6
4598	19.9	351.2	330.9	352.8
4599	20.4	108.3	344.9	276.3
4600	20.2	92.6	292.3	249.5
4601	20.4	371.2	197.5	455.3
4602	20.2	1.3	49.5	31.0
4603	19.4	136.3	91.8	183.0
4604	18.8	8.1	16.3	16.7
4605	17.8	0.0	0.0	0.0
4606	16.9	0.0	0.0	0.0
4607	16.3	0.0	0.0	0.0
4608	15.8	0.0	0.0	0.0
4609	15.4	0.0	0.0	0.0
4610	15.2	0.0	0.0	0.0
4611	14.9	0.0	0.0	0.0
4612	14.7	0.0	0.0	0.0
4613	14.5	1.9	8.2	5.0
4614	14.1	14.8	72.0	43.5
4615	14.6	6.8	108.7	65.4
4616	15.7	24.1	198.7	120.5
4617	15.9	111.6	293.9	183.6
4618	16.5	2.9	156.1	93.9
4619	17.3	563.0	247.0	195.8
4620	17.6	6.6	263.6	158.8
4621	17.9	25.2	344.4	211.9
4622	17.7	33.2	341.4	219.4
4623	17.8	1.0	93.7	56.9
4624	18.0	386.1	245.5	456.5
4625	17.6	2.9	104.1	65.0
4626	17.5	60.1	156.1	151.1
4627	17.4	2.5	38.4	25.4
4628	16.9	3.4	10.9	9.5
4629	16.3	0.0	0.0	0.0
4630	15.9	0.0	0.0	0.0
4631	15.7	0.0	0.0	0.0
4632	15.4	0.0	0.0	0.0
4633	15.2	0.0	0.0	0.0
4634	15.1	0.0	0.0	0.0
4635	14.9	0.0	0.0	0.0
4636	14.9	0.0	0.0	0.0
4637	14.3	2.0	8.2	5.0
4638	14.5	9.1	64.9	39.1
4639	16.6	26.3	140.6	85.3
4640	18.3	122.6	231.6	145.2
4641	19.5	281.2	272.6	181.9
4642	21.5	35.7	311.6	189.7
4643	23.6	642.4	214.0	182.7
4644	24.6	354.3	345.1	238.5
4645	24.9	145.5	399.1	270.0
4646	25.0	354.6	328.9	353.2
4647	25.5	313.8	310.5	387.6
4648	25.3	420.0	235.0	477.7
4649	25.2	238.9	221.9	350.3
4650	25.3	554.9	106.4	594.4
4651	24.0	132.8	90.2	179.0
4652	22.2	10.5	16.2	18.8
4653	20.7	0.0	0.0	0.0
4654	19.9	0.0	0.0	0.0
4655	19.4	0.0	0.0	0.0
4656	18.8	0.0	0.0	0.0
4657	18.4	0.0	0.0	0.0
4658	18.1	0.0	0.0	0.0
4659	17.7	0.0	0.0	0.0
4660	17.7	0.0	0.0	0.0
4661	17.3	26.4	18.2	11.0
4662	16.7	11.3	67.2	40.6
4663	17.0	5.3	98.1	59.1
4664	17.6	6.2	149.6	90.1
4665	18.2	138.7	293.3	185.0
4666	18.7	1.4	110.0	66.1
4667	19.5	718.9	183.7	170.9
4668	19.7	1.2	115.6	69.5
4669	19.3	648.8	221.5	269.0
4670	19.7	55.5	361.7	241.4
4671	19.6	175.4	341.4	317.4
4672	19.2	251.1	278.6	368.6
4673	19.1	82.7	227.2	211.5
4674	18.9	72.9	157.3	164.2
4675	17.8	8.0	62.3	44.9
4676	16.3	12.4	16.1	20.3
4677	15.2	0.0	0.0	0.0
4678	14.5	0.0	0.0	0.0
4679	14.2	0.0	0.0	0.0
4680	13.8	0.0	0.0	0.0
4681	13.6	0.0	0.0	0.0
4682	13.6	0.0	0.0	0.0
4683	13.4	0.0	0.0	0.0
4684	13.9	0.0	0.0	0.0
4685	14.1	6.9	13.6	8.2
4686	13.9	24.4	75.8	46.0
4687	15.0	510.2	113.2	86.1
4688	16.1	32.6	205.6	125.0
4689	16.4	633.8	167.2	141.5
4690	17.2	6.1	220.4	132.7
4691	18.7	83.9	373.9	231.4
4692	20.0	402.5	325.6	230.9
4693	20.3	207.5	389.3	277.1
4694	20.8	369.8	322.5	356.3
4695	22.1	427.1	272.3	437.8
4696	22.2	34.8	263.6	186.1
4697	21.4	142.6	230.1	267.9
4698	21.3	80.2	157.6	171.4
4699	20.7	24.4	75.8	68.4
4700	19.2	14.7	16.0	22.3
4701	17.9	0.0	0.0	0.0
4702	16.8	0.0	0.0	0.0
4703	16.0	0.0	0.0	0.0
4704	15.3	0.0	0.0	0.0
4705	14.7	0.0	0.0	0.0
4706	14.2	0.0	0.0	0.0
4707	13.8	0.0	0.0	0.0
4708	13.6	0.0	0.0	0.0

4709	13.7	73.6	19.0	11.7
4710	13.6	42.2	80.7	49.3
4711	13.9	48.2	149.6	91.5
4712	14.9	35.3	207.1	126.0
4713	16.0	359.9	250.8	173.8
4714	17.2	326.0	305.3	208.0
4715	18.3	220.6	367.7	239.2
4716	19.0	610.8	237.2	196.2
4717	19.5	28.9	349.5	215.8
4718	21.0	824.8	149.6	453.0
4719	22.0	26.0	296.9	194.9
4720	21.5	196.4	287.0	330.0
4721	20.6	182.2	226.9	302.2
4722	19.8	19.3	132.1	97.7
4723	18.7	85.4	86.2	132.2
4724	17.0	17.6	15.9	24.8
4725	15.5	0.0	0.0	0.0
4726	14.6	0.0	0.0	0.0
4727	13.9	0.0	0.0	0.0
4728	13.2	0.0	0.0	0.0
4729	12.6	0.0	0.0	0.0
4730	12.3	0.0	0.0	0.0
4731	12.1	0.0	0.0	0.0
4732	12.1	0.0	0.0	0.0
4733	13.4	89.2	18.5	11.4
4734	14.8	19.0	71.4	43.2
4735	16.4	421.9	126.7	90.9
4736	18.7	795.0	94.9	97.3
4737	20.3	699.1	146.6	133.1
4738	21.4	574.1	217.8	174.3
4739	22.1	714.8	184.6	170.8
4740	23.6	551.4	262.4	206.1
4741	24.8	697.8	200.5	266.7
4742	24.3	542.8	253.6	391.4
4743	24.1	740.4	158.4	571.5
4744	24.1	264.6	273.9	377.1
4745	23.9	426.6	181.4	497.9
4746	23.6	392.9	131.3	455.8
4747	22.5	143.1	86.5	186.9
4748	20.6	21.6	15.8	28.1
4749	18.9	0.0	0.0	0.0
4750	17.6	0.0	0.0	0.0
4751	16.7	0.0	0.0	0.0
4752	15.8	0.0	0.0	0.0
4753	15.1	0.0	0.0	0.0
4754	14.6	0.0	0.0	0.0
4755	14.1	0.0	0.0	0.0
4756	13.8	0.0	0.0	0.0
4757	14.6	398.8	14.7	10.2
4758	15.3	287.7	78.9	52.8
4759	16.4	22.5	133.8	81.1
4760	17.9	645.2	127.5	109.1
4761	18.7	229.5	280.2	182.9
4762	20.2	724.3	163.5	153.0
4763	21.9	668.3	202.3	177.4
4764	23.2	940.8	163.2	180.7
4765	23.5	76.7	388.2	249.0
4766	23.5	674.6	199.8	417.4
4767	23.7	78.6	335.0	251.6
4768	23.1	486.4	212.3	518.9
4769	22.1	306.3	206.7	403.6
4770	21.2	113.2	157.7	203.3
4771	20.5	73.1	83.4	119.0
4772	19.5	26.9	15.6	32.7
4773	18.5	0.0	0.0	0.0
4774	17.8	0.0	0.0	0.0
4775	17.4	0.0	0.0	0.0
4776	17.0	0.0	0.0	0.0
4777	16.8	0.0	0.0	0.0
4778	16.6	0.0	0.0	0.0
4779	16.4	0.0	0.0	0.0
4780	16.1	0.0	0.0	0.0
4781	16.0	222.9	16.6	10.7
4782	16.0	487.4	61.7	46.1
4783	16.3	166.2	156.2	99.5
4784	17.6	284.2	210.1	140.3
4785	19.5	625.9	168.1	141.1
4786	20.7	986.8	147.1	162.9
4787	21.4	79.1	370.1	228.7
4788	22.1	569.1	254.2	202.5
4789	22.8	575.3	251.5	271.6
4790	23.8	690.0	193.5	420.6
4791	24.2	673.5	180.7	542.5
4792	23.6	120.1	289.7	270.5
4793	23.2	338.3	199.6	428.8
4794	22.8	23.2	133.6	102.5
4795	21.5	88.4	83.5	133.6
4796	19.6	34.2	15.4	38.9
4797	18.1	0.0	0.0	0.0
4798	17.3	0.0	0.0	0.0
4799	16.8	0.0	0.0	0.0
4800	16.4	0.0	0.0	0.0
4801	16.0	0.0	0.0	0.0
4802	15.8	0.0	0.0	0.0
4803	15.6	0.0	0.0	0.0
4804	15.4	0.0	0.0	0.0
4805	15.1	0.4	2.8	1.7
4806	15.0	1.5	27.5	16.5
4807	15.5	4.8	90.0	54.2
4808	16.2	3.7	114.8	69.1
4809	16.9	12.7	222.5	134.3
4810	17.8	25.9	294.4	178.6
4811	17.9	115.3	376.2	235.3
4812	17.8	7.0	266.1	160.3
4813	17.6	1.6	134.7	81.1
4814	17.4	3.0	172.5	104.8
4815	18.0	4.7	193.7	119.2
4816	18.2	27.4	252.0	173.2
4817	17.9	4.4	125.6	79.4
4818	17.7	6.2	100.7	66.3
4819	17.4	2.6	35.6	23.8
4820	16.8	3.6	8.2	8.1
4821	16.2	0.0	0.0	0.0
4822	15.7	0.0	0.0	0.0
4823	15.5	0.0	0.0	0.0
4824	15.2	0.0	0.0	0.0
4825	14.9	0.0	0.0	0.0
4826	14.8	0.0	0.0	0.0
4827	14.6	0.0	0.0	0.0
4828	14.6	0.0	0.0	0.0
4829	14.5	55.3	14.8	9.0
4830	14.2	41.4	75.8	46.2
4831	14.6	0.6	33.1	19.9
4832	16.0	150.7	224.9	142.5
4833	16.6	1.9	104.4	62.7
4834	16.3	54.9	322.7	197.7
4835	16.3	4.7	215.5	129.7
4836	15.8	5.2	237.1	142.7
4837	15.7	1.5	129.2	77.9
4838	15.7	1.2	107.4	64.9
4839	15.7	1.1	93.6	56.9
4840	15.9	3.0	131.4	81.3
4841	15.2	5.7	141.6	90.2
4842	14.8	9.8	113.3	77.4
4843	14.6	0.4	13.8	8.7
4844	13.9	4.0	8.2	8.4
4845	13.1	0.0	0.0	0.0
4846	12.5	0.0	0.0	0.0
4847	12.0	0.0	0.0	0.0
4848	11.6	0.0	0.0	0.0
4849	11.2	0.0	0.0	0.0
4850	10.9	0.0	0.0	0.0
4851	10.8	0.0	0.0	0.0
4852	10.9	0.0	0.0	0.0
4853	12.0	9.9	10.8	6.5
4854	13.4	6.0	51.7	31.1
4855	14.9	704.4	76.8	70.1
4856	16.1	70.1	218.0	134.3
4857	16.6	821.4	114.1	120.8
4858	16.7	22.1	286.2	173.4
4859	17.5	972.7	159.5	176.6
4860	18.4	68.3	382.2	235.3
4861	18.9	490.6	286.4	274.7
4862	19.9	699.7	188.9	274.7
4863	20.9	7.9	235.7	274.7
4864	21.9	313.9	258.9	274.7
4865	22.9	444.7	173.8	274.7
4866	23.9	257.4	145.7	274.7
4867	24.9	37.4	73.8	274.7
4868	25.9	29.1	12.9	274.7
4869	26.9	0.0	0.0	274.7
4870	14.4	0.0	0.0	0.0
4871	13.7	0.0	0.0	0.0
4872	13.0	0.0	0.0	0.0
4873	12.4	0.0	0.0	0.0
4874	11.9	0.0	0.0	0.0
4875	11.5	0.0	0.0	0.0
4876	11.4	0.0	0.0	0.0
4877	11.6	12.9	10.7	6.5
4878	11.9	28.1	70.0	42.5
4879	12.4	478.8	113.1	84.1

4880	13.7	821.5	88.7	93.9
4881	15.6	889.7	111.4	123.3
4882	17.3	272.1	316.1	210.0
4883	18.3	495.6	270.2	210.0
4884	19.3	420.9	314.5	210.0
4885	20.3	138.5	393.5	210.0
4886	21.3	489.1	272.8	210.0
4887	22.3	357.2	291.4	210.0
4888	23.3	594.8	176.0	210.0
4889	24.3	267.3	209.7	210.0
4890	25.3	558.7	99.9	210.0
4891	26.3	65.3	77.3	210.0
4892	27.3	12.9	10.7	210.0
4893	19.5	0.0	0.0	0.0
4894	18.5	0.0	0.0	0.0
4895	17.9	0.0	0.0	0.0
4896	17.2	0.0	0.0	0.0
4897	16.7	0.0	0.0	0.0
4898	16.3	0.0	0.0	0.0
4899	15.9	0.0	0.0	0.0
4900	15.5	0.0	0.0	0.0
4901	15.7	0.0	0.0	0.0
4902	15.9	16.8	63.7	38.5
4903	16.3	635.5	86.7	73.4
4904	17.6	222.8	215.5	140.2
4905	18.9	892.7	111.4	123.3
4906	19.5	441.5	262.6	190.5
4907	19.3	19.3	309.1	187.0
4908	19.5	741.0	181.8	173.6
4909	20.4	882.1	151.0	275.6
4910	21.0	197.7	367.2	307.9
4911	21.6	386.7	281.2	419.0
4912	21.9	115.6	285.3	264.8
4913	21.6	222.8	215.5	333.9
4914	21.2	66.8	147.0	152.8
4915	20.0	7.6	54.2	39.7
4916	18.6	0.0	0.0	0.0
4917	17.3	0.0	0.0	0.0
4918	16.3	0.0	0.0	0.0
4919	15.7	0.0	0.0	0.0
4920	15.1	0.0	0.0	0.0
4921	14.7	0.0	0.0	0.0
4922	14.4	0.0	0.0	0.0
4923	14.1	0.0	0.0	0.0
4924	14.0	0.0	0.0	0.0
4925	14.2	0.0	0.0	0.0
4926	14.6	18.1	63.6	38.4
4927	15.6	242.7	144.2	94.6
4928	16.3	381.0	185.8	130.2
4929	16.8	63.1	274.2	168.5
4930	18.1	805.2	137.4	142.4
4931	19.7	190.9	367.6	236.4
4932	20.7	81.3	385.2	238.2
4933	21.0	625.0	228.1	268.0
4934	21.6	73.9	364.0	251.2
4935	23.0	350.7	292.1	402.4
4936	23.3	789.9	119.6	711.8
4937	22.3	219.2	215.0	330.5
4938	22.0	157.4	150.3	242.4
4939	21.4	11.9	59.1	46.8
4940	19.7	0.0	0.0	0.0
4941	18.4	0.0	0.0	0.0
4942	17.5	0.0	0.0	0.0
4943	16.9	0.0	0.0	0.0
4944	16.3	0.0	0.0	0.0
4945	15.8	0.0	0.0	0.0
4946	15.5	0.0	0.0	0.0
4947	15.1	0.0	0.0	0.0
4948	14.9	0.0	0.0	0.0
4949	15.4	0.0	0.0	0.0
4950	16.2	291.6	70.2	47.1
4951	17.2	21.8	126.1	76.4
4952	18.6	231.4	212.3	138.7
4953	20.0	69.8	275.7	169.8
4954	21.6	421.1	268.3	192.3
4955	22.4	814.4	149.7	156.9
4956	23.1	647.1	218.5	187.1
4957	23.8	45.2	363.8	227.7
4958	23.6	532.1	254.0	388.3
4959	23.5	674.2	177.9	543.9
4960	24.0	88.8	280.4	240.3
4961	24.2	854.0	84.2	836.3
4962	23.9	7.0	100.5	67.0
4963	23.5	94.5	75.7	135.4
4964	22.6	0.0	0.0	0.0
4965	21.4	0.0	0.0	0.0
4966	20.2	0.0	0.0	0.0
4967	19.4	0.0	0.0	0.0
4968	18.6	0.0	0.0	0.0
4969	18.0	0.0	0.0	0.0
4970	17.4	0.0	0.0	0.0
4971	16.7	0.0	0.0	0.0
4972	16.0	0.0	0.0	0.0
4973	15.7	0.0	0.0	0.0
4974	16.4	133.3	75.1	47.3
4975	17.9	284.0	137.4	91.8
4976	19.6	691.0	112.5	101.0
4977	21.4	364.0	242.0	168.0
4978	22.8	510.9	236.1	179.5
4979	24.0	822.5	147.4	156.1
4980	25.6	625.9	227.0	190.3
4981	27.1	887.6	151.3	276.9
4982	27.8	661.2	202.0	414.5
4983	28.1	325.5	298.2	390.2
4984	28.2	626.1	164.4	607.0
4985	27.9	343.8	191.8	431.7
4986	27.6	722.3	71.5	743.0
4987	26.5	88.6	74.2	129.0
4988	24.7	0.0	0.0	0.0
4989	23.0	0.0	0.0	0.0
4990	21.7	0.0	0.0	0.0
4991	20.8	0.0	0.0	0.0
4992	20.0	0.0	0.0	0.0
4993	19.3	0.0	0.0	0.0
4994	18.7	0.0	0.0	0.0
4995	18.1	0.0	0.0	0.0
4996	17.8	0.0	0.0	0.0
4997	17.7	0.0	0.0	0.0
4998	17.5	60.3	70.7	43.4
4999	18.7	136.5	147.3	92.8
5000	20.6	871.0	83.0	91.9
5001	21.5	136.1	281.9	177.6
5002	23.6	987.9	143.9	159.3
5003	27.0	410.2	300.4	213.9
5004	28.5	924.7	157.2	174.1
5005	29.3	666.8	209.6	265.6
5006	30.3	892.8	144.4	483.0
5007	31.1	522.7	231.3	478.4
5008	30.8	740.3	130.9	680.1
5009	29.0	422.4	174.2	494.0
5010	27.7	39.0	134.5	118.6
5011	26.5	60.3	70.7	100.0
5012	24.7	0.0	0.0	0.0
5013	22.8	0.0	0.0	0.0
5014	21.5	0.0	0.0	0.0
5015	20.6	0.0	0.0	0.0
5016	19.7	0.0	0.0	0.0
5017	19.0	0.0	0.0	0.0
5018	18.3	0.0	0.0	0.0
5019	17.7	0.0	0.0	0.0
5020	17.4	0.0	0.0	0.0
5021	18.3	0.0	0.0	0.0
5022	18.2	38.6	66.1	40.3
5023	17.6	406.7	118.9	84.5
5024	18.8	86.3	214.2	132.6
5025	20.8	722.7	135.2	126.0
5026	22.5	114.6	332.5	207.9
5027	23.0	789.4	155.7	158.0
5028	22.9	37.7	353.7	215.5
5029	23.2	614.6	230.8	267.3
5030	24.1	119.0	369.5	274.6
5031	24.4	364.8	284.7	408.0
5032	24.2	24.3	240.5	164.0
5033	23.8	237.6	208.4	344.3
5034	23.8	8.3	102.9	69.8
5035	23.4	298.3	66.2	324.6
5036	22.0	0.0	0.0	0.0
5037	20.5	0.0	0.0	0.0
5038	19.3	0.0	0.0	0.0
5039	18.5	0.0	0.0	0.0
5040	17.8	0.0	0.0	0.0
5041	17.2	0.0	0.0	0.0
5042	16.7	0.0	0.0	0.0
5043	16.3	0.0	0.0	0.0
5044	16.2	0.0	0.0	0.0
5045	16.6	0.0	0.0	0.0
5046	17.0	61.2	68.2	41.9
5047	18.2	25.8	125.1	75.9
5048	20.4	202.9	211.6	136.7
5049	21.7	531.1	191.4	147.7
5050	22.4	820.2	132.4	139.6

5051	23.5	588.1	229.6	185.7
5052	24.7	599.6	236.7	193.4
5053	25.0	382.8	325.0	275.2
5054	24.3	940.2	151.3	508.7
5055	24.3	59.2	317.7	229.2
5056	24.7	394.8	231.2	460.2
5057	24.5	173.9	214.3	289.3
5058	23.9	120.9	144.7	204.4
5059	22.7	3.1	32.9	22.6
5060	21.4	0.0	0.0	0.0
5061	19.8	0.0	0.0	0.0
5062	18.7	0.0	0.0	0.0
5063	18.1	0.0	0.0	0.0
5064	17.4	0.0	0.0	0.0
5065	16.8	0.0	0.0	0.0
5066	16.4	0.0	0.0	0.0
5067	15.9	0.0	0.0	0.0
5068	15.4	0.0	0.0	0.0
5069	14.6	0.0	0.0	0.0
5070	14.0	0.4	11.1	6.6
5071	14.4	4.1	76.5	46.0
5072	15.7	66.0	207.6	127.7
5073	17.1	1.0	74.4	44.7
5074	18.1	44.0	306.8	187.3
5075	18.9	4.6	207.4	124.8
5076	19.9	346.1	337.7	232.3
5077	20.1	2.7	167.2	100.9
5078	19.5	7.5	252.2	154.7
5079	19.2	34.2	297.3	200.6
5080	19.2	8.5	197.5	125.5
5081	19.0	19.0	177.1	123.8
5082	18.9	8.9	102.7	70.3
5083	18.5	4.3	38.2	27.1
5084	17.7	0.0	0.0	0.0
5085	16.7	0.0	0.0	0.0
5086	16.0	0.0	0.0	0.0
5087	15.5	0.0	0.0	0.0
5088	15.0	0.0	0.0	0.0
5089	14.6	0.0	0.0	0.0
5090	14.3	0.0	0.0	0.0
5091	13.9	0.0	0.0	0.0
5092	13.7	0.0	0.0	0.0
5093	13.6	0.0	0.0	0.0
5094	13.0	1.9	24.7	14.9
5095	13.1	2.1	54.9	33.0
5096	14.2	2.7	93.2	56.0
5097	14.9	2.6	117.9	70.9
5098	15.5	5.1	196.3	118.1
5099	16.6	23.1	311.9	189.0
5100	18.0	23.8	329.7	199.9
5101	18.3	14.5	304.3	185.6
5102	18.2	6.4	239.3	146.4
5103	18.8	86.9	325.6	252.0
5104	19.1	3.2	131.4	81.4
5105	19.1	98.0	212.1	218.1
5106	18.9	0.6	30.4	18.8
5107	18.1	74.6	66.6	111.4
5108	17.1	0.0	0.0	0.0
5109	16.0	0.0	0.0	0.0
5110	15.2	0.0	0.0	0.0
5111	14.7	0.0	0.0	0.0
5112	14.2	0.0	0.0	0.0
5113	13.8	0.0	0.0	0.0
5114	13.5	0.0	0.0	0.0
5115	13.2	0.0	0.0	0.0
5116	13.2	0.0	0.0	0.0
5117	13.6	0.0	0.0	0.0
5118	13.8	19.9	55.4	33.5
5119	14.1	136.9	140.8	88.7
5120	14.5	127.7	212.4	133.4
5121	15.0	692.0	141.9	127.4
5122	16.8	107.1	327.9	204.5
5123	18.5	220.8	355.1	230.9
5124	20.0	352.4	334.0	230.4
5125	20.8	211.8	375.7	269.8
5126	20.7	240.0	350.7	317.3
5127	21.0	47.2	307.4	215.3
5128	20.6	533.2	188.7	548.8
5129	19.9	10.9	158.8	105.4
5130	20.0	48.8	132.1	126.9
5131	19.7	39.1	60.9	74.0
5132	18.6	0.0	0.0	0.0
5133	17.3	0.0	0.0	0.0
5134	16.3	0.0	0.0	0.0
5135	15.7	0.0	0.0	0.0
5136	15.1	0.0	0.0	0.0
5137	14.6	0.0	0.0	0.0
5138	14.3	0.0	0.0	0.0
5139	14.0	0.0	0.0	0.0
5140	13.8	0.0	0.0	0.0
5141	13.1	0.0	0.0	0.0
5142	13.4	0.9	16.5	9.9
5143	14.6	184.2	137.8	88.3
5144	15.0	7.8	146.4	88.2
5145	15.6	84.1	271.2	167.8
5146	17.0	5.3	198.9	119.7
5147	17.8	129.6	365.1	229.5
5148	18.0	19.1	317.1	191.9
5149	18.3	40.1	352.2	219.7
5150	18.3	2.2	142.7	86.6
5151	19.0	442.1	255.4	442.0
5152	19.5	12.7	211.8	137.4
5153	19.1	530.7	144.7	579.3
5154	18.4	0.7	30.4	18.9
5155	17.5	167.5	64.8	199.7
5156	16.6	0.0	0.0	0.0
5157	16.0	0.0	0.0	0.0
5158	15.4	0.0	0.0	0.0
5159	14.9	0.0	0.0	0.0
5160	14.3	0.0	0.0	0.0
5161	13.9	0.0	0.0	0.0
5162	13.7	0.0	0.0	0.0
5163	13.3	0.0	0.0	0.0
5164	13.5	0.0	0.0	0.0
5165	13.7	0.0	0.0	0.0
5166	13.7	72.8	62.0	38.2
5167	14.4	10.5	102.4	61.7
5168	15.2	23.0	178.3	108.0
5169	16.6	398.8	225.6	159.5
5170	19.2	286.3	302.1	201.9
5171	20.6	543.7	244.4	190.3
5172	20.6	121.9	383.2	240.2
5173	20.4	194.8	377.1	267.0
5174	21.1	684.7	189.6	419.1
5175	21.9	103.7	325.3	263.0
5176	21.8	449.8	211.4	495.1
5177	21.4	69.9	203.8	187.2
5178	21.0	130.6	138.1	210.5
5179	20.8	11.9	48.3	40.4
5180	20.3	0.0	0.0	0.0
5181	19.3	0.0	0.0	0.0
5182	18.5	0.0	0.0	0.0
5183	18.2	0.0	0.0	0.0
5184	17.9	0.0	0.0	0.0
5185	17.7	0.0	0.0	0.0
5186	17.6	0.0	0.0	0.0
5187	17.4	0.0	0.0	0.0
5188	17.0	0.0	0.0	0.0
5189	16.8	0.0	0.0	0.0
5190	16.5	22.4	52.5	31.8
5191	16.8	438.6	106.9	77.3
5192	18.4	551.5	138.3	108.3
5193	20.8	324.4	243.7	165.8
5194	22.1	677.4	172.2	152.0
5195	22.9	656.9	199.6	172.4
5196	24.5	897.8	149.4	165.4
5197	26.2	781.7	163.8	261.9
5198	27.5	555.4	239.2	391.4
5199	28.1	557.2	214.0	493.0
5200	28.2	671.6	146.0	637.9
5201	27.8	209.8	203.6	317.3
5202	27.5	118.8	136.5	198.2
5203	26.5	22.4	52.5	53.0
5204	24.8	0.0	0.0	0.0
5205	23.1	0.0	0.0	0.0
5206	21.9	0.0	0.0	0.0
5207	21.1	0.0	0.0	0.0
5208	20.3	0.0	0.0	0.0
5209	19.7	0.0	0.0	0.0
5210	19.2	0.0	0.0	0.0
5211	18.6	0.0	0.0	0.0
5212	18.2	0.0	0.0	0.0
5213	18.0	0.0	0.0	0.0
5214	17.4	5.0	35.5	21.3
5215	17.2	235.7	129.9	84.9
5216	17.6	176.8	205.4	131.3
5217	18.0	446.0	210.7	153.2
5218	18.2	876.1	123.6	136.9
5219	18.5	791.7	152.2	154.5
5220	19.4	650.0	212.5	182.2
5221	20.4	770.0	167.3	261.5

5222	21.0	567.3	233.9	393.7
5223	21.2	940.8	132.9	696.0
5224	21.0	800.3	112.5	723.9
5225	20.5	367.3	176.8	448.0
5226	20.0	222.7	130.9	296.8
5227	18.7	19.7	50.2	49.1
5228	16.8	0.0	0.0	0.0
5229	15.0	0.0	0.0	0.0
5230	13.6	0.0	0.0	0.0
5231	12.7	0.0	0.0	0.0
5232	11.9	0.0	0.0	0.0
5233	11.2	0.0	0.0	0.0
5234	10.8	0.0	0.0	0.0
5235	10.4	0.0	0.0	0.0
5236	10.2	0.0	0.0	0.0
5237	10.4	0.0	0.0	0.0
5238	11.2	3.8	30.1	18.1
5239	12.7	17.5	108.7	65.8
5240	14.7	38.9	187.9	114.5
5241	16.6	115.3	270.2	169.0
5242	18.0	3.2	153.3	92.2
5243	19.1	201.4	353.9	228.4
5244	20.2	17.8	310.1	187.6
5245	21.2	590.6	236.2	265.2
5246	22.1	22.1	304.6	192.7
5247	21.9	336.7	285.2	391.8
5248	20.9	6.2	174.1	109.5
5249	20.5	27.3	179.3	133.1
5250	20.5	3.2	63.0	40.9
5251	20.3	105.0	58.6	136.4
5252	19.3	0.0	0.0	0.0
5253	18.1	0.0	0.0	0.0
5254	17.4	0.0	0.0	0.0
5255	17.1	0.0	0.0	0.0
5256	16.7	0.0	0.0	0.0
5257	16.4	0.0	0.0	0.0
5258	16.1	0.0	0.0	0.0
5259	15.7	0.0	0.0	0.0
5260	15.3	0.0	0.0	0.0
5261	14.9	0.0	0.0	0.0
5262	15.3	0.5	11.0	6.6
5263	16.4	7.2	89.6	54.0
5264	17.4	6.0	130.6	78.6
5265	18.2	5.7	168.8	101.6
5266	19.5	26.1	278.7	169.1
5267	20.6	70.6	349.6	215.4
5268	21.5	95.4	375.9	233.5
5269	22.0	87.6	374.2	242.8
5270	22.2	489.1	262.8	376.3
5271	22.9	4.8	185.5	114.4
5272	23.2	207.1	263.4	328.2
5273	23.0	6.4	133.2	85.9
5274	22.8	45.5	122.9	118.4
5275	22.3	119.5	57.2	149.7
5276	21.3	0.0	0.0	0.0
5277	20.3	0.0	0.0	0.0
5278	19.6	0.0	0.0	0.0
5279	19.1	0.0	0.0	0.0
5280	18.6	0.0	0.0	0.0
5281	18.2	0.0	0.0	0.0
5282	17.8	0.0	0.0	0.0
5283	17.3	0.0	0.0	0.0
5284	16.8	0.0	0.0	0.0
5285	15.4	0.0	0.0	0.0
5286	15.2	39.3	50.8	30.9
5287	16.6	9.4	94.5	57.0
5288	18.1	669.8	109.1	95.4
5289	19.6	81.2	263.2	162.7
5290	20.5	83.6	316.0	195.5
5291	21.4	74.1	349.9	215.8
5292	21.8	773.5	165.0	163.4
5293	22.2	332.0	335.0	270.3
5294	22.6	542.3	241.6	387.5
5295	23.0	528.5	221.1	479.7
5296	23.1	477.1	199.2	512.0
5297	22.4	319.9	182.1	408.0
5298	22.3	190.0	128.8	264.0
5299	22.1	114.5	55.5	144.0
5300	20.9	0.0	0.0	0.0
5301	19.5	0.0	0.0	0.0
5302	18.3	0.0	0.0	0.0
5303	17.4	0.0	0.0	0.0
5304	16.5	0.0	0.0	0.0
5305	15.7	0.0	0.0	0.0
5306	15.1	0.0	0.0	0.0
5307	14.5	0.0	0.0	0.0
5308	14.3	0.0	0.0	0.0
5309	13.5	0.0	0.0	0.0
5310	12.2	0.3	8.3	5.0
5311	13.0	6.4	84.3	50.8
5312	14.3	2.6	85.0	51.1
5313	14.5	2.8	117.8	70.8
5314	14.7	3.5	158.6	95.4
5315	15.4	3.2	169.7	102.1
5316	15.9	6.1	242.1	145.8
5317	15.1	1.2	107.4	64.7
5318	14.4	1.2	101.9	61.6
5319	14.8	46.2	298.0	209.2
5320	14.9	0.9	66.2	40.4
5321	14.5	4.2	109.2	69.5
5322	14.2	4.7	73.7	48.8
5323	13.9	0.3	8.3	5.3
5324	13.4	0.0	0.0	0.0
5325	12.9	0.0	0.0	0.0
5326	12.5	0.0	0.0	0.0
5327	12.3	0.0	0.0	0.0
5328	12.1	0.0	0.0	0.0
5329	12.0	0.0	0.0	0.0
5330	11.9	0.0	0.0	0.0
5331	11.9	0.0	0.0	0.0
5332	12.0	0.0	0.0	0.0
5333	12.4	0.0	0.0	0.0
5334	12.5	17.6	42.4	25.7
5335	13.4	13.5	99.0	59.8
5336	15.3	17.0	162.0	97.9
5337	16.7	189.4	261.8	168.1
5338	17.9	1.1	88.1	53.0
5339	18.8	385.6	298.0	209.0
5340	19.5	2.8	167.1	100.5
5341	19.9	99.6	373.3	244.8
5342	20.9	107.2	355.0	261.0
5343	22.0	25.1	274.1	181.0
5344	21.6	24.5	227.4	156.6
5345	20.6	12.3	152.9	103.3
5346	20.2	31.9	113.3	99.4
5347	19.7	3.2	24.6	17.9
5348	19.2	0.0	0.0	0.0
5349	18.6	0.0	0.0	0.0
5350	18.3	0.0	0.0	0.0
5351	18.2	0.0	0.0	0.0
5352	18.0	0.0	0.0	0.0
5353	17.9	0.0	0.0	0.0
5354	17.9	0.0	0.0	0.0
5355	17.7	0.0	0.0	0.0
5356	17.4	0.0	0.0	0.0
5357	16.9	0.0	0.0	0.0
5358	15.8	49.7	47.3	28.9
5359	15.8	5.7	79.0	47.5
5360	16.9	35.3	179.1	109.0
5361	18.1	164.8	262.7	167.2
5362	19.3	54.4	300.9	184.4
5363	19.9	115.3	354.5	221.7
5364	21.1	367.3	319.9	222.2
5365	22.1	184.7	370.2	260.6
5366	22.7	442.8	276.7	364.4
5367	23.7	52.3	299.7	214.2
5368	24.0	39.2	241.2	177.0
5369	23.8	130.3	198.7	241.3
5370	23.6	1.3	38.5	24.4
5371	23.0	4.3	27.3	20.5
5372	22.0	0.0	0.0	0.0
5373	20.8	0.0	0.0	0.0
5374	20.0	0.0	0.0	0.0
5375	19.6	0.0	0.0	0.0
5376	19.2	0.0	0.0	0.0
5377	18.9	0.0	0.0	0.0
5378	18.7	0.0	0.0	0.0
5379	18.4	0.0	0.0	0.0
5380	18.2	0.0	0.0	0.0
5381	18.4	0.0	0.0	0.0
5382	18.5	25.1	41.8	25.3
5383	18.8	135.6	124.1	78.2
5384	20.0	368.7	168.1	116.8
5385	21.8	576.5	167.4	133.7
5386	23.8	709.9	157.1	143.6
5387	25.6	600.8	216.3	176.5
5388	26.4	359.9	321.5	222.4
5389	25.3	414.4	301.8	267.5
5390	24.0	17.1	286.7	179.7
5391	23.7	478.1	234.7	455.9
5392	23.1	2.0	98.8	61.0

5393	21.9	84.3	194.1	195.5
5394	21.4	3.1	57.5	37.5
5395	20.7	7.0	32.6	26.3
5396	19.6	0.0	0.0	0.0
5397	18.6	0.0	0.0	0.0
5398	17.9	0.0	0.0	0.0
5399	17.5	0.0	0.0	0.0
5400	17.0	0.0	0.0	0.0
5401	16.7	0.0	0.0	0.0
5402	16.6	0.0	0.0	0.0
5403	16.4	0.0	0.0	0.0
5404	16.4	0.0	0.0	0.0
5405	16.7	0.0	0.0	0.0
5406	16.8	469.0	35.2	25.8
5407	17.4	678.0	64.9	57.1
5408	18.5	11.6	147.8	89.2
5409	19.5	851.9	100.3	109.0
5410	20.5	883.2	120.2	133.2
5411	20.8	593.2	218.5	177.1
5412	21.0	489.9	271.9	203.2
5413	21.3	318.2	334.4	266.9
5414	22.1	579.1	223.9	394.1
5415	22.8	108.8	313.7	260.0
5416	22.2	116.8	260.8	253.0
5417	21.7	175.7	194.0	281.3
5418	21.3	87.8	120.9	159.2
5419	20.5	239.9	44.8	259.9
5420	19.4	0.0	0.0	0.0
5421	18.1	0.0	0.0	0.0
5422	17.1	0.0	0.0	0.0
5423	16.5	0.0	0.0	0.0
5424	15.9	0.0	0.0	0.0
5425	15.5	0.0	0.0	0.0
5426	15.1	0.0	0.0	0.0
5427	14.7	0.0	0.0	0.0
5428	14.4	0.0	0.0	0.0
5429	13.9	0.0	0.0	0.0
5430	13.3	0.9	11.0	6.6
5431	12.6	0.6	24.8	14.9
5432	12.5	3.5	95.7	57.6
5433	13.1	1.0	68.9	41.4
5434	13.9	11.0	234.1	141.2
5435	14.6	2.3	139.9	84.1
5436	15.3	91.8	366.9	227.6
5437	16.2	6.0	236.8	143.3
5438	16.4	31.5	311.8	201.2
5439	16.6	36.3	283.4	194.0
5440	16.4	2.1	98.8	61.0
5441	15.9	27.4	168.9	127.1
5442	16.0	0.6	24.8	15.5
5443	15.8	0.5	8.3	5.4
5444	15.4	0.0	0.0	0.0
5445	14.8	0.0	0.0	0.0
5446	14.5	0.0	0.0	0.0
5447	14.3	0.0	0.0	0.0
5448	14.1	0.0	0.0	0.0
5449	14.0	0.0	0.0	0.0
5450	14.0	0.0	0.0	0.0
5451	13.9	0.0	0.0	0.0
5452	13.9	0.0	0.0	0.0
5453	14.6	0.0	0.0	0.0
5454	14.4	16.3	34.6	20.9
5455	14.0	31.5	105.7	64.2
5456	15.4	213.8	187.5	121.5
5457	17.1	19.7	213.9	129.4
5458	18.6	979.4	132.5	146.5
5459	20.1	335.2	309.3	211.3
5460	21.5	155.1	368.7	233.8
5461	21.8	11.2	277.1	168.6
5462	21.4	969.7	147.1	523.6
5463	21.0	5.1	185.4	114.6
5464	20.0	37.4	234.4	171.6
5465	18.4	17.6	156.5	110.4
5466	17.1	0.8	27.6	17.3
5467	16.4	16.3	34.6	36.6
5468	15.7	0.0	0.0	0.0
5469	14.9	0.0	0.0	0.0
5470	14.4	0.0	0.0	0.0
5471	14.2	0.0	0.0	0.0
5472	14.1	0.0	0.0	0.0
5473	14.0	0.0	0.0	0.0
5474	13.9	0.0	0.0	0.0
5475	13.8	0.0	0.0	0.0
5476	13.6	0.0	0.0	0.0
5477	13.4	0.0	0.0	0.0
5478	13.4	77.0	40.3	24.8
5479	13.2	0.6	24.8	14.9
5480	13.2	12.0	145.0	87.5
5481	13.9	61.1	246.2	151.1
5482	14.7	4.3	169.3	101.9
5483	15.8	5.9	220.5	132.7
5484	16.9	1.2	107.4	64.5
5485	17.9	348.8	321.1	265.1
5486	18.6	1.2	101.9	61.7
5487	18.7	38.0	282.5	194.6
5488	18.6	1.2	74.3	45.6
5489	18.4	18.3	156.2	111.0
5490	18.2	0.6	24.8	15.5
5491	17.6	4.1	21.9	17.1
5492	16.8	0.0	0.0	0.0
5493	16.0	0.0	0.0	0.0
5494	15.4	0.0	0.0	0.0
5495	15.0	0.0	0.0	0.0
5496	14.6	0.0	0.0	0.0
5497	14.3	0.0	0.0	0.0
5498	14.0	0.0	0.0	0.0
5499	13.7	0.0	0.0	0.0
5500	13.5	0.0	0.0	0.0
5501	12.9	0.0	0.0	0.0
5502	12.0	3.4	19.2	11.5
5503	12.1	0.7	24.8	14.9
5504	13.0	31.2	167.6	101.9
5505	14.2	8.2	178.7	107.7
5506	15.3	5.7	193.4	116.4
5507	15.8	13.0	267.9	161.7
5508	16.0	1.2	107.4	64.5
5509	15.7	2.8	161.6	97.6
5510	15.9	5.0	204.5	125.0
5511	16.2	1.8	109.9	67.1
5512	15.9	1.0	66.1	40.5
5513	15.3	3.3	90.3	57.3
5514	15.2	3.2	54.7	36.1
5515	14.9	4.5	21.8	17.5
5516	14.3	0.0	0.0	0.0
5517	13.7	0.0	0.0	0.0
5518	13.3	0.0	0.0	0.0
5519	13.1	0.0	0.0	0.0
5520	12.8	0.0	0.0	0.0
5521	12.6	0.0	0.0	0.0
5522	12.5	0.0	0.0	0.0
5523	12.4	0.0	0.0	0.0
5524	12.5	0.0	0.0	0.0
5525	12.1	0.0	0.0	0.0
5526	11.6	0.7	8.3	5.0
5527	12.2	0.4	19.3	11.6
5528	13.3	21.8	157.7	95.5
5529	14.0	7.1	171.0	103.0
5530	14.4	4.4	169.3	101.9
5531	14.3	1.1	96.4	57.9
5532	14.9	101.2	363.4	226.1
5533	15.6	1.1	101.9	61.4
5534	15.6	6.4	225.7	138.3
5535	15.8	1.0	82.6	50.3
5536	15.7	45.6	235.8	179.3
5537	15.3	1.5	60.5	37.7
5538	15.2	1.9	41.2	26.6
5539	14.9	1.2	11.0	7.8
5540	14.5	0.0	0.0	0.0
5541	14.0	0.0	0.0	0.0
5542	13.7	0.0	0.0	0.0
5543	13.6	0.0	0.0	0.0
5544	13.5	0.0	0.0	0.0
5545	13.4	0.0	0.0	0.0
5546	13.3	0.0	0.0	0.0
5547	13.3	0.0	0.0	0.0
5548	13.3	0.0	0.0	0.0
5549	13.5	0.0	0.0	0.0
5550	13.6	87.3	34.9	21.6
5551	13.9	4.6	62.8	37.8
5552	14.7	309.8	168.4	113.6
5553	15.7	142.5	251.9	159.0
5554	17.1	101.3	304.3	189.4
5555	18.4	172.7	341.9	218.2
5556	19.4	246.8	347.6	228.2
5557	20.4	125.1	364.1	244.4
5558	20.7	71.6	334.9	233.1
5559	20.8	668.0	165.9	541.8
5560	20.8	19.6	208.6	141.5
5561	20.4	39.8	169.9	139.5
5562	20.2	12.6	85.8	64.0
5563	19.6	11.9	26.9	27.7

5564	18.3	0.0	0.0	0.0
5565	17.0	0.0	0.0	0.0
5566	16.0	0.0	0.0	0.0
5567	15.4	0.0	0.0	0.0
5568	14.9	0.0	0.0	0.0
5569	14.4	0.0	0.0	0.0
5570	14.0	0.0	0.0	0.0
5571	13.6	0.0	0.0	0.0
5572	13.3	0.0	0.0	0.0
5573	13.0	0.0	0.0	0.0
5574	12.8	15.4	26.7	16.1
5575	13.1	7.7	75.9	45.7
5576	14.0	13.0	142.0	85.7
5577	15.1	1.7	85.2	51.2
5578	16.4	90.1	301.0	186.6
5579	16.8	16.7	276.4	167.1
5580	16.7	5.8	228.7	137.7
5581	16.8	3.5	177.8	107.4
5582	16.4	25.2	294.9	188.3
5583	16.5	11.9	231.0	146.4
5584	16.8	7.9	173.5	110.6
5585	16.5	98.1	182.7	202.3
5586	15.8	0.4	19.3	12.0
5587	15.3	1.5	11.0	8.1
5588	14.7	0.0	0.0	0.0
5589	14.0	0.0	0.0	0.0
5590	13.4	0.0	0.0	0.0
5591	13.1	0.0	0.0	0.0
5592	12.8	0.0	0.0	0.0
5593	12.5	0.0	0.0	0.0
5594	12.3	0.0	0.0	0.0
5595	12.1	0.0	0.0	0.0
5596	12.0	0.0	0.0	0.0
5597	12.7	0.0	0.0	0.0
5598	13.0	32.8	28.3	17.2
5599	13.1	226.9	104.6	68.1
5600	14.1	23.1	154.7	93.7
5601	14.9	672.5	133.9	116.8
5602	15.5	2.2	118.0	70.9
5603	16.6	665.1	186.3	161.4
5604	17.6	167.3	359.4	228.8
5605	17.8	225.0	349.9	256.5
5606	17.5	248.3	325.6	307.0
5607	17.7	32.5	270.1	183.6
5608	18.0	483.9	183.7	512.8
5609	17.6	7.0	122.2	79.9
5610	17.2	11.0	80.7	59.3
5611	16.4	20.3	26.4	35.7
5612	14.9	0.0	0.0	0.0
5613	13.5	0.0	0.0	0.0
5614	12.8	0.0	0.0	0.0
5615	12.3	0.0	0.0	0.0
5616	11.9	0.0	0.0	0.0
5617	11.7	0.0	0.0	0.0
5618	11.5	0.0	0.0	0.0
5619	11.4	0.0	0.0	0.0
5620	11.6	0.0	0.0	0.0
5621	11.8	0.0	0.0	0.0
5622	12.4	9.5	21.6	13.0
5623	13.4	86.9	104.8	64.9
5624	14.0	206.8	176.7	114.1
5625	15.4	96.5	245.1	152.2
5626	16.9	345.0	264.1	181.2
5627	17.5	95.9	337.0	209.3
5628	17.8	68.7	348.7	214.6
5629	17.8	209.8	351.5	254.3
5630	17.5	4.7	193.7	118.3
5631	16.9	296.5	276.7	362.6
5632	16.4	0.9	63.4	38.8
5633	15.3	287.7	167.0	372.2
5634	14.3	0.5	19.3	12.1
5635	13.0	4.4	16.4	14.1
5636	11.9	0.0	0.0	0.0
5637	11.2	0.0	0.0	0.0
5638	10.7	0.0	0.0	0.0
5639	10.5	0.0	0.0	0.0
5640	10.4	0.0	0.0	0.0
5641	10.2	0.0	0.0	0.0
5642	10.1	0.0	0.0	0.0
5643	10.1	0.0	0.0	0.0
5644	10.3	0.0	0.0	0.0
5645	10.2	0.0	0.0	0.0
5646	11.1	0.6	5.5	3.3
5647	12.7	319.4	93.8	63.5
5648	13.3	0.8	41.4	24.9
5649	14.5	734.5	116.9	109.4
5650	16.1	4.6	169.2	101.8
5651	17.6	861.3	129.4	141.2
5652	19.3	7.7	246.7	148.6
5653	19.9	567.9	232.8	256.9
5654	19.3	1.2	96.4	58.3
5655	18.3	396.8	248.2	412.1
5656	17.4	1.0	63.4	38.8
5657	17.0	276.8	166.8	362.1
5658	16.5	0.5	19.3	12.1
5659	15.6	21.9	23.7	35.7
5660	14.6	0.0	0.0	0.0
5661	13.7	0.0	0.0	0.0
5662	13.3	0.0	0.0	0.0
5663	13.0	0.0	0.0	0.0
5664	12.8	0.0	0.0	0.0
5665	12.6	0.0	0.0	0.0
5666	12.5	0.0	0.0	0.0
5667	12.4	0.0	0.0	0.0
5668	12.7	0.0	0.0	0.0
5669	12.4	0.0	0.0	0.0
5670	12.5	3.9	13.7	8.2
5671	13.1	0.5	19.3	11.6
5672	12.9	5.0	103.6	62.4
5673	13.3	4.2	131.1	78.9
5674	13.7	1.9	107.1	64.4
5675	14.2	34.4	302.4	184.0
5676	14.6	1.7	120.9	72.7
5677	14.5	5.1	210.0	127.0
5678	14.6	13.7	262.2	163.4
5679	15.1	50.9	280.7	202.2
5680	15.4	1.0	63.4	38.8
5681	15.0	2.5	74.0	46.8
5682	14.3	0.5	19.3	12.1
5683	13.7	2.5	11.0	9.0
5684	13.2	0.0	0.0	0.0
5685	12.6	0.0	0.0	0.0
5686	12.2	0.0	0.0	0.0
5687	12.0	0.0	0.0	0.0
5688	11.9	0.0	0.0	0.0
5689	11.7	0.0	0.0	0.0
5690	11.6	0.0	0.0	0.0
5691	11.5	0.0	0.0	0.0
5692	11.6	0.0	0.0	0.0
5693	12.3	0.0	0.0	0.0
5694	12.4	304.8	22.5	14.9
5695	13.0	137.1	100.5	63.2
5696	14.8	879.0	66.6	73.3
5697	16.3	44.0	224.0	136.7
5698	17.4	344.5	260.1	178.3
5699	17.6	803.0	139.7	142.5
5700	18.0	278.4	331.2	220.3
5701	18.1	112.5	354.4	235.8
5702	17.8	112.3	334.4	251.2
5703	18.4	337.2	262.1	381.1
5704	18.7	25.7	208.6	146.6
5705	18.0	49.7	164.3	145.7
5706	16.7	15.5	79.9	63.4
5707	15.3	70.9	24.0	84.0
5708	14.2	0.0	0.0	0.0
5709	13.0	0.0	0.0	0.0
5710	12.0	0.0	0.0	0.0
5711	11.4	0.0	0.0	0.0
5712	10.7	0.0	0.0	0.0
5713	10.2	0.0	0.0	0.0
5714	9.7	0.0	0.0	0.0
5715	9.2	0.0	0.0	0.0
5716	9.2	0.0	0.0	0.0
5717	8.9	0.0	0.0	0.0
5718	8.7	0.8	5.5	3.3
5719	9.9	136.2	98.5	62.0
5720	11.5	65.1	167.0	102.7
5721	12.6	124.7	240.2	150.6
5722	13.6	33.9	264.3	160.7
5723	14.2	92.2	330.1	204.7
5724	14.7	3.9	183.1	110.2
5725	15.4	47.3	330.1	207.8
5726	16.1	98.3	331.2	242.9
5727	17.1	170.2	293.2	289.0
5728	17.5	34.1	215.4	157.7
5729	18.0	428.1	138.1	488.8
5730	18.2	349.6	85.9	400.6
5731	17.5	97.9	22.9	109.8
5732	16.7	0.0	0.0	0.0
5733	15.7	0.0	0.0	0.0
5734	15.1	0.0	0.0	0.0

5735	14.8	0.0	0.0	0.0
5736	14.5	0.0	0.0	0.0
5737	14.4	0.0	0.0	0.0
5738	14.2	0.0	0.0	0.0
5739	13.9	0.0	0.0	0.0
5740	13.4	0.0	0.0	0.0
5741	13.6	0.0	0.0	0.0
5742	14.2	387.7	18.0	12.2
5743	15.2	230.3	93.2	60.7
5744	16.8	472.7	128.8	94.8
5745	18.5	765.9	106.9	103.8
5746	20.3	546.1	197.7	153.4
5747	21.9	824.0	133.5	139.6
5748	23.5	452.0	272.1	197.9
5749	24.4	839.6	138.2	255.4
5750	24.7	782.6	144.0	438.5
5751	25.2	554.6	195.0	485.6
5752	25.1	617.3	142.6	600.8
5753	24.4	204.7	167.9	295.0
5754	23.7	331.4	85.8	382.6
5755	22.7	387.7	18.0	391.5
5756	21.4	0.0	0.0	0.0
5757	20.1	0.0	0.0	0.0
5758	19.2	0.0	0.0	0.0
5759	18.5	0.0	0.0	0.0
5760	17.9	0.0	0.0	0.0
5761	17.5	0.0	0.0	0.0
5762	17.3	0.0	0.0	0.0
5763	17.3	0.0	0.0	0.0
5764	17.9	0.0	0.0	0.0
5765	16.6	0.0	0.0	0.0
5766	14.6	503.5	14.3	10.2
5767	15.1	15.0	74.7	45.1
5768	16.5	67.6	163.9	100.8
5769	17.8	319.6	212.8	144.1
5770	19.5	455.0	224.5	163.5
5771	21.5	465.0	251.0	184.0
5772	23.3	821.2	141.6	147.6
5773	24.3	564.8	229.3	253.5
5774	24.8	436.0	260.8	352.6
5775	25.1	281.0	271.3	349.6
5776	24.8	651.7	133.0	624.0
5777	23.8	83.0	166.5	178.7
5778	22.9	29.1	82.9	78.8
5779	21.6	35.6	17.9	45.7
5780	20.0	0.0	0.0	0.0
5781	18.4	0.0	0.0	0.0
5782	17.2	0.0	0.0	0.0
5783	16.4	0.0	0.0	0.0
5784	15.6	0.0	0.0	0.0
5785	15.0	0.0	0.0	0.0
5786	14.4	0.0	0.0	0.0
5787	13.8	0.0	0.0	0.0
5788	13.4	0.0	0.0	0.0
5789	13.5	0.0	0.0	0.0
5790	13.6	99.1	18.3	11.2
5791	15.1	108.2	92.1	57.4
5792	18.0	367.9	143.4	99.3
5793	19.9	347.4	205.4	140.9
5794	21.6	592.6	181.1	145.9
5795	23.3	503.0	236.8	178.0
5796	25.0	494.8	254.3	190.1
5797	26.6	446.1	271.8	254.5
5798	27.4	733.9	157.4	424.6
5799	28.0	506.6	207.7	461.4
5800	28.0	559.9	155.0	560.7
5801	27.1	76.6	163.7	170.9
5802	26.3	196.6	90.9	251.2
5803	25.3	52.3	17.4	61.9
5804	24.0	0.0	0.0	0.0
5805	22.7	0.0	0.0	0.0
5806	21.7	0.0	0.0	0.0
5807	21.1	0.0	0.0	0.0
5808	20.5	0.0	0.0	0.0
5809	20.0	0.0	0.0	0.0
5810	19.5	0.0	0.0	0.0
5811	19.0	0.0	0.0	0.0
5812	18.6	0.0	0.0	0.0
5813	17.5	0.0	0.0	0.0
5814	16.3	6.2	10.9	6.5
5815	16.8	321.4	81.2	54.9
5816	18.6	126.4	165.5	103.8
5817	20.3	214.7	227.1	147.1
5818	20.8	376.3	244.3	170.1
5819	21.4	242.7	313.2	205.1
5820	22.3	335.3	307.5	209.7
5821	23.2	588.9	218.4	251.5
5822	24.4	408.6	267.2	344.1
5823	24.8	138.6	288.0	265.0
5824	24.2	520.1	163.7	532.9
5825	23.3	31.6	146.9	118.2
5826	22.0	3.9	46.5	31.7
5827	20.8	14.6	13.4	22.4
5828	19.8	0.0	0.0	0.0
5829	18.6	0.0	0.0	0.0
5830	17.8	0.0	0.0	0.0
5831	17.3	0.0	0.0	0.0
5832	16.8	0.0	0.0	0.0
5833	16.3	0.0	0.0	0.0
5834	16.0	0.0	0.0	0.0
5835	15.7	0.0	0.0	0.0
5836	15.4	0.0	0.0	0.0
5837	15.4	0.0	0.0	0.0
5838	14.9	117.4	15.5	9.5
5839	15.1	7.2	59.7	36.0
5840	15.9	9.7	118.8	71.6
5841	15.6	4.7	131.0	78.8
5842	15.9	80.1	280.6	173.3
5843	16.9	25.2	279.4	169.4
5844	17.6	121.0	345.1	216.1
5845	18.1	11.6	260.7	158.8
5846	18.4	1.1	90.9	55.0
5847	18.8	27.7	249.4	168.1
5848	19.0	8.4	162.5	104.5
5849	18.8	30.8	144.6	116.0
5850	18.6	17.4	71.7	60.4
5851	18.2	8.2	10.8	14.6
5852	17.5	0.0	0.0	0.0
5853	16.7	0.0	0.0	0.0
5854	16.2	0.0	0.0	0.0
5855	16.0	0.0	0.0	0.0
5856	15.8	0.0	0.0	0.0
5857	15.6	0.0	0.0	0.0
5858	15.5	0.0	0.0	0.0
5859	15.3	0.0	0.0	0.0
5860	15.0	0.0	0.0	0.0
5861	15.0	0.0	0.0	0.0
5862	14.7	11.9	10.7	6.5
5863	14.1	5.3	51.8	31.2
5864	14.5	2.6	68.5	41.2
5865	16.7	440.7	180.1	129.8
5866	19.4	5.5	174.4	105.0
5867	21.4	374.8	275.0	191.2
5868	23.1	61.1	329.3	202.1
5869	24.2	448.4	267.3	251.8
5870	24.7	132.4	323.4	253.6
5871	25.5	331.8	252.9	372.4
5872	25.6	569.5	149.1	565.7
5873	24.8	110.5	161.1	201.8
5874	24.1	7.9	59.6	43.7
5875	23.4	11.9	10.7	18.1
5876	22.4	0.0	0.0	0.0
5877	21.3	0.0	0.0	0.0
5878	20.4	0.0	0.0	0.0
5879	19.8	0.0	0.0	0.0
5880	19.2	0.0	0.0	0.0
5881	18.7	0.0	0.0	0.0
5882	18.3	0.0	0.0	0.0
5883	17.6	0.0	0.0	0.0
5884	16.5	0.0	0.0	0.0
5885	15.3	0.0	0.0	0.0
5886	14.8	0.0	0.0	0.0
5887	14.9	70.2	81.6	50.2
5888	16.3	175.9	158.4	101.0
5889	18.1	422.2	182.8	130.4
5890	19.1	747.4	132.1	124.9
5891	19.8	124.1	321.5	201.5
5892	20.6	579.4	218.9	174.3
5893	21.5	564.8	224.3	249.5
5894	21.7	389.6	269.0	336.5
5895	21.1	261.1	267.2	334.0
5896	20.4	109.3	226.5	227.3
5897	19.4	41.6	146.7	127.6
5898	18.1	7.3	57.0	41.5
5899	17.0	0.0	0.0	0.0
5900	15.9	0.0	0.0	0.0
5901	14.7	0.0	0.0	0.0
5902	13.9	0.0	0.0	0.0
5903	13.3	0.0	0.0	0.0
5904	12.8	0.0	0.0	0.0
5905	12.3	0.0	0.0	0.0

5906	11.9	0.0	0.0	0.0
5907	11.5	0.0	0.0	0.0
5908	11.3	0.0	0.0	0.0
5909	11.4	0.0	0.0	0.0
5910	11.8	0.0	0.0	0.0
5911	12.1	17.3	66.4	40.1
5912	12.5	48.3	147.3	90.0
5913	14.3	334.6	199.9	136.2
5914	16.2	165.7	279.4	177.7
5915	17.3	412.1	260.5	184.8
5916	19.2	217.0	331.2	214.7
5917	20.7	813.5	139.9	249.3
5918	20.9	658.2	178.2	402.7
5919	21.5	525.2	196.0	467.0
5920	21.1	654.4	126.5	623.3
5921	19.7	66.6	152.2	154.6
5922	18.6	59.3	78.3	106.4
5923	17.6	0.0	0.0	0.0
5924	16.6	0.0	0.0	0.0
5925	15.6	0.0	0.0	0.0
5926	14.9	0.0	0.0	0.0
5927	14.5	0.0	0.0	0.0
5928	14.1	0.0	0.0	0.0
5929	13.8	0.0	0.0	0.0
5930	13.6	0.0	0.0	0.0
5931	13.3	0.0	0.0	0.0
5932	13.0	0.0	0.0	0.0
5933	12.7	0.0	0.0	0.0
5934	12.5	0.0	0.0	0.0
5935	13.7	148.9	79.7	50.3
5936	15.7	176.2	154.3	98.4
5937	17.3	317.1	201.6	136.2
5938	17.8	304.1	254.6	171.0
5939	18.2	74.1	309.9	191.0
5940	19.4	349.8	295.6	202.9
5941	19.5	946.2	137.5	274.5
5942	19.4	803.7	133.3	440.9
5943	20.0	109.8	277.9	239.8
5944	20.0	123.7	223.3	237.4
5945	19.3	14.9	122.8	87.8
5946	18.4	2.9	35.6	24.3
5947	17.4	0.0	0.0	0.0
5948	16.3	0.0	0.0	0.0
5949	15.1	0.0	0.0	0.0
5950	14.3	0.0	0.0	0.0
5951	13.7	0.0	0.0	0.0
5952	13.1	0.0	0.0	0.0
5953	12.6	0.0	0.0	0.0
5954	12.2	0.0	0.0	0.0
5955	11.8	0.0	0.0	0.0
5956	11.5	0.0	0.0	0.0
5957	11.4	0.0	0.0	0.0
5958	12.6	0.0	0.0	0.0
5959	13.8	33.4	69.4	42.2
5960	14.9	148.4	153.3	96.8
5961	16.0	72.1	215.3	132.6
5962	16.9	494.5	202.5	151.0
5963	18.7	214.3	308.3	199.6
5964	20.5	939.2	135.7	149.7
5965	21.3	288.3	311.5	245.3
5966	21.6	130.2	316.1	248.1
5967	22.2	297.5	254.3	350.5
5968	21.6	273.0	207.6	353.0
5969	20.3	75.6	149.8	161.9
5970	19.6	15.0	61.4	51.8
5971	18.6	0.0	0.0	0.0
5972	17.4	0.0	0.0	0.0
5973	16.3	0.0	0.0	0.0
5974	15.4	0.0	0.0	0.0
5975	14.9	0.0	0.0	0.0
5976	14.3	0.0	0.0	0.0
5977	13.8	0.0	0.0	0.0
5978	13.3	0.0	0.0	0.0
5979	12.8	0.0	0.0	0.0
5980	12.3	0.0	0.0	0.0
5981	11.5	0.0	0.0	0.0
5982	10.5	0.0	0.0	0.0
5983	11.5	26.1	65.2	39.5
5984	13.4	115.1	151.1	94.4
5985	14.8	231.7	211.8	138.0
5986	15.6	76.0	268.5	165.6
5987	16.2	883.3	119.4	131.5
5988	17.4	114.0	333.9	208.5
5989	18.0	42.4	308.1	193.4
5990	17.7	11.5	236.6	147.1
5991	17.6	34.1	246.3	170.5
5992	17.8	13.9	171.2	114.3
5993	17.3	187.2	149.6	267.9
5994	16.5	46.2	70.2	88.4
5995	15.7	0.0	0.0	0.0
5996	14.9	0.0	0.0	0.0
5997	14.0	0.0	0.0	0.0
5998	13.5	0.0	0.0	0.0
5999	13.2	0.0	0.0	0.0
6000	13.0	0.0	0.0	0.0
6001	12.9	0.0	0.0	0.0
6002	12.9	0.0	0.0	0.0
6003	12.9	0.0	0.0	0.0
6004	13.0	0.0	0.0	0.0
6005	13.2	0.0	0.0	0.0
6006	13.3	0.0	0.0	0.0
6007	13.8	63.5	70.5	43.2
6008	14.5	244.9	142.9	93.5
6009	15.4	480.2	162.3	119.8
6010	16.9	277.3	255.1	169.4
6011	19.0	550.5	210.1	163.1
6012	21.0	861.5	127.9	138.5
6013	22.8	814.0	137.2	246.5
6014	24.5	788.0	135.3	434.5
6015	25.1	420.2	220.5	411.7
6016	24.3	617.9	130.7	595.5
6017	22.5	92.9	147.7	177.1
6018	20.7	2.9	32.9	22.7
6019	19.2	0.0	0.0	0.0
6020	17.7	0.0	0.0	0.0
6021	16.3	0.0	0.0	0.0
6022	15.3	0.0	0.0	0.0
6023	14.8	0.0	0.0	0.0
6024	14.2	0.0	0.0	0.0
6025	13.7	0.0	0.0	0.0
6026	13.2	0.0	0.0	0.0
6027	12.6	0.0	0.0	0.0
6028	11.8	0.0	0.0	0.0
6029	11.0	0.0	0.0	0.0
6030	9.7	0.0	0.0	0.0
6031	10.1	62.1	68.2	41.8
6032	12.1	210.8	143.8	92.9
6033	13.1	724.8	105.8	96.9
6034	13.4	134.3	271.1	170.5
6035	14.4	382.0	262.2	182.8
6036	15.5	400.9	273.4	192.6
6037	15.9	52.7	312.2	197.9
6038	16.4	168.5	308.8	260.8
6039	17.0	457.6	208.7	429.5
6040	17.3	7.4	146.5	94.1
6041	17.1	26.9	127.5	102.1
6042	16.4	1.4	22.0	14.6
6043	15.6	0.0	0.0	0.0
6044	14.8	0.0	0.0	0.0
6045	14.0	0.0	0.0	0.0
6046	13.5	0.0	0.0	0.0
6047	13.3	0.0	0.0	0.0
6048	13.1	0.0	0.0	0.0
6049	13.0	0.0	0.0	0.0
6050	12.9	0.0	0.0	0.0
6051	12.7	0.0	0.0	0.0
6052	12.6	0.0	0.0	0.0
6053	12.4	0.0	0.0	0.0
6054	11.7	0.0	0.0	0.0
6055	11.8	0.4	11.1	6.6
6056	12.8	26.1	125.1	75.9
6057	13.3	2.6	90.5	54.4
6058	14.1	3.9	139.4	83.9
6059	14.7	3.9	158.5	95.4
6060	15.0	4.1	174.8	105.2
6061	15.4	60.9	314.9	201.2
6062	15.9	21.2	258.1	164.3
6063	16.3	15.3	213.3	138.1
6064	16.4	17.2	172.6	118.0
6065	16.2	0.6	30.4	18.8
6066	16.0	60.8	65.9	100.5
6067	15.6	0.0	0.0	0.0
6068	15.1	0.0	0.0	0.0
6069	14.5	0.0	0.0	0.0
6070	14.2	0.0	0.0	0.0
6071	14.0	0.0	0.0	0.0
6072	13.9	0.0	0.0	0.0
6073	13.8	0.0	0.0	0.0
6074	13.7	0.0	0.0	0.0
6075	13.6	0.0	0.0	0.0
6076	13.4	0.0	0.0	0.0

6077	12.9	0.0	0.0	0.0
6078	12.4	0.0	0.0	0.0
6079	12.5	2.0	24.7	14.9
6080	13.3	78.0	139.7	86.2
6081	14.3	30.3	186.2	113.1
6082	15.1	244.5	255.7	167.4
6083	16.5	65.4	295.5	181.6
6084	17.9	329.0	291.9	198.3
6085	18.5	95.6	323.9	213.5
6086	18.5	550.9	206.3	370.4
6087	18.5	20.2	221.7	146.4
6088	18.2	252.3	201.2	331.8
6089	17.4	34.6	128.2	109.8
6090	16.5	84.8	65.5	124.3
6091	15.7	0.0	0.0	0.0
6092	14.9	0.0	0.0	0.0
6093	14.2	0.0	0.0	0.0
6094	13.7	0.0	0.0	0.0
6095	13.4	0.0	0.0	0.0
6096	13.2	0.0	0.0	0.0
6097	13.1	0.0	0.0	0.0
6098	13.1	0.0	0.0	0.0
6099	12.9	0.0	0.0	0.0
6100	12.8	0.0	0.0	0.0
6101	11.6	0.0	0.0	0.0
6102	11.4	0.0	0.0	0.0
6103	12.1	3.2	30.1	18.1
6104	12.1	2.0	52.2	31.4
6105	13.1	76.5	204.2	126.0
6106	14.6	296.3	243.8	163.1
6107	15.7	10.3	223.8	134.9
6108	15.9	1.1	90.9	54.6
6109	16.1	525.0	227.8	241.7
6110	16.6	4.5	169.2	103.6
6111	17.0	377.3	225.2	385.8
6112	16.7	53.9	197.8	163.8
6113	16.0	9.9	102.6	70.9
6114	15.4	1.7	22.0	14.9
6115	14.7	0.0	0.0	0.0
6116	13.9	0.0	0.0	0.0
6117	13.1	0.0	0.0	0.0
6118	12.6	0.0	0.0	0.0
6119	12.3	0.0	0.0	0.0
6120	12.1	0.0	0.0	0.0
6121	11.9	0.0	0.0	0.0
6122	11.8	0.0	0.0	0.0
6123	11.6	0.0	0.0	0.0
6124	11.9	0.0	0.0	0.0
6125	11.8	0.0	0.0	0.0
6126	11.4	0.0	0.0	0.0
6127	12.5	117.3	62.0	38.7
6128	13.6	18.9	113.8	68.8
6129	14.4	739.9	99.0	92.1
6130	15.5	153.8	262.5	166.1
6131	16.0	359.0	262.2	180.6
6132	16.3	126.3	322.8	202.5
6133	16.4	250.8	308.0	234.9
6134	16.1	26.0	260.8	168.1
6135	15.8	1.0	68.9	42.0
6136	15.5	3.3	98.5	61.9
6137	15.1	11.9	104.8	74.1
6138	14.6	4.1	32.8	23.8
6139	14.1	0.0	0.0	0.0
6140	13.6	0.0	0.0	0.0
6141	13.1	0.0	0.0	0.0
6142	12.7	0.0	0.0	0.0
6143	12.6	0.0	0.0	0.0
6144	12.4	0.0	0.0	0.0
6145	12.3	0.0	0.0	0.0
6146	12.2	0.0	0.0	0.0
6147	12.1	0.0	0.0	0.0
6148	11.9	0.0	0.0	0.0
6149	11.0	0.0	0.0	0.0
6150	10.3	0.0	0.0	0.0
6151	10.9	7.4	40.7	24.5
6152	12.7	5.3	81.8	49.2
6153	13.9	59.7	195.8	120.1
6154	14.8	463.2	199.7	145.7
6155	15.8	25.5	258.4	156.7
6156	16.6	29.8	282.1	171.3
6157	17.5	27.1	278.4	172.4
6158	18.2	140.5	300.4	243.0
6159	19.0	19.0	214.3	141.2
6160	19.0	325.0	183.7	382.0
6161	18.2	90.0	134.6	166.3
6162	17.4	9.5	43.2	35.4
6163	16.5	0.0	0.0	0.0
6164	15.6	0.0	0.0	0.0
6165	14.6	0.0	0.0	0.0
6166	14.0	0.0	0.0	0.0
6167	13.6	0.0	0.0	0.0
6168	13.3	0.0	0.0	0.0
6169	13.0	0.0	0.0	0.0
6170	12.8	0.0	0.0	0.0
6171	12.5	0.0	0.0	0.0
6172	12.5	0.0	0.0	0.0
6173	12.3	0.0	0.0	0.0
6174	11.9	0.0	0.0	0.0
6175	12.3	6.8	38.1	22.9
6176	12.6	3.2	63.0	37.9
6177	13.1	17.6	164.5	99.5
6178	13.7	3.8	131.2	78.9
6179	14.1	4.6	166.5	100.2
6180	14.8	2.2	123.5	74.2
6181	15.0	1.2	90.9	54.7
6182	15.0	2.6	126.1	76.8
6183	15.3	9.4	186.4	118.1
6184	15.3	19.0	166.7	115.9
6185	15.0	19.8	110.9	85.4
6186	14.7	4.8	32.7	24.4
6187	14.2	0.0	0.0	0.0
6188	13.6	0.0	0.0	0.0
6189	13.0	0.0	0.0	0.0
6190	12.6	0.0	0.0	0.0
6191	12.4	0.0	0.0	0.0
6192	12.1	0.0	0.0	0.0
6193	11.9	0.0	0.0	0.0
6194	11.7	0.0	0.0	0.0
6195	11.5	0.0	0.0	0.0
6196	11.4	0.0	0.0	0.0
6197	11.0	0.0	0.0	0.0
6198	11.1	0.0	0.0	0.0
6199	12.2	81.2	54.2	33.4
6200	13.9	19.1	108.5	65.6
6201	15.2	4.4	109.2	65.7
6202	16.5	279.0	239.7	159.1
6203	18.1	46.6	275.7	168.4
6204	19.5	265.0	299.2	197.5
6205	20.3	84.5	311.6	203.7
6206	20.2	3.0	134.2	81.9
6207	19.9	31.3	227.1	157.0
6208	19.4	11.4	150.6	99.9
6209	18.5	27.2	114.5	94.6
6210	17.6	18.1	45.1	45.2
6211	16.6	0.0	0.0	0.0
6212	15.5	0.0	0.0	0.0
6213	14.4	0.0	0.0	0.0
6214	13.6	0.0	0.0	0.0
6215	13.2	0.0	0.0	0.0
6216	12.7	0.0	0.0	0.0
6217	12.3	0.0	0.0	0.0
6218	11.9	0.0	0.0	0.0
6219	11.5	0.0	0.0	0.0
6220	11.5	0.0	0.0	0.0
6221	11.5	0.0	0.0	0.0
6222	11.3	0.0	0.0	0.0
6223	11.9	0.6	11.0	6.6
6224	12.9	4.1	68.3	41.1
6225	13.3	4.7	111.9	67.3
6226	13.3	8.4	178.7	107.7
6227	13.6	55.1	278.9	170.8
6228	14.4	57.7	299.7	183.7
6229	14.8	7.8	216.9	131.7
6230	14.9	76.8	287.3	206.6
6231	15.0	1.3	77.1	47.1
6232	14.8	78.6	194.1	182.1
6233	14.4	6.5	84.3	56.7
6234	14.0	9.1	37.9	31.8
6235	13.5	0.0	0.0	0.0
6236	12.8	0.0	0.0	0.0
6237	12.1	0.0	0.0	0.0
6238	11.6	0.0	0.0	0.0
6239	11.3	0.0	0.0	0.0
6240	10.9	0.0	0.0	0.0
6241	10.6	0.0	0.0	0.0
6242	10.3	0.0	0.0	0.0
6243	10.0	0.0	0.0	0.0
6244	9.7	0.0	0.0	0.0
6245	9.5	0.0	0.0	0.0
6246	9.3	0.0	0.0	0.0
6247	10.8	0.4	8.3	5.0

6248	13.5	228.4	123.3	80.1	6305	11.0	5.3	73.6	49.2	6362	17.1	0.0	0.0	0.0
6249	15.4	53.9	185.5	113.5	6306	10.6	4.2	24.6	19.0	6363	16.5	0.0	0.0	0.0
6250	16.4	420.6	204.2	145.1	6307	10.1	0.0	0.0	0.0	6364	15.3	0.0	0.0	0.0
6251	18.1	752.2	136.9	129.0	6308	9.6	0.0	0.0	0.0	6365	14.2	0.0	0.0	0.0
6252	19.9	672.4	171.2	147.6	6309	9.0	0.0	0.0	0.0	6366	15.1	0.0	0.0	0.0
6253	20.5	183.5	309.5	221.9	6310	8.6	0.0	0.0	0.0	6367	17.5	12.1	29.5	17.8
6254	20.2	236.7	281.3	274.1	6311	8.4	0.0	0.0	0.0	6368	19.8	491.4	85.7	63.2
6255	19.7	695.5	132.3	540.0	6312	8.1	0.0	0.0	0.0	6369	19.9	6.8	122.3	73.6
6256	18.9	47.2	182.8	149.1	6313	7.9	0.0	0.0	0.0	6370	19.5	391.0	202.5	141.4
6257	17.5	153.8	127.2	222.5	6314	7.6	0.0	0.0	0.0	6371	20.1	14.0	219.3	132.4
6258	16.1	5.2	30.0	23.2	6315	7.4	0.0	0.0	0.0	6372	20.5	242.4	289.8	189.4
6259	14.8	0.0	0.0	0.0	6316	7.3	0.0	0.0	0.0	6373	20.8	125.7	301.7	205.5
6260	13.7	0.0	0.0	0.0	6317	8.7	0.0	0.0	0.0	6374	20.4	50.5	263.9	180.7
6261	12.5	0.0	0.0	0.0	6318	9.8	0.0	0.0	0.0	6375	20.9	309.3	219.9	336.0
6262	11.5	0.0	0.0	0.0	6319	9.8	7.6	29.8	18.0	6376	21.6	15.4	146.7	100.8
6263	10.7	0.0	0.0	0.0	6320	11.2	34.0	107.8	65.6	6377	21.2	244.8	111.1	298.7
6264	9.9	0.0	0.0	0.0	6321	13.2	134.6	189.5	119.1	6378	20.4	8.1	27.1	24.4
6265	9.2	0.0	0.0	0.0	6322	14.5	27.3	213.3	129.4	6379	19.5	0.0	0.0	0.0
6266	8.4	0.0	0.0	0.0	6323	15.6	441.8	225.4	162.0	6380	18.7	0.0	0.0	0.0
6267	7.7	0.0	0.0	0.0	6324	16.6	63.5	294.2	180.7	6381	17.7	0.0	0.0	0.0
6268	7.3	0.0	0.0	0.0	6325	17.0	539.2	210.9	232.1	6382	17.0	0.0	0.0	0.0
6269	7.4	0.0	0.0	0.0	6326	16.9	668.9	157.8	391.3	6383	16.5	0.0	0.0	0.0
6270	8.0	0.0	0.0	0.0	6327	16.8	4.2	131.1	81.4	6384	15.9	0.0	0.0	0.0
6271	8.6	9.8	35.1	21.1	6328	16.1	52.4	178.6	150.8	6385	15.4	0.0	0.0	0.0
6272	9.4	22.0	105.2	63.7	6329	14.8	10.5	88.9	63.3	6386	15.0	0.0	0.0	0.0
6273	10.1	69.0	187.8	115.5	6330	14.0	7.6	29.8	25.5	6387	14.4	0.0	0.0	0.0
6274	10.3	1.1	68.9	41.4	6331	13.2	0.0	0.0	0.0	6388	13.6	0.0	0.0	0.0
6275	11.3	43.2	267.4	163.1	6332	12.5	0.0	0.0	0.0	6389	13.5	0.0	0.0	0.0
6276	13.0	64.2	298.7	183.5	6333	11.8	0.0	0.0	0.0	6390	13.8	0.0	0.0	0.0
6277	13.4	142.0	310.4	214.2	6334	11.3	0.0	0.0	0.0	6391	15.0	382.7	31.0	21.2
6278	13.8	1.6	96.2	58.4	6335	11.1	0.0	0.0	0.0	6392	15.8	0.6	22.1	13.3
6279	14.6	7.2	168.3	105.8	6336	10.9	0.0	0.0	0.0	6393	15.9	51.0	171.6	104.9
6280	14.5	121.1	193.8	217.3	6337	10.8	0.0	0.0	0.0	6394	17.0	33.4	213.4	129.7
6281	13.9	17.0	101.0	76.8	6338	10.7	0.0	0.0	0.0	6395	18.0	114.8	278.3	173.8
6282	13.3	5.7	30.0	23.7	6339	10.6	0.0	0.0	0.0	6396	19.0	106.3	298.2	185.6
6283	12.5	0.0	0.0	0.0	6340	10.7	0.0	0.0	0.0	6397	20.0	302.0	274.8	223.5
6284	11.7	0.0	0.0	0.0	6341	11.0	0.0	0.0	0.0	6398	20.5	172.1	277.3	242.4
6285	10.9	0.0	0.0	0.0	6342	11.3	0.0	0.0	0.0	6399	20.4	11.7	180.1	115.8
6286	10.3	0.0	0.0	0.0	6343	12.1	1.6	13.8	8.3	6400	19.9	91.9	180.5	184.8
6287	10.0	0.0	0.0	0.0	6344	13.8	225.9	114.7	74.4	6401	19.1	2.8	49.3	32.2
6288	9.7	0.0	0.0	0.0	6345	15.0	206.1	183.6	118.3	6402	18.0	10.5	27.0	26.6
6289	9.5	0.0	0.0	0.0	6346	17.4	902.5	93.3	102.5	6403	17.0	0.0	0.0	0.0
6290	9.4	0.0	0.0	0.0	6347	20.0	648.0	162.8	136.7	6404	16.2	0.0	0.0	0.0
6291	9.3	0.0	0.0	0.0	6348	22.3	888.4	115.5	126.8	6405	15.6	0.0	0.0	0.0
6292	9.4	0.0	0.0	0.0	6349	24.0	618.1	184.2	231.1	6406	15.2	0.0	0.0	0.0
6293	9.1	0.0	0.0	0.0	6350	24.5	603.6	176.0	372.9	6407	14.6	0.0	0.0	0.0
6294	8.4	0.0	0.0	0.0	6351	25.2	557.4	163.2	466.0	6408	14.0	0.0	0.0	0.0
6295	8.5	0.5	8.3	5.0	6352	24.7	233.8	180.7	303.1	6409	13.4	0.0	0.0	0.0
6296	9.1	6.9	81.5	49.1	6353	23.0	197.3	116.4	257.0	6410	12.8	0.0	0.0	0.0
6297	9.8	16.7	154.2	93.2	6354	21.5	13.8	32.1	33.0	6411	12.1	0.0	0.0	0.0
6298	10.7	5.8	155.2	93.4	6355	20.3	0.0	0.0	0.0	6412	11.9	0.0	0.0	0.0
6299	11.4	4.6	161.0	96.9	6356	19.3	0.0	0.0	0.0	6413	12.6	0.0	0.0	0.0
6300	11.6	10.8	228.9	138.1	6357	18.3	0.0	0.0	0.0	6414	12.3	0.0	0.0	0.0
6301	11.4	6.5	201.2	122.0	6358	17.8	0.0	0.0	0.0	6415	11.5	8.7	24.4	14.7
6302	11.3	4.9	166.4	102.0	6359	17.6	0.0	0.0	0.0	6416	12.5	650.6	63.8	53.2
6303	11.4	7.8	170.8	107.7	6360	17.4	0.0	0.0	0.0	6417	13.6	293.6	166.7	111.1
6304	11.3	0.8	44.1	27.1	6361	17.3	0.0	0.0	0.0	6418	14.6	448.6	185.5	133.7

6419	16.0	98.9	274.5	170.5	6476	14.2	0.0	0.0	0.0	6533	14.6	0.0	0.0	0.0
6420	17.0	92.1	293.9	182.1	6477	13.5	0.0	0.0	0.0	6534	13.4	0.0	0.0	0.0
6421	17.3	900.1	113.4	242.2	6478	13.0	0.0	0.0	0.0	6535	13.4	0.8	5.5	3.3
6422	17.1	3.0	126.0	76.9	6479	12.6	0.0	0.0	0.0	6536	13.6	35.7	89.6	54.5
6423	17.1	129.6	236.8	227.4	6480	12.2	0.0	0.0	0.0	6537	13.8	22.2	142.0	86.0
6424	16.8	71.4	175.1	164.3	6481	11.9	0.0	0.0	0.0	6538	14.1	1.7	77.0	46.3
6425	16.0	127.1	111.3	187.0	6482	11.7	0.0	0.0	0.0	6539	14.3	3.6	131.3	79.0
6426	15.0	13.8	26.8	29.8	6483	11.6	0.0	0.0	0.0	6540	15.1	279.8	267.4	177.3
6427	14.1	0.0	0.0	0.0	6484	11.7	0.0	0.0	0.0	6541	15.8	2.1	107.1	64.6
6428	13.3	0.0	0.0	0.0	6485	11.3	0.0	0.0	0.0	6542	16.0	2.3	104.3	63.6
6429	12.5	0.0	0.0	0.0	6486	10.3	0.0	0.0	0.0	6543	16.3	91.4	222.5	193.3
6430	11.8	0.0	0.0	0.0	6487	10.5	5.0	16.4	9.8	6544	16.0	15.2	133.4	92.6
6431	11.2	0.0	0.0	0.0	6488	10.6	1.0	27.6	16.6	6545	15.4	1.4	30.3	19.4
6432	10.6	0.0	0.0	0.0	6489	10.6	2.9	76.7	46.1	6546	14.7	4.7	13.6	12.9
6433	10.0	0.0	0.0	0.0	6490	11.7	7.7	157.3	94.8	6547	14.0	0.0	0.0	0.0
6434	9.4	0.0	0.0	0.0	6491	12.8	111.1	269.0	167.7	6548	13.4	0.0	0.0	0.0
6435	8.8	0.0	0.0	0.0	6492	13.6	21.1	242.4	146.7	6549	12.9	0.0	0.0	0.0
6436	8.2	0.0	0.0	0.0	6493	14.1	21.1	242.4	149.5	6550	12.4	0.0	0.0	0.0
6437	8.8	0.0	0.0	0.0	6494	14.5	6.9	179.3	110.6	6551	12.0	0.0	0.0	0.0
6438	8.8	0.0	0.0	0.0	6495	14.9	4.0	120.2	74.8	6552	11.7	0.0	0.0	0.0
6439	9.1	3.8	16.4	9.9	6496	15.0	2.5	71.3	44.8	6553	11.4	0.0	0.0	0.0
6440	10.9	106.3	108.4	67.4	6497	14.8	2.6	43.9	28.8	6554	11.1	0.0	0.0	0.0
6441	11.9	24.2	151.8	92.0	6498	14.4	2.2	11.0	8.8	6555	11.0	0.0	0.0	0.0
6442	12.9	11.9	177.3	107.0	6499	14.1	0.0	0.0	0.0	6556	11.0	0.0	0.0	0.0
6443	13.9	87.8	270.5	167.4	6500	13.9	0.0	0.0	0.0	6557	10.9	0.0	0.0	0.0
6444	14.6	20.5	245.3	148.5	6501	13.7	0.0	0.0	0.0	6558	9.9	0.0	0.0	0.0
6445	15.0	299.1	271.4	220.6	6502	13.7	0.0	0.0	0.0	6559	9.2	0.9	5.5	3.3
6446	14.7	10.5	202.2	125.9	6503	13.8	0.0	0.0	0.0	6560	10.1	21.9	81.6	49.4
6447	14.8	41.6	215.2	156.4	6504	13.8	0.0	0.0	0.0	6561	10.8	69.8	161.2	99.1
6448	15.3	129.9	178.1	214.7	6505	13.9	0.0	0.0	0.0	6562	10.9	5.8	138.9	83.6
6449	15.2	139.7	109.0	197.5	6506	14.0	0.0	0.0	0.0	6563	11.7	4.8	150.1	90.3
6450	15.1	18.9	26.5	34.8	6507	14.0	0.0	0.0	0.0	6564	12.7	348.3	249.5	170.5
6451	15.1	0.0	0.0	0.0	6508	13.9	0.0	0.0	0.0	6565	13.2	515.9	203.1	219.9
6452	15.2	0.0	0.0	0.0	6509	13.1	0.0	0.0	0.0	6566	13.6	474.0	199.6	326.9
6453	15.3	0.0	0.0	0.0	6510	12.5	0.0	0.0	0.0	6567	13.9	502.2	162.9	426.1
6454	15.5	0.0	0.0	0.0	6511	13.3	17.7	21.2	12.8	6568	13.2	498.7	122.2	485.1
6455	15.9	0.0	0.0	0.0	6512	14.8	1.1	27.6	16.6	6569	11.9	2.6	41.1	27.1
6456	16.3	0.0	0.0	0.0	6513	16.1	124.4	171.0	107.0	6570	10.9	9.5	16.2	19.2
6457	16.8	0.0	0.0	0.0	6514	16.7	1.9	82.4	49.5	6571	10.1	0.0	0.0	0.0
6458	17.2	0.0	0.0	0.0	6515	17.8	384.7	226.4	157.5	6572	9.4	0.0	0.0	0.0
6459	17.4	0.0	0.0	0.0	6516	19.7	5.4	174.4	105.0	6573	8.7	0.0	0.0	0.0
6460	16.7	0.0	0.0	0.0	6517	20.3	471.9	219.3	221.8	6574	8.3	0.0	0.0	0.0
6461	15.4	0.0	0.0	0.0	6518	19.9	3.7	134.0	82.0	6575	8.1	0.0	0.0	0.0
6462	14.6	0.0	0.0	0.0	6519	19.5	136.9	227.6	226.3	6576	7.9	0.0	0.0	0.0
6463	14.4	6.0	19.1	11.5	6520	18.6	15.6	135.9	94.5	6577	7.8	0.0	0.0	0.0
6464	14.9	11.9	80.6	48.6	6521	17.6	17.3	82.3	65.7	6578	7.9	0.0	0.0	0.0
6465	15.6	19.8	145.3	87.9	6522	16.4	4.0	13.7	12.2	6579	8.0	0.0	0.0	0.0
6466	16.0	75.2	226.4	139.5	6523	15.8	0.0	0.0	0.0	6580	8.4	0.0	0.0	0.0
6467	16.2	8.7	192.2	115.8	6524	15.5	0.0	0.0	0.0	6581	9.2	0.0	0.0	0.0
6468	16.7	14.5	229.8	138.8	6525	15.0	0.0	0.0	0.0	6582	9.4	0.0	0.0	0.0
6469	17.0	29.3	256.6	159.6	6526	14.6	0.0	0.0	0.0	6583	8.7	29.5	18.1	11.0
6470	16.8	4.7	152.8	93.8	6527	14.3	0.0	0.0	0.0	6584	8.6	1.5	30.3	18.2
6471	16.9	8.9	165.0	104.8	6528	14.2	0.0	0.0	0.0	6585	8.6	30.8	144.7	87.9
6472	16.7	7.5	119.4	77.8	6529	14.3	0.0	0.0	0.0	6586	9.0	474.7	167.4	122.4
6473	16.1	38.2	96.8	94.2	6530	14.7	0.0	0.0	0.0	6587	9.5	7.4	176.4	106.3
6474	15.5	26.8	26.1	42.3	6531	15.3	0.0	0.0	0.0	6588	10.3	343.6	248.6	169.5
6475	14.9	0.0	0.0	0.0	6532	15.6	0.0	0.0	0.0	6589	10.7	85.0	276.6	182.0

6590	10.4	216.3	254.3	246.9
6591	10.0	39.3	200.9	146.2
6592	9.4	5.9	103.5	67.0
6593	8.7	15.0	74.7	58.9
6594	8.0	6.7	13.6	14.8
6595	7.4	0.0	0.0	0.0
6596	6.9	0.0	0.0	0.0
6597	6.4	0.0	0.0	0.0
6598	6.0	0.0	0.0	0.0
6599	5.9	0.0	0.0	0.0
6600	5.7	0.0	0.0	0.0
6601	5.5	0.0	0.0	0.0
6602	5.4	0.0	0.0	0.0
6603	5.6	0.0	0.0	0.0
6604	6.0	0.0	0.0	0.0
6605	6.4	0.0	0.0	0.0
6606	7.3	0.0	0.0	0.0
6607	8.3	0.3	2.8	1.7
6608	9.2	77.2	90.3	55.6
6609	10.2	5.5	98.1	59.0
6610	10.8	0.9	55.1	33.1
6611	10.8	12.2	196.0	118.3
6612	11.0	52.8	262.9	160.9
6613	11.7	6.1	176.9	107.3
6614	12.1	16.7	207.4	131.7
6615	12.2	116.5	217.8	206.6
6616	12.3	46.9	150.4	128.9
6617	11.8	5.2	54.5	37.6
6618	11.2	20.8	15.8	30.0
6619	10.7	0.0	0.0	0.0
6620	10.2	0.0	0.0	0.0
6621	9.7	0.0	0.0	0.0
6622	9.3	0.0	0.0	0.0
6623	9.2	0.0	0.0	0.0
6624	9.1	0.0	0.0	0.0
6625	9.0	0.0	0.0	0.0
6626	9.0	0.0	0.0	0.0
6627	9.0	0.0	0.0	0.0
6628	9.5	0.0	0.0	0.0
6629	9.4	0.0	0.0	0.0
6630	8.2	0.0	0.0	0.0
6631	8.3	3.3	8.2	4.9
6632	9.1	37.7	81.6	49.7
6633	9.3	29.8	139.9	84.9
6634	10.7	7.0	144.0	86.7
6635	12.9	441.4	202.9	145.4
6636	14.5	30.2	243.3	147.7
6637	15.5	25.6	237.6	147.4
6638	15.8	386.1	216.4	297.7
6639	16.0	27.4	187.3	130.3
6640	15.8	255.5	151.8	301.3
6641	14.8	98.5	89.4	146.0
6642	13.8	32.2	15.5	41.1
6643	13.2	0.0	0.0	0.0
6644	12.7	0.0	0.0	0.0
6645	12.2	0.0	0.0	0.0
6646	12.0	0.0	0.0	0.0
6647	11.9	0.0	0.0	0.0
6648	11.9	0.0	0.0	0.0
6649	11.9	0.0	0.0	0.0
6650	11.9	0.0	0.0	0.0
6651	11.8	0.0	0.0	0.0
6652	11.6	0.0	0.0	0.0
6653	11.1	0.0	0.0	0.0
6654	9.9	0.0	0.0	0.0
6655	9.6	7.7	10.9	6.5
6656	10.4	1.7	30.2	18.2
6657	10.8	3.5	76.6	46.1
6658	11.5	8.9	151.5	91.3
6659	12.3	28.2	220.8	134.0
6660	13.1	5.1	160.9	96.8
6661	13.6	63.0	263.1	169.7
6662	13.8	18.3	206.7	132.0
6663	14.1	33.3	190.3	135.9
6664	14.0	0.8	35.9	22.1
6665	13.7	2.4	35.7	23.7
6666	13.3	7.7	10.9	14.1
6667	12.9	0.0	0.0	0.0
6668	12.7	0.0	0.0	0.0
6669	12.4	0.0	0.0	0.0
6670	12.2	0.0	0.0	0.0
6671	12.2	0.0	0.0	0.0
6672	12.1	0.0	0.0	0.0
6673	12.1	0.0	0.0	0.0
6674	12.0	0.0	0.0	0.0
6675	12.0	0.0	0.0	0.0
6676	11.8	0.0	0.0	0.0
6677	11.1	0.0	0.0	0.0
6678	10.1	0.0	0.0	0.0
6679	9.4	0.5	2.8	1.7
6680	9.8	0.6	16.6	10.0
6681	10.9	7.7	105.8	63.7
6682	12.8	13.5	163.4	98.6
6683	15.0	2.2	96.1	57.8
6684	16.4	364.8	235.4	162.0
6685	16.9	700.7	143.0	216.7
6686	16.8	349.4	220.9	283.8
6687	17.2	182.6	209.3	244.1
6688	17.1	63.5	148.5	141.2
6689	16.4	141.3	85.4	183.4
6690	15.5	82.1	14.1	89.4
6691	14.6	0.0	0.0	0.0
6692	13.9	0.0	0.0	0.0
6693	13.3	0.0	0.0	0.0
6694	12.9	0.0	0.0	0.0
6695	12.5	0.0	0.0	0.0
6696	12.2	0.0	0.0	0.0
6697	11.9	0.0	0.0	0.0
6698	11.6	0.0	0.0	0.0
6699	11.1	0.0	0.0	0.0
6700	10.6	0.0	0.0	0.0
6701	10.2	0.0	0.0	0.0
6702	9.7	0.0	0.0	0.0
6703	9.2	0.0	0.0	0.0
6704	10.0	48.6	77.5	47.3
6705	11.0	4.0	79.3	47.7
6706	12.1	51.8	196.4	120.1
6707	13.7	133.1	248.8	156.2
6708	15.1	360.1	234.5	161.0
6709	15.0	32.7	239.5	149.8
6710	14.1	4.1	131.1	80.5
6711	14.0	48.6	195.0	148.5
6712	13.0	196.3	150.1	251.0
6713	11.6	9.3	59.5	44.4
6714	10.6	0.0	0.0	0.0
6715	9.8	0.0	0.0	0.0
6716	9.0	0.0	0.0	0.0
6717	8.2	0.0	0.0	0.0
6718	7.7	0.0	0.0	0.0
6719	7.4	0.0	0.0	0.0
6720	7.1	0.0	0.0	0.0
6721	6.8	0.0	0.0	0.0
6722	6.7	0.0	0.0	0.0
6723	6.8	0.0	0.0	0.0
6724	7.2	0.0	0.0	0.0
6725	7.4	0.0	0.0	0.0
6726	7.2	0.0	0.0	0.0
6727	7.3	0.0	0.0	0.0
6728	7.8	3.8	41.0	24.7
6729	9.0	0.6	30.4	18.2
6730	11.2	261.7	195.8	128.7
6731	13.0	233.9	238.1	154.9
6732	14.4	516.6	191.7	143.9
6733	15.3	96.4	264.5	176.6
6734	15.2	63.0	236.4	169.0
6735	15.1	13.9	160.5	105.3
6736	15.0	92.8	148.1	164.8
6737	14.3	0.8	19.3	12.4
6738	13.4	0.0	0.0	0.0
6739	12.8	0.0	0.0	0.0
6740	12.3	0.0	0.0	0.0
6741	11.9	0.0	0.0	0.0
6742	11.7	0.0	0.0	0.0
6743	11.6	0.0	0.0	0.0
6744	11.4	0.0	0.0	0.0
6745	11.3	0.0	0.0	0.0
6746	11.2	0.0	0.0	0.0
6747	10.9	0.0	0.0	0.0
6748	10.5	0.0	0.0	0.0
6749	9.9	0.0	0.0	0.0
6750	10.2	0.0	0.0	0.0
6751	11.2	0.0	0.0	0.0
6752	12.3	12.0	59.1	35.7
6753	14.0	261.5	140.0	91.9
6754	15.7	401.1	169.9	118.9
6755	16.9	388.8	206.0	143.4
6756	17.5	146.4	264.6	166.8
6757	17.7	286.9	246.4	200.8
6758	18.0	25.3	209.1	136.3
6759	18.4	61.8	195.3	157.1
6760	18.0	12.7	112.7	78.0

6761	16.9	64.9	75.3	105.7	6818	8.7	0.0	0.0	0.0	6875	11.8	1.3	68.8	41.3
6762	15.7	0.0	0.0	0.0	6819	8.6	0.0	0.0	0.0	6876	12.0	18.7	206.6	124.9
6763	14.9	0.0	0.0	0.0	6820	8.5	0.0	0.0	0.0	6877	12.2	2.5	104.2	63.0
6764	14.5	0.0	0.0	0.0	6821	8.2	0.0	0.0	0.0	6878	12.3	1.2	66.1	40.2
6765	14.1	0.0	0.0	0.0	6822	8.0	0.0	0.0	0.0	6879	12.4	15.4	152.0	101.1
6766	13.8	0.0	0.0	0.0	6823	7.8	0.0	0.0	0.0	6880	12.2	19.0	111.2	82.1
6767	13.5	0.0	0.0	0.0	6824	7.5	4.9	40.9	24.6	6881	11.8	3.6	32.8	23.1
6768	13.3	0.0	0.0	0.0	6825	7.9	1.8	49.5	29.7	6882	11.3	0.0	0.0	0.0
6769	13.0	0.0	0.0	0.0	6826	9.1	127.1	196.8	123.2	6883	10.9	0.0	0.0	0.0
6770	12.6	0.0	0.0	0.0	6827	10.2	432.7	190.2	135.4	6884	10.7	0.0	0.0	0.0
6771	11.9	0.0	0.0	0.0	6828	11.5	659.3	146.9	123.5	6885	10.4	0.0	0.0	0.0
6772	11.0	0.0	0.0	0.0	6829	12.9	619.8	157.4	207.7	6886	10.2	0.0	0.0	0.0
6773	9.3	0.0	0.0	0.0	6830	13.7	569.9	157.1	338.1	6887	10.1	0.0	0.0	0.0
6774	8.5	0.0	0.0	0.0	6831	14.1	543.8	136.0	431.2	6888	10.0	0.0	0.0	0.0
6775	8.7	0.0	0.0	0.0	6832	13.8	447.7	110.7	430.6	6889	9.8	0.0	0.0	0.0
6776	9.1	25.9	65.3	39.5	6833	13.0	102.0	70.7	137.0	6890	9.6	0.0	0.0	0.0
6777	9.6	6.7	95.2	57.3	6834	12.4	0.0	0.0	0.0	6891	9.5	0.0	0.0	0.0
6778	10.0	654.7	115.9	96.9	6835	12.0	0.0	0.0	0.0	6892	9.2	0.0	0.0	0.0
6779	10.5	328.5	217.0	146.7	6836	11.9	0.0	0.0	0.0	6893	9.3	0.0	0.0	0.0
6780	10.7	337.5	233.5	158.6	6837	11.8	0.0	0.0	0.0	6894	9.3	0.0	0.0	0.0
6781	10.7	85.3	257.9	170.4	6838	11.9	0.0	0.0	0.0	6895	9.3	0.0	0.0	0.0
6782	10.5	402.9	200.9	293.6	6839	12.2	0.0	0.0	0.0	6896	10.7	7.5	43.4	26.2
6783	10.3	1.5	63.3	38.9	6840	12.4	0.0	0.0	0.0	6897	12.2	23.4	112.8	68.3
6784	10.1	151.0	145.0	210.2	6841	12.6	0.0	0.0	0.0	6898	12.4	2.8	82.2	49.4
6785	9.4	25.9	65.3	63.3	6842	12.7	0.0	0.0	0.0	6899	12.5	8.3	159.9	96.3
6786	8.5	0.0	0.0	0.0	6843	12.4	0.0	0.0	0.0	6900	13.3	7.3	168.3	101.4
6787	7.8	0.0	0.0	0.0	6844	11.8	0.0	0.0	0.0	6901	13.8	50.2	234.4	149.7
6788	7.2	0.0	0.0	0.0	6845	9.9	0.0	0.0	0.0	6902	14.0	5.5	139.0	85.7
6789	6.6	0.0	0.0	0.0	6846	8.4	0.0	0.0	0.0	6903	14.3	25.0	162.2	113.3
6790	6.2	0.0	0.0	0.0	6847	8.6	0.0	0.0	0.0	6904	14.4	16.3	106.5	77.1
6791	5.8	0.0	0.0	0.0	6848	10.0	4.0	35.5	21.4	6905	14.0	3.9	32.8	23.3
6792	5.5	0.0	0.0	0.0	6849	11.4	7.2	92.3	55.6	6906	13.6	0.0	0.0	0.0
6793	5.1	0.0	0.0	0.0	6850	11.8	13.4	150.0	90.6	6907	13.4	0.0	0.0	0.0
6794	4.7	0.0	0.0	0.0	6851	12.4	0.9	57.9	34.8	6908	13.3	0.0	0.0	0.0
6795	4.4	0.0	0.0	0.0	6852	13.4	5.4	152.6	91.9	6909	13.3	0.0	0.0	0.0
6796	4.1	0.0	0.0	0.0	6853	14.2	8.0	176.2	107.2	6910	13.3	0.0	0.0	0.0
6797	3.3	0.0	0.0	0.0	6854	14.6	18.3	190.9	122.3	6911	13.4	0.0	0.0	0.0
6798	1.6	0.0	0.0	0.0	6855	15.0	308.6	177.8	304.8	6912	13.5	0.0	0.0	0.0
6799	2.3	0.0	0.0	0.0	6856	15.0	19.6	113.7	84.1	6913	13.6	0.0	0.0	0.0
6800	4.6	12.9	56.3	34.0	6857	14.7	14.0	53.5	45.0	6914	13.6	0.0	0.0	0.0
6801	5.8	4.0	73.8	44.4	6858	14.3	0.0	0.0	0.0	6915	13.6	0.0	0.0	0.0
6802	6.7	5.7	122.6	73.8	6859	14.1	0.0	0.0	0.0	6916	13.5	0.0	0.0	0.0
6803	7.9	509.8	173.5	129.5	6860	14.0	0.0	0.0	0.0	6917	12.3	0.0	0.0	0.0
6804	9.5	5.9	163.4	98.4	6861	14.0	0.0	0.0	0.0	6918	11.2	0.0	0.0	0.0
6805	10.6	11.2	193.8	118.3	6862	14.1	0.0	0.0	0.0	6919	11.1	0.0	0.0	0.0
6806	10.8	4.7	133.7	82.2	6863	14.2	0.0	0.0	0.0	6920	11.7	6.9	40.8	24.5
6807	10.8	242.3	191.6	271.0	6864	14.4	0.0	0.0	0.0	6921	11.8	3.4	62.9	37.9
6808	10.4	20.8	118.7	88.1	6865	14.5	0.0	0.0	0.0	6922	11.7	0.8	44.1	26.5
6809	9.8	63.7	70.6	101.5	6866	14.6	0.0	0.0	0.0	6923	12.5	49.3	212.3	129.7
6810	9.3	0.0	0.0	0.0	6867	14.6	0.0	0.0	0.0	6924	13.4	505.0	181.4	134.8
6811	8.9	0.0	0.0	0.0	6868	14.5	0.0	0.0	0.0	6925	14.3	26.6	213.8	133.1
6812	8.6	0.0	0.0	0.0	6869	12.8	0.0	0.0	0.0	6926	14.8	133.7	227.2	193.0
6813	8.4	0.0	0.0	0.0	6870	11.1	0.0	0.0	0.0	6927	14.9	17.5	151.4	102.0
6814	8.4	0.0	0.0	0.0	6871	11.5	0.0	0.0	0.0	6928	14.7	17.9	106.2	78.1
6815	8.5	0.0	0.0	0.0	6872	12.0	2.5	27.4	16.5	6929	14.1	4.2	32.8	23.6
6816	8.6	0.0	0.0	0.0	6873	12.0	1.8	46.7	28.1	6930	13.6	0.0	0.0	0.0
6817	8.7	0.0	0.0	0.0	6874	11.8	40.2	175.3	106.7	6931	13.2	0.0	0.0	0.0

6932	12.9	0.0	0.0	0.0	6989	7.1	0.0	0.0	0.0	7046	16.3	579.9	141.2	327.8
6933	12.6	0.0	0.0	0.0	6990	5.6	0.0	0.0	0.0	7047	16.2	31.5	155.0	112.9
6934	12.5	0.0	0.0	0.0	6991	5.2	0.0	0.0	0.0	7048	15.2	0.5	22.1	13.7
6935	12.4	0.0	0.0	0.0	6992	5.6	3.7	27.4	16.4	7049	14.3	8.5	35.2	28.9
6936	12.3	0.0	0.0	0.0	6993	5.7	1.2	35.8	21.5	7050	13.6	0.0	0.0	0.0
6937	12.2	0.0	0.0	0.0	6994	6.2	0.6	35.9	21.6	7051	13.0	0.0	0.0	0.0
6938	12.0	0.0	0.0	0.0	6995	7.4	0.8	49.7	29.8	7052	12.7	0.0	0.0	0.0
6939	11.8	0.0	0.0	0.0	6996	7.8	13.2	185.0	111.6	7053	12.4	0.0	0.0	0.0
6940	11.4	0.0	0.0	0.0	6997	8.0	2.0	87.9	53.1	7054	12.2	0.0	0.0	0.0
6941	10.6	0.0	0.0	0.0	6998	8.0	1.7	74.2	45.2	7055	12.0	0.0	0.0	0.0
6942	10.0	0.0	0.0	0.0	6999	8.0	0.6	35.9	21.9	7056	11.8	0.0	0.0	0.0
6943	9.9	0.0	0.0	0.0	7000	7.8	0.5	22.1	13.6	7057	11.5	0.0	0.0	0.0
6944	10.1	58.1	56.6	34.6	7001	7.4	1.8	19.2	13.2	7058	11.2	0.0	0.0	0.0
6945	10.8	17.2	103.6	62.6	7002	7.0	0.0	0.0	0.0	7059	10.6	0.0	0.0	0.0
6946	11.8	2.7	79.5	47.8	7003	6.6	0.0	0.0	0.0	7060	9.8	0.0	0.0	0.0
6947	12.4	1.0	57.9	34.8	7004	6.3	0.0	0.0	0.0	7061	9.0	0.0	0.0	0.0
6948	12.4	94.1	242.7	150.4	7005	6.0	0.0	0.0	0.0	7062	9.9	0.0	0.0	0.0
6949	12.4	42.2	225.2	142.7	7006	5.7	0.0	0.0	0.0	7063	10.5	0.0	0.0	0.0
6950	12.3	72.4	218.2	161.6	7007	5.5	0.0	0.0	0.0	7064	10.2	20.0	39.6	24.0
6951	12.2	0.8	44.1	27.0	7008	5.4	0.0	0.0	0.0	7065	10.8	465.8	90.3	65.2
6952	11.9	2.0	46.7	29.6	7009	5.2	0.0	0.0	0.0	7066	12.3	222.3	168.6	109.0
6953	11.3	4.5	32.8	23.8	7010	4.9	0.0	0.0	0.0	7067	14.1	200.9	209.5	134.5
6954	10.7	0.0	0.0	0.0	7011	4.8	0.0	0.0	0.0	7068	14.9	457.2	182.4	131.5
6955	10.1	0.0	0.0	0.0	7012	4.6	0.0	0.0	0.0	7069	14.8	478.4	177.5	190.6
6956	9.7	0.0	0.0	0.0	7013	5.3	0.0	0.0	0.0	7070	14.2	707.1	111.9	362.8
6957	9.2	0.0	0.0	0.0	7014	5.8	0.0	0.0	0.0	7071	13.7	149.7	172.9	198.2
6958	8.9	0.0	0.0	0.0	7015	5.6	0.0	0.0	0.0	7072	12.7	1.2	33.0	20.8
6959	8.6	0.0	0.0	0.0	7016	5.6	9.5	37.8	22.8	7073	11.7	10.2	35.1	30.4
6960	8.3	0.0	0.0	0.0	7017	6.1	0.5	22.1	13.3	7074	10.7	0.0	0.0	0.0
6961	8.0	0.0	0.0	0.0	7018	7.1	0.7	38.6	23.2	7075	9.8	0.0	0.0	0.0
6962	7.7	0.0	0.0	0.0	7019	8.5	2.9	95.9	57.7	7076	9.2	0.0	0.0	0.0
6963	7.4	0.0	0.0	0.0	7020	9.7	2.7	101.4	61.0	7077	8.4	0.0	0.0	0.0
6964	6.9	0.0	0.0	0.0	7021	10.1	25.3	203.9	126.8	7078	7.8	0.0	0.0	0.0
6965	6.0	0.0	0.0	0.0	7022	10.5	61.1	208.0	150.4	7079	7.3	0.0	0.0	0.0
6966	5.3	0.0	0.0	0.0	7023	10.8	0.8	41.4	25.3	7080	6.7	0.0	0.0	0.0
6967	6.5	0.0	0.0	0.0	7024	10.8	0.8	27.6	17.2	7081	6.2	0.0	0.0	0.0
6968	8.0	35.3	51.3	31.1	7025	10.6	2.0	19.2	13.3	7082	5.7	0.0	0.0	0.0
6969	7.6	2.5	52.1	31.3	7026	10.4	0.0	0.0	0.0	7083	5.2	0.0	0.0	0.0
6970	6.9	138.4	182.5	114.7	7027	10.2	0.0	0.0	0.0	7084	4.9	0.0	0.0	0.0
6971	7.1	9.4	159.5	96.1	7028	10.3	0.0	0.0	0.0	7085	5.5	0.0	0.0	0.0
6972	7.7	548.7	167.1	127.9	7029	10.3	0.0	0.0	0.0	7086	6.4	0.0	0.0	0.0
6973	8.4	49.5	227.2	145.2	7030	10.4	0.0	0.0	0.0	7087	7.4	0.0	0.0	0.0
6974	8.6	209.1	218.0	219.1	7031	10.5	0.0	0.0	0.0	7088	8.6	230.8	44.3	28.6
6975	8.8	124.4	182.4	188.5	7032	10.7	0.0	0.0	0.0	7089	10.3	85.6	112.6	69.5
6976	8.9	2.8	54.8	35.1	7033	10.8	0.0	0.0	0.0	7090	12.7	159.0	170.4	107.8
6977	8.3	4.9	32.7	24.2	7034	10.9	0.0	0.0	0.0	7091	15.0	383.2	179.4	124.2
6978	7.9	0.0	0.0	0.0	7035	11.0	0.0	0.0	0.0	7092	17.2	506.1	169.3	125.7
6979	7.6	0.0	0.0	0.0	7036	10.9	0.0	0.0	0.0	7093	18.1	410.4	191.0	186.5
6980	7.5	0.0	0.0	0.0	7037	10.4	0.0	0.0	0.0	7094	17.5	644.3	124.2	343.3
6981	7.5	0.0	0.0	0.0	7038	9.9	0.0	0.0	0.0	7095	17.5	214.4	167.0	235.2
6982	7.6	0.0	0.0	0.0	7039	9.9	0.0	0.0	0.0	7096	16.9	113.4	114.2	159.0
6983	7.9	0.0	0.0	0.0	7040	9.9	11.5	37.7	22.7	7097	14.7	63.4	43.9	84.1
6984	8.2	0.0	0.0	0.0	7041	10.1	395.6	100.2	69.6	7098	12.6	0.0	0.0	0.0
6985	8.4	0.0	0.0	0.0	7042	11.7	156.7	175.1	110.7	7099	11.1	0.0	0.0	0.0
6986	8.6	0.0	0.0	0.0	7043	13.9	163.1	214.6	136.0	7100	9.9	0.0	0.0	0.0
6987	8.5	0.0	0.0	0.0	7044	15.7	9.7	170.2	102.6	7101	8.6	0.0	0.0	0.0
6988	8.4	0.0	0.0	0.0	7045	16.3	113.4	235.0	161.0	7102	7.6	0.0	0.0	0.0

7103	6.7	0.0	0.0	0.0	7160	11.6	6.0	24.5	14.7	7217	3.8	4.6	19.1	15.6
7104	5.8	0.0	0.0	0.0	7161	11.5	42.1	98.8	60.2	7218	3.5	0.0	0.0	0.0
7105	4.9	0.0	0.0	0.0	7162	11.6	9.0	116.3	70.1	7219	3.3	0.0	0.0	0.0
7106	4.0	0.0	0.0	0.0	7163	11.8	4.6	111.9	67.3	7220	3.2	0.0	0.0	0.0
7107	3.2	0.0	0.0	0.0	7164	11.9	5.8	138.9	83.6	7221	3.1	0.0	0.0	0.0
7108	2.8	0.0	0.0	0.0	7165	11.7	4.9	128.2	77.8	7222	3.1	0.0	0.0	0.0
7109	3.1	0.0	0.0	0.0	7166	11.5	16.4	162.4	104.2	7223	3.3	0.0	0.0	0.0
7110	2.1	0.0	0.0	0.0	7167	11.5	0.7	35.9	22.0	7224	3.5	0.0	0.0	0.0
7111	1.5	0.0	0.0	0.0	7168	11.2	0.6	22.1	13.7	7225	3.8	0.0	0.0	0.0
7112	3.2	1.5	13.8	8.3	7169	10.8	3.6	19.2	14.8	7226	4.1	0.0	0.0	0.0
7113	4.7	43.9	103.5	63.1	7170	10.3	0.0	0.0	0.0	7227	4.3	0.0	0.0	0.0
7114	5.6	27.4	145.8	88.4	7171	9.9	0.0	0.0	0.0	7228	4.5	0.0	0.0	0.0
7115	7.1	8.6	146.2	88.1	7172	9.7	0.0	0.0	0.0	7229	3.8	0.0	0.0	0.0
7116	9.1	0.9	55.1	33.1	7173	9.4	0.0	0.0	0.0	7230	3.8	0.0	0.0	0.0
7117	9.7	3.3	106.8	64.6	7174	9.3	0.0	0.0	0.0	7231	4.9	0.0	0.0	0.0
7118	10.0	5.0	120.0	74.1	7175	9.2	0.0	0.0	0.0	7232	6.3	0.4	5.5	3.3
7119	10.5	3.8	84.8	53.2	7176	9.0	0.0	0.0	0.0	7233	8.1	1.9	35.7	21.5
7120	9.9	69.4	108.5	120.4	7177	8.8	0.0	0.0	0.0	7234	9.7	1.2	44.1	26.5
7121	8.6	16.1	34.6	35.4	7178	8.6	0.0	0.0	0.0	7235	11.0	111.0	195.7	121.9
7122	7.7	0.0	0.0	0.0	7179	8.4	0.0	0.0	0.0	7236	11.6	5.5	130.8	78.7
7123	7.0	0.0	0.0	0.0	7180	8.1	0.0	0.0	0.0	7237	11.7	532.9	153.4	183.2
7124	6.4	0.0	0.0	0.0	7181	8.1	0.0	0.0	0.0	7238	11.0	84.3	192.8	150.4
7125	5.8	0.0	0.0	0.0	7182	8.2	0.0	0.0	0.0	7239	11.3	640.5	93.5	454.4
7126	5.4	0.0	0.0	0.0	7183	7.5	0.0	0.0	0.0	7240	11.4	73.8	98.2	117.1
7127	5.1	0.0	0.0	0.0	7184	7.0	3.0	16.4	9.9	7241	10.7	7.1	21.7	19.4
7128	4.8	0.0	0.0	0.0	7185	7.0	0.7	22.1	13.3	7242	9.9	0.0	0.0	0.0
7129	4.6	0.0	0.0	0.0	7186	7.4	0.7	35.9	21.5	7243	9.0	0.0	0.0	0.0
7130	4.5	0.0	0.0	0.0	7187	8.4	14.7	157.6	95.2	7244	8.4	0.0	0.0	0.0
7131	4.6	0.0	0.0	0.0	7188	8.9	34.3	197.9	120.3	7245	7.8	0.0	0.0	0.0
7132	4.9	0.0	0.0	0.0	7189	8.7	105.2	220.2	150.3	7246	7.3	0.0	0.0	0.0
7133	5.1	0.0	0.0	0.0	7190	8.6	0.8	46.9	28.5	7247	6.7	0.0	0.0	0.0
7134	5.6	0.0	0.0	0.0	7191	9.0	0.7	35.9	22.0	7248	6.1	0.0	0.0	0.0
7135	7.3	0.0	0.0	0.0	7192	8.8	1.5	33.0	21.0	7249	5.6	0.0	0.0	0.0
7136	9.5	20.9	34.3	20.7	7193	7.8	36.9	33.2	53.3	7250	5.0	0.0	0.0	0.0
7137	10.4	683.5	60.6	51.4	7194	6.7	0.0	0.0	0.0	7251	4.4	0.0	0.0	0.0
7138	10.1	539.9	116.0	88.0	7195	6.1	0.0	0.0	0.0	7252	4.0	0.0	0.0	0.0
7139	11.4	487.2	154.8	113.5	7196	5.5	0.0	0.0	0.0	7253	3.9	0.0	0.0	0.0
7140	13.3	2.8	98.6	59.3	7197	5.0	0.0	0.0	0.0	7254	3.8	0.0	0.0	0.0
7141	13.6	104.8	224.9	153.1	7198	4.6	0.0	0.0	0.0	7255	4.1	0.0	0.0	0.0
7142	13.6	197.9	202.8	203.9	7199	4.5	0.0	0.0	0.0	7256	4.6	90.3	30.3	18.6
7143	13.9	57.3	157.7	130.5	7200	4.4	0.0	0.0	0.0	7257	5.3	17.4	79.7	48.2
7144	14.0	29.1	96.0	80.7	7201	4.4	0.0	0.0	0.0	7258	7.0	15.7	122.7	74.1
7145	13.2	20.9	34.3	39.5	7202	4.5	0.0	0.0	0.0	7259	7.9	20.6	161.0	97.4
7146	12.2	0.0	0.0	0.0	7203	4.7	0.0	0.0	0.0	7260	8.9	358.1	188.0	128.6
7147	11.6	0.0	0.0	0.0	7204	5.3	0.0	0.0	0.0	7261	10.1	551.3	147.8	182.6
7148	11.3	0.0	0.0	0.0	7205	4.3	0.0	0.0	0.0	7262	10.6	157.6	193.8	180.9
7149	11.1	0.0	0.0	0.0	7206	3.6	0.0	0.0	0.0	7263	10.7	452.5	121.9	353.9
7150	10.9	0.0	0.0	0.0	7207	4.0	0.0	0.0	0.0	7264	10.0	28.1	85.8	73.6
7151	10.8	0.0	0.0	0.0	7208	3.8	0.4	5.5	3.3	7265	9.3	8.8	21.7	20.9
7152	10.7	0.0	0.0	0.0	7209	3.7	114.2	102.9	64.1	7266	8.8	0.0	0.0	0.0
7153	10.6	0.0	0.0	0.0	7210	4.5	1.0	41.3	24.8	7267	8.7	0.0	0.0	0.0
7154	10.4	0.0	0.0	0.0	7211	5.4	6.8	130.5	78.6	7268	8.8	0.0	0.0	0.0
7155	10.1	0.0	0.0	0.0	7212	5.7	86.4	215.6	133.2	7269	9.0	0.0	0.0	0.0
7156	9.5	0.0	0.0	0.0	7213	5.7	43.8	202.0	128.7	7270	9.4	0.0	0.0	0.0
7157	8.4	0.0	0.0	0.0	7214	5.0	7.2	133.1	82.8	7271	9.9	0.0	0.0	0.0
7158	8.1	0.0	0.0	0.0	7215	4.3	11.2	118.5	78.0	7272	10.4	0.0	0.0	0.0
7159	10.1	0.0	0.0	0.0	7216	4.0	19.3	84.7	66.1	7273	10.9	0.0	0.0	0.0

7274	11.4	0.0	0.0	0.0	7331	12.0	838.9	77.3	78.6	7388	8.8	0.0	0.0	0.0
7275	11.7	0.0	0.0	0.0	7332	14.3	0.8	46.9	28.2	7389	8.8	0.0	0.0	0.0
7276	11.6	0.0	0.0	0.0	7333	14.9	414.3	171.5	172.7	7390	8.9	0.0	0.0	0.0
7277	11.0	0.0	0.0	0.0	7334	14.1	78.3	183.0	141.7	7391	9.0	0.0	0.0	0.0
7278	10.9	0.0	0.0	0.0	7335	12.8	0.6	30.4	18.6	7392	9.1	0.0	0.0	0.0
7279	11.3	0.0	0.0	0.0	7336	12.3	621.6	57.0	520.6	7393	9.1	0.0	0.0	0.0
7280	11.3	1.2	8.3	5.0	7337	12.1	11.4	18.8	21.5	7394	9.1	0.0	0.0	0.0
7281	11.5	81.1	94.6	58.3	7338	11.1	0.0	0.0	0.0	7395	9.1	0.0	0.0	0.0
7282	11.2	0.6	30.4	18.2	7339	10.4	0.0	0.0	0.0	7396	8.9	0.0	0.0	0.0
7283	11.3	713.4	100.4	88.3	7340	10.1	0.0	0.0	0.0	7397	8.4	0.0	0.0	0.0
7284	12.5	2.0	76.9	46.2	7341	10.0	0.0	0.0	0.0	7398	7.5	0.0	0.0	0.0
7285	14.0	594.4	136.8	183.0	7342	9.9	0.0	0.0	0.0	7399	6.2	0.0	0.0	0.0
7286	14.4	40.7	175.2	121.8	7343	10.0	0.0	0.0	0.0	7400	5.6	1.1	5.5	3.3
7287	14.5	443.0	121.6	347.2	7344	10.1	0.0	0.0	0.0	7401	6.3	2.6	35.7	21.4
7288	14.6	81.1	94.6	120.5	7345	10.5	0.0	0.0	0.0	7402	6.6	0.7	30.4	18.2
7289	13.8	7.0	19.0	17.7	7346	11.2	0.0	0.0	0.0	7403	6.8	0.8	41.4	24.9
7290	13.0	0.0	0.0	0.0	7347	12.3	0.0	0.0	0.0	7404	7.2	12.6	153.0	92.3
7291	12.4	0.0	0.0	0.0	7348	13.4	0.0	0.0	0.0	7405	7.7	4.2	106.5	64.6
7292	11.9	0.0	0.0	0.0	7349	12.2	0.0	0.0	0.0	7406	8.1	0.7	38.6	23.5
7293	11.4	0.0	0.0	0.0	7350	10.3	0.0	0.0	0.0	7407	8.2	0.7	30.4	18.6
7294	11.1	0.0	0.0	0.0	7351	9.6	0.0	0.0	0.0	7408	8.1	0.6	16.6	10.4
7295	10.9	0.0	0.0	0.0	7352	8.2	0.8	5.5	3.3	7409	7.8	2.4	8.2	7.1
7296	10.7	0.0	0.0	0.0	7353	7.0	7.0	59.8	36.0	7410	7.5	0.0	0.0	0.0
7297	10.6	0.0	0.0	0.0	7354	6.4	3.3	68.4	41.2	7411	7.3	0.0	0.0	0.0
7298	10.6	0.0	0.0	0.0	7355	6.4	1.9	65.9	39.6	7412	7.2	0.0	0.0	0.0
7299	10.7	0.0	0.0	0.0	7356	6.8	0.8	46.9	28.2	7413	7.1	0.0	0.0	0.0
7300	10.8	0.0	0.0	0.0	7357	7.2	76.4	200.3	133.0	7414	7.0	0.0	0.0	0.0
7301	10.6	0.0	0.0	0.0	7358	7.5	9.3	132.5	83.3	7415	7.0	0.0	0.0	0.0
7302	11.6	0.0	0.0	0.0	7359	7.7	1.4	44.0	27.2	7416	7.0	0.0	0.0	0.0
7303	13.5	0.0	0.0	0.0	7360	7.6	1.4	27.5	17.6	7417	7.0	0.0	0.0	0.0
7304	14.2	8.7	19.0	11.4	7361	7.4	1.8	8.2	6.6	7418	6.9	0.0	0.0	0.0
7305	13.7	13.1	72.4	43.7	7362	7.2	0.0	0.0	0.0	7419	6.8	0.0	0.0	0.0
7306	13.3	80.0	146.9	90.6	7363	7.0	0.0	0.0	0.0	7420	6.6	0.0	0.0	0.0
7307	14.2	208.6	186.1	119.8	7364	7.0	0.0	0.0	0.0	7421	6.3	0.0	0.0	0.0
7308	15.0	160.4	209.6	132.7	7365	6.9	0.0	0.0	0.0	7422	5.4	0.0	0.0	0.0
7309	15.3	265.3	199.3	164.4	7366	6.9	0.0	0.0	0.0	7423	4.0	0.0	0.0	0.0
7310	15.2	182.8	188.1	187.4	7367	7.0	0.0	0.0	0.0	7424	2.5	1.3	5.5	3.3
7311	14.9	284.7	140.5	260.2	7368	7.0	0.0	0.0	0.0	7425	2.1	4.6	46.4	27.9
7312	14.5	62.2	90.4	103.0	7369	7.0	0.0	0.0	0.0	7426	3.5	1.1	38.6	23.2
7313	13.6	8.7	19.0	19.1	7370	7.0	0.0	0.0	0.0	7427	4.3	3.6	87.5	52.7
7314	12.5	0.0	0.0	0.0	7371	7.0	0.0	0.0	0.0	7428	4.3	5.0	114.6	68.9
7315	11.5	0.0	0.0	0.0	7372	6.9	0.0	0.0	0.0	7429	4.5	7.7	135.7	82.7
7316	11.1	0.0	0.0	0.0	7373	6.7	0.0	0.0	0.0	7430	4.6	0.7	38.6	23.5
7317	10.6	0.0	0.0	0.0	7374	6.1	0.0	0.0	0.0	7431	4.7	0.7	30.4	18.6
7318	10.2	0.0	0.0	0.0	7375	5.6	0.0	0.0	0.0	7432	4.6	0.6	16.6	10.4
7319	9.8	0.0	0.0	0.0	7376	5.6	0.9	5.5	3.3	7433	4.4	2.8	8.2	7.4
7320	9.4	0.0	0.0	0.0	7377	6.0	3.7	43.8	26.3	7434	4.2	0.0	0.0	0.0
7321	9.0	0.0	0.0	0.0	7378	6.7	4.9	81.9	49.3	7435	3.9	0.0	0.0	0.0
7322	8.4	0.0	0.0	0.0	7379	7.9	0.8	41.4	24.9	7436	3.7	0.0	0.0	0.0
7323	7.9	0.0	0.0	0.0	7380	9.0	4.1	106.6	64.1	7437	3.5	0.0	0.0	0.0
7324	7.9	0.0	0.0	0.0	7381	9.4	4.4	109.3	66.3	7438	3.3	0.0	0.0	0.0
7325	8.6	0.0	0.0	0.0	7382	9.4	2.8	79.5	48.8	7439	3.3	0.0	0.0	0.0
7326	8.7	0.0	0.0	0.0	7383	9.5	7.6	97.7	63.3	7440	3.2	0.0	0.0	0.0
7327	8.0	0.0	0.0	0.0	7384	9.4	0.5	16.6	10.3	7441	3.1	0.0	0.0	0.0
7328	8.4	0.7	5.5	3.3	7385	9.2	2.1	8.2	6.8	7442	3.0	0.0	0.0	0.0
7329	10.0	263.2	87.7	57.5	7386	9.0	0.0	0.0	0.0	7443	2.9	0.0	0.0	0.0
7330	10.8	0.6	30.4	18.2	7387	8.8	0.0	0.0	0.0	7444	2.9	0.0	0.0	0.0

7445	1.9	0.0	0.0	0.0	7502	2.3	0.6	33.1	20.1	7559	4.5	0.0	0.0	0.0
7446	1.2	0.0	0.0	0.0	7503	2.5	4.6	73.7	47.0	7560	4.4	0.0	0.0	0.0
7447	1.7	0.0	0.0	0.0	7504	2.6	0.3	11.1	6.9	7561	4.3	0.0	0.0	0.0
7448	2.2	31.8	15.5	9.4	7505	2.5	0.5	2.8	2.1	7562	4.2	0.0	0.0	0.0
7449	2.7	5.4	49.1	29.5	7506	2.3	0.0	0.0	0.0	7563	4.2	0.0	0.0	0.0
7450	3.6	2.4	54.9	33.0	7507	2.2	0.0	0.0	0.0	7564	4.3	0.0	0.0	0.0
7451	5.0	39.3	160.4	97.7	7508	2.1	0.0	0.0	0.0	7565	4.8	0.0	0.0	0.0
7452	5.9	257.7	187.9	123.1	7509	2.1	0.0	0.0	0.0	7566	4.9	0.0	0.0	0.0
7453	5.9	54.4	185.8	120.5	7510	2.0	0.0	0.0	0.0	7567	5.4	0.0	0.0	0.0
7454	5.7	138.0	176.6	161.4	7511	2.0	0.0	0.0	0.0	7568	5.1	0.0	0.0	0.0
7455	5.7	2.4	54.9	34.4	7512	2.1	0.0	0.0	0.0	7569	3.5	3.7	35.6	21.4
7456	5.6	31.5	72.4	67.8	7513	2.1	0.0	0.0	0.0	7570	3.6	4.7	71.0	42.7
7457	5.1	5.9	10.9	11.7	7514	2.1	0.0	0.0	0.0	7571	4.2	0.8	38.6	23.2
7458	4.5	0.0	0.0	0.0	7515	2.2	0.0	0.0	0.0	7572	4.7	0.6	38.6	23.2
7459	4.1	0.0	0.0	0.0	7516	2.3	0.0	0.0	0.0	7573	4.9	0.6	38.6	23.3
7460	3.9	0.0	0.0	0.0	7517	3.1	0.0	0.0	0.0	7574	4.8	1.2	46.8	28.6
7461	3.7	0.0	0.0	0.0	7518	3.9	0.0	0.0	0.0	7575	4.7	2.8	54.8	34.6
7462	3.6	0.0	0.0	0.0	7519	3.6	0.0	0.0	0.0	7576	4.6	14.1	56.2	44.5
7463	3.5	0.0	0.0	0.0	7520	3.5	0.0	0.0	0.0	7577	4.2	0.0	0.0	0.0
7464	3.5	0.0	0.0	0.0	7521	3.7	13.8	58.9	35.6	7578	3.9	0.0	0.0	0.0
7465	3.4	0.0	0.0	0.0	7522	4.1	1.1	35.8	21.5	7579	3.6	0.0	0.0	0.0
7466	3.2	0.0	0.0	0.0	7523	4.8	3.7	84.8	51.0	7580	3.4	0.0	0.0	0.0
7467	2.9	0.0	0.0	0.0	7524	5.6	3.0	84.9	51.1	7581	3.2	0.0	0.0	0.0
7468	2.6	0.0	0.0	0.0	7525	6.2	55.9	180.4	117.4	7582	3.0	0.0	0.0	0.0
7469	2.4	0.0	0.0	0.0	7526	6.3	0.6	33.1	20.1	7583	2.8	0.0	0.0	0.0
7470	1.1	0.0	0.0	0.0	7527	6.2	0.5	24.9	15.2	7584	2.7	0.0	0.0	0.0
7471	-0.1	0.0	0.0	0.0	7528	6.1	0.3	11.1	6.9	7585	2.5	0.0	0.0	0.0
7472	0.4	98.1	16.1	9.8	7529	5.7	0.0	0.0	0.0	7586	2.2	0.0	0.0	0.0
7473	0.6	0.3	11.1	6.6	7530	5.4	0.0	0.0	0.0	7587	2.1	0.0	0.0	0.0
7474	1.0	5.5	81.8	49.2	7531	5.2	0.0	0.0	0.0	7588	1.8	0.0	0.0	0.0
7475	1.9	1.6	57.7	34.7	7532	5.0	0.0	0.0	0.0	7589	2.8	0.0	0.0	0.0
7476	2.8	9.0	138.0	83.2	7533	4.8	0.0	0.0	0.0	7590	3.0	0.0	0.0	0.0
7477	2.6	1.2	55.1	33.2	7534	4.7	0.0	0.0	0.0	7591	2.5	0.0	0.0	0.0
7478	1.6	97.1	172.8	142.6	7535	4.6	0.0	0.0	0.0	7592	3.0	0.0	0.0	0.0
7479	1.6	0.5	24.9	15.2	7536	4.5	0.0	0.0	0.0	7593	3.2	31.1	62.1	37.7
7480	1.5	0.3	11.1	6.9	7537	4.3	0.0	0.0	0.0	7594	3.3	2.1	46.7	28.1
7481	1.2	7.2	10.9	12.9	7538	4.1	0.0	0.0	0.0	7595	2.7	0.6	33.1	19.9
7482	0.8	0.0	0.0	0.0	7539	3.9	0.0	0.0	0.0	7596	1.9	4.3	98.3	59.2
7483	0.5	0.0	0.0	0.0	7540	3.6	0.0	0.0	0.0	7597	1.7	3.4	87.6	53.1
7484	0.2	0.0	0.0	0.0	7541	4.4	0.0	0.0	0.0	7598	1.5	0.6	33.1	20.1
7485	0.1	0.0	0.0	0.0	7542	7.2	0.0	0.0	0.0	7599	1.3	2.1	46.7	29.3
7486	-0.1	0.0	0.0	0.0	7543	8.0	0.0	0.0	0.0	7600	1.0	0.4	11.1	6.9
7487	-0.1	0.0	0.0	0.0	7544	6.7	0.0	0.0	0.0	7601	0.6	0.0	0.0	0.0
7488	-0.1	0.0	0.0	0.0	7545	5.8	130.2	74.2	46.4	7602	0.2	0.0	0.0	0.0
7489	-0.1	0.0	0.0	0.0	7546	5.6	248.4	124.3	81.1	7603	-0.3	0.0	0.0	0.0
7490	0.1	0.0	0.0	0.0	7547	6.7	107.7	167.5	104.2	7604	-0.8	0.0	0.0	0.0
7491	0.2	0.0	0.0	0.0	7548	7.6	477.4	144.5	105.2	7605	-1.3	0.0	0.0	0.0
7492	0.6	0.0	0.0	0.0	7549	7.3	853.5	76.4	184.7	7606	-1.7	0.0	0.0	0.0
7493	0.6	0.0	0.0	0.0	7550	7.5	335.2	151.1	224.1	7607	-2.0	0.0	0.0	0.0
7494	0.4	0.0	0.0	0.0	7551	8.0	194.3	127.9	194.2	7608	-2.4	0.0	0.0	0.0
7495	0.4	0.0	0.0	0.0	7552	7.5	8.3	51.5	37.3	7609	-2.8	0.0	0.0	0.0
7496	0.0	0.5	2.8	1.7	7553	6.8	0.0	0.0	0.0	7610	-3.2	0.0	0.0	0.0
7497	0.0	0.3	11.1	6.6	7554	6.2	0.0	0.0	0.0	7611	-3.4	0.0	0.0	0.0
7498	0.3	0.5	24.9	14.9	7555	5.6	0.0	0.0	0.0	7612	-3.5	0.0	0.0	0.0
7499	0.8	1.4	52.3	31.4	7556	5.2	0.0	0.0	0.0	7613	-0.6	0.0	0.0	0.0
7500	1.7	2.7	82.2	49.4	7557	4.9	0.0	0.0	0.0	7614	3.7	0.0	0.0	0.0
7501	2.1	4.9	109.1	66.3	7558	4.6	0.0	0.0	0.0	7615	4.9	0.0	0.0	0.0

7616	5.3	0.0	0.0	0.0	7673	8.1	0.0	0.0	0.0	7730	2.6	0.0	0.0	0.0
7617	6.1	3.5	32.8	19.8	7674	7.9	0.0	0.0	0.0	7731	2.4	0.0	0.0	0.0
7618	6.1	8.6	86.7	52.2	7675	7.9	0.0	0.0	0.0	7732	2.9	0.0	0.0	0.0
7619	6.3	3.9	82.0	49.3	7676	8.0	0.0	0.0	0.0	7733	3.0	0.0	0.0	0.0
7620	6.9	6.0	114.4	68.9	7677	8.1	0.0	0.0	0.0	7734	3.3	0.0	0.0	0.0
7621	7.1	0.7	38.6	23.3	7678	8.2	0.0	0.0	0.0	7735	4.0	0.0	0.0	0.0
7622	7.2	0.6	33.1	20.1	7679	8.4	0.0	0.0	0.0	7736	4.4	0.0	0.0	0.0
7623	7.4	1.5	38.5	24.0	7680	8.5	0.0	0.0	0.0	7737	5.2	55.5	56.9	34.8
7624	7.5	0.4	11.1	6.9	7681	8.5	0.0	0.0	0.0	7738	6.1	295.8	106.7	71.0
7625	7.4	0.0	0.0	0.0	7682	8.5	0.0	0.0	0.0	7739	6.7	6.8	100.6	60.6
7626	7.4	0.0	0.0	0.0	7683	8.5	0.0	0.0	0.0	7740	7.4	8.0	119.3	71.9
7627	7.4	0.0	0.0	0.0	7684	8.2	0.0	0.0	0.0	7741	8.2	67.2	167.3	111.0
7628	7.5	0.0	0.0	0.0	7685	6.7	0.0	0.0	0.0	7742	8.8	90.7	151.4	126.3
7629	7.7	0.0	0.0	0.0	7686	5.9	0.0	0.0	0.0	7743	8.7	0.4	19.3	11.9
7630	7.9	0.0	0.0	0.0	7687	6.1	0.0	0.0	0.0	7744	8.5	5.3	35.5	25.3
7631	8.1	0.0	0.0	0.0	7688	5.6	0.0	0.0	0.0	7745	8.8	0.0	0.0	0.0
7632	8.3	0.0	0.0	0.0	7689	5.2	0.3	8.3	5.0	7746	9.1	0.0	0.0	0.0
7633	8.5	0.0	0.0	0.0	7690	5.4	2.1	43.9	26.4	7747	9.5	0.0	0.0	0.0
7634	8.6	0.0	0.0	0.0	7691	5.9	3.9	79.3	47.7	7748	10.2	0.0	0.0	0.0
7635	8.7	0.0	0.0	0.0	7692	6.4	7.0	116.9	70.4	7749	10.9	0.0	0.0	0.0
7636	8.6	0.0	0.0	0.0	7693	6.8	4.2	92.9	56.4	7750	11.6	0.0	0.0	0.0
7637	7.7	0.0	0.0	0.0	7694	6.9	2.2	60.4	37.1	7751	12.2	0.0	0.0	0.0
7638	7.3	0.0	0.0	0.0	7695	6.9	0.7	24.8	15.3	7752	12.8	0.0	0.0	0.0
7639	7.5	0.0	0.0	0.0	7696	6.9	1.0	16.5	10.7	7753	13.2	0.0	0.0	0.0
7640	7.7	0.0	0.0	0.0	7697	6.8	0.0	0.0	0.0	7754	13.5	0.0	0.0	0.0
7641	8.2	5.7	40.9	24.6	7698	6.6	0.0	0.0	0.0	7755	13.3	0.0	0.0	0.0
7642	8.4	0.6	24.8	14.9	7699	6.6	0.0	0.0	0.0	7756	11.9	0.0	0.0	0.0
7643	8.6	10.8	118.6	71.5	7700	6.7	0.0	0.0	0.0	7757	9.1	0.0	0.0	0.0
7644	9.0	1.3	52.3	31.4	7701	6.8	0.0	0.0	0.0	7758	9.9	0.0	0.0	0.0
7645	8.6	2.7	76.8	46.5	7702	6.9	0.0	0.0	0.0	7759	11.8	0.0	0.0	0.0
7646	8.0	207.6	157.9	176.7	7703	7.0	0.0	0.0	0.0	7760	10.5	0.0	0.0	0.0
7647	8.0	0.6	24.8	15.3	7704	7.0	0.0	0.0	0.0	7761	9.7	14.1	45.5	27.5
7648	7.8	0.4	11.1	6.9	7705	7.0	0.0	0.0	0.0	7762	9.9	682.8	63.4	53.8
7649	7.4	0.0	0.0	0.0	7706	6.9	0.0	0.0	0.0	7763	9.5	301.2	140.5	93.7
7650	7.0	0.0	0.0	0.0	7707	6.8	0.0	0.0	0.0	7764	8.9	1.4	52.3	31.4
7651	6.7	0.0	0.0	0.0	7708	6.5	0.0	0.0	0.0	7765	8.5	22.8	144.6	90.4
7652	6.5	0.0	0.0	0.0	7709	6.1	0.0	0.0	0.0	7766	7.5	82.5	148.8	121.5
7653	6.2	0.0	0.0	0.0	7710	5.6	0.0	0.0	0.0	7767	6.5	0.4	19.3	11.9
7654	6.0	0.0	0.0	0.0	7711	5.1	0.0	0.0	0.0	7768	5.4	4.8	32.8	23.2
7655	5.7	0.0	0.0	0.0	7712	4.8	0.0	0.0	0.0	7769	4.3	0.0	0.0	0.0
7656	5.4	0.0	0.0	0.0	7713	4.8	3.6	30.1	18.1	7770	3.6	0.0	0.0	0.0
7657	5.2	0.0	0.0	0.0	7714	6.2	0.4	19.3	11.6	7771	2.9	0.0	0.0	0.0
7658	5.1	0.0	0.0	0.0	7715	7.6	129.2	155.3	97.3	7772	2.4	0.0	0.0	0.0
7659	5.0	0.0	0.0	0.0	7716	7.3	2.3	68.6	41.2	7773	1.8	0.0	0.0	0.0
7660	5.4	0.0	0.0	0.0	7717	7.4	5.0	100.9	61.4	7774	1.3	0.0	0.0	0.0
7661	6.1	0.0	0.0	0.0	7718	7.7	9.3	110.9	70.2	7775	0.9	0.0	0.0	0.0
7662	5.7	0.0	0.0	0.0	7719	7.1	3.3	54.7	34.8	7776	0.4	0.0	0.0	0.0
7663	4.9	0.0	0.0	0.0	7720	6.3	11.0	45.8	35.9	7777	-0.1	0.0	0.0	0.0
7664	4.5	0.0	0.0	0.0	7721	5.6	0.0	0.0	0.0	7778	-0.4	0.0	0.0	0.0
7665	5.0	0.4	11.1	6.6	7722	5.1	0.0	0.0	0.0	7779	-0.7	0.0	0.0	0.0
7666	6.4	6.9	78.8	47.5	7723	4.6	0.0	0.0	0.0	7780	0.0	0.0	0.0	0.0
7667	7.4	83.0	155.7	96.1	7724	4.2	0.0	0.0	0.0	7781	1.8	0.0	0.0	0.0
7668	8.0	4.8	101.0	60.8	7725	3.8	0.0	0.0	0.0	7782	2.5	0.0	0.0	0.0
7669	8.1	39.9	162.9	104.1	7726	3.5	0.0	0.0	0.0	7783	2.7	0.0	0.0	0.0
7670	8.2	1.2	44.1	26.9	7727	3.3	0.0	0.0	0.0	7784	4.6	0.0	0.0	0.0
7671	8.3	6.9	78.8	51.4	7728	3.0	0.0	0.0	0.0	7785	7.1	46.1	52.8	32.2
7672	8.2	2.2	24.7	16.5	7729	2.8	0.0	0.0	0.0	7786	9.5	117.8	111.4	69.5

7787	10.7	373.0	130.2	89.6	7844	-1.5	0.0	0.0	0.0	7901	4.3	0.0	0.0	0.0
7788	11.5	262.9	162.1	106.5	7845	-2.4	0.0	0.0	0.0	7902	3.9	0.0	0.0	0.0
7789	11.3	474.5	131.3	153.4	7846	-3.2	0.0	0.0	0.0	7903	3.4	0.0	0.0	0.0
7790	9.8	149.7	150.2	148.5	7847	-3.8	0.0	0.0	0.0	7904	2.9	0.0	0.0	0.0
7791	9.2	753.5	54.8	480.0	7848	-4.2	0.0	0.0	0.0	7905	2.8	16.6	39.9	24.1
7792	8.8	127.4	57.0	130.4	7849	-4.6	0.0	0.0	0.0	7906	3.3	18.5	84.9	51.3
7793	8.1	0.0	0.0	0.0	7850	-4.7	0.0	0.0	0.0	7907	4.3	0.7	30.4	18.2
7794	6.8	0.0	0.0	0.0	7851	-4.4	0.0	0.0	0.0	7908	5.0	6.3	103.4	62.3
7795	5.5	0.0	0.0	0.0	7852	-3.4	0.0	0.0	0.0	7909	5.6	2.1	60.4	36.6
7796	4.5	0.0	0.0	0.0	7853	-1.7	0.0	0.0	0.0	7910	5.6	32.6	126.4	88.4
7797	3.4	0.0	0.0	0.0	7854	0.3	0.0	0.0	0.0	7911	5.6	0.5	19.3	11.9
7798	2.4	0.0	0.0	0.0	7855	1.2	0.0	0.0	0.0	7912	5.7	6.8	32.6	24.6
7799	1.6	0.0	0.0	0.0	7856	0.7	0.0	0.0	0.0	7913	5.7	0.0	0.0	0.0
7800	0.8	0.0	0.0	0.0	7857	-0.7	1.5	16.5	9.9	7914	5.4	0.0	0.0	0.0
7801	0.1	0.0	0.0	0.0	7858	-0.1	596.5	69.5	54.8	7915	5.3	0.0	0.0	0.0
7802	-0.6	0.0	0.0	0.0	7859	1.9	385.6	124.5	86.3	7916	5.2	0.0	0.0	0.0
7803	-1.1	0.0	0.0	0.0	7860	2.5	27.6	143.3	86.9	7917	5.1	0.0	0.0	0.0
7804	-1.2	0.0	0.0	0.0	7861	2.7	36.1	148.7	94.8	7918	5.1	0.0	0.0	0.0
7805	0.5	0.0	0.0	0.0	7862	2.7	7.4	97.8	61.5	7919	5.3	0.0	0.0	0.0
7806	2.0	0.0	0.0	0.0	7863	2.9	107.5	106.5	127.4	7920	5.4	0.0	0.0	0.0
7807	1.7	0.0	0.0	0.0	7864	3.0	9.6	37.8	29.9	7921	5.6	0.0	0.0	0.0
7808	3.4	0.0	0.0	0.0	7865	2.7	0.0	0.0	0.0	7922	5.8	0.0	0.0	0.0
7809	5.7	13.6	42.9	25.9	7866	2.2	0.0	0.0	0.0	7923	6.0	0.0	0.0	0.0
7810	7.6	308.9	101.2	67.7	7867	1.9	0.0	0.0	0.0	7924	6.4	0.0	0.0	0.0
7811	10.3	608.0	94.6	75.3	7868	1.7	0.0	0.0	0.0	7925	5.6	0.0	0.0	0.0
7812	12.2	566.3	114.5	88.4	7869	1.5	0.0	0.0	0.0	7926	3.3	0.0	0.0	0.0
7813	12.3	416.7	139.4	149.0	7870	1.4	0.0	0.0	0.0	7927	2.3	0.0	0.0	0.0
7814	11.8	677.8	84.1	314.0	7871	1.3	0.0	0.0	0.0	7928	2.5	0.0	0.0	0.0
7815	11.7	328.3	99.5	254.2	7872	1.3	0.0	0.0	0.0	7929	2.4	180.4	48.4	30.8
7816	11.1	143.5	55.6	141.5	7873	1.3	0.0	0.0	0.0	7930	2.8	2.4	41.2	24.7
7817	10.2	0.0	0.0	0.0	7874	1.2	0.0	0.0	0.0	7931	3.8	591.1	92.6	72.7
7818	9.3	0.0	0.0	0.0	7875	1.0	0.0	0.0	0.0	7932	4.5	1.0	41.3	24.8
7819	8.5	0.0	0.0	0.0	7876	0.9	0.0	0.0	0.0	7933	4.5	89.6	158.8	109.1
7820	7.9	0.0	0.0	0.0	7877	0.7	0.0	0.0	0.0	7934	3.9	19.9	116.4	77.5
7821	7.4	0.0	0.0	0.0	7878	-0.8	0.0	0.0	0.0	7935	3.3	4.7	57.3	37.2
7822	7.0	0.0	0.0	0.0	7879	-2.0	0.0	0.0	0.0	7936	3.0	3.1	21.9	15.4
7823	6.9	0.0	0.0	0.0	7880	-2.1	0.0	0.0	0.0	7937	2.6	0.0	0.0	0.0
7824	6.7	0.0	0.0	0.0	7881	-1.9	3.5	24.6	14.8	7938	2.2	0.0	0.0	0.0
7825	6.5	0.0	0.0	0.0	7882	-0.8	138.0	105.7	66.4	7939	2.0	0.0	0.0	0.0
7826	6.3	0.0	0.0	0.0	7883	0.8	0.7	30.4	18.2	7940	2.0	0.0	0.0	0.0
7827	6.0	0.0	0.0	0.0	7884	2.1	0.7	35.9	21.5	7941	1.9	0.0	0.0	0.0
7828	5.3	0.0	0.0	0.0	7885	3.2	0.7	35.9	21.6	7942	1.8	0.0	0.0	0.0
7829	4.6	0.0	0.0	0.0	7886	3.2	130.5	144.1	136.9	7943	1.8	0.0	0.0	0.0
7830	3.4	0.0	0.0	0.0	7887	2.8	3.7	52.0	33.3	7944	1.7	0.0	0.0	0.0
7831	3.5	0.0	0.0	0.0	7888	2.7	5.2	30.0	21.9	7945	1.6	0.0	0.0	0.0
7832	3.9	0.0	0.0	0.0	7889	2.5	0.0	0.0	0.0	7946	1.5	0.0	0.0	0.0
7833	3.6	6.8	35.4	21.3	7890	2.3	0.0	0.0	0.0	7947	1.5	0.0	0.0	0.0
7834	3.9	2.5	43.9	26.4	7891	2.3	0.0	0.0	0.0	7948	1.3	0.0	0.0	0.0
7835	3.9	49.9	137.5	84.0	7892	2.5	0.0	0.0	0.0	7949	1.9	0.0	0.0	0.0
7836	3.7	70.4	161.6	99.4	7893	2.8	0.0	0.0	0.0	7950	2.1	0.0	0.0	0.0
7837	3.5	1.8	57.7	34.9	7894	3.1	0.0	0.0	0.0	7951	1.6	0.0	0.0	0.0
7838	3.0	6.6	95.2	59.7	7895	3.4	0.0	0.0	0.0	7952	2.4	0.0	0.0	0.0
7839	2.3	4.7	60.1	38.8	7896	3.8	0.0	0.0	0.0	7953	3.3	1.3	13.8	8.3
7840	2.0	20.8	44.9	42.6	7897	4.2	0.0	0.0	0.0	7954	3.5	6.5	65.3	39.3
7841	1.2	0.0	0.0	0.0	7898	4.5	0.0	0.0	0.0	7955	3.5	0.5	24.9	14.9
7842	0.3	0.0	0.0	0.0	7899	5.0	0.0	0.0	0.0	7956	3.8	0.5	30.4	18.2
7843	-0.7	0.0	0.0	0.0	7900	5.0	0.0	0.0	0.0	7957	4.0	0.5	30.4	18.3

7958	3.9	4.2	73.8	45.9	8015	2.4	0.0	0.0	0.0	8072	2.6	0.0	0.0	0.0
7959	4.1	0.4	16.6	10.2	8016	2.3	0.0	0.0	0.0	8073	2.2	55.4	39.6	24.2
7960	4.5	1.3	13.8	9.2	8017	2.2	0.0	0.0	0.0	8074	2.4	696.2	52.7	45.4
7961	4.9	0.0	0.0	0.0	8018	2.1	0.0	0.0	0.0	8075	2.9	100.7	133.0	82.6
7962	5.3	0.0	0.0	0.0	8019	2.1	0.0	0.0	0.0	8076	3.2	182.0	152.8	97.5
7963	5.7	0.0	0.0	0.0	8020	2.2	0.0	0.0	0.0	8077	3.2	899.8	59.1	172.8
7964	6.2	0.0	0.0	0.0	8021	3.3	0.0	0.0	0.0	8078	2.8	845.7	55.7	356.2
7965	6.8	0.0	0.0	0.0	8022	4.5	0.0	0.0	0.0	8079	2.9	145.6	95.9	142.4
7966	7.3	0.0	0.0	0.0	8023	5.1	0.0	0.0	0.0	8080	2.9	6.7	27.2	21.3
7967	7.8	0.0	0.0	0.0	8024	5.5	0.0	0.0	0.0	8081	2.0	0.0	0.0	0.0
7968	8.3	0.0	0.0	0.0	8025	5.4	231.1	42.7	27.7	8082	1.4	0.0	0.0	0.0
7969	8.8	0.0	0.0	0.0	8026	6.1	8.2	67.8	40.8	8083	1.2	0.0	0.0	0.0
7970	9.4	0.0	0.0	0.0	8027	6.9	329.1	123.3	83.2	8084	1.0	0.0	0.0	0.0
7971	10.0	0.0	0.0	0.0	8028	7.4	48.5	145.4	88.8	8085	0.9	0.0	0.0	0.0
7972	10.4	0.0	0.0	0.0	8029	7.9	412.3	129.9	141.1	8086	0.4	0.0	0.0	0.0
7973	9.0	0.0	0.0	0.0	8030	8.3	395.7	115.5	220.8	8087	0.2	0.0	0.0	0.0
7974	9.1	0.0	0.0	0.0	8031	8.5	5.2	57.3	37.4	8088	0.2	0.0	0.0	0.0
7975	10.9	0.0	0.0	0.0	8032	8.1	7.7	29.9	23.6	8089	0.2	0.0	0.0	0.0
7976	11.5	0.0	0.0	0.0	8033	6.8	0.0	0.0	0.0	8090	0.2	0.0	0.0	0.0
7977	12.5	12.2	34.9	21.1	8034	5.3	0.0	0.0	0.0	8091	0.2	0.0	0.0	0.0
7978	13.0	258.5	95.9	62.9	8035	4.9	0.0	0.0	0.0	8092	0.3	0.0	0.0	0.0
7979	12.9	15.4	109.4	66.1	8036	5.6	0.0	0.0	0.0	8093	0.2	0.0	0.0	0.0
7980	12.9	72.7	153.8	94.6	8037	5.8	0.0	0.0	0.0	8094	0.2	0.0	0.0	0.0
7981	12.9	1.6	52.2	31.6	8038	5.8	0.0	0.0	0.0	8095	0.5	0.0	0.0	0.0
7982	12.2	55.6	131.2	100.0	8039	5.9	0.0	0.0	0.0	8096	0.8	0.0	0.0	0.0
7983	12.0	40.6	91.5	78.7	8040	6.1	0.0	0.0	0.0	8097	1.1	7.1	27.2	16.4
7984	12.1	4.3	24.6	18.0	8041	6.4	0.0	0.0	0.0	8098	1.3	10.9	70.1	42.3
7985	11.4	0.0	0.0	0.0	8042	6.7	0.0	0.0	0.0	8099	1.5	8.3	92.2	55.5
7986	10.7	0.0	0.0	0.0	8043	6.9	0.0	0.0	0.0	8100	1.9	3.0	68.5	41.2
7987	10.0	0.0	0.0	0.0	8044	7.0	0.0	0.0	0.0	8101	2.0	3.8	76.6	46.5
7988	9.4	0.0	0.0	0.0	8045	6.1	0.0	0.0	0.0	8102	1.8	7.5	89.6	56.6
7989	8.7	0.0	0.0	0.0	8046	4.9	0.0	0.0	0.0	8103	1.9	1.3	27.5	17.3
7990	8.2	0.0	0.0	0.0	8047	4.5	0.0	0.0	0.0	8104	2.2	1.7	13.7	9.5
7991	7.8	0.0	0.0	0.0	8048	4.5	0.0	0.0	0.0	8105	2.3	0.0	0.0	0.0
7992	7.4	0.0	0.0	0.0	8049	4.6	17.4	34.6	20.9	8106	2.3	0.0	0.0	0.0
7993	6.9	0.0	0.0	0.0	8050	4.7	0.4	16.6	10.0	8107	2.3	0.0	0.0	0.0
7994	6.3	0.0	0.0	0.0	8051	5.0	69.1	130.6	80.3	8108	2.4	0.0	0.0	0.0
7995	5.4	0.0	0.0	0.0	8052	5.3	3.5	73.9	44.4	8109	2.6	0.0	0.0	0.0
7996	4.7	0.0	0.0	0.0	8053	5.1	5.8	95.4	58.1	8110	2.7	0.0	0.0	0.0
7997	4.7	0.0	0.0	0.0	8054	4.7	0.5	24.9	15.1	8111	2.9	0.0	0.0	0.0
7998	5.0	0.0	0.0	0.0	8055	4.4	26.7	83.5	65.7	8112	3.1	0.0	0.0	0.0
7999	5.6	0.0	0.0	0.0	8056	4.8	6.3	27.2	21.0	8113	3.3	0.0	0.0	0.0
8000	6.8	0.0	0.0	0.0	8057	5.0	0.0	0.0	0.0	8114	3.4	0.0	0.0	0.0
8001	7.5	7.1	29.9	18.0	8058	4.5	0.0	0.0	0.0	8115	3.5	0.0	0.0	0.0
8002	6.8	233.0	96.3	62.5	8059	3.7	0.0	0.0	0.0	8116	3.4	0.0	0.0	0.0
8003	6.4	8.2	94.9	57.2	8060	3.5	0.0	0.0	0.0	8117	3.5	0.0	0.0	0.0
8004	6.8	301.8	145.6	97.2	8061	3.6	0.0	0.0	0.0	8118	3.7	0.0	0.0	0.0
8005	7.1	32.6	139.3	88.6	8062	3.6	0.0	0.0	0.0	8119	3.8	0.0	0.0	0.0
8006	6.6	18.1	111.5	73.8	8063	3.6	0.0	0.0	0.0	8120	4.3	0.0	0.0	0.0
8007	6.1	9.1	70.4	47.5	8064	3.5	0.0	0.0	0.0	8121	4.6	2.6	16.5	9.9
8008	5.3	13.7	34.8	31.1	8065	3.5	0.0	0.0	0.0	8122	5.3	1.6	30.3	18.2
8009	4.4	0.0	0.0	0.0	8066	3.4	0.0	0.0	0.0	8123	6.3	1.5	41.3	24.8
8010	3.8	0.0	0.0	0.0	8067	3.2	0.0	0.0	0.0	8124	6.8	5.1	87.3	52.5
8011	3.4	0.0	0.0	0.0	8068	3.7	0.0	0.0	0.0	8125	7.1	1.3	44.1	26.6
8012	3.1	0.0	0.0	0.0	8069	3.0	0.0	0.0	0.0	8126	7.7	9.5	94.6	60.4
8013	2.8	0.0	0.0	0.0	8070	2.1	0.0	0.0	0.0	8127	8.4	1.6	30.3	19.1
8014	2.5	0.0	0.0	0.0	8071	2.6	0.0	0.0	0.0	8128	8.6	1.8	13.7	9.6

8129	8.4	0.0	0.0	0.0	8186	0.9	0.0	0.0	0.0	8243	4.7	36.7	115.2	70.1
8130	8.2	0.0	0.0	0.0	8187	0.6	0.0	0.0	0.0	8244	5.6	81.0	144.6	89.2
8131	8.1	0.0	0.0	0.0	8188	1.0	0.0	0.0	0.0	8245	5.7	49.0	137.8	90.0
8132	8.1	0.0	0.0	0.0	8189	1.0	0.0	0.0	0.0	8246	5.4	2.5	52.1	32.2
8133	8.2	0.0	0.0	0.0	8190	0.4	0.0	0.0	0.0	8247	5.5	173.9	89.7	154.5
8134	8.4	0.0	0.0	0.0	8191	0.5	0.0	0.0	0.0	8248	5.1	7.5	24.4	20.2
8135	8.6	0.0	0.0	0.0	8192	0.7	0.0	0.0	0.0	8249	4.4	0.0	0.0	0.0
8136	8.7	0.0	0.0	0.0	8193	0.9	3.9	19.1	11.5	8250	3.7	0.0	0.0	0.0
8137	8.7	0.0	0.0	0.0	8194	0.9	0.3	13.8	8.3	8251	2.9	0.0	0.0	0.0
8138	8.7	0.0	0.0	0.0	8195	1.3	6.1	81.7	49.2	8252	2.6	0.0	0.0	0.0
8139	8.6	0.0	0.0	0.0	8196	1.7	10.0	108.0	65.1	8253	2.2	0.0	0.0	0.0
8140	8.4	0.0	0.0	0.0	8197	1.7	1.7	49.5	29.9	8254	1.9	0.0	0.0	0.0
8141	8.2	0.0	0.0	0.0	8198	1.7	1.3	38.5	23.6	8255	1.7	0.0	0.0	0.0
8142	8.5	0.0	0.0	0.0	8199	2.1	2.3	35.7	22.7	8256	1.3	0.0	0.0	0.0
8143	9.0	0.0	0.0	0.0	8200	2.5	1.3	11.0	7.6	8257	1.0	0.0	0.0	0.0
8144	8.7	0.0	0.0	0.0	8201	2.5	0.0	0.0	0.0	8258	1.0	0.0	0.0	0.0
8145	8.2	0.3	5.5	3.3	8202	2.5	0.0	0.0	0.0	8259	1.0	0.0	0.0	0.0
8146	8.3	1.9	33.0	19.8	8203	2.6	0.0	0.0	0.0	8260	1.1	0.0	0.0	0.0
8147	9.0	3.2	60.2	36.2	8204	3.1	0.0	0.0	0.0	8261	1.0	0.0	0.0	0.0
8148	9.2	1.6	49.5	29.7	8205	3.7	0.0	0.0	0.0	8262	0.9	0.0	0.0	0.0
8149	8.9	7.9	103.1	63.0	8206	3.9	0.0	0.0	0.0	8263	0.9	0.0	0.0	0.0
8150	8.7	2.1	49.4	30.5	8207	4.1	0.0	0.0	0.0	8264	1.2	0.0	0.0	0.0
8151	8.6	11.9	69.9	48.9	8208	4.3	0.0	0.0	0.0	8265	1.9	2.2	13.7	8.2
8152	8.7	1.9	13.7	9.6	8209	4.4	0.0	0.0	0.0	8266	2.4	7.3	59.8	36.0
8153	8.5	0.0	0.0	0.0	8210	4.4	0.0	0.0	0.0	8267	3.3	2.0	46.7	28.1
8154	8.1	0.0	0.0	0.0	8211	4.4	0.0	0.0	0.0	8268	4.7	0.5	27.6	16.6
8155	7.9	0.0	0.0	0.0	8212	4.3	0.0	0.0	0.0	8269	4.8	4.7	81.9	49.8
8156	8.0	0.0	0.0	0.0	8213	4.1	0.0	0.0	0.0	8270	4.5	33.6	113.3	80.7
8157	8.0	0.0	0.0	0.0	8214	4.3	0.0	0.0	0.0	8271	4.4	62.6	85.6	87.6
8158	7.8	0.0	0.0	0.0	8215	4.8	0.0	0.0	0.0	8272	3.5	7.9	24.4	20.5
8159	7.7	0.0	0.0	0.0	8216	4.8	0.0	0.0	0.0	8273	2.5	0.0	0.0	0.0
8160	7.6	0.0	0.0	0.0	8217	4.4	4.1	19.1	11.5	8274	2.0	0.0	0.0	0.0
8161	7.4	0.0	0.0	0.0	8218	4.1	1.4	27.5	16.5	8275	1.7	0.0	0.0	0.0
8162	7.2	0.0	0.0	0.0	8219	4.0	3.6	62.9	37.8	8276	1.3	0.0	0.0	0.0
8163	7.0	0.0	0.0	0.0	8220	4.6	2.5	60.3	36.3	8277	1.1	0.0	0.0	0.0
8164	6.7	0.0	0.0	0.0	8221	5.4	0.5	27.6	16.7	8278	1.4	0.0	0.0	0.0
8165	5.9	0.0	0.0	0.0	8222	5.6	0.4	22.1	13.4	8279	1.6	0.0	0.0	0.0
8166	6.0	0.0	0.0	0.0	8223	5.8	6.1	57.2	37.8	8280	1.4	0.0	0.0	0.0
8167	6.8	0.0	0.0	0.0	8224	6.0	1.3	11.0	7.6	8281	1.4	0.0	0.0	0.0
8168	6.8	0.0	0.0	0.0	8225	6.0	0.0	0.0	0.0	8282	1.4	0.0	0.0	0.0
8169	6.5	1.9	13.7	8.3	8226	5.9	0.0	0.0	0.0	8283	1.3	0.0	0.0	0.0
8170	6.3	7.6	62.4	37.6	8227	5.7	0.0	0.0	0.0	8284	1.4	0.0	0.0	0.0
8171	6.6	5.6	79.0	47.6	8228	5.8	0.0	0.0	0.0	8285	1.5	0.0	0.0	0.0
8172	6.8	25.3	128.2	77.7	8229	6.0	0.0	0.0	0.0	8286	1.7	0.0	0.0	0.0
8173	6.7	1.3	44.0	26.6	8230	6.1	0.0	0.0	0.0	8287	3.1	0.0	0.0	0.0
8174	6.2	4.5	71.0	44.3	8231	6.1	0.0	0.0	0.0	8288	4.3	0.0	0.0	0.0
8175	6.0	0.3	13.8	8.5	8232	6.1	0.0	0.0	0.0	8289	4.8	0.4	5.5	3.3
8176	5.7	5.0	21.8	16.8	8233	6.1	0.0	0.0	0.0	8290	5.9	84.3	87.2	53.9
8177	5.0	0.0	0.0	0.0	8234	6.1	0.0	0.0	0.0	8291	7.0	47.8	118.0	72.0
8178	4.6	0.0	0.0	0.0	8235	6.0	0.0	0.0	0.0	8292	8.3	23.2	123.5	74.8
8179	4.3	0.0	0.0	0.0	8236	5.8	0.0	0.0	0.0	8293	9.2	14.9	114.9	71.2
8180	3.8	0.0	0.0	0.0	8237	5.8	0.0	0.0	0.0	8294	9.1	824.8	54.9	344.9
8181	3.3	0.0	0.0	0.0	8238	6.0	0.0	0.0	0.0	8295	8.7	121.0	88.8	123.2
8182	2.7	0.0	0.0	0.0	8239	5.6	0.0	0.0	0.0	8296	8.4	8.3	24.4	20.8
8183	2.0	0.0	0.0	0.0	8240	5.6	0.0	0.0	0.0	8297	8.0	0.0	0.0	0.0
8184	1.5	0.0	0.0	0.0	8241	5.4	3.1	16.4	9.9	8298	7.6	0.0	0.0	0.0
8185	1.2	0.0	0.0	0.0	8242	4.5	69.4	87.0	53.5	8299	7.6	0.0	0.0	0.0

8300	7.4	0.0	0.0	0.0	8357	2.1	0.0	0.0	0.0	8414	4.5	2.1	46.7	28.8
8301	7.5	0.0	0.0	0.0	8358	1.5	0.0	0.0	0.0	8415	4.9	1.0	22.1	13.8
8302	7.9	0.0	0.0	0.0	8359	0.3	0.0	0.0	0.0	8416	5.0	0.9	8.3	5.6
8303	7.8	0.0	0.0	0.0	8360	-0.1	0.0	0.0	0.0	8417	5.0	0.0	0.0	0.0
8304	7.4	0.0	0.0	0.0	8361	0.3	0.4	5.5	3.3	8418	4.8	0.0	0.0	0.0
8305	6.9	0.0	0.0	0.0	8362	0.1	0.4	13.8	8.3	8419	4.9	0.0	0.0	0.0
8306	6.6	0.0	0.0	0.0	8363	-0.7	0.5	22.1	13.3	8420	5.0	0.0	0.0	0.0
8307	6.2	0.0	0.0	0.0	8364	-1.2	5.9	89.9	54.1	8421	4.9	0.0	0.0	0.0
8308	6.0	0.0	0.0	0.0	8365	-1.7	1.6	46.8	28.3	8422	4.8	0.0	0.0	0.0
8309	5.4	0.0	0.0	0.0	8366	-2.2	0.7	27.6	16.8	8423	4.7	0.0	0.0	0.0
8310	4.4	0.0	0.0	0.0	8367	-2.3	1.2	24.8	15.6	8424	4.7	0.0	0.0	0.0
8311	4.0	0.0	0.0	0.0	8368	-2.4	1.6	11.0	7.8	8425	4.7	0.0	0.0	0.0
8312	4.0	0.0	0.0	0.0	8369	-2.7	0.0	0.0	0.0	8426	4.6	0.0	0.0	0.0
8313	4.3	34.1	30.9	18.8	8370	-3.1	0.0	0.0	0.0	8427	4.5	0.0	0.0	0.0
8314	5.1	86.6	86.9	53.7	8371	-3.4	0.0	0.0	0.0	8428	4.2	0.0	0.0	0.0
8315	5.5	122.3	126.2	79.0	8372	-3.8	0.0	0.0	0.0	8429	4.0	0.0	0.0	0.0
8316	6.0	191.9	144.6	92.6	8373	-3.9	0.0	0.0	0.0	8430	3.8	0.0	0.0	0.0
8317	6.1	415.4	121.3	135.2	8374	-4.0	0.0	0.0	0.0	8431	4.0	0.0	0.0	0.0
8318	5.5	575.7	85.1	268.6	8375	-4.0	0.0	0.0	0.0	8432	4.3	0.0	0.0	0.0
8319	5.1	475.0	68.4	315.5	8376	-4.0	0.0	0.0	0.0	8433	4.0	0.4	5.5	3.3
8320	4.5	224.9	33.8	185.9	8377	-4.0	0.0	0.0	0.0	8434	3.8	0.7	19.3	11.6
8321	2.8	0.0	0.0	0.0	8378	-3.9	0.0	0.0	0.0	8435	4.1	0.7	27.6	16.6
8322	1.3	0.0	0.0	0.0	8379	-3.8	0.0	0.0	0.0	8436	4.3	1.4	44.0	26.5
8323	-0.1	0.0	0.0	0.0	8380	-4.0	0.0	0.0	0.0	8437	4.3	0.6	27.6	16.6
8324	-1.5	0.0	0.0	0.0	8381	-3.4	0.0	0.0	0.0	8438	4.6	4.6	68.3	42.7
8325	-1.9	0.0	0.0	0.0	8382	-2.9	0.0	0.0	0.0	8439	5.0	0.7	19.3	12.0
8326	-2.1	0.0	0.0	0.0	8383	-3.0	0.0	0.0	0.0	8440	5.3	0.9	8.3	5.7
8327	-3.1	0.0	0.0	0.0	8384	-2.8	0.0	0.0	0.0	8441	5.3	0.0	0.0	0.0
8328	-4.0	0.0	0.0	0.0	8385	-2.6	0.4	5.5	3.3	8442	5.2	0.0	0.0	0.0
8329	-4.2	0.0	0.0	0.0	8386	-1.9	0.7	19.3	11.6	8443	5.2	0.0	0.0	0.0
8330	-4.2	0.0	0.0	0.0	8387	-1.3	0.7	27.6	16.6	8444	5.4	0.0	0.0	0.0
8331	-4.2	0.0	0.0	0.0	8388	-0.9	1.6	46.8	28.1	8445	5.6	0.0	0.0	0.0
8332	-4.0	0.0	0.0	0.0	8389	-0.7	0.5	27.6	16.6	8446	5.6	0.0	0.0	0.0
8333	-3.7	0.0	0.0	0.0	8390	-0.4	0.5	22.1	13.4	8447	5.7	0.0	0.0	0.0
8334	-3.1	0.0	0.0	0.0	8391	-0.1	1.0	22.1	13.8	8448	5.7	0.0	0.0	0.0
8335	-3.3	0.0	0.0	0.0	8392	0.2	1.6	11.0	7.8	8449	5.7	0.0	0.0	0.0
8336	-3.7	0.0	0.0	0.0	8393	0.5	0.0	0.0	0.0	8450	5.6	0.0	0.0	0.0
8337	-3.5	573.9	23.1	18.0	8394	0.7	0.0	0.0	0.0	8451	5.5	0.0	0.0	0.0
8338	-2.1	322.1	80.1	54.0	8395	0.5	0.0	0.0	0.0	8452	5.3	0.0	0.0	0.0
8339	0.3	382.8	108.3	75.0	8396	0.7	0.0	0.0	0.0	8453	5.3	0.0	0.0	0.0
8340	2.1	471.0	113.2	82.2	8397	1.0	0.0	0.0	0.0	8454	4.8	0.0	0.0	0.0
8341	2.5	74.3	141.4	96.0	8398	1.3	0.0	0.0	0.0	8455	4.2	0.0	0.0	0.0
8342	2.6	156.2	125.8	134.5	8399	1.7	0.0	0.0	0.0	8456	4.3	0.0	0.0	0.0
8343	3.0	68.1	84.8	90.2	8400	2.0	0.0	0.0	0.0	8457	4.4	1.7	11.0	6.6
8344	2.5	236.8	33.2	194.1	8401	2.2	0.0	0.0	0.0	8458	4.5	0.4	13.8	8.3
8345	2.0	0.0	0.0	0.0	8402	2.4	0.0	0.0	0.0	8459	4.2	2.1	46.7	28.1
8346	1.5	0.0	0.0	0.0	8403	2.5	0.0	0.0	0.0	8460	4.0	7.7	97.7	58.9
8347	1.0	0.0	0.0	0.0	8404	2.5	0.0	0.0	0.0	8461	4.4	0.6	27.6	16.6
8348	0.9	0.0	0.0	0.0	8405	2.6	0.0	0.0	0.0	8462	4.7	0.5	22.1	13.4
8349	0.5	0.0	0.0	0.0	8406	2.7	0.0	0.0	0.0	8463	5.0	16.7	69.2	51.2
8350	0.2	0.0	0.0	0.0	8407	2.6	0.0	0.0	0.0	8464	5.1	3.8	16.4	12.6
8351	0.8	0.0	0.0	0.0	8408	2.9	0.0	0.0	0.0	8465	4.8	0.0	0.0	0.0
8352	1.3	0.0	0.0	0.0	8409	3.5	0.9	8.3	5.0	8466	5.1	0.0	0.0	0.0
8353	1.6	0.0	0.0	0.0	8410	3.7	6.9	57.1	34.4	8467	5.6	0.0	0.0	0.0
8354	1.8	0.0	0.0	0.0	8411	3.6	0.5	22.1	13.3	8468	5.8	0.0	0.0	0.0
8355	1.9	0.0	0.0	0.0	8412	3.8	2.9	63.0	37.9	8469	5.3	0.0	0.0	0.0
8356	2.0	0.0	0.0	0.0	8413	4.0	5.6	87.2	53.2	8470	4.4	0.0	0.0	0.0

8471	3.9	0.0	0.0	0.0	8528	10.5	0.0	0.0	0.0	8585	10.1	0.0	0.0	0.0
8472	3.7	0.0	0.0	0.0	8529	10.2	7.1	21.7	13.1	8586	10.1	0.0	0.0	0.0
8473	3.6	0.0	0.0	0.0	8530	10.3	1.9	30.2	18.2	8587	9.8	0.0	0.0	0.0
8474	3.7	0.0	0.0	0.0	8531	10.6	78.6	121.4	74.9	8588	9.2	0.0	0.0	0.0
8475	3.8	0.0	0.0	0.0	8532	11.0	13.0	110.0	66.4	8589	8.5	0.0	0.0	0.0
8476	3.7	0.0	0.0	0.0	8533	10.9	55.7	136.2	90.0	8590	8.0	0.0	0.0	0.0
8477	3.5	0.0	0.0	0.0	8534	10.3	0.5	22.1	13.4	8591	7.7	0.0	0.0	0.0
8478	3.6	0.0	0.0	0.0	8535	10.4	64.4	82.9	86.9	8592	7.7	0.0	0.0	0.0
8479	3.1	0.0	0.0	0.0	8536	10.8	5.2	19.1	15.3	8593	7.8	0.0	0.0	0.0
8480	2.4	0.0	0.0	0.0	8537	10.5	0.0	0.0	0.0	8594	7.7	0.0	0.0	0.0
8481	2.1	0.4	5.5	3.3	8538	9.8	0.0	0.0	0.0	8595	7.6	0.0	0.0	0.0
8482	2.3	24.3	73.4	44.5	8539	9.6	0.0	0.0	0.0	8596	7.5	0.0	0.0	0.0
8483	3.6	0.5	22.1	13.3	8540	9.2	0.0	0.0	0.0	8597	7.2	0.0	0.0	0.0
8484	5.0	2.9	63.0	37.9	8541	8.6	0.0	0.0	0.0	8598	7.0	0.0	0.0	0.0
8485	5.1	7.0	95.1	58.1	8542	8.4	0.0	0.0	0.0	8599	7.1	0.0	0.0	0.0
8486	5.5	6.9	81.6	51.5	8543	8.6	0.0	0.0	0.0	8600	6.7	0.0	0.0	0.0
8487	6.2	7.0	57.1	38.3	8544	9.0	0.0	0.0	0.0	8601	6.5	2.6	13.7	8.2
8488	6.3	3.8	16.4	12.7	8545	9.2	0.0	0.0	0.0	8602	6.5	3.4	41.1	24.7
8489	6.5	0.0	0.0	0.0	8546	9.1	0.0	0.0	0.0	8603	6.3	2.4	49.4	29.7
8490	6.6	0.0	0.0	0.0	8547	8.9	0.0	0.0	0.0	8604	6.3	0.6	27.6	16.6
8491	6.3	0.0	0.0	0.0	8548	8.8	0.0	0.0	0.0	8605	6.3	0.6	27.6	16.6
8492	6.5	0.0	0.0	0.0	8549	8.5	0.0	0.0	0.0	8606	6.2	0.6	24.9	15.1
8493	6.9	0.0	0.0	0.0	8550	8.2	0.0	0.0	0.0	8607	6.2	1.8	30.2	19.2
8494	7.0	0.0	0.0	0.0	8551	8.4	0.0	0.0	0.0	8608	6.0	0.9	8.3	5.7
8495	7.0	0.0	0.0	0.0	8552	9.0	0.0	0.0	0.0	8609	5.8	0.0	0.0	0.0
8496	7.0	0.0	0.0	0.0	8553	9.2	3.8	16.4	9.9	8610	6.1	0.0	0.0	0.0
8497	7.2	0.0	0.0	0.0	8554	10.6	34.4	77.2	46.9	8611	6.4	0.0	0.0	0.0
8498	7.5	0.0	0.0	0.0	8555	12.1	33.8	110.7	67.3	8612	6.3	0.0	0.0	0.0
8499	7.7	0.0	0.0	0.0	8556	11.9	66.1	138.6	85.1	8613	6.0	0.0	0.0	0.0
8500	7.6	0.0	0.0	0.0	8557	12.1	46.2	133.4	87.0	8614	5.9	0.0	0.0	0.0
8501	7.9	0.0	0.0	0.0	8558	12.5	326.3	113.0	190.9	8615	5.8	0.0	0.0	0.0
8502	8.0	0.0	0.0	0.0	8559	12.4	95.9	85.6	106.7	8616	5.7	0.0	0.0	0.0
8503	7.6	0.0	0.0	0.0	8560	12.0	5.2	19.1	15.3	8617	5.5	0.0	0.0	0.0
8504	7.6	0.0	0.0	0.0	8561	11.3	0.0	0.0	0.0	8618	5.3	0.0	0.0	0.0
8505	7.9	5.2	19.1	11.5	8562	10.8	0.0	0.0	0.0	8619	5.2	0.0	0.0	0.0
8506	8.5	5.5	51.8	31.2	8563	10.2	0.0	0.0	0.0	8620	4.9	0.0	0.0	0.0
8507	9.3	153.3	124.4	78.6	8564	9.2	0.0	0.0	0.0	8621	5.0	0.0	0.0	0.0
8508	10.0	240.4	139.3	90.8	8565	8.8	0.0	0.0	0.0	8622	5.0	0.0	0.0	0.0
8509	10.4	106.5	143.2	101.9	8566	8.9	0.0	0.0	0.0	8623	5.0	0.0	0.0	0.0
8510	10.0	111.9	123.9	116.5	8567	8.7	0.0	0.0	0.0	8624	5.7	0.0	0.0	0.0
8511	9.2	64.4	82.9	86.9	8568	8.2	0.0	0.0	0.0	8625	5.8	0.4	5.5	3.3
8512	9.3	5.2	19.1	15.3	8569	7.6	0.0	0.0	0.0	8626	5.5	0.4	13.8	8.3
8513	9.2	0.0	0.0	0.0	8570	7.1	0.0	0.0	0.0	8627	5.8	0.5	22.1	13.3
8514	8.5	0.0	0.0	0.0	8571	6.7	0.0	0.0	0.0	8628	5.9	3.7	71.1	42.8
8515	8.6	0.0	0.0	0.0	8572	6.5	0.0	0.0	0.0	8629	5.6	0.6	27.6	16.6
8516	8.6	0.0	0.0	0.0	8573	6.6	0.0	0.0	0.0	8630	5.8	0.5	22.1	13.4
8517	8.3	0.0	0.0	0.0	8574	6.6	0.0	0.0	0.0	8631	6.7	3.9	43.8	28.5
8518	8.5	0.0	0.0	0.0	8575	6.8	0.0	0.0	0.0	8632	7.2	5.0	19.1	15.2
8519	9.0	0.0	0.0	0.0	8576	6.9	0.0	0.0	0.0	8633	7.0	0.0	0.0	0.0
8520	9.5	0.0	0.0	0.0	8577	7.0	0.4	5.5	3.3	8634	6.3	0.0	0.0	0.0
8521	10.0	0.0	0.0	0.0	8578	7.8	47.2	80.4	49.1	8635	5.4	0.0	0.0	0.0
8522	10.5	0.0	0.0	0.0	8579	8.8	23.3	105.1	63.7	8636	5.1	0.0	0.0	0.0
8523	10.6	0.0	0.0	0.0	8580	9.5	90.9	142.3	88.1	8637	5.3	0.0	0.0	0.0
8524	10.7	0.0	0.0	0.0	8581	9.7	2.9	63.0	38.2	8638	5.6	0.0	0.0	0.0
8525	10.5	0.0	0.0	0.0	8582	10.1	1.9	44.0	27.1	8639	5.8	0.0	0.0	0.0
8526	10.3	0.0	0.0	0.0	8583	10.5	24.1	73.5	58.0	8640	5.6	0.0	0.0	0.0
8527	10.5	0.0	0.0	0.0	8584	10.4	5.2	19.1	15.2	8641	5.1	0.0	0.0	0.0

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