

data\_PB-NAT\_publ

\_pd\_block\_id  
2011-03-22T11:24|PB-NAT|Donghoon\_Seoung|X14A

\_audit\_creation\_method "from EXP file using GSAS2CIF"  
\_audit\_creation\_date 2011-03-22T11:24  
\_audit\_author\_name "Donghoon Seoung"  
\_audit\_update\_record  
; 2011-03-22T11:24 Initial CIF as created by GSAS2CIF  
;

#=====

# this information describes the project, paper etc. for the CIF #  
# Acta Cryst. Section C papers and editorial correspondence is generated #  
# from the information in this section #  
# #  
# (from) CIF submission form for Rietveld refinements (Acta Cryst. C) #  
# Version 14 December 1998 #  
#=====

# 1. SUBMISSION DETAILS

\_publ\_contact\_author\_name ? # Name of author for correspondence  
\_publ\_contact\_author\_address # Address of author for correspondence  
; ?  
;  
\_publ\_contact\_author\_email ?  
\_publ\_contact\_author\_fax ?  
\_publ\_contact\_author\_phone ?

\_publ\_contact\_letter  
; ?  
;

\_publ\_requested\_journal ?  
\_publ\_requested\_coeditor\_name ?  
\_publ\_requested\_category ? # Acta C: one of CI/CM/CO/FI/FM/FO

#=====

# 2. PROCESSING SUMMARY (IUCr Office Use Only)

\_journal\_data\_validation\_number ?

\_journal\_date\_recd\_electronic ?  
\_journal\_date\_to\_coeditor ?  
\_journal\_date\_from\_coeditor ?  
\_journal\_date\_accepted ?  
\_journal\_date\_printers\_first ?  
\_journal\_date\_printers\_final ?  
\_journal\_date\_proofs\_out ?  
\_journal\_date\_proofs\_in ?  
\_journal\_coeditor\_name ?

```

_journal_coeditor_code      ?
_journal_coeditor_notes
; ?
;
_journal_techeditor_code    ?
_journal_techeditor_notes
; ?
;
_journal_coden_ASTM         ?
_journal_name_full          ?
_journal_year               ?
_journal_volume             ?
_journal_issue              ?
_journal_page_first         ?
_journal_page_last          ?
_journal_paper_category     ?
_journal_suppl_publ_number  ?
_journal_suppl_publ_pages   ?

```

```

#=====

```

### # 3. TITLE AND AUTHOR LIST

```

_publ_section_title
; ?
;
_publ_section_title_footnote
; ?
;

```

# The loop structure below should contain the names and addresses of all  
# authors, in the required order of publication. Repeat as necessary.

```

loop_
  _publ_author_name
  _publ_author_footnote
  _publ_author_address
  ?          #<--'Last name, first name'
; ?
;
; ?
;

```

```

#=====

```

### # 4. TEXT

```

_publ_section_synopsis
; ?
;
_publ_section_abstract
; ?
;
_publ_section_comment

```

```

; ?
;
_publ_section_exptl_prep    # Details of the preparation of the sample(s)
                             # should be given here.

; ?
;
_publ_section_exptl_refinement
; ?
;
_publ_section_references
; ?
;
_publ_section_figure_captions
; ?
;
_publ_section_acknowledgements
; ?
;

#=====
# 5. OVERALL REFINEMENT & COMPUTING DETAILS

_refine_special_details
; ?
;
_pd_proc_ls_special_details
; ?
;

# The following items are used to identify the programs used.
_computing_molecular_graphics  ?
_computing_publication_material ?

_refine_ls_weighting_scheme    ?
_refine_ls_weighting_details   ?
_refine_ls_hydrogen_treatment  ?
_refine_ls_extinction_method   ?
_refine_ls_extinction_coef     ?
_refine_ls_number_constraints  ?

_refine_ls_restrained_S_all    ?
_refine_ls_restrained_S_obs    ?

#=====
# 6. SAMPLE PREPARATION DATA

# (In the unusual case where multiple samples are used in a single
# Rietveld study, this information should be moved into the phase
# blocks)

# The following three fields describe the preparation of the material.
# The cooling rate is in K/min. The pressure at which the sample was
# prepared is in kPa. The temperature of preparation is in K.

```

\_pd\_prep\_cool\_rate ?  
\_pd\_prep\_pressure ?  
\_pd\_prep\_temperature ?  
  
\_pd\_char\_colour ? # use ICDD colour descriptions  
\_refine\_ls\_shift/su\_max 0.05  
\_refine\_ls\_shift/su\_mean 0.01  
\_computing\_structure\_refinement GSAS  
\_refine\_ls\_number\_parameters 40  
\_refine\_ls\_goodness\_of\_fit\_all 2.69  
\_refine\_ls\_number\_restraints 36  
\_refine\_ls\_matrix\_type full

#=====

## # 7. CHEMICAL, STRUCTURAL AND CRYSTAL DATA

\_pd\_char\_particle\_morphology ?  
  
\_chemical\_name\_systematic  
; ?  
;  
\_chemical\_name\_common ?  
\_chemical\_formula\_moiety ?  
\_chemical\_formula\_structural ?  
\_chemical\_formula\_analytical ?  
\_chemical\_melting\_point ?  
\_chemical\_compound\_source ? # for minerals and  
# natural products  
\_symmetry\_space\_group\_name\_Hall ?

\_exptl\_crystal\_F\_000 ?  
\_exptl\_crystal\_density\_diffn ?  
\_exptl\_crystal\_density\_meas ?  
\_exptl\_crystal\_density\_method ?

\_cell\_measurement\_temperature ?

\_cell\_special\_details  
; ?  
;

\_geom\_special\_details ?

# The following item identifies the program(s) used (if appropriate).

\_computing\_structure\_solution ?

#=====

## # 8. Phase information from GSAS

\_pd\_phase\_name Pb-NAT  
\_cell\_length\_a 18.7925(6)  
\_cell\_length\_b 19.2520(6)  
\_cell\_length\_c 6.53132(25)  
\_cell\_angle\_alpha 90.0

```

_cell_angle_beta          90.0
_cell_angle_gamma         90.0
_cell_volume              2362.98(19)
_symmetry_cell_setting    orthorhombic
_symmetry_space_group_name_H-M  "F d d 2"
loop_ _symmetry_equiv_pos_site_id _symmetry_equiv_pos_as_xyz
  1 +x,+y,+z
  2 -x+1/4,+y+1/4,+z+1/4
  3 +x+1/4,-y+1/4,+z+1/4
  4 -x,-y+1/2,+z+1/2
  101 +x,+y+1/2,+z+1/2
  102 -x+1/4,+y+3/4,+z+3/4
  103 +x+1/4,-y+3/4,+z+3/4
  104 -x,-y,+z
  201 +x+1/2,+y,+z+1/2
  202 -x+3/4,+y+1/4,+z+3/4
  203 +x+3/4,-y+1/4,+z+3/4
  204 -x+1/2,-y+1/2,+z
  301 +x+1/2,+y+1/2,+z
  302 -x+3/4,+y+3/4,+z+1/4
  303 +x+3/4,-y+3/4,+z+1/4
  304 -x+1/2,-y,+z+1/2

```

# # ATOMIC COORDINATES AND DISPLACEMENT PARAMETERS

```

loop_
  _atom_site_type_symbol
  _atom_site_label
  _atom_site_fract_x
  _atom_site_fract_y
  _atom_site_fract_z
  _atom_site_occupancy
  _atom_site_thermal_displace_type
  _atom_site_U_iso_or_equiv
  _atom_site_symmetry_multiplicity
Si
Si  0.0      0.0      0.0      1.0      Uiso  0.01627      8
Si
Si2  0.1597(4)  0.2075(4)  0.6185(11)  1.0      Uiso  0.01627      16
Al
Al  0.0427(4)  0.08937(35)  0.6062(10)  1.0      Uiso  0.01627      16
O
O1  0.0203(7)  0.06543(30)  0.8564(12)  1.0      Uiso  0.01792      16
O
O2  0.0852(4)  0.16807(34)  0.6509(16)  1.0      Uiso  0.01792      16
O
O3  0.1009(4)  0.0290(4)   0.4964(16)  1.0      Uiso  0.01792      16
O
O4  0.2169(4)  0.1509(5)   0.7027(17)  1.0      Uiso  0.01792      16
O
O5  0.18183(33)  0.2274(6)   0.3865(12)  1.0      Uiso  0.01792      16
Pb
Pb  0.23322(27)  0.02236(25)  0.6508(14)  0.3477(26) Uiso  0.0143      16

```

Pb							
Pb2	-0.0165(4)	0.2246(5)	0.2270(20)	0.1523(26)	Uiso	0.0143	16
O							
OW	0.0834(5)	0.1400(5)	0.2477(16)	0.9694	Uiso	0.0143	16

# If you change Z, be sure to change all 3 of the following

_chemical_formula_sum	"Al2 O11.94 Pb1.00 Si3"
_chemical_formula_weight	536.43
_cell_formula_units_Z	8

# # MOLECULAR GEOMETRY

loop_			
_geom_bond_atom_site_label_1			
_geom_bond_atom_site_label_2			
_geom_bond_distance			
_geom_bond_site_symmetry_1			
_geom_bond_site_symmetry_2			
_geom_bond_publ_flag			
Si	O1	1.6164(18)	1_554 N
Si	O1	1.6164(18)	104_554 N
Si	O5	1.6204(18)	102_544 N
Si	O5	1.6204(18)	203_454 N
Si	OW	3.512(11)	1_555 N
Si	OW	3.512(11)	104_555 N
Si2	Al	3.108(6)	2_555 N
Si2	Al	3.077(7)	3_555 N
Si2	O2	1.6071(26)	1_555 N
Si2	O3	1.6227(26)	2_555 N
Si2	O4	1.6251(26)	1_555 N
Si2	O5	1.6170(26)	1_555 N
Si2	Pb2	3.076(8)	4_555 N
Si2	OW	3.100(11)	1_555 N
Al	Si2	3.108(6)	102_544 N
Al	Si2	3.077(7)	203_454 N
Al	O1	1.7487(26)	1_555 N
Al	O1	3.599(8)	104_555 N
Al	O2	1.7378(26)	1_555 N
Al	O3	1.7499(26)	1_555 N
Al	O4	3.538(6)	1_555 N
Al	O4	1.7518(26)	203_454 N
Al	Pb	3.184(8)	203_454 N
Al	OW	2.649(10)	1_555 N
O1	Si	1.6164(18)	1_556 N
O1	Al	1.7487(26)	1_555 N
O1	Al	3.599(8)	104_555 N
O1	O1	2.633(11)	104_555 N
O1	O2	2.682(8)	1_555 N
O1	O3	2.883(9)	1_555 N
O1	O3	3.744(14)	104_555 N
O1	O4	2.895(9)	203_454 N
O1	O5	2.652(8)	102_545 N
O1	O5	2.606(8)	203_455 N
O1	OW	3.162(14)	1_556 N

O1	OW	3.732(16)	203_455	N
O2	Si2	1.6071(26)	1_555	N
O2	Al	1.7378(26)	1_555	N
O2	O1	2.682(8)	1_555	N
O2	O3	2.877(7)	1_555	N
O2	O3	2.528(7)	2_555	N
O2	O4	2.519(8)	1_555	N
O2	O4	2.896(8)	203_454	N
O2	O5	2.754(8)	1_555	N
O2	Pb	2.889(9)	2_555	N
O2	Pb	2.767(11)	203_454	N
O2	Pb2	3.535(14)	1_555	N
O2	Pb2	2.4869(26)	4_555	N
O2	OW	2.6887(27)	1_555	N
O2	OW	3.935(5)	1_556	N
O3	Si2	1.6227(26)	102_544	N
O3	Al	1.7499(26)	1_555	N
O3	O1	2.883(9)	1_555	N
O3	O1	3.744(14)	104_555	N
O3	O2	2.877(7)	1_555	N
O3	O2	2.528(7)	102_544	N
O3	O3	3.952(17)	104_555	N
O3	O4	3.475(9)	1_555	N
O3	O4	2.789(9)	102_544	N
O3	O4	2.871(9)	203_454	N
O3	O5	2.625(9)	102_544	N
O3	O5	3.954(11)	203_454	N
O3	Pb	2.687(11)	1_555	N
O3	Pb2	2.4972(26)	3_555	N
O3	OW	2.704(11)	1_555	N
O4	Si2	1.6251(26)	1_555	N
O4	Al	3.538(6)	1_555	N
O4	Al	1.7518(26)	3_555	N
O4	O1	2.895(9)	3_555	N
O4	O2	2.519(8)	1_555	N
O4	O2	2.896(8)	3_555	N
O4	O3	3.475(9)	1_555	N
O4	O3	2.789(9)	2_555	N
O4	O3	2.871(9)	3_555	N
O4	O5	2.620(9)	1_555	N
O4	O5	3.658(15)	204_555	N
O4	Pb	2.517(10)	1_555	N
O4	Pb2	2.848(14)	3_555	N
O4	OW	3.894(11)	1_555	N
O4	OW	2.685(10)	3_555	N
O5	Si	1.6204(18)	2_555	N
O5	Si2	1.6170(26)	1_555	N
O5	O1	2.652(8)	2_554	N
O5	O1	2.606(8)	3_554	N
O5	O2	2.754(8)	1_555	N
O5	O3	2.625(9)	2_555	N
O5	O3	3.954(11)	3_555	N
O5	O4	2.620(9)	1_555	N
O5	O4	3.658(15)	204_555	N

O5	O5	2.706(10)	. 204_555	N
O5	Pb	3.734(8)	. 203_454	N
O5	Pb2	3.870(10)	. 1_555	N
O5	Pb2	3.932(10)	. 4_555	N
O5	OW	2.659(11)	. 1_555	N
O5	OW	3.227(14)	. 2_555	N
O5	OW	3.708(16)	. 3_555	N
Pb	Al	3.184(8)	. 3_555	N
Pb	O2	2.767(11)	. 3_555	N
Pb	O2	2.889(9)	. 102_544	N
Pb	O3	2.687(11)	. 1_555	N
Pb	O4	2.517(10)	. 1_555	N
Pb	O5	3.734(8)	. 3_555	N
Pb	Pb	3.4356(32)	. 304_554	N
Pb	Pb	3.4356(32)	. 304_555	N
Pb	Pb2	1.136(8)	. 3_555	N
Pb	Pb2	2.403(8)	. 102_545	N
Pb	OW	2.719(7)	. 3_555	N
Pb	OW	3.633(11)	. 102_545	N
Pb2	Si2	3.076(8)	. 4_554	N
Pb2	O2	3.535(14)	. 1_555	N
Pb2	O2	2.4869(26)	. 4_554	N
Pb2	O3	2.4972(26)	. 203_454	N
Pb2	O4	2.848(14)	. 203_454	N
Pb2	O5	3.870(10)	. 1_555	N
Pb2	O5	3.932(10)	. 4_554	N
Pb2	Pb	2.403(8)	. 2_554	N
Pb2	Pb	1.136(8)	. 203_454	N
Pb2	Pb2	3.465(7)	. 4_554	N
Pb2	Pb2	3.465(7)	. 4_555	N
Pb2	OW	2.4891(26)	. 1_555	N
Pb2	OW	3.881(14)	. 203_454	N
OW	Si	3.512(11)	. 1_555	N
OW	Si2	3.100(11)	. 1_555	N
OW	Al	2.649(10)	. 1_555	N
OW	O1	3.162(14)	. 1_554	N
OW	O1	3.732(16)	. 3_554	N
OW	O2	3.935(5)	. 1_554	N
OW	O2	2.6887(27)	. 1_555	N
OW	O3	2.704(11)	. 1_555	N
OW	O4	3.894(11)	. 1_555	N
OW	O4	2.685(10)	. 203_454	N
OW	O5	2.659(11)	. 1_555	N
OW	O5	3.227(14)	. 102_544	N
OW	O5	3.708(16)	. 203_454	N
OW	Pb	3.633(11)	. 2_554	N
OW	Pb	2.719(7)	. 203_454	N
OW	Pb2	2.4891(26)	. 1_555	N
OW	Pb2	3.881(14)	. 3_555	N

loop\_

\_geom\_angle\_atom\_site\_label\_1  
 \_geom\_angle\_atom\_site\_label\_2  
 \_geom\_angle\_atom\_site\_label\_3



\_geom\_angle  
 \_geom\_angle\_site\_symmetry\_1  
 \_geom\_angle\_site\_symmetry\_2  
 \_geom\_angle\_site\_symmetry\_3  
 \_geom\_angle\_publ\_flag

O1	Si	O1	109.0(6)	1_554	104_543	N
O1	Si	O5	110.0(5)	1_554	102_544	N
O1	Si	O5	107.2(4)	1_554	203_454	N
O1	Si	O5	107.2(4)	104_543	102_544	N
O1	Si	O5	110.0(5)	104_543	203_454	N
O5	Si	O5	113.3(6)	102_544	203_454	N
O2	Si2	O3	103.0(4)	1_555	2_555	N
O2	Si2	O4	102.4(5)	1_555	1_555	N
O2	Si2	O5	117.3(5)	1_555	1_555	N
O3	Si2	O4	118.4(6)	2_555	1_555	N
O3	Si2	O5	108.3(6)	2_555	1_555	N
O4	Si2	O5	107.8(6)	1_555	1_555	N
O1	Al	O2	100.6(4)	1_555	1_555	N
O1	Al	O3	111.0(5)	1_555	1_555	N
O1	Al	O4	111.6(5)	1_555	203_454	N
O2	Al	O3	111.1(4)	1_555	1_555	N
O2	Al	O4	112.2(5)	1_555	203_454	N
O3	Al	O4	110.2(5)	1_555	203_454	N
Si	O1	Al	143.5(5)	1_556	1_555	N
Si2	O2	Al	142.2(5)	1_555	1_555	N
Si2	O2	Pb2	94.97(33)	1_555	4_555	N
Al	O2	Pb2	121.3(4)	1_555	4_555	N
Si2	O3	Al	134.3(5)	102_544	1_555	N
Si2	O3	Pb2	94.18(33)	102_544	3_555	N
Al	O3	Pb2	131.6(5)	1_555	3_555	N
Si2	O4	Al	131.3(6)	1_555	3_555	N
Si2	O4	Pb	133.9(5)	1_555	1_555	N
Al	O4	Pb	94.7(4)	3_555	1_555	N
Si	O5	Si2	141.5(5)	2_555	1_555	N
O4	Pb	Pb	113.38(32)	1_555	304_544	N
O4	Pb	Pb	98.09(27)	1_555	304_545	N
O4	Pb	Pb2	94.8(7)	1_555	3_555	N
O4	Pb	Pb2	106.77(33)	1_555	102_545	N
Pb	Pb	Pb	143.81(32)	304_544	304_545	N
Pb	Pb	Pb2	20.4(6)	304_544	3_555	N
Pb	Pb	Pb2	134.36(30)	304_544	102_545	N
Pb	Pb	Pb2	164.0(8)	304_545	3_555	N
Pb	Pb	Pb2	9.49(27)	304_545	102_545	N
Pb2	Pb	Pb2	154.7(6)	3_555	102_545	N
O2	Pb2	O3	60.97(19)	4_554	203_454	N
O2	Pb2	Pb	68.9(4)	4_554	2_554	N
O2	Pb2	Pb	98.9(6)	4_554	203_454	N
O2	Pb2	Pb2	70.7(4)	4_554	4_554	N
O2	Pb2	Pb2	92.7(5)	4_554	4_555	N
O2	Pb2	OW	161.1(5)	4_554	1_555	N
O3	Pb2	Pb	108.37(34)	203_454	2_554	N
O3	Pb2	Pb	86.9(6)	203_454	203_454	N
O3	Pb2	Pb2	103.53(35)	203_454	4_554	N
O3	Pb2	Pb2	97.9(4)	203_454	4_555	N

O3	Pb2	OW	137.1(5)	203_454	.	1_555	N
Pb	Pb2	Pb	150.1(8)	2_554	.	203_454	N
Pb	Pb2	Pb2	8.07(20)	2_554	.	4_554	N
Pb	Pb2	Pb2	132.9(6)	2_554	.	4_555	N
Pb	Pb2	OW	95.9(4)	2_554	.	1_555	N
Pb	Pb2	Pb2	158.1(10)	203_454	.	4_554	N
Pb	Pb2	Pb2	17.3(4)	203_454	.	4_555	N
Pb	Pb2	OW	89.1(4)	203_454	.	1_555	N
Pb2	Pb2	Pb2	141.0(7)	4_554	.	4_555	N
Pb2	Pb2	OW	95.8(4)	4_554	.	1_555	N
Pb2	Pb2	OW	89.94(34)	4_555	.	1_555	N

# Powder diffraction data for histogram 1

#=====

# 9. INSTRUMENT CHARACTERIZATION

\_exptl\_special\_details  
; ?  
;

# if regions of the data are excluded, the reason(s) are supplied here:  
\_pd\_proc\_info\_excluded\_regions  
; ?  
;

# The following item is used to identify the equipment used to record  
# the powder pattern when the diffractogram was measured at a laboratory  
# other than the authors' home institution, e.g. when neutron or synchrotron  
# radiation is used.

\_pd\_instr\_location  
; ?  
;  
\_pd\_calibration\_special\_details # description of the method used  
# to calibrate the instrument  
; ?  
;

\_diffrn\_ambient\_temperature ?  
\_diffrn\_source ?  
\_diffrn\_source\_target ?  
\_diffrn\_source\_type ?  
\_diffrn\_measurement\_device\_type ?  
\_diffrn\_detector ?  
\_diffrn\_detector\_type ? # make or model of detector

\_pd\_meas\_scan\_method ? # options are 'step', 'cont',  
# 'tof', 'fixed' or  
# 'disp' (= dispersive)  
\_pd\_meas\_special\_details  
; ?  
;

# The following two items identify the program(s) used (if appropriate).

\_computing\_data\_collection      ?  
\_computing\_data\_reduction      ?

# Describe any processing performed on the data, prior to refinement.  
# For example: a manual Lp correction or a precomputed absorption correction  
\_pd\_proc\_info\_data\_reduction      ?

# The following item is used for angular dispersive measurements only.

\_diffrn\_radiation\_monochromator    ?

# The following items are used to define the size of the instrument.  
# Not all distances are appropriate for all instrument types.

\_pd\_instr\_dist\_src/mono            ?  
\_pd\_instr\_dist\_mono/spec          ?  
\_pd\_instr\_dist\_src/spec           ?  
\_pd\_instr\_dist\_spec/anal          ?  
\_pd\_instr\_dist\_anal/detc          ?  
\_pd\_instr\_dist\_spec/detc          ?

# 10. Specimen size and mounting information

# The next three fields give the specimen dimensions in mm. The equatorial  
# plane contains the incident and diffracted beam.

\_pd\_spec\_size\_axial                ?      # perpendicular to  
                                      # equatorial plane

\_pd\_spec\_size\_equat                ?      # parallel to  
                                      # scattering vector  
                                      # in transmission

\_pd\_spec\_size\_thick                ?      # parallel to  
                                      # scattering vector  
                                      # in reflection

\_pd\_spec\_mounting                    # This field should be  
                                      # used to give details of the  
                                      # container.

; ?  
;

\_pd\_spec\_mount\_mode                ?      # options are 'reflection'  
                                      # or 'transmission'

\_pd\_spec\_shape                      ?      # options are 'cylinder'  
                                      # 'flat\_sheet' or 'irregular'

loop\_ \_atom\_type\_symbol  
      \_atom\_type\_number\_in\_cell  
      \_atom\_type\_scatter\_dispersion\_real  
      \_atom\_type\_scatter\_dispersion\_imag

```

_atom_type_scatter_Cromer_Mann_a1
_atom_type_scatter_Cromer_Mann_a2
_atom_type_scatter_Cromer_Mann_a3
_atom_type_scatter_Cromer_Mann_a4
_atom_type_scatter_Cromer_Mann_b1
_atom_type_scatter_Cromer_Mann_b2
_atom_type_scatter_Cromer_Mann_b3
_atom_type_scatter_Cromer_Mann_b4
_atom_type_scatter_Cromer_Mann_c
_atom_type_scatter_source
Si      24.0  0.254  0.330
6.29150 2.43860 3.03530 32.3337 1.98910 0.67850 1.54100 81.6937 1.14070
International_Tables_Vol_C
Al      16.0  0.214  0.246
6.42020 3.03870 1.90020 0.74260 1.59360 31.5472 1.96460 85.0886 1.11510
International_Tables_Vol_C
O       95.51  0.049  0.032
3.04850 13.2771 2.28680 5.70110 1.54630 0.32390 0.86700 32.9089 0.25080
International_Tables_Vol_C
Pb      8.0  -4.078  8.502
31.0617 0.69020 13.0637 2.35760 18.4420 8.61800 5.96960 47.2579 13.4118
International_Tables_Vol_C
_diffraction_radiation_probe      x-ray
_diffraction_radiation_polarisation_ratio      0.95
_diffraction_radiation_wavelength      0.72969
_diffraction_radiation_type      ?
_pd_proc_ls_profile_R_factor      0.0304
_pd_proc_ls_profile_wR_factor      0.0482
_pd_proc_ls_profile_wR_expected      0.0193
_refine_ls_R_factor      0.30564

_pd_proc_ls_background_function
; GSAS Background function number 1 with 12 terms.
Shifted Chebyshev function of 1st kind
  1: 2692.78  2: -1734.48  3: 594.999  4: -19.5416
  5: -103.854  6: 64.3945  7: 6.71509  8: -40.3168
  9: 44.5811 10: -41.0004 11: 1.80993 12: 16.4539
;

_exptl_absorption_process_details
; GSAS Absorption/surface roughness correction: function number 0
No correction is applied.
;
_exptl_absorption_correction_T_min      1.00000
_exptl_absorption_correction_T_max      1.00000
# Extinction correction
_gsas_exptl_extinct_corr_T_min      1.00000
_gsas_exptl_extinct_corr_T_max      1.00000
_pd_proc_ls_preference_orient_corr
; March-Dollase
AXIS 1 Ratio= 0.83490 h= 0.000 k= 0.000 l= 1.000
Preferred orientation correction range: Min= 0.76286, Max= 1.71836
;

```

```

_pd_proc_ls_profile_function
;
CW Profile function number 3 with 19 terms
Pseudovoigt profile coefficients as parameterized in
P. Thompson, D.E. Cox & J.B. Hastings (1987). J. Appl. Cryst.,20,79-83.
Asymmetry correction of L.W. Finger, D.E. Cox & A. P. Jephcoat (1994).
J. Appl. Cryst.,27,892-900.
#1(GU) = 112.139 #2(GV) = -16.707 #3(GW) = 1.111
#4(GP) = 0.000 #5(LX) = 0.406 #6(LY) = 18.119
#7(S/L) = 0.0005 #8(H/L) = 0.0005
#9(trns) = 0.00 #10(shft)= 0.0000
#11(stec)= 0.00 #12(ptec)= 0.00 #13(sfec)= 0.00
#14(L11)= 0.000 #15(L22)= 0.000 #16(L33)= 0.000
#17(L12)= 0.000 #18(L13)= 0.000 #19(L23)= 0.000
Peak tails are ignored where the intensity is below 0.0020 times the peak
Aniso. broadening axis 0.0 0.0 1.0
;
_pd_proc_ls_peak_cutoff 0.00200
_pd_proc_info_datetime 2011-03-22T11:24:49
_pd_calc_method "Rietveld Refinement"

```

#---- raw/calc data loop ----

```

_pd_meas_2theta_range_min 4.405
_pd_meas_2theta_range_max 61.6
_pd_meas_2theta_range_inc 0.005
_pd_proc_2theta_range_min 4.40241
_pd_proc_2theta_range_max 61.59741
_pd_proc_2theta_range_inc 0.005

```

loop\_

```

_pd_meas_counts_total
_pd_proc_ls_weight
_pd_proc_intensity_bkg_calc
_pd_calc_intensity_total
5129.0 0.0 5308.93848 .
5030.0 0.0 5305.80176 .
5336.0 0.0 5302.67432 .
4992.0 0.0 5299.55469 .
5183.0 0.0 5296.44385 .
5209.0 0.0 5293.34229 .
5042.0 0.0 5290.24805 .
5076.0 0.0 5287.16309 .
5112.0 0.0 5284.08594 .
5225.0 0.0 5281.01807 .
5163.0 0.0 5277.95801 .
5175.0 0.0 5274.90723 .
5102.0 0.0 5271.86426 .
5015.0 0.0 5268.83008 .
5158.0 0.0 5265.80469 .
5029.0 0.0 5262.78711 .
5026.0 0.0 5259.77832 .
4940.0 0.0 5256.77783 .
5067.0 0.0 5253.78613 .
5128.0 0.0 5250.80273 .

```

5109.0	0.0	5247.82764	.
5078.0	0.0	5244.86084	.
5090.0	0.0	5241.90283	.
5183.0	0.0	5238.95313	.
5084.0	0.0	5236.01123	.
5062.0	0.0	5233.07861	.
5280.0	0.0	5230.15479	.
5188.0	0.0	5227.23779	.
4998.0	0.0	5224.33057	.
5122.0	0.0	5221.43066	.
5211.0	0.0	5218.54004	.
5009.0	0.0	5215.65723	.
5087.0	0.0	5212.78320	.
5117.0	0.0	5209.91699	.
5105.0	0.0	5207.05957	.
5103.0	0.0	5204.21045	.
4912.0	0.0	5201.36963	.
4961.0	0.0	5198.53711	.
4967.0	0.0	5195.71289	.
5119.0	0.0	5192.89697	.
5172.0	0.0	5190.08887	.
5003.0	0.0	5187.28955	.
4953.0	0.0	5184.49902	.
5017.0	0.0	5181.71582	.
5224.0	0.0	5178.94141	.
5238.0	0.0	5176.17480	.
5023.0	0.0	5173.41699	.
5209.0	0.0	5170.66748	.
5120.0	0.0	5167.92578	.
4972.0	0.0	5165.19238	.
5030.0	0.0	5162.46729	.
5170.0	0.0	5159.75049	.
5091.0	0.0	5157.04150	.
4958.0	0.0	5154.34131	.
5056.0	0.0	5151.64844	.
5150.0	0.0	5148.96484	.
4935.0	0.0	5146.28906	.
5145.0	0.0	5143.62061	.
5005.0	0.0	5140.96143	.
4972.0	0.0	5138.30957	.
4970.0	0.0	5135.66602	.
4961.0	0.0	5133.03076	.
5033.0	0.0	5130.40332	.
5058.0	0.0	5127.78467	.
5056.0	0.0	5125.17334	.
5031.0	0.0	5122.57031	.
5012.0	0.0	5119.97510	.
5002.0	0.0	5117.38867	.
5052.0	0.0	5114.80957	.
5232.0	0.0	5112.23877	.
4979.0	0.0	5109.67627	.
5037.0	0.0	5107.12109	.
4962.0	0.0	5104.57471	.
4850.0	0.0	5102.03564	.

5096.0	0.0	5099.50537	.
4982.0	0.0	5096.98193	.
4978.0	0.0	5094.46777	.
4944.0	0.0	5091.96094	.
5077.0	0.0	5089.46143	.
5070.0	0.0	5086.97070	.
5086.0	0.0	5084.48779	.
4913.0	0.0	5082.01270	.
5009.0	0.0	5079.54492	.
4952.0	0.0	5077.08594	.
4966.0	0.0	5074.63428	.
5010.0	0.0	5072.19043	.
4964.0	0.0	5069.75488	.
4978.0	0.0	5067.32666	.
4992.0	0.0	5064.90674	.
5012.0	0.0	5062.49414	.
5004.0	0.0	5060.08984	.
5010.0	0.0	5057.69287	.
5011.0	0.0	5055.30420	.
5033.0	0.0	5052.92334	.
4987.0	0.0	5050.54980	.
4924.0	0.0	5048.18408	.
5092.0	0.0	5045.82617	.
5027.0	0.0	5043.47607	.
5008.0	0.0	5041.13379	.
5038.0	0.0	5038.79883	.
5085.0	0.0	5036.47168	.
5016.0	0.0	5034.15234	.
5026.0	0.0	5031.84082	.
5004.0	0.0	5029.53662	.
5047.0	0.0	5027.24023	.
5098.0	0.0	5024.95166	.
4980.0	0.0	5022.67041	.
5168.0	0.0	5020.39697	.
5129.0	0.0	5018.13037	.
5021.0	0.0	5015.87256	.
4941.0	0.0	5013.62158	.
5064.0	0.0	5011.37793	.
5008.0	0.0	5009.14209	.
5079.0	0.0	5006.91406	.
4985.0	0.0	5004.69385	.
5019.0	0.0	5002.48047	.
4953.0	0.0	5000.27441	.
5025.0	0.0	4998.07617	.
4964.0	0.0	4995.88574	.
4962.0	0.0	4993.70215	.
4985.0	0.0001984	4991.52637	4991.52637
5029.0	0.0001984	4989.35791	4989.35791
5016.0	0.0001984	4987.19727	4987.19727
4952.0	0.0002041	4985.04346	4985.04346
5151.0	0.0001929	4982.89697	4982.89697
4966.0	0.0002041	4980.75830	4980.75830
5015.0	0.0001984	4978.62646	4978.62646
4987.0	0.0001984	4976.50244	4976.50244

4894.0	0.0002041	4974.38574	4974.38574
5106.0	0.0001984	4972.27588	4972.27588
5015.0	0.0001984	4970.17383	4970.17383
4893.0	0.0002041	4968.07910	4968.07910
4941.0	0.0002041	4965.99121	4965.99121
4925.0	0.0002041	4963.91064	4963.91064
4950.0	0.0002041	4961.83789	4961.83789
4981.0	0.0001984	4959.77197	4959.77197
4848.0	0.0002041	4957.71289	4957.71289
4928.0	0.0002041	4955.66162	4955.66162
4985.0	0.0001984	4953.61768	4953.61768
5015.0	0.0001984	4951.58057	4951.58057
4887.0	0.0002041	4949.55029	4949.55029
4865.0	0.0002041	4947.52734	4947.52734
5012.0	0.0001984	4945.51172	4945.51172
5086.0	0.0001984	4943.50342	4943.50342
4947.0	0.0002041	4941.50195	4941.50195
4944.0	0.0002041	4939.50781	4939.50781
4927.0	0.0002041	4937.52051	4937.52051
4979.0	0.0001984	4935.54053	4935.54053
4984.0	0.0001984	4933.56738	4933.56738
4969.0	0.0002041	4931.60107	4931.60107
5014.0	0.0001984	4929.64209	4929.64209
4924.0	0.0002041	4927.69043	4927.69043
4980.0	0.0001984	4925.74512	4925.74512
4916.0	0.0002041	4923.80713	4923.80713
5008.0	0.0001984	4921.87598	4921.87598
4941.0	0.0002041	4919.95215	4919.95215
4914.0	0.0002041	4918.03467	4918.03467
4926.0	0.0002041	4916.12451	4916.12451
4939.0	0.0002041	4914.22119	4914.22119
4820.0	0.0002100	4912.32471	4912.32471
5060.0	0.0001984	4910.43506	4910.43506
5051.0	0.0001984	4908.55225	4908.55225
4951.0	0.0002041	4906.67627	4906.67627
4948.0	0.0002041	4904.80762	4904.80762
5014.0	0.0001984	4902.94531	4902.94531
4986.0	0.0001984	4901.08984	4901.08984
5021.0	0.0001984	4899.24121	4899.24121
4926.0	0.0002041	4897.39941	4897.39941
4739.0	0.0002100	4895.56445	4895.56445
4818.0	0.0002100	4893.73584	4893.73584
4910.0	0.0002041	4891.91455	4891.91455
4921.0	0.0002041	4890.09961	4890.09961
4967.0	0.0002041	4888.29150	4888.29150
4923.0	0.0002041	4886.49023	4886.49023
4705.0	0.0002100	4884.69531	4884.69531
4990.0	0.0001984	4882.90674	4882.90674
4934.0	0.0002041	4881.12549	4881.12549
4866.0	0.0002041	4879.35059	4879.35059
4801.0	0.0002100	4877.58203	4877.58203
4821.0	0.0002100	4875.82031	4875.82031
4841.0	0.0002041	4874.06543	4874.06543
4842.0	0.0002041	4872.31689	4872.31689



4920.0	0.0002041	4870.57471	4870.57471
4961.0	0.0002041	4868.83936	4868.83936
4955.0	0.0002041	4867.11035	4867.11035
4809.0	0.0002100	4865.38818	4865.38818
4900.0	0.0002041	4863.67188	4863.67188
4910.0	0.0002041	4861.96240	4861.96240
4948.0	0.0002041	4860.25977	4860.25977
5000.0	0.0001984	4858.56299	4858.56299
5016.0	0.0001984	4856.87256	4856.87256
4931.0	0.0002041	4855.18896	4855.18896
4852.0	0.0002041	4853.51172	4853.51172
4881.0	0.0002041	4851.84082	4851.84082
4929.0	0.0002041	4850.17578	4850.17578
4879.0	0.0002041	4848.51758	4848.51758
4915.0	0.0002041	4846.86572	4846.86572
4776.0	0.0002100	4845.22021	4845.22021
4788.0	0.0002100	4843.58105	4843.58105
4847.0	0.0002041	4841.94775	4841.94775
4881.0	0.0002041	4840.32080	4840.32080
4786.0	0.0002100	4838.70068	4838.70068
4819.0	0.0002100	4837.08643	4837.08643
4953.0	0.0002041	4835.47803	4835.47803
4911.0	0.0002041	4833.87646	4833.87646
5012.0	0.0001984	4832.28076	4832.28076
5021.0	0.0001984	4830.69092	4830.69092
4930.0	0.0002041	4829.10791	4829.10791
4893.0	0.0002041	4827.53027	4827.53027
4748.0	0.0002100	4825.95947	4825.95947
4858.0	0.0002041	4824.39453	4824.39453
4657.0	0.0002163	4822.83545	4822.83545
4838.0	0.0002041	4821.28271	4821.28271
4953.0	0.0002041	4819.73633	4819.73633
4924.0	0.0002041	4818.19531	4818.19531
4834.0	0.0002041	4816.66064	4816.66064
4840.0	0.0002041	4815.13184	4815.13184
4790.0	0.0002100	4813.60938	4813.60938
4792.0	0.0002100	4812.09277	4812.09277
4985.0	0.0001984	4810.58203	4810.58203
4849.0	0.0002041	4809.07715	4809.07715
4746.0	0.0002100	4807.57813	4807.57813
4828.0	0.0002100	4806.08545	4806.08545
4922.0	0.0002041	4804.59863	4804.59863
4858.0	0.0002041	4803.11719	4803.11719
4886.0	0.0002041	4801.64209	4801.64209
4887.0	0.0002041	4800.17285	4800.17285
4669.0	0.0002163	4798.70898	4798.70898
4778.0	0.0002100	4797.25146	4797.25146
4844.0	0.0002041	4795.79932	4795.79932
4907.0	0.0002041	4794.35303	4794.35303
4807.0	0.0002100	4792.91260	4792.91260
4816.0	0.0002100	4791.47803	4791.47803
4809.0	0.0002100	4790.04932	4790.04932
4937.0	0.0002041	4788.62598	4788.62598
4772.0	0.0002100	4787.20850	4787.20850

4727.0	0.0002100	4785.79639	4785.79639
4699.0	0.0002100	4784.39014	4784.39014
4861.0	0.0002041	4782.99023	4782.99023
4913.0	0.0002041	4781.59521	4781.59521
4933.0	0.0002041	4780.20605	4780.20605
4843.0	0.0002041	4778.82227	4778.82227
4790.0	0.0002100	4777.44434	4777.44434
4790.0	0.0002100	4776.07178	4776.07178
4889.0	0.0002041	4774.70459	4774.70459
4917.0	0.0002041	4773.34326	4773.34326
4825.0	0.0002100	4771.98730	4771.98730
4896.0	0.0002041	4770.63721	4770.63721
4797.0	0.0002100	4769.29248	4769.29248
4929.0	0.0002041	4767.95313	4767.95313
4887.0	0.0002041	4766.61914	4766.61914
4688.0	0.0002163	4765.29053	4765.29053
4754.0	0.0002100	4763.96729	4763.96729
4822.0	0.0002100	4762.64990	4762.64990
4863.0	0.0002041	4761.33740	4761.33740
4799.0	0.0002100	4760.03076	4760.03076
4884.0	0.0002041	4758.72900	4758.72900
4808.0	0.0002100	4757.43262	4757.43262
4847.0	0.0002041	4756.14209	4756.14209
4767.0	0.0002100	4754.85645	4754.85645
4682.0	0.0002163	4753.57617	4753.57617
4798.0	0.0002100	4752.30127	4752.30127
4760.0	0.0002100	4751.03125	4751.03125
4803.0	0.0002100	4749.76709	4749.76709
4785.0	0.0002100	4748.50732	4748.50732
4793.0	0.0002100	4747.25342	4747.25342
4823.0	0.0002100	4746.00439	4746.00439
4951.0	0.0002041	4744.76074	4744.76074
4879.0	0.0002041	4743.52246	4743.52246
4784.0	0.0002100	4742.28906	4742.28906
4844.0	0.0002041	4741.06055	4741.06055
4878.0	0.0002041	4739.83740	4739.83740
4667.0	0.0002163	4738.61914	4738.61914
4896.0	0.0002041	4737.40625	4737.40625
4760.0	0.0002100	4736.19824	4736.19824
4688.0	0.0002163	4734.99561	4734.99561
4731.0	0.0002100	4733.79736	4733.79736
4678.0	0.0002163	4732.60449	4732.60449
4728.0	0.0002100	4731.41650	4731.41650
4760.0	0.0002100	4730.23389	4730.23389
4786.0	0.0002100	4729.05566	4729.05566
4745.0	0.0002100	4727.88281	4727.88281
4698.0	0.0002100	4726.71484	4726.71484
4934.0	0.0002041	4725.55127	4725.55127
4769.0	0.0002100	4724.39307	4724.39307
4776.0	0.0002100	4723.23975	4723.23975
4800.0	0.0002100	4722.09082	4722.09082
4823.0	0.0002100	4720.94727	4720.94727
4726.0	0.0002100	4719.80859	4719.80859
4685.0	0.0002163	4718.67432	4718.67432

4714.0	0.0002100	4717.54492	4717.54492
4889.0	0.0002041	4716.42041	4716.42041
4805.0	0.0002100	4715.30078	4715.30078
4789.0	0.0002100	4714.18555	4714.18555
4741.0	0.0002100	4713.07520	4713.07520
4793.0	0.0002100	4711.96973	4711.96973
4700.0	0.0002100	4710.86865	4710.86865
4627.0	0.0002163	4709.77246	4709.77246
4722.0	0.0002100	4708.68066	4708.68066
4793.0	0.0002100	4707.59375	4707.59375
4812.0	0.0002100	4706.51123	4706.51123
4709.0	0.0002100	4705.43359	4705.43359
4665.0	0.0002163	4704.36084	4704.36084
4651.0	0.0002163	4703.29199	4703.29199
4778.0	0.0002100	4702.22803	4702.22803
4639.0	0.0002163	4701.16846	4701.16846
4670.0	0.0002163	4700.11328	4700.11328
4780.0	0.0002100	4699.06299	4699.06299
4551.0	0.0002228	4698.01709	4698.01709
4778.0	0.0002100	4696.97559	4696.97559
4697.0	0.0002100	4695.93848	4695.93848
4849.0	0.0002041	4694.90576	4694.90576
4686.0	0.0002163	4693.87793	4693.87793
4639.0	0.0002163	4692.85400	4695.42578
4731.0	0.0002100	4691.83447	4694.51025
4748.0	0.0002100	4690.81934	4693.60596
4688.0	0.0002163	4689.80859	4692.71289
4759.0	0.0002100	4688.80273	4691.83252
4833.0	0.0002041	4687.80078	4690.96436
4658.0	0.0002163	4686.80273	4690.10889
4783.0	0.0002100	4685.80957	4689.26855
4662.0	0.0002163	4684.82031	4688.44238
4695.0	0.0002100	4683.83545	4687.63281
4785.0	0.0002100	4682.85449	4686.84033
4673.0	0.0002163	4681.87842	4686.06689
4801.0	0.0002100	4680.90625	4685.31299
4696.0	0.0002100	4679.93799	4684.58057
4612.0	0.0002163	4678.97412	4683.87207
4645.0	0.0002163	4678.01465	4683.18994
4720.0	0.0002100	4677.05908	4682.53516
4741.0	0.0002100	4676.10791	4681.91211
4693.0	0.0002100	4675.16016	4681.32275
4733.0	0.0002100	4674.21729	4680.77295
4637.0	0.0002163	4673.27783	4680.26465
4788.0	0.0002100	4672.34277	4679.80469
4541.0	0.0002228	4671.41162	4679.39893
4564.0	0.0002163	4670.48486	4679.05469
4668.0	0.0002163	4669.56152	4678.77979
4845.0	0.0002041	4668.64258	4678.58545
4734.0	0.0002100	4667.72754	4678.48389
4717.0	0.0002100	4666.81641	4678.48975
4623.0	0.0002163	4665.90918	4678.62109
4677.0	0.0002163	4665.00586	4678.90137
4681.0	0.0002163	4664.10645	4679.35742

4725.0	0.0002100	4663.21143	4680.02490
4737.0	0.0002100	4662.31982	4680.94775
4678.0	0.0002163	4661.43213	4682.18213
4813.0	0.0002100	4660.54834	4683.80176
4892.0	0.0002041	4659.66797	4685.90186
4802.0	0.0002100	4658.79199	4688.61230
4753.0	0.0002100	4657.91943	4692.10498
4722.0	0.0002100	4657.05078	4696.62012
4348.0	0.0002296	4656.18604	4702.49561
4773.0	0.0002100	4655.32471	4710.22168
4820.0	0.0002100	4654.46729	4720.55127
5076.0	0.0001984	4653.61377	4734.79297
5029.0	0.0001984	4652.76367	4755.69824
4903.0	0.0002041	4651.91748	4789.93213
5065.0	0.0001984	4651.07471	4853.16357
5439.0	0.0001826	4650.23584	4975.95752
6164.0	0.0001602	4649.40039	5201.49658
6787.0	0.0001487	4648.56836	5562.34229
8201.0	0.0001208	4647.74023	6032.28955
8999.0	0.0001108	4646.91553	6454.28711
8779.0	0.0001132	4646.09473	6535.15137
7832.0	0.0001291	4645.27686	6198.24902
6952.0	0.0001452	4644.46289	5716.43848
6071.0	0.0001644	4643.65283	5307.47949
5581.0	0.0001778	4642.84570	5034.47168
5387.0	0.0001877	4642.04248	4878.90283
5082.0	0.0001984	4641.24219	4797.34961
5127.0	0.0001929	4640.44580	4753.69287
4993.0	0.0001984	4639.65283	4727.52979
4895.0	0.0002041	4638.86279	4709.73340
4753.0	0.0002100	4638.07666	4696.57520
4901.0	0.0002041	4637.29395	4686.39258
4655.0	0.0002163	4636.51416	4678.28711
4702.0	0.0002100	4635.73828	4671.69336
4694.0	0.0002100	4634.96533	4666.22705
4824.0	0.0002100	4634.19580	4661.61914
4862.0	0.0002041	4633.42969	4657.67480
4728.0	0.0002100	4632.66699	4654.25293
4703.0	0.0002100	4631.90723	4651.24561
4648.0	0.0002163	4631.15088	4648.57373
4790.0	0.0002100	4630.39746	4646.17432
4757.0	0.0002100	4629.64795	4644.00049
4656.0	0.0002163	4628.90088	4642.01270
4609.0	0.0002163	4628.15771	4640.18262
4706.0	0.0002100	4627.41748	4638.48486
4694.0	0.0002100	4626.68018	4636.89941
4621.0	0.0002163	4625.94629	4635.41113
4847.0	0.0002041	4625.21533	4634.00586
4749.0	0.0002100	4624.48730	4632.67334
4583.0	0.0002163	4623.76270	4631.40381
4581.0	0.0002163	4623.04150	4630.19092
4768.0	0.0002100	4622.32275	4629.02588
4660.0	0.0002163	4621.60742	4627.90479
4573.0	0.0002163	4620.89502	4626.82227

4741.0	0.0002100	4620.18555	4625.77441
4618.0	0.0002163	4619.47900	4624.75732
4703.0	0.0002100	4618.77588	4623.76904
4627.0	0.0002163	4618.07520	4622.80566
4662.0	0.0002163	4617.37793	4621.86572
4679.0	0.0002163	4616.68359	4620.94727
4697.0	0.0002100	4615.99170	4620.04736
4646.0	0.0002163	4615.30322	4619.16553
4643.0	0.0002163	4614.61768	4618.30029
4640.0	0.0002163	4613.93457	4617.44971
4778.0	0.0002100	4613.25439	4616.61328
4642.0	0.0002163	4612.57764	4615.79053
4743.0	0.0002100	4611.90332	4614.97949
4663.0	0.0002163	4611.23145	4614.17920
4746.0	0.0002100	4610.56299	4613.39063
4582.0	0.0002163	4609.89697	4612.61133
4625.0	0.0002163	4609.23389	4609.23389
4592.0	0.0002163	4608.57324	4608.57324
4668.0	0.0002163	4607.91553	4607.91553
4640.0	0.0002163	4607.26074	4607.26074
4628.0	0.0002163	4606.60840	4606.60840
4682.0	0.0002163	4605.95898	4605.95898
4526.0	0.0002228	4605.31201	4605.31201
4622.0	0.0002163	4604.66797	4604.66797
4627.0	0.0002163	4604.02637	4604.02637
4656.0	0.0002163	4603.38770	4603.38770
4624.0	0.0002163	4602.75146	4602.75146
4608.0	0.0002163	4602.11768	4602.11768
4656.0	0.0002163	4601.48633	4601.48633
4753.0	0.0002100	4600.85791	4600.85791
4515.0	0.0002228	4600.23193	4600.23193
4601.0	0.0002163	4599.60889	4599.60889
4554.0	0.0002228	4598.98779	4598.98779
4597.0	0.0002163	4598.36963	4598.36963
4574.0	0.0002163	4597.75342	4597.75342
4589.0	0.0002163	4597.14014	4597.14014
4597.0	0.0002163	4596.52930	4596.52930
4494.0	0.0002228	4595.92090	4595.92090
4522.0	0.0002228	4595.31494	4595.31494
4599.0	0.0002163	4594.71094	4594.71094
4643.0	0.0002163	4594.10986	4594.10986
4654.0	0.0002163	4593.51123	4593.51123
4658.0	0.0002163	4592.91455	4592.91455
4635.0	0.0002163	4592.32080	4592.32080
4626.0	0.0002163	4591.72900	4591.72900
4629.0	0.0002163	4591.13965	4591.13965
4684.0	0.0002163	4590.55225	4590.55225
4636.0	0.0002163	4589.96777	4589.96777
4627.0	0.0002163	4589.38525	4589.38525
4619.0	0.0002163	4588.80518	4588.80518
4608.0	0.0002163	4588.22705	4588.22705
4695.0	0.0002100	4587.65137	4587.65137
4597.0	0.0002163	4587.07813	4587.07813
4647.0	0.0002163	4586.50684	4586.50684

4583.0	0.0002163	4585.93750	4585.93750
4522.0	0.0002228	4585.37109	4585.37109
4613.0	0.0002163	4584.80615	4584.80615
4640.0	0.0002163	4584.24365	4584.24365
4589.0	0.0002163	4583.68311	4583.68311
4565.0	0.0002163	4583.12500	4583.12500
4559.0	0.0002163	4582.56885	4582.56885
4587.0	0.0002163	4582.01465	4582.01465
4606.0	0.0002163	4581.46289	4581.46289
4586.0	0.0002163	4580.91309	4580.91309
4623.0	0.0002163	4580.36475	4580.36475
4512.0	0.0002228	4579.81934	4579.81934
4555.0	0.0002228	4579.27539	4579.27539
4529.0	0.0002228	4578.73340	4578.73340
4686.0	0.0002163	4578.19385	4578.19385
4602.0	0.0002163	4577.65625	4577.65625
4549.0	0.0002228	4577.12012	4577.12012
4693.0	0.0002100	4576.58643	4576.58643
4563.0	0.0002163	4576.05420	4576.05420
4633.0	0.0002163	4575.52441	4575.52441
4558.0	0.0002163	4574.99609	4574.99609
4615.0	0.0002163	4574.47021	4574.47021
4609.0	0.0002163	4573.94580	4573.94580
4583.0	0.0002163	4573.42334	4573.42334
4583.0	0.0002163	4572.90283	4572.90283
4620.0	0.0002163	4572.38428	4572.38428
4662.0	0.0002163	4571.86719	4571.86719
4573.0	0.0002163	4571.35205	4571.35205
4615.0	0.0002163	4570.83887	4570.83887
4687.0	0.0002163	4570.32715	4570.32715
4620.0	0.0002163	4569.81738	4569.81738
4550.0	0.0002228	4569.30957	4569.30957
4639.0	0.0002163	4568.80322	4568.80322
4545.0	0.0002228	4568.29883	4568.29883
4528.0	0.0002228	4567.79590	4567.79590
4596.0	0.0002163	4567.29492	4567.29492
4615.0	0.0002163	4566.79541	4566.79541
4535.0	0.0002228	4566.29785	4566.29785
4481.0	0.0002228	4565.80176	4565.80176
4639.0	0.0002163	4565.30713	4565.30713
4591.0	0.0002163	4564.81445	4564.81445
4667.0	0.0002163	4564.32324	4592.68848
4582.0	0.0002163	4563.83350	4593.34961
4678.0	0.0002163	4563.34570	4594.08398
4546.0	0.0002228	4562.85938	4594.89697
4665.0	0.0002163	4562.37451	4595.79590
4679.0	0.0002163	4561.89111	4596.78760
4600.0	0.0002163	4561.40967	4597.88086
4617.0	0.0002163	4560.92920	4599.08447
4614.0	0.0002163	4560.45068	4600.40869
4546.0	0.0002228	4559.97314	4601.86475
4570.0	0.0002163	4559.49756	4603.46680
4633.0	0.0002163	4559.02344	4605.22803
4621.0	0.0002163	4558.55078	4607.16553

4657.0	0.0002163	4558.07910	4609.29736
4731.0	0.0002100	4557.60938	4611.64600
4648.0	0.0002163	4557.14063	4614.23389
4688.0	0.0002163	4556.67383	4617.08984
4564.0	0.0002163	4556.20801	4620.24561
4594.0	0.0002163	4555.74365	4623.73730
4633.0	0.0002163	4555.28076	4627.60791
4659.0	0.0002163	4554.81885	4631.90625
4700.0	0.0002100	4554.35889	4636.69092
4705.0	0.0002100	4553.89990	4642.02930
4694.0	0.0002100	4553.44189	4648.00098
4694.0	0.0002100	4552.98584	4654.70264
4728.0	0.0002100	4552.53076	4662.24658
4683.0	0.0002163	4552.07666	4670.76953
4613.0	0.0002163	4551.62451	4680.43848
4813.0	0.0002100	4551.17285	4691.45361
4665.0	0.0002163	4550.72314	4704.06445
4608.0	0.0002163	4550.27393	4718.57715
4615.0	0.0002163	4549.82666	4735.37939
4761.0	0.0002100	4549.37988	4754.95703
4667.0	0.0002163	4548.93506	4777.93555
4762.0	0.0002100	4548.49072	4805.12061
4836.0	0.0002041	4548.04785	4837.57422
4857.0	0.0002041	4547.60596	4876.70703
4901.0	0.0002041	4547.16553	4924.43262
4911.0	0.0002041	4546.72607	4983.38770
4925.0	0.0002041	4546.28760	5057.29053
5112.0	0.0001929	4545.85010	5151.55078
5207.0	0.0001929	4545.41406	5274.52979
5467.0	0.0001826	4544.97852	5440.85498
5702.0	0.0001731	4544.54443	5681.00732
6058.0	0.0001644	4544.11133	6065.77295
6937.0	0.0001452	4543.67969	6752.03271
8099.0	0.0001235	4543.24854	8028.07178
10316.0	0.0000961	4542.81836	10279.98633
14024.0	0.0000718	4542.38916	13781.49121
18993.0	0.0000525	4541.96143	18267.23633
23212.0	0.0000433	4541.53418	22237.23828
23156.0	0.0000433	4541.10791	22924.68750
19807.0	0.0000503	4540.68311	19686.78125
15629.0	0.0000640	4540.25879	15120.00488
11625.0	0.0000857	4539.83545	11238.49414
9113.0	0.0001108	4539.41309	8608.06250
7370.0	0.0001352	4538.99121	7067.22607
6339.0	0.0001562	4538.57080	6232.58350
5802.0	0.0001731	4538.15088	5774.79395
5623.0	0.0001778	4537.73193	5498.98193
5285.0	0.0001877	4537.31396	5313.13281
5132.0	0.0001929	4536.89697	5177.73291
5046.0	0.0001984	4536.48047	5074.70117
4918.0	0.0002041	4536.06494	4994.24072
4854.0	0.0002041	4535.64990	4930.20361
4803.0	0.0002100	4535.23584	4878.42529
4864.0	0.0002041	4534.82275	4835.97510

4703.0	0.0002100	4534.41016	4800.74170
4786.0	0.0002100	4533.99854	4771.17529
4778.0	0.0002100	4533.58740	4746.11768
4508.0	0.0002228	4533.17725	4724.69092
4802.0	0.0002100	4532.76758	4706.21875
4659.0	0.0002163	4532.35889	4690.17578
4647.0	0.0002163	4531.95068	4676.14648
4670.0	0.0002163	4531.54346	4663.80176
4583.0	0.0002163	4531.13623	4652.87451
4577.0	0.0002163	4530.73047	4643.15186
4612.0	0.0002163	4530.32471	4634.45605
4553.0	0.0002228	4529.91992	4626.64258
4624.0	0.0002163	4529.51563	4619.59131
4592.0	0.0002163	4529.11182	4613.20068
4588.0	0.0002163	4528.70898	4607.38770
4591.0	0.0002163	4528.30664	4602.07959
4635.0	0.0002163	4527.90479	4597.21582
4651.0	0.0002163	4527.50342	4592.74463
4557.0	0.0002163	4527.10254	4588.62158
4644.0	0.0002163	4526.70215	4584.80859
4545.0	0.0002228	4526.30273	4581.27197
4519.0	0.0002228	4525.90381	4577.98291
4589.0	0.0002163	4525.50488	4574.91553
4606.0	0.0002163	4525.10693	4572.04883
4546.0	0.0002228	4524.70898	4569.36230
4494.0	0.0002228	4524.31201	4566.83984
4511.0	0.0002228	4523.91504	4564.46533
4614.0	0.0002163	4523.51904	4562.22656
4599.0	0.0002163	4523.12305	4560.11084
4634.0	0.0002163	4522.72803	4558.10742
4582.0	0.0002163	4522.33301	4556.20703
4618.0	0.0002163	4521.93799	4554.40039
4478.0	0.0002228	4521.54395	4552.68115
4406.0	0.0002296	4521.15039	4551.04199
4514.0	0.0002228	4520.75684	4520.75684
4514.0	0.0002228	4520.36377	4520.36377
4489.0	0.0002228	4519.97119	4519.97119
4572.0	0.0002163	4519.57861	4519.57861
4560.0	0.0002163	4519.18701	4519.18701
4604.0	0.0002163	4518.79492	4518.79492
4549.0	0.0002228	4518.40381	4518.40381
4520.0	0.0002228	4518.01270	4518.01270
4500.0	0.0002228	4517.62207	4517.62207
4469.0	0.0002228	4517.23145	4517.23145
4541.0	0.0002228	4516.84131	4516.84131
4499.0	0.0002228	4516.45117	4516.45117
4535.0	0.0002228	4516.06152	4516.06152
4515.0	0.0002228	4515.67188	4515.67188
4517.0	0.0002228	4515.28271	4515.28271
4461.0	0.0002228	4514.89355	4514.89355
4439.0	0.0002228	4514.50488	4514.50488
4628.0	0.0002163	4514.11621	4514.11621
4489.0	0.0002228	4513.72803	4513.72803
4485.0	0.0002228	4513.33936	4513.33936



4575.0	0.0002163	4512.95117	4512.95117
4502.0	0.0002228	4512.56348	4512.56348
4620.0	0.0002163	4512.17578	4512.17578
4433.0	0.0002228	4511.78809	4511.78809
4441.0	0.0002228	4511.40039	4511.40039
4391.0	0.0002296	4511.01318	4511.01318
4479.0	0.0002228	4510.62549	4510.62549
4556.0	0.0002228	4510.23828	4510.23828
4517.0	0.0002228	4509.85107	4509.85107
4546.0	0.0002228	4509.46387	4509.46387
4472.0	0.0002228	4509.07715	4509.07715
4428.0	0.0002228	4508.68994	4508.68994
4530.0	0.0002228	4508.30322	4508.30322
4379.0	0.0002296	4507.91650	4507.91650
4433.0	0.0002228	4507.52930	4507.52930
4498.0	0.0002228	4507.14258	4507.14258
4470.0	0.0002228	4506.75586	4506.75586
4431.0	0.0002228	4506.36865	4506.36865
4612.0	0.0002163	4505.98193	4505.98193
4433.0	0.0002228	4505.59521	4505.59521
4443.0	0.0002228	4505.20801	4505.20801
4505.0	0.0002228	4504.82129	4504.82129
4358.0	0.0002296	4504.43408	4504.43408
4495.0	0.0002228	4504.04688	4504.04688
4479.0	0.0002228	4503.66016	4503.66016
4542.0	0.0002228	4503.27295	4503.27295
4383.0	0.0002296	4502.88525	4502.88525
4492.0	0.0002228	4502.49805	4502.49805
4421.0	0.0002296	4502.11035	4502.11035
4452.0	0.0002228	4501.72266	4501.72266
4581.0	0.0002163	4501.33496	4501.33496
4406.0	0.0002296	4500.94678	4500.94678
4491.0	0.0002228	4500.55859	4500.55859
4547.0	0.0002228	4500.17090	4500.17090
4427.0	0.0002228	4499.78223	4499.78223
4343.0	0.0002296	4499.39355	4499.39355
4511.0	0.0002228	4499.00488	4499.00488
4493.0	0.0002228	4498.61572	4498.61572
4496.0	0.0002228	4498.22656	4498.22656
4421.0	0.0002296	4497.83740	4497.83740
4501.0	0.0002228	4497.44775	4497.44775
4552.0	0.0002228	4497.05811	4497.05811
4416.0	0.0002296	4496.66797	4496.66797
4529.0	0.0002228	4496.27734	4496.27734
4400.0	0.0002296	4495.88672	4495.88672
4488.0	0.0002228	4495.49609	4495.49609
4503.0	0.0002228	4495.10498	4495.10498
4499.0	0.0002228	4494.71338	4494.71338
4508.0	0.0002228	4494.32178	4494.32178
4543.0	0.0002228	4493.92969	4493.92969
4518.0	0.0002228	4493.53760	4493.53760
4416.0	0.0002296	4493.14502	4493.14502
4599.0	0.0002163	4492.75195	4492.75195
4553.0	0.0002228	4492.35840	4492.35840

4452.0	0.0002228	4491.96484	4491.96484
4423.0	0.0002228	4491.57080	4491.57080
4600.0	0.0002163	4491.17676	4491.17676
4436.0	0.0002228	4490.78174	4490.78174
4419.0	0.0002296	4490.38672	4490.38672
4380.0	0.0002296	4489.99121	4489.99121
4421.0	0.0002296	4489.59521	4489.59521
4423.0	0.0002228	4489.19873	4489.19873
4434.0	0.0002228	4488.80225	4488.80225
4526.0	0.0002228	4488.40479	4488.40479
4599.0	0.0002163	4488.00732	4488.00732
4454.0	0.0002228	4487.60938	4487.60938
4440.0	0.0002228	4487.21094	4487.21094
4462.0	0.0002228	4486.81201	4486.81201
4411.0	0.0002296	4486.41260	4486.41260
4405.0	0.0002296	4486.01270	4486.01270
4528.0	0.0002228	4485.61230	4485.61230
4412.0	0.0002296	4485.21143	4485.21143
4465.0	0.0002228	4484.81006	4484.81006
4441.0	0.0002228	4484.40820	4484.40820
4474.0	0.0002228	4484.00586	4484.00586
4541.0	0.0002228	4483.60303	4483.60303
4378.0	0.0002296	4483.19971	4483.19971
4541.0	0.0002228	4482.79590	4482.79590
4484.0	0.0002228	4482.39111	4482.39111
4419.0	0.0002296	4481.98633	4481.98633
4383.0	0.0002296	4481.58057	4481.58057
4388.0	0.0002296	4481.17432	4481.17432
4390.0	0.0002296	4480.76758	4480.76758
4397.0	0.0002296	4480.36035	4480.36035
4453.0	0.0002228	4479.95264	4479.95264
4416.0	0.0002296	4479.54395	4479.54395
4402.0	0.0002296	4479.13477	4479.13477
4391.0	0.0002296	4478.72510	4478.72510
4503.0	0.0002228	4478.31445	4478.31445
4461.0	0.0002228	4477.90381	4477.90381
4555.0	0.0002228	4477.49219	4477.49219
4435.0	0.0002228	4477.07959	4477.07959
4355.0	0.0002296	4476.66699	4476.66699
4424.0	0.0002228	4476.25342	4476.25342
4418.0	0.0002296	4475.83887	4475.83887
4377.0	0.0002296	4475.42383	4475.42383
4371.0	0.0002296	4475.00830	4475.00830
4297.0	0.0002296	4474.59229	4474.59229
4375.0	0.0002296	4474.17529	4474.17529
4418.0	0.0002296	4473.75732	4473.75732
4363.0	0.0002296	4473.33887	4473.33887
4232.0	0.0002367	4472.91943	4472.91943
4408.0	0.0002296	4472.50000	4472.50000
4439.0	0.0002228	4472.07910	4472.07910
4363.0	0.0002296	4471.65771	4471.65771
4364.0	0.0002296	4471.23584	4471.23584
4479.0	0.0002228	4470.81299	4470.81299
4414.0	0.0002296	4470.38916	4470.38916

4321.0	0.0002296	4469.96484	4469.96484
4406.0	0.0002296	4469.53955	4469.53955
4364.0	0.0002296	4469.11377	4469.11377
4337.0	0.0002296	4468.68701	4468.68701
4469.0	0.0002228	4468.25928	4468.25928
4423.0	0.0002228	4467.83105	4467.83105
4398.0	0.0002296	4467.40186	4467.40186
4378.0	0.0002296	4466.97168	4466.97168
4396.0	0.0002296	4466.54102	4466.54102
4360.0	0.0002296	4466.10938	4466.10938
4570.0	0.0002163	4465.67676	4465.67676
4421.0	0.0002296	4465.24365	4465.24365
4462.0	0.0002228	4464.80957	4464.80957
4395.0	0.0002296	4464.37451	4464.37451
4391.0	0.0002296	4463.93848	4463.93848
4430.0	0.0002228	4463.50146	4463.50146
4518.0	0.0002228	4463.06396	4463.06396
4268.0	0.0002367	4462.62549	4462.62549
4291.0	0.0002296	4462.18604	4462.18604
4374.0	0.0002296	4461.74561	4461.74561
4439.0	0.0002228	4461.30469	4461.30469
4429.0	0.0002228	4460.86230	4460.86230
4365.0	0.0002296	4460.41943	4460.41943
4412.0	0.0002296	4459.97510	4459.97510
4577.0	0.0002163	4459.53027	4459.53027
4550.0	0.0002228	4459.08447	4459.08447
4436.0	0.0002228	4458.63770	4458.63770
4449.0	0.0002228	4458.18994	4458.18994
4396.0	0.0002296	4457.74121	4457.74121
4350.0	0.0002296	4457.29150	4457.29150
4255.0	0.0002367	4456.84082	4456.84082
4276.0	0.0002367	4456.38916	4456.38916
4498.0	0.0002228	4455.93652	4455.93652
4409.0	0.0002296	4455.48291	4455.48291
4430.0	0.0002228	4455.02832	4455.02832
4287.0	0.0002367	4454.57324	4454.57324
4343.0	0.0002296	4454.11621	4454.11621
4391.0	0.0002296	4453.65869	4453.65869
4591.0	0.0002163	4453.20020	4453.20020
4365.0	0.0002296	4452.74072	4452.74072
4240.0	0.0002367	4452.27979	4452.27979
4539.0	0.0002228	4451.81836	4451.81836
4463.0	0.0002228	4451.35547	4451.35547
4256.0	0.0002367	4450.89209	4450.89209
4463.0	0.0002228	4450.42725	4450.42725
4455.0	0.0002228	4449.96094	4449.96094
4256.0	0.0002367	4449.49414	4449.49414
4342.0	0.0002296	4449.02637	4449.02637
4316.0	0.0002296	4448.55713	4448.55713
4515.0	0.0002228	4448.08691	4448.08691
4413.0	0.0002296	4447.61572	4447.61572
4409.0	0.0002296	4447.14307	4447.14307
4382.0	0.0002296	4446.66992	4446.66992
4468.0	0.0002228	4446.19531	4446.19531

4519.0	0.0002228	4445.71973	4445.71973
4447.0	0.0002228	4445.24268	4445.24268
4433.0	0.0002228	4444.76514	4444.76514
4455.0	0.0002228	4444.28613	4444.28613
4363.0	0.0002296	4443.80566	4443.80566
4464.0	0.0002228	4443.32471	4443.32471
4425.0	0.0002228	4442.84229	4442.84229
4286.0	0.0002367	4442.35840	4442.35840
4398.0	0.0002296	4441.87402	4441.87402
4439.0	0.0002228	4441.38818	4441.38818
4331.0	0.0002296	4440.90088	4440.90088
4274.0	0.0002367	4440.41260	4440.41260
4453.0	0.0002228	4439.92334	4439.92334
4411.0	0.0002296	4439.43262	4439.43262
4469.0	0.0002228	4438.94092	4438.94092
4468.0	0.0002228	4438.44824	4438.44824
4494.0	0.0002228	4437.95410	4437.95410
4345.0	0.0002296	4437.45850	4437.45850
4324.0	0.0002296	4436.96240	4436.96240
4527.0	0.0002228	4436.46436	4436.46436
4416.0	0.0002296	4435.96533	4435.96533
4467.0	0.0002228	4435.46533	4435.46533
4408.0	0.0002296	4434.96387	4434.96387
4310.0	0.0002296	4434.46143	4434.46143
4414.0	0.0002296	4433.95752	4433.95752
4431.0	0.0002228	4433.45264	4433.45264
4399.0	0.0002296	4432.94629	4432.94629
4434.0	0.0002228	4432.43848	4432.43848
4443.0	0.0002228	4431.92969	4431.92969
4419.0	0.0002296	4431.41992	4431.41992
4431.0	0.0002228	4430.90869	4430.90869
4400.0	0.0002296	4430.39600	4440.42822
4395.0	0.0002296	4429.88232	4440.31494
4486.0	0.0002228	4429.36719	4440.22461
4492.0	0.0002228	4428.85059	4440.15869
4452.0	0.0002228	4428.33301	4440.12109
4502.0	0.0002228	4427.81396	4440.11279
4364.0	0.0002296	4427.29395	4440.13770
4486.0	0.0002228	4426.77197	4440.19727
4435.0	0.0002228	4426.24951	4440.29736
4441.0	0.0002228	4425.72510	4440.43896
4352.0	0.0002296	4425.19971	4440.62842
4441.0	0.0002228	4424.67285	4440.86963
4392.0	0.0002296	4424.14502	4441.16895
4468.0	0.0002228	4423.61523	4441.53076
4407.0	0.0002296	4423.08447	4441.96338
4442.0	0.0002228	4422.55273	4442.47510
4381.0	0.0002296	4422.01904	4443.07324
4414.0	0.0002296	4421.48438	4443.76953
4432.0	0.0002228	4420.94824	4444.57520
4379.0	0.0002296	4420.41113	4445.50488
4518.0	0.0002228	4419.87207	4446.57275
4443.0	0.0002228	4419.33203	4447.79883
4491.0	0.0002228	4418.79053	4449.20410

4348.0	0.0002296	4418.24756	4450.81396
4575.0	0.0002163	4417.70313	4452.65869
4381.0	0.0002296	4417.15771	4454.77393
4421.0	0.0002296	4416.61084	4457.20215
4409.0	0.0002296	4416.06250	4459.99512
4365.0	0.0002296	4415.51270	4463.21436
4401.0	0.0002296	4414.96143	4466.93604
4511.0	0.0002228	4414.40869	4471.25342
4367.0	0.0002296	4413.85498	4476.28369
4507.0	0.0002228	4413.29980	4482.17139
4432.0	0.0002228	4412.74316	4489.10059
4356.0	0.0002296	4412.18457	4497.30615
4502.0	0.0002228	4411.62549	4507.09570
4467.0	0.0002228	4411.06445	4518.86865
4572.0	0.0002163	4410.50195	4533.16113
4575.0	0.0002163	4409.93799	4550.69824
4622.0	0.0002163	4409.37305	4572.48242
4671.0	0.0002163	4408.80615	4599.93408
4646.0	0.0002163	4408.23828	4635.15820
4650.0	0.0002163	4407.66846	4681.54980
4810.0	0.0002100	4407.09766	4757.29834
4853.0	0.0002041	4406.52539	4852.13623
5152.0	0.0001929	4405.95166	5005.37744
5479.0	0.0001826	4405.37598	5270.31934
5965.0	0.0001687	4404.79932	5729.60938
6832.0	0.0001452	4404.22119	6474.43652
8205.0	0.0001208	4403.64160	7544.23535
9515.0	0.0001041	4403.06055	8810.09668
10319.0	0.0000961	4402.47803	9783.83008
10033.0	0.0001000	4401.89404	9755.63379
9046.0	0.0001108	4401.30859	8750.91895
7860.0	0.0001262	4400.72168	7487.38037
6822.0	0.0001452	4400.13281	6432.72119
5969.0	0.0001687	4399.54297	5703.78564
5492.0	0.0001826	4398.95166	5256.58398
5163.0	0.0001929	4398.35889	4999.32129
4945.0	0.0002041	4397.76416	4850.57031
4847.0	0.0002041	4397.16846	4758.47803
4684.0	0.0002163	4396.57080	4696.16309
4693.0	0.0002100	4395.97217	4651.02783
4607.0	0.0002163	4395.37158	4617.02295
4536.0	0.0002228	4394.77002	4590.86279
4618.0	0.0002163	4394.16650	4570.51123
4484.0	0.0002228	4393.56152	4554.60400
4494.0	0.0002228	4392.95508	4542.19336
4494.0	0.0002228	4392.34717	4532.60889
4531.0	0.0002228	4391.73779	4525.37646
4566.0	0.0002163	4391.12646	4520.16455
4487.0	0.0002228	4390.51416	4516.75195
4431.0	0.0002228	4389.89990	4514.99902
4450.0	0.0002228	4389.28418	4514.84521
4591.0	0.0002163	4388.66748	4516.29395
4414.0	0.0002296	4388.04883	4519.41699
4521.0	0.0002228	4387.42871	4524.35742

4540.0	0.0002228	4386.80664	4531.34570
4540.0	0.0002228	4386.18359	4540.71729
4460.0	0.0002228	4385.55859	4552.94580
4431.0	0.0002228	4384.93213	4568.69043
4498.0	0.0002228	4384.30420	4588.87695
4505.0	0.0002228	4383.67480	4614.81396
4583.0	0.0002163	4383.04395	4648.40137
4608.0	0.0002163	4382.41113	4692.56201
4709.0	0.0002100	4381.77686	4752.29980
4751.0	0.0002100	4381.14111	4837.42041
4954.0	0.0002041	4380.50391	4968.70508
5118.0	0.0001929	4379.86523	5188.44580
5596.0	0.0001778	4379.22461	5570.55908
6041.0	0.0001644	4378.58252	6215.33350
7035.0	0.0001417	4377.93896	7209.67822
8237.0	0.0001208	4377.29395	8539.59766
9042.0	0.0001108	4376.64746	9923.16992
9400.0	0.0001063	4375.99902	10639.39258
8800.0	0.0001132	4375.34912	10096.32617
7968.0	0.0001262	4374.69775	8755.60352
7162.0	0.0001384	4374.04443	7386.58691
6292.0	0.0001602	4373.38965	6333.01074
5880.0	0.0001687	4372.73340	5636.33984
5400.0	0.0001877	4372.07568	5218.03418
5144.0	0.0001929	4371.41602	4976.20410
5024.0	0.0001984	4370.75537	4821.47168
4823.0	0.0002100	4370.09229	4728.40674
4638.0	0.0002163	4369.42822	4662.85889
4541.0	0.0002228	4368.76270	4613.83691
4542.0	0.0002228	4368.09521	4575.82324
4637.0	0.0002163	4367.42578	4545.64941
4446.0	0.0002228	4366.75537	4521.27051
4504.0	0.0002228	4366.08301	4501.27539
4582.0	0.0002163	4365.40918	4484.65527
4523.0	0.0002228	4364.73340	4470.67334
4457.0	0.0002228	4364.05615	4458.78271
4472.0	0.0002228	4363.37744	4448.56885
4449.0	0.0002228	4362.69727	4439.71533
4358.0	0.0002296	4362.01514	4431.97559
4368.0	0.0002296	4361.33154	4425.15723
4500.0	0.0002228	4360.64648	4419.10645
4498.0	0.0002228	4359.95947	4413.69971
4503.0	0.0002228	4359.27100	4413.37402
4425.0	0.0002228	4358.58057	4409.09912
4362.0	0.0002296	4357.88867	4405.22705
4430.0	0.0002228	4357.19531	4401.70313
4473.0	0.0002228	4356.50049	4398.48096
4364.0	0.0002296	4355.80371	4395.52295
4444.0	0.0002228	4355.10547	4392.79590
4370.0	0.0002296	4354.40527	4390.27295
4383.0	0.0002296	4353.70361	4387.93164
4466.0	0.0002228	4353.00049	4385.75195
4393.0	0.0002296	4352.29541	4383.71631
4411.0	0.0002296	4351.58887	4381.81055

4382.0	0.0002296	4350.88086	4380.02246
4393.0	0.0002296	4350.17090	4378.34131
4308.0	0.0002296	4349.45947	4376.75684
4391.0	0.0002296	4348.74609	4375.26172
4337.0	0.0002296	4348.03125	4373.84912
4424.0	0.0002228	4347.31494	4372.51270
4386.0	0.0002296	4346.59668	4371.24756
4437.0	0.0002228	4345.87695	4370.04834
4374.0	0.0002296	4345.15576	4372.36914
4343.0	0.0002296	4344.43262	4371.38623
4398.0	0.0002296	4343.70752	4370.46436
4402.0	0.0002296	4342.98145	4369.60254
4389.0	0.0002296	4342.25342	4368.79688
4406.0	0.0002296	4341.52344	4368.04932
4394.0	0.0002296	4340.79199	4355.36865
4395.0	0.0002296	4340.05908	4355.18945
4414.0	0.0002296	4339.32422	4355.04102
4328.0	0.0002296	4338.58789	4354.92627
4453.0	0.0002228	4337.84961	4354.84814
4359.0	0.0002296	4337.11035	4354.81104
4364.0	0.0002296	4336.36865	4354.81689
4406.0	0.0002296	4335.62549	4354.87061
4369.0	0.0002296	4334.88086	4354.97705
4305.0	0.0002296	4334.13428	4355.14014
4398.0	0.0002296	4333.38623	4355.36670
4356.0	0.0002296	4332.63672	4355.66309
4425.0	0.0002228	4331.88525	4356.03564
4357.0	0.0002296	4331.13184	4356.49316
4424.0	0.0002228	4330.37744	4357.04541
4378.0	0.0002296	4329.62061	4357.70215
4381.0	0.0002296	4328.86230	4358.47510
4432.0	0.0002228	4328.10254	4359.37939
4354.0	0.0002296	4327.34131	4360.43115
4379.0	0.0002296	4326.57813	4361.64844
4349.0	0.0002296	4325.81299	4363.05176
4430.0	0.0002228	4325.04639	4364.66797
4406.0	0.0002296	4324.27832	4366.52686
4423.0	0.0002228	4323.50830	4368.66260
4449.0	0.0002228	4322.73682	4371.11816
4433.0	0.0002228	4321.96338	4373.94238
4398.0	0.0002296	4321.18848	4377.19678
4494.0	0.0002228	4320.41162	4380.95313
4433.0	0.0002228	4319.63330	4385.30273
4299.0	0.0002296	4318.85303	4390.35498
4349.0	0.0002296	4318.07178	4396.24902
4490.0	0.0002228	4317.28809	4403.15576
4434.0	0.0002228	4316.50293	4411.29785
4472.0	0.0002228	4315.71631	4420.95996
4553.0	0.0002228	4314.92773	4432.51074
4514.0	0.0002228	4314.13770	4446.44141
4577.0	0.0002163	4313.34570	4463.41357
4632.0	0.0002163	4312.55225	4484.33105
4662.0	0.0002163	4311.75684	4510.46826
4675.0	0.0002163	4310.95996	4543.69922

4654.0	0.0002163	4310.16113	4587.02197
4922.0	0.0002041	4309.36084	4645.87158
5086.0	0.0001984	4308.55908	4731.22754
5172.0	0.0001929	4307.75537	4865.60254
5667.0	0.0001778	4306.94971	5090.92334
6241.0	0.0001602	4306.14258	5471.70654
7234.0	0.0001384	4305.33398	6081.73779
8702.0	0.0001156	4304.52344	6961.26758
10221.0	0.0000980	4303.71143	8037.91553
11115.0	0.0000907	4302.89746	8977.47266
10760.0	0.0000925	4302.08203	9185.02832
9808.0	0.0001020	4301.26465	8486.95605
8512.0	0.0001181	4300.44580	7414.54346
7356.0	0.0001352	4299.62549	6442.74268
6529.0	0.0001524	4298.80322	5732.29883
5837.0	0.0001731	4297.97900	5276.64355
5529.0	0.0001826	4297.15332	5009.55322
5196.0	0.0001929	4296.32617	4860.51953
5229.0	0.0001929	4295.49707	4779.01270
4984.0	0.0001984	4294.66602	4736.92725
5073.0	0.0001984	4293.83398	4721.91553
5198.0	0.0001929	4293.00000	4731.42041
5283.0	0.0001877	4292.16406	4771.13281
5559.0	0.0001778	4291.32666	4857.90381
5923.0	0.0001687	4290.48730	5024.57520
6512.0	0.0001524	4289.64648	5320.27002
7300.0	0.0001384	4288.80371	5796.78613
8061.0	0.0001235	4287.95947	6473.90137
9049.0	0.0001108	4287.11377	7271.68262
9874.0	0.0001020	4286.26611	7897.45850
10335.0	0.0000961	4285.41650	7916.29248
10080.0	0.0001000	4284.56543	7305.67188
9194.0	0.0001085	4283.71289	6492.09912
8280.0	0.0001208	4282.85840	5785.80811
7180.0	0.0001384	4282.00244	5277.83740
6378.0	0.0001562	4281.14453	4951.16553
5703.0	0.0001731	4280.28516	4754.52539
5335.0	0.0001877	4279.42432	4636.87891
5210.0	0.0001929	4278.56152	4562.64990
4944.0	0.0002041	4277.69678	4511.80615
4747.0	0.0002100	4276.83057	4474.36816
4708.0	0.0002100	4275.96289	4445.44434
4620.0	0.0002163	4275.09326	4422.41943
4574.0	0.0002163	4274.22217	4403.70850
4567.0	0.0002163	4273.34912	4388.24805
4469.0	0.0002228	4272.47461	4375.29248
4500.0	0.0002228	4271.59814	4364.29883
4511.0	0.0002228	4270.72021	4354.86328
4434.0	0.0002228	4269.84082	4346.68457
4334.0	0.0002296	4268.95947	4339.52930
4397.0	0.0002296	4268.07666	4333.21973
4495.0	0.0002228	4267.19189	4327.61572
4501.0	0.0002228	4266.30518	4322.60449
4374.0	0.0002296	4265.41748	4318.10059



4331.0	0.0002296	4264.52783	4314.03125
4400.0	0.0002296	4263.63623	4310.34082
4325.0	0.0002296	4262.74316	4306.98242
4463.0	0.0002228	4261.84863	4303.91992
4437.0	0.0002228	4260.95215	4301.12354
4168.0	0.0002367	4260.05420	4298.57031
4383.0	0.0002296	4259.15430	4296.24414
4249.0	0.0002367	4258.25293	4294.13330
4338.0	0.0002296	4257.35010	4292.23145
4292.0	0.0002296	4256.44531	4290.53662
4305.0	0.0002296	4255.53906	4289.05518
4279.0	0.0002367	4254.63086	4287.79785
4383.0	0.0002296	4253.72119	4286.78760
4290.0	0.0002367	4252.81006	4286.05322
4389.0	0.0002296	4251.89697	4285.64404
4292.0	0.0002296	4250.98193	4285.62500
4426.0	0.0002228	4250.06592	4286.09814
4342.0	0.0002296	4249.14746	4287.20850
4349.0	0.0002296	4248.22803	4289.20020
4336.0	0.0002296	4247.30664	4292.51074
4391.0	0.0002296	4246.38379	4298.01807
4448.0	0.0002228	4245.45947	4307.50000
4395.0	0.0002296	4244.53271	4324.21387
4459.0	0.0002228	4243.60498	4353.15088
4555.0	0.0002228	4242.67529	4400.04199
4562.0	0.0002163	4241.74414	4468.37500
4955.0	0.0002041	4240.81104	4553.47021
5092.0	0.0001984	4239.87646	4631.38721
5025.0	0.0001984	4238.94043	4655.70215
5112.0	0.0001929	4238.00293	4605.46094
4781.0	0.0002100	4237.06299	4518.41553
4879.0	0.0002041	4236.12207	4430.85010
4552.0	0.0002228	4235.17920	4367.86035
4672.0	0.0002163	4234.23486	4325.66699
4506.0	0.0002228	4233.28857	4299.52979
4306.0	0.0002296	4232.34082	4283.75830
4346.0	0.0002296	4231.39209	4273.93896
4555.0	0.0002228	4230.44092	4267.39355
4448.0	0.0002228	4229.48828	4262.73779
4396.0	0.0002296	4228.53418	4259.30322
4523.0	0.0002228	4227.57813	4256.76611
4372.0	0.0002296	4226.62061	4254.96240
4364.0	0.0002296	4225.66162	4253.81396
4220.0	0.0002367	4224.70068	4253.30371
4292.0	0.0002296	4223.73877	4253.47119
4286.0	0.0002367	4222.77490	4254.41553
4191.0	0.0002367	4221.80908	4256.32861
4419.0	0.0002296	4220.84180	4259.56641
4384.0	0.0002296	4219.87305	4264.83350
4332.0	0.0002296	4218.90234	4273.57715
4287.0	0.0002367	4217.93018	4288.62988
4376.0	0.0002296	4216.95654	4311.35449
4299.0	0.0002296	4215.98145	4355.35742
4203.0	0.0002367	4215.00439	4423.34570

4664.0	0.0002163	4214.02588	4516.48438
4648.0	0.0002163	4213.04590	4621.48926
4616.0	0.0002163	4212.06396	4696.58496
4650.0	0.0002163	4211.08057	4688.25146
4594.0	0.0002163	4210.09570	4602.45117
4417.0	0.0002296	4209.10938	4495.03320
4341.0	0.0002296	4208.12109	4402.97656
4440.0	0.0002228	4207.13135	4336.49170
4256.0	0.0002367	4206.14014	4293.19336
4368.0	0.0002296	4205.14746	4266.52930
4233.0	0.0002367	4204.15283	4250.08545
4295.0	0.0002296	4203.15674	4239.34521
4282.0	0.0002367	4202.15869	4231.71631
4195.0	0.0002367	4201.15967	4225.88135
4237.0	0.0002367	4200.15869	4221.18311
4208.0	0.0002367	4199.15625	4217.27051
4178.0	0.0002367	4198.15234	4213.93066
4249.0	0.0002367	4197.14697	4211.02051
4217.0	0.0002367	4196.13965	4208.43994
4085.0	0.0002441	4195.13086	4206.11670
4165.0	0.0002367	4194.12061	4203.99707
4220.0	0.0002367	4193.10840	4202.03955
4267.0	0.0002367	4192.09473	4200.21338
4175.0	0.0002367	4191.07959	4198.49512
4182.0	0.0002367	4190.06348	4196.86621
4188.0	0.0002367	4189.04541	4195.31006
4161.0	0.0002367	4188.02539	4193.81592
4146.0	0.0002441	4187.00391	4192.37354
4222.0	0.0002367	4185.98096	4190.97559
4074.0	0.0002441	4184.95654	4189.61523
4258.0	0.0002367	4183.93066	4188.28760
4121.0	0.0002441	4182.90332	4186.98779
4272.0	0.0002367	4181.87402	4185.71143
4209.0	0.0002367	4180.84375	4184.45654
4218.0	0.0002367	4179.81152	4183.21973
4117.0	0.0002441	4178.77783	4181.99902
4283.0	0.0002367	4177.74219	4180.79150
4080.0	0.0002441	4176.70557	4179.59717
4041.0	0.0002441	4175.66699	4178.41260
4108.0	0.0002441	4174.62695	4177.23828
4195.0	0.0002367	4173.58594	4176.07275
4160.0	0.0002441	4172.54297	4174.91455
4103.0	0.0002441	4171.49854	4173.76270
4153.0	0.0002441	4170.45264	4172.61670
4260.0	0.0002367	4169.40479	4171.47510
4239.0	0.0002367	4168.35596	4170.33936
4156.0	0.0002441	4167.30518	4169.20654
4238.0	0.0002367	4166.25293	4168.07764
4089.0	0.0002441	4165.19971	4166.95264
4250.0	0.0002367	4164.14453	4165.83008
4157.0	0.0002441	4163.08789	4164.32129
4185.0	0.0002367	4162.02979	4163.21338
3891.0	0.0002601	4160.97021	4162.10645
4315.0	0.0002296	4159.90869	4161.00098

4172.0	0.0002367	4158.84619	4159.89648
4076.0	0.0002441	4157.78174	4158.79248
4149.0	0.0002441	4156.71631	4157.68994
4042.0	0.0002441	4155.64941	4156.58789
4098.0	0.0002441	4154.58057	4155.48535
4135.0	0.0002441	4153.51025	4154.38379
4292.0	0.0002296	4152.43896	4153.28223
4183.0	0.0002367	4151.36572	4152.18066
4094.0	0.0002441	4150.29102	4151.07861
4356.0	0.0002296	4149.21484	4149.97705
4267.0	0.0002367	4148.13721	4148.87451
4111.0	0.0002441	4147.05859	4147.77295
4228.0	0.0002367	4145.97803	4146.66992
4129.0	0.0002441	4144.89600	4145.56689
4183.0	0.0002367	4143.81250	4144.46289
4232.0	0.0002367	4142.72754	4143.35889
4026.0	0.0002520	4141.64111	4142.25391
4192.0	0.0002367	4140.55371	4141.14844
4101.0	0.0002441	4139.46436	4140.04248
4158.0	0.0002441	4138.37354	4138.93506
4162.0	0.0002367	4137.28125	4137.82764
4168.0	0.0002367	4136.18750	4136.71875
4157.0	0.0002441	4135.09277	4135.60986
4131.0	0.0002441	4133.99609	4134.49951
4166.0	0.0002367	4132.89795	4132.89795
4137.0	0.0002441	4131.79834	4131.79834
4175.0	0.0002367	4130.69775	4130.69775
4162.0	0.0002367	4129.59521	4129.59521
4119.0	0.0002441	4128.49170	4128.49170
4085.0	0.0002441	4127.38623	4127.38623
4071.0	0.0002441	4126.27979	4126.27979
4263.0	0.0002367	4125.17188	4125.17188
4124.0	0.0002441	4124.06250	4124.06250
4211.0	0.0002367	4122.95117	4122.95117
4176.0	0.0002367	4121.83887	4121.83887
4132.0	0.0002441	4120.72510	4120.72510
4105.0	0.0002441	4119.61035	4119.61035
4127.0	0.0002441	4118.49365	4118.49365
4111.0	0.0002441	4117.37598	4117.37598
4086.0	0.0002441	4116.25635	4116.25635
4232.0	0.0002367	4115.13574	4115.13574
4068.0	0.0002441	4114.01367	4114.01367
4170.0	0.0002367	4112.89014	4112.89014
4041.0	0.0002441	4111.76514	4111.76514
4165.0	0.0002367	4110.63867	4110.63867
4149.0	0.0002441	4109.51123	4109.51123
4176.0	0.0002367	4108.38232	4108.38232
4018.0	0.0002520	4107.25146	4107.25146
4047.0	0.0002441	4106.11963	4106.11963
4140.0	0.0002441	4104.98633	4104.98633
4065.0	0.0002441	4103.85205	4103.85205
4059.0	0.0002441	4102.71582	4102.71582
4057.0	0.0002441	4101.57861	4101.57861
4063.0	0.0002441	4100.43994	4100.43994

4127.0	0.0002441	4099.29980	4099.29980
4169.0	0.0002367	4098.15869	4098.15869
4084.0	0.0002441	4097.01563	4097.01563
4087.0	0.0002441	4095.87158	4095.87158
4246.0	0.0002367	4094.72607	4094.72607
4037.0	0.0002441	4093.57910	4093.57910
4194.0	0.0002367	4092.43091	4092.43091
4036.0	0.0002441	4091.28174	4091.28174
4031.0	0.0002520	4090.13086	4090.13086
4049.0	0.0002441	4088.97852	4088.97852
4105.0	0.0002441	4087.82495	4087.82495
4071.0	0.0002441	4086.67041	4086.67041
4038.0	0.0002441	4085.51416	4085.51416
4144.0	0.0002441	4084.35669	4084.35669
4052.0	0.0002441	4083.19775	4083.19775
4116.0	0.0002441	4082.03760	4082.03760
3993.0	0.0002520	4080.87622	4080.87622
4118.0	0.0002441	4079.71362	4079.71362
4081.0	0.0002441	4078.54932	4078.54932
4225.0	0.0002367	4077.38403	4077.38403
4155.0	0.0002441	4076.21729	4076.21729
4081.0	0.0002441	4075.04932	4075.04932
4013.0	0.0002520	4073.87988	4073.87988
4051.0	0.0002441	4072.70947	4072.70947
4051.0	0.0002441	4071.53784	4071.53784
4031.0	0.0002520	4070.36450	4070.36450
4084.0	0.0002441	4069.19019	4069.19019
4035.0	0.0002441	4068.01440	4068.01440
4099.0	0.0002441	4066.83740	4066.83740
4008.0	0.0002520	4065.65918	4065.65918
4043.0	0.0002441	4064.47949	4064.47949
4100.0	0.0002441	4063.29883	4063.29883
4028.0	0.0002520	4062.11694	4062.11694
4033.0	0.0002441	4060.93359	4060.93359
4098.0	0.0002441	4059.74902	4059.74902
4108.0	0.0002441	4058.56299	4058.56299
4154.0	0.0002441	4057.37598	4057.37598
4085.0	0.0002441	4056.18750	4056.18750
4084.0	0.0002441	4054.99780	4054.99780
4007.0	0.0002520	4053.80713	4053.80713
4053.0	0.0002441	4052.61499	4052.61499
4119.0	0.0002441	4051.42188	4051.42188
4142.0	0.0002441	4050.22729	4050.22729
4068.0	0.0002441	4049.03149	4049.03149
4054.0	0.0002441	4047.83447	4047.83447
4057.0	0.0002441	4046.63623	4046.63623
4065.0	0.0002441	4045.43677	4045.43677
4050.0	0.0002441	4044.23608	4044.23608
4054.0	0.0002441	4043.03418	4043.03418
4004.0	0.0002520	4041.83130	4041.83130
4074.0	0.0002441	4040.62695	4040.62695
4046.0	0.0002441	4039.42139	4039.42139
4135.0	0.0002441	4038.21460	4038.21460
4005.0	0.0002520	4037.00684	4037.00684

4000.0	0.0002520	4035.79761	4035.79761
4057.0	0.0002441	4034.58740	4034.58740
3957.0	0.0002520	4033.37598	4033.37598
3992.0	0.0002520	4032.16357	4032.16357
4031.0	0.0002520	4030.94946	4030.94946
4023.0	0.0002520	4029.73462	4029.73462
4060.0	0.0002441	4028.51831	4028.51831
4026.0	0.0002520	4027.30103	4027.30103
3922.0	0.0002520	4026.08252	4026.08252
4011.0	0.0002520	4024.86279	4024.86279
4022.0	0.0002520	4023.64185	4023.64185
4026.0	0.0002520	4022.41992	4022.41992
4040.0	0.0002441	4021.19702	4021.19702
4010.0	0.0002520	4019.97266	4019.97266
4036.0	0.0002441	4018.74707	4018.74707
4034.0	0.0002441	4017.52051	4017.52051
3969.0	0.0002520	4016.29272	4016.29272
3929.0	0.0002520	4015.06396	4015.06396
4101.0	0.0002441	4013.83374	4013.83374
4047.0	0.0002441	4012.60278	4012.60278
4011.0	0.0002520	4011.37061	4011.37061
4028.0	0.0002520	4010.13721	4010.13721
3986.0	0.0002520	4008.90259	4008.90259
3872.0	0.0002601	4007.66699	4007.66699
3981.0	0.0002520	4006.43018	4006.43018
3985.0	0.0002520	4005.19238	4005.19238
4106.0	0.0002441	4003.95337	4003.95337
4020.0	0.0002520	4002.71338	4002.71338
4030.0	0.0002520	4001.47241	4001.47241
4110.0	0.0002441	4000.23022	4000.23022
3959.0	0.0002520	3998.98682	3998.98682
4021.0	0.0002520	3997.74219	3997.74219
4010.0	0.0002520	3996.49683	3996.49683
3947.0	0.0002520	3995.25000	3995.25000
4030.0	0.0002520	3994.00244	3994.00244
4018.0	0.0002520	3992.75366	3992.75366
4043.0	0.0002441	3991.50366	3991.50366
3996.0	0.0002520	3990.25317	3990.25317
4028.0	0.0002520	3989.00122	3989.00122
4082.0	0.0002441	3987.74805	3987.74805
4089.0	0.0002441	3986.49390	3986.49390
3941.0	0.0002520	3985.23877	3985.23877
3958.0	0.0002520	3983.98267	3983.98267
3972.0	0.0002520	3982.72534	3982.72534
4008.0	0.0002520	3981.46704	3981.46704
3990.0	0.0002520	3980.20801	3980.20801
4040.0	0.0002441	3978.94751	3978.94751
4020.0	0.0002520	3977.68628	3977.68628
4044.0	0.0002441	3976.42383	3976.42383
3960.0	0.0002520	3975.16040	3975.16040
3997.0	0.0002520	3973.89600	3973.89600
3914.0	0.0002520	3972.63037	3972.63037
3985.0	0.0002520	3971.36401	3971.36401
4033.0	0.0002441	3970.09668	3970.09668

4100.0	0.0002441	3968.82813	3971.33423
3987.0	0.0002520	3967.55859	3970.13794
4092.0	0.0002441	3966.28809	3968.94434
4043.0	0.0002441	3965.01660	3967.75293
4077.0	0.0002441	3963.74414	3966.56421
4040.0	0.0002441	3962.47070	3965.37866
4096.0	0.0002441	3961.19629	3964.19604
3981.0	0.0002520	3959.92065	3963.01685
4037.0	0.0002441	3958.64453	3961.84180
3904.0	0.0002601	3957.36719	3960.67041
3950.0	0.0002520	3956.08862	3959.50317
3974.0	0.0002520	3954.80933	3958.34106
4105.0	0.0002441	3953.52905	3957.18408
4025.0	0.0002520	3952.24780	3956.03271
3984.0	0.0002520	3950.96558	3954.88745
3904.0	0.0002601	3949.68237	3953.74854
3987.0	0.0002520	3948.39844	3952.61719
4017.0	0.0002520	3947.11328	3951.49341
3935.0	0.0002520	3945.82739	3950.37817
3977.0	0.0002520	3944.54028	3949.27197
3931.0	0.0002520	3943.25244	3948.17578
3965.0	0.0002520	3941.96362	3947.09082
3970.0	0.0	3940.67383	.
3945.0	0.0	3939.38330	.
3982.0	0.0	3938.09180	.
3901.0	0.0	3936.79932	.
3993.0	0.0	3935.50586	.
4000.0	0.0	3934.21167	.
4025.0	0.0	3932.91626	.
3975.0	0.0	3931.62012	.
3899.0	0.0	3930.32324	.
3974.0	0.0	3929.02539	.
3958.0	0.0	3927.72656	.
3859.0	0.0	3926.42700	.
3883.0	0.0	3925.12646	.
4014.0	0.0	3923.82495	.
3946.0	0.0	3922.52271	.
3910.0	0.0	3921.21948	.
4009.0	0.0	3919.91528	.
3953.0	0.0	3918.61035	.
3847.0	0.0	3917.30469	.
4004.0	0.0	3915.99829	.
3934.0	0.0	3914.69067	.
3935.0	0.0	3913.38232	.
3980.0	0.0	3912.07324	.
3935.0	0.0	3910.76318	.
3952.0	0.0	3909.45215	.
3922.0	0.0	3908.14063	.
3977.0	0.0	3906.82813	.
3899.0	0.0	3905.51489	.
4013.0	0.0	3904.20068	.
3981.0	0.0	3902.88574	.
3949.0	0.0	3901.56982	.
3946.0	0.0	3900.25317	.

3973.0	0.0	3898.93579	.
4023.0	0.0	3897.61768	.
3893.0	0.0	3896.29883	.
4052.0	0.0	3894.97900	.
4028.0	0.0	3893.65845	.
4109.0	0.0	3892.33716	.
4134.0	0.0	3891.01489	.
4252.0	0.0	3889.69189	.
4318.0	0.0	3888.36816	.
4544.0	0.0	3887.04370	.
4599.0	0.0	3885.71851	.
5058.0	0.0	3884.39233	.
5466.0	0.0	3883.06567	.
6012.0	0.0	3881.73828	.
6620.0	0.0	3880.40991	.
7061.0	0.0	3879.08081	.
7249.0	0.0	3877.75098	.
7182.0	0.0	3876.42041	.
6864.0	0.0	3875.08911	.
6212.0	0.0	3873.75708	.
5569.0	0.0	3872.42456	.
5101.0	0.0	3871.09106	.
4687.0	0.0	3869.75684	.
4443.0	0.0	3868.42188	.
4326.0	0.0	3867.08618	.
4192.0	0.0	3865.74976	.
4255.0	0.0	3864.41284	.
4104.0	0.0	3863.07495	.
4051.0	0.0	3861.73657	.
3973.0	0.0	3860.39771	.
4024.0	0.0	3859.05786	.
3885.0	0.0	3857.71729	.
4021.0	0.0	3856.37598	.
3947.0	0.0	3855.03418	.
3888.0	0.0	3853.69141	.
3915.0	0.0	3852.34814	.
3896.0	0.0	3851.00415	.
3859.0	0.0	3849.65991	.
3950.0	0.0	3848.31470	.
3939.0	0.0	3846.96875	.
3796.0	0.0	3845.62207	.
3835.0	0.0	3844.27490	.
3777.0	0.0	3842.92700	.
3860.0	0.0	3841.57861	.
3887.0	0.0	3840.22949	.
3933.0	0.0	3838.87988	.
3800.0	0.0002601	3837.52954	3850.56738
3775.0	0.0002687	3836.17847	3848.40698
3943.0	0.0002520	3834.82666	3846.31909
3811.0	0.0002601	3833.47437	3844.29468
3866.0	0.0002601	3832.12158	3842.32715
3783.0	0.0002601	3830.76807	3840.40942
3853.0	0.0002601	3829.41406	3838.53687
3843.0	0.0002601	3828.05933	3836.70410

3851.0	0.0002601	3826.70435	3834.90771
3875.0	0.0002601	3825.34839	3833.14307
3750.0	0.0002687	3823.99194	3831.40796
3762.0	0.0002687	3822.63477	3829.69873
3775.0	0.0002687	3821.27710	3828.01343
3863.0	0.0002601	3819.91870	3826.34985
3843.0	0.0002601	3818.56006	3824.70605
3800.0	0.0002601	3817.20044	3823.08008
3838.0	0.0002601	3815.84082	3821.47070
3885.0	0.0002601	3814.48022	3819.87622
3710.0	0.0002687	3813.11914	3818.29541
3748.0	0.0002687	3811.75757	3816.72705
3809.0	0.0002601	3810.39526	3815.17017
3819.0	0.0002601	3809.03247	3813.62427
3768.0	0.0002687	3807.66919	3812.08789
3728.0	0.0002687	3806.30542	3810.56079
3802.0	0.0002601	3804.94116	3809.04199
3777.0	0.0002687	3803.57642	3807.53101
3772.0	0.0002687	3802.21094	3806.02686
3794.0	0.0002601	3800.84497	3804.52954
3884.0	0.0002601	3799.47827	3803.03809
3750.0	0.0002687	3798.11133	3801.55249
3799.0	0.0002601	3796.74390	3800.07251
3783.0	0.0002601	3795.37573	3798.59692
3865.0	0.0002601	3794.00708	3797.12622
3769.0	0.0002687	3792.63843	3795.66016
3833.0	0.0002601	3791.26880	3794.19751
3649.0	0.0002778	3789.89868	3792.73877
3845.0	0.0002601	3788.52832	3791.28369
3822.0	0.0002601	3787.15723	3789.83154
3878.0	0.0002601	3785.78564	3788.38257
3806.0	0.0002601	3784.41357	3786.93628
3708.0	0.0002687	3783.04126	3785.49292
3754.0	0.0002687	3781.66846	3784.05200
3791.0	0.0002601	3780.29517	3782.61353
3754.0	0.0002687	3778.92114	3781.17700
3741.0	0.0002687	3777.54688	3779.74243
3688.0	0.0002687	3776.17212	3776.17212
3777.0	0.0002687	3774.79688	3774.79688
3783.0	0.0002601	3773.42114	3773.42114
3754.0	0.0002687	3772.04492	3772.04492
3706.0	0.0002687	3770.66870	3770.66870
3745.0	0.0002687	3769.29175	3769.29175
3795.0	0.0002601	3767.91431	3767.91431
3740.0	0.0002687	3766.53638	3766.53638
3728.0	0.0002687	3765.15796	3765.15796
3797.0	0.0002601	3763.77930	3763.77930
3861.0	0.0002601	3762.40015	3762.40015
3782.0	0.0002687	3761.02075	3761.02075
3602.0	0.0002778	3759.64063	3759.64063
3694.0	0.0002687	3758.26050	3758.26050
3792.0	0.0002601	3756.87988	3756.87988
3677.0	0.0002687	3755.49854	3755.49854
3680.0	0.0002687	3754.11694	3754.11694



3786.0	0.0002601	3752.73511	3752.73511
3686.0	0.0002687	3751.35278	3751.35278
3727.0	0.0002687	3749.96997	3749.96997
3794.0	0.0002601	3748.58691	3748.58691
3798.0	0.0002601	3747.20361	3747.20361
3755.0	0.0002687	3745.81982	3745.81982
3805.0	0.0002601	3744.43555	3744.43555
3666.0	0.0002687	3743.05078	3743.05078
3641.0	0.0002778	3741.66577	3741.66577
3708.0	0.0002687	3740.28052	3740.28052
3711.0	0.0002687	3738.89478	3738.89478
3736.0	0.0002687	3737.50879	3737.50879
3708.0	0.0002687	3736.12280	3736.12280
3813.0	0.0002601	3734.73608	3734.73608
3654.0	0.0002778	3733.34888	3733.34888
3739.0	0.0002687	3731.96167	3731.96167
3698.0	0.0002687	3730.57397	3730.57397
3654.0	0.0002778	3729.18579	3729.18579
3597.0	0.0002778	3727.79736	3727.79736
3680.0	0.0002687	3726.40869	3726.40869
3677.0	0.0002687	3725.01978	3725.01978
3615.0	0.0002778	3723.63062	3723.63062
3683.0	0.0002687	3722.24121	3722.24121
3602.0	0.0002778	3720.85132	3720.85132
3665.0	0.0002687	3719.46094	3719.46094
3681.0	0.0002687	3718.07056	3718.07056
3651.0	0.0002778	3716.67969	3716.67969
3659.0	0.0002778	3715.28857	3715.28857
3729.0	0.0002687	3713.89722	3713.89722
3677.0	0.0002687	3712.50586	3712.50586
3618.0	0.0002778	3711.11377	3711.11377
3657.0	0.0002778	3709.72168	3709.72168
3701.0	0.0002687	3708.32910	3708.32910
3566.0	0.0002778	3706.93628	3706.93628
3732.0	0.0002687	3705.54346	3705.54346
3539.0	0.0002873	3704.15015	3704.15015
3496.0	0.0002873	3702.75659	3702.75659
3644.0	0.0002778	3701.36304	3701.36304
3535.0	0.0002873	3699.96899	3699.96899
3622.0	0.0002778	3698.57471	3698.57471
3771.0	0.0002687	3697.18018	3697.18018
3626.0	0.0002778	3695.78564	3695.78564
3760.0	0.0002687	3694.39063	3694.39063
3602.0	0.0002778	3692.99536	3692.99536
3724.0	0.0002687	3691.59985	3691.59985
3643.0	0.0002778	3690.20459	3690.20459
3674.0	0.0002687	3688.80884	3688.80884
3754.0	0.0002687	3687.41260	3687.41260
3698.0	0.0002687	3686.01660	3686.01660
3654.0	0.0002778	3684.62012	3684.62012
3699.0	0.0002687	3683.22339	3683.22339
3638.0	0.0002778	3681.82642	3681.82642
3699.0	0.0002687	3680.42944	3680.42944
3659.0	0.0002778	3679.03198	3679.03198

3657.0	0.0002778	3677.63501	3677.63501
3660.0	0.0002778	3676.23730	3676.23730
3708.0	0.0002687	3674.83936	3674.83936
3622.0	0.0002778	3673.44141	3673.44141
3678.0	0.0002687	3672.04321	3674.91406
3629.0	0.0002778	3670.64502	3673.59326
3706.0	0.0002687	3669.24634	3672.27515
3668.0	0.0002687	3667.84766	3670.96045
3643.0	0.0002778	3666.44922	3669.64941
3613.0	0.0002778	3665.05029	3668.34155
3598.0	0.0002778	3663.65112	3667.03735
3578.0	0.0002778	3662.25195	3665.73755
3615.0	0.0002778	3660.85254	3664.44189
3643.0	0.0002778	3659.45288	3663.15063
3615.0	0.0002778	3658.05322	3661.86426
3662.0	0.0002687	3656.65332	3660.58301
3594.0	0.0002778	3655.25342	3659.30737
3550.0	0.0002778	3653.85376	3658.03809
3544.0	0.0002778	3652.45337	3656.77417
3615.0	0.0002778	3651.05322	3655.51758
3439.0	0.0002873	3649.65283	3654.26782
3633.0	0.0002778	3648.25220	3653.02563
3554.0	0.0002778	3646.85156	3651.79175
3635.0	0.0002778	3645.45093	3650.56665
3657.0	0.0002778	3644.05005	3649.35107
3585.0	0.0002778	3642.64941	3648.14575
3599.0	0.0002778	3641.24829	3646.95093
3636.0	0.0002778	3639.84717	3645.76807
3688.0	0.0002687	3638.44604	3644.59790
3594.0	0.0002778	3637.04492	3643.44141
3484.0	0.0002873	3635.64355	3642.29956
3687.0	0.0002687	3634.24194	3641.17358
3679.0	0.0002687	3632.84058	3640.06519
3635.0	0.0002778	3631.43921	3638.97583
3607.0	0.0002778	3630.03760	3637.90698
3644.0	0.0002778	3628.63599	3636.86035
3662.0	0.0002687	3627.23438	3635.83838
3594.0	0.0002778	3625.83252	3634.84326
3571.0	0.0002778	3624.43066	3633.87720
3661.0	0.0002687	3623.02881	3632.94360
3627.0	0.0002778	3621.62695	3632.04565
3600.0	0.0002778	3620.22485	3631.18677
3607.0	0.0002778	3618.82324	3630.37183
3631.0	0.0002778	3617.42139	3629.60498
3596.0	0.0002778	3616.01929	3628.89160
3701.0	0.0002687	3614.61743	3628.23828
3596.0	0.0002778	3613.21533	3627.65161
3603.0	0.0002778	3611.81323	3627.14014
3692.0	0.0002687	3610.41113	3626.71338
3623.0	0.0002778	3609.00903	3626.38257
3546.0	0.0002778	3607.60718	3626.16040
3586.0	0.0002778	3606.20508	3626.06177
3625.0	0.0002778	3604.80298	3626.10474
3574.0	0.0002778	3603.40088	3626.31055

3548.0	0.0002778	3601.99878	3626.70435
3675.0	0.0002687	3600.59668	3627.31641
3564.0	0.0002778	3599.19458	3628.18311
3550.0	0.0002778	3597.79248	3629.34937
3607.0	0.0002778	3596.39087	3630.86987
3594.0	0.0002778	3594.98877	3632.81128
3458.0	0.0002873	3593.58691	3635.25854
3703.0	0.0002687	3592.18506	3638.31714
3531.0	0.0002873	3590.78296	3642.12183
3614.0	0.0002778	3589.38110	3646.84692
3550.0	0.0002778	3587.97949	3652.71826
3498.0	0.0002873	3586.57764	3660.03589
3607.0	0.0002778	3585.17603	3669.20703
3661.0	0.0002687	3583.77466	3680.80615
3561.0	0.0002778	3582.37305	3695.69678
3626.0	0.0002778	3580.97144	3715.29346
3643.0	0.0002778	3579.57007	3742.09546
3762.0	0.0002687	3578.16870	3780.63110
3688.0	0.0002687	3576.76733	3838.79053
3849.0	0.0002601	3575.36597	3929.01880
3853.0	0.0002601	3573.96484	4068.16064
4017.0	0.0002520	3572.56421	4274.40771
4279.0	0.0002367	3571.16309	4560.13525
4707.0	0.0002100	3569.76221	4922.08398
5134.0	0.0001929	3568.36157	5302.01709
5548.0	0.0001826	3566.96069	5576.09277
5568.0	0.0001778	3565.56006	5590.05762
5226.0	0.0001929	3564.15967	5333.61182
4981.0	0.0001984	3562.75928	4954.64746
4530.0	0.0002228	3561.35938	4587.91260
4227.0	0.0002367	3559.95923	4291.34766
4032.0	0.0002520	3558.55908	4074.75781
3917.0	0.0002520	3557.15918	3926.95703
3844.0	0.0002601	3555.75928	3829.93872
3717.0	0.0002687	3554.35962	3766.52344
3690.0	0.0002687	3552.96021	3723.77808
3614.0	0.0002778	3551.56079	3693.39526
3705.0	0.0002687	3550.16138	3670.57080
3595.0	0.0002778	3548.76270	3652.65283
3639.0	0.0002778	3547.36353	3638.14697
3666.0	0.0002687	3545.96484	3626.14966
3650.0	0.0002778	3544.56616	3616.06470
3563.0	0.0002778	3543.16772	3607.47266
3603.0	0.0002778	3541.76929	3600.06494
3581.0	0.0002778	3540.37109	3593.60986
3795.0	0.0002601	3538.97314	3587.92993
3768.0	0.0002687	3537.57544	3582.88818
3674.0	0.0002687	3536.17773	3578.37671
3656.0	0.0002778	3534.78027	3574.31104
3568.0	0.0002778	3533.38281	3570.62305
3606.0	0.0002778	3531.98584	3567.25952
3480.0	0.0002873	3530.58887	3564.17554
3509.0	0.0002873	3529.19189	3561.33569
3543.0	0.0002778	3527.79541	3558.71167

3544.0	0.0002778	3526.39917	3556.27979
3523.0	0.0002873	3525.00293	3554.02075
3484.0	0.0002873	3523.60693	3551.91943
3550.0	0.0002778	3522.21118	3549.96362
3603.0	0.0002778	3520.81567	3548.14307
3556.0	0.0002778	3519.42017	3546.45068
3585.0	0.0002778	3518.02515	3544.88208
3539.0	0.0002873	3516.63013	3543.43237
3493.0	0.0002873	3515.23535	3542.10107
3530.0	0.0002873	3513.84106	3540.88794
3496.0	0.0002873	3512.44702	3539.79492
3548.0	0.0002778	3511.05298	3538.82544
3557.0	0.0002778	3509.65918	3540.67798
3506.0	0.0002873	3508.26538	3540.04541
3488.0	0.0002873	3506.87207	3539.56201
3537.0	0.0002873	3505.47900	3539.23975
3507.0	0.0002873	3504.08618	3539.09448
3557.0	0.0002778	3502.69385	3539.14453
3583.0	0.0002778	3501.30151	3539.41260
3537.0	0.0002873	3499.90942	3539.92700
3580.0	0.0002778	3498.51758	3540.72119
3528.0	0.0002873	3497.12622	3541.83667
3542.0	0.0002778	3495.73486	3543.32373
3576.0	0.0002778	3494.34375	3545.24536
3463.0	0.0002873	3492.95313	3547.67871
3561.0	0.0002778	3491.56299	3550.71997
3582.0	0.0002778	3490.17261	3554.49097
3584.0	0.0002778	3488.78271	3559.14624
3563.0	0.0002778	3487.39307	3564.88428
3534.0	0.0002873	3486.00391	3571.96387
3513.0	0.0002873	3484.61475	3580.72656
3579.0	0.0002778	3483.22607	3591.63501
3648.0	0.0002778	3481.83765	3605.34204
3685.0	0.0002687	3480.44946	3622.82861
3582.0	0.0002778	3479.06177	3645.69531
3574.0	0.0002778	3477.67432	3676.74146
3670.0	0.0002687	3476.28711	3720.97339
3738.0	0.0002687	3474.90015	3786.98853
3853.0	0.0002601	3473.51367	3888.20752
3980.0	0.0002520	3472.12744	4042.73486
4134.0	0.0002441	3470.74146	4270.32568
4471.0	0.0002228	3469.35596	4585.24658
4926.0	0.0002041	3467.97095	4983.20947
5255.0	0.0001929	3466.58594	5416.40430
5656.0	0.0001778	3465.20117	5758.82080
5808.0	0.0001731	3463.81689	5836.20410
5655.0	0.0001778	3462.43311	5597.88135
5325.0	0.0001877	3461.04932	5181.46680
4900.0	0.0002041	3459.66602	4754.71484
4486.0	0.0002228	3458.28320	4396.01318
4205.0	0.0002367	3456.90088	4126.08789
4048.0	0.0002441	3455.51880	3937.29956
3987.0	0.0002520	3454.13696	3811.31567
3717.0	0.0002687	3452.75537	3728.64966

3703.0	0.0002687	3451.37427	3673.51270
3654.0	0.0002778	3449.99365	3635.13843
3642.0	0.0002778	3448.61328	3607.01318
3596.0	0.0002778	3447.23315	3585.45801
3545.0	0.0002778	3445.85352	3568.41187
3577.0	0.0002778	3444.47461	3554.66406
3591.0	0.0002778	3443.09570	3543.44507
3540.0	0.0002873	3441.71729	3534.23120
3586.0	0.0002778	3440.33911	3526.65063
3490.0	0.0002873	3438.96143	3520.43335
3529.0	0.0002873	3437.58423	3515.38379
3502.0	0.0002873	3436.20728	3511.36377
3551.0	0.0002778	3434.83081	3508.28052
3475.0	0.0002873	3433.45508	3506.07886
3480.0	0.0002873	3432.07935	3504.73853
3500.0	0.0002873	3430.70410	3504.27222
3463.0	0.0002873	3429.32935	3504.72681
3477.0	0.0002873	3427.95483	3506.18774
3519.0	0.0002873	3426.58081	3508.78687
3593.0	0.0002778	3425.20703	3512.71509
3657.0	0.0002778	3423.83398	3518.24194
3591.0	0.0002778	3422.46143	3525.75171
3603.0	0.0002778	3421.08911	3535.81323
3633.0	0.0002778	3419.71729	3549.32495
3644.0	0.0002778	3418.34595	3567.81152
3745.0	0.0002687	3416.97485	3593.97925
3836.0	0.0002601	3415.60425	3632.58984
4120.0	0.0002441	3414.23413	3691.48438
4317.0	0.0002296	3412.86450	3782.17285
4749.0	0.0002100	3411.49536	3918.97729
5000.0	0.0001984	3410.12671	4115.71777
5304.0	0.0001877	3408.75854	4379.14404
5687.0	0.0001778	3407.39063	4696.93799
5721.0	0.0001731	3406.02319	5015.44336
5527.0	0.0001826	3404.65649	5220.72363
5379.0	0.0001877	3403.28979	5197.28955
5213.0	0.0001929	3401.92383	4958.89697
4893.0	0.0002041	3400.55835	4630.33252
4607.0	0.0002163	3399.19360	4315.90186
4347.0	0.0002296	3397.82910	4060.11523
4205.0	0.0002367	3396.46484	3870.74536
4008.0	0.0002520	3395.10132	3739.16626
3843.0	0.0002601	3393.73828	3651.09741
3777.0	0.0002687	3392.37573	3592.53589
3705.0	0.0002687	3391.01343	3552.58765
3547.0	0.0002778	3389.65186	3523.99902
3583.0	0.0002778	3388.29102	3502.42407
3544.0	0.0002778	3386.93042	3485.40039
3664.0	0.0002687	3385.57007	3471.52710
3555.0	0.0002778	3384.21045	3459.96118
3461.0	0.0002873	3382.85132	3450.15259
3467.0	0.0002873	3381.49292	3441.71631
3435.0	0.0002873	3380.13477	3434.37012
3448.0	0.0002873	3378.77710	3427.90088

3543.0	0.0002778	3377.41992	3422.14526
3447.0	0.0002873	3376.06372	3416.97681
3399.0	0.0002973	3374.70776	3412.29395
3544.0	0.0002778	3373.35229	3408.01758
3458.0	0.0002873	3371.99731	3404.08350
3457.0	0.0002873	3370.64282	3400.43994
3433.0	0.0002873	3369.28906	3401.21338
3455.0	0.0002873	3367.93555	3398.14307
3416.0	0.0002973	3366.58276	3395.26147
3380.0	0.0002973	3365.23071	3392.54492
3396.0	0.0002973	3363.87915	3389.97339
3404.0	0.0002973	3362.52783	3387.52905
3452.0	0.0002873	3361.17725	3381.69263
3371.0	0.0002973	3359.82715	3383.29272
3368.0	0.0002973	3358.47754	3381.34326
3400.0	0.0002973	3357.12866	3379.47705
3428.0	0.0002873	3355.78027	3377.68701
3530.0	0.0002873	3354.43262	3375.96704
3407.0	0.0002973	3353.08545	3374.31128
3409.0	0.0002973	3351.73877	3372.71631
3308.0	0.0002973	3350.39258	3371.17773
3413.0	0.0002973	3349.04712	3369.69312
3284.0	0.0003078	3347.70215	3368.25977
3372.0	0.0002973	3346.35767	3366.87524
3305.0	0.0003078	3345.01392	3365.53833
3440.0	0.0002873	3343.67065	3364.24805
3383.0	0.0002973	3342.32813	3363.00317
3368.0	0.0002973	3340.98608	3361.80322
3321.0	0.0002973	3339.64478	3360.64868
3443.0	0.0002873	3338.30371	3359.53906
3397.0	0.0002973	3336.96362	3358.47534
3376.0	0.0002973	3335.62402	3357.45825
3378.0	0.0002973	3334.28491	3356.48877
3359.0	0.0002973	3332.94653	3355.56885
3323.0	0.0002973	3331.60889	3354.70020
3343.0	0.0002973	3330.27148	3353.88477
3355.0	0.0002973	3328.93481	3353.12573
3341.0	0.0002973	3327.59888	3352.42627
3334.0	0.0002973	3326.26343	3351.78931
3340.0	0.0002973	3324.92871	3351.21948
3420.0	0.0002973	3323.59448	3350.72168
3366.0	0.0002973	3322.26099	3350.30127
3357.0	0.0002973	3320.92822	3349.96436
3376.0	0.0002973	3319.59595	3349.71777
3295.0	0.0003078	3318.26416	3349.56934
3263.0	0.0003078	3316.93335	3349.52881
3322.0	0.0002973	3315.60278	3349.60596
3384.0	0.0002973	3314.27295	3349.81323
3393.0	0.0002973	3312.94385	3350.16406
3383.0	0.0002973	3311.61548	3350.67407
3362.0	0.0002973	3310.28760	3351.36108
3347.0	0.0002973	3308.96069	3352.24707
3381.0	0.0002973	3307.63403	3353.35498
3308.0	0.0002973	3306.30835	3354.71387

3267.0	0.0003078	3304.98291	3356.35669
3364.0	0.0002973	3303.65845	3358.32275
3343.0	0.0002973	3302.33447	3361.46265
3353.0	0.0002973	3301.01123	3364.38940
3353.0	0.0002973	3299.68848	3367.80688
3321.0	0.0002973	3298.36694	3371.79590
3333.0	0.0002973	3297.04565	3376.45239
3344.0	0.0002973	3295.72510	3381.89453
3401.0	0.0002973	3294.40527	3388.26831
3347.0	0.0002973	3293.08594	3395.75391
3334.0	0.0002973	3291.76733	3404.57910
3382.0	0.0002973	3290.44946	3415.03320
3386.0	0.0002973	3289.13232	3427.48755
3383.0	0.0002973	3287.81592	3442.43140
3373.0	0.0002973	3286.50000	3460.52588
3444.0	0.0002873	3285.18506	3482.71240
3469.0	0.0002873	3283.87036	3510.42456
3432.0	0.0002873	3282.55664	3546.00977
3344.0	0.0002973	3281.24365	3593.47461
3468.0	0.0002873	3279.93115	3659.61133
3587.0	0.0002778	3278.61963	3755.27344
3708.0	0.0002687	3277.30859	3896.07178
3748.0	0.0002687	3275.99854	4101.35840
3911.0	0.0002520	3274.68896	4390.37744
4319.0	0.0002296	3273.38013	4774.80615
4830.0	0.0002100	3272.07202	5245.44336
5447.0	0.0001826	3270.76440	5747.21729
5827.0	0.0001731	3269.45776	6152.41016
5889.0	0.0001687	3268.15186	6311.20605
5580.0	0.0001778	3266.84668	6214.54004
5274.0	0.0001877	3265.54199	6022.95605
5279.0	0.0001877	3264.23853	5898.59863
5315.0	0.0001877	3262.93530	5907.10938
5447.0	0.0001826	3261.63281	6012.80664
5748.0	0.0001731	3260.33130	6084.66602
5756.0	0.0001731	3259.03027	5963.65283
5625.0	0.0001778	3257.72998	5617.60449
5088.0	0.0001984	3256.43042	5162.92480
4594.0	0.0002163	3255.13208	4722.12500
4009.0	0.0002520	3253.83398	4354.49170
3752.0	0.0002687	3252.53687	4073.50146
3645.0	0.0002778	3251.24023	3870.97388
3525.0	0.0002873	3249.94458	3730.32129
3575.0	0.0002778	3248.64941	3633.85889
3404.0	0.0002973	3247.35522	3566.77197
3434.0	0.0002873	3246.06152	3518.45996
3387.0	0.0002973	3244.76880	3482.14844
3329.0	0.0002973	3243.47705	3453.79419
3383.0	0.0002973	3242.18579	3431.03296
3404.0	0.0002973	3240.89526	3412.43848
3297.0	0.0003078	3239.60547	3397.09424
3285.0	0.0003078	3238.31665	3384.37231
3300.0	0.0003078	3237.02832	3373.82275
3312.0	0.0002973	3235.74097	3365.11743

3277.0	0.0003078	3234.45435	3358.01611
3347.0	0.0002973	3233.16870	3352.34839
3307.0	0.0002973	3231.88354	3353.20483
3303.0	0.0003078	3230.59912	3350.24927
3297.0	0.0003078	3229.31543	3348.53345
3361.0	0.0002973	3228.03271	3348.08350
3290.0	0.0003078	3226.75073	3348.97241
3374.0	0.0002973	3225.46948	3351.32910
3203.0	0.0003078	3224.18896	3355.35132
3221.0	0.0003078	3222.90942	3361.32568
3410.0	0.0002973	3221.63062	3369.66724
3368.0	0.0002973	3220.35254	3380.99585
3384.0	0.0002973	3219.07520	3396.28906
3228.0	0.0003078	3217.79883	3417.18677
3387.0	0.0002973	3216.52295	3446.53589
3351.0	0.0002973	3215.24805	3489.22363
3362.0	0.0002973	3213.97412	3553.14526
3531.0	0.0002873	3212.70068	3649.80566
3540.0	0.0002778	3211.42847	3793.70093
3725.0	0.0002687	3210.15674	3999.58130
4147.0	0.0002441	3208.88574	4276.95947
4421.0	0.0002296	3207.61572	4620.47510
4796.0	0.0002100	3206.34644	4991.97852
5185.0	0.0001929	3205.07788	5296.23877
5398.0	0.0001877	3203.81030	5397.79980
5238.0	0.0001929	3202.54346	5236.95410
4991.0	0.0001984	3201.27759	4902.53320
4516.0	0.0002228	3200.01245	4527.77002
4121.0	0.0002441	3198.74805	4193.70801
3947.0	0.0002520	3197.48438	3928.99243
3801.0	0.0002601	3196.22168	3734.46338
3506.0	0.0002873	3194.95972	3598.77686
3476.0	0.0002873	3193.69849	3506.85767
3374.0	0.0002973	3192.43823	3444.71948
3306.0	0.0003078	3191.17920	3401.66113
3234.0	0.0003078	3189.92041	3370.52368
3264.0	0.0003078	3188.66284	3346.94775
3386.0	0.0002973	3187.40576	3328.40210
3159.0	0.0003189	3186.14966	3313.41284
3220.0	0.0003078	3184.89453	3301.07910
3222.0	0.0003078	3183.64014	3290.80908
3305.0	0.0003078	3182.38647	3286.12476
3171.0	0.0003189	3181.13379	3278.95630
3213.0	0.0003078	3179.88208	3272.91260
3262.0	0.0003078	3178.63110	3267.82251
3250.0	0.0003078	3177.38086	3263.55591
3301.0	0.0003078	3176.13159	3260.01538
3189.0	0.0003189	3174.88306	3265.07080
3164.0	0.0003189	3173.63525	3262.99658
3182.0	0.0003189	3172.38867	3257.30103
3360.0	0.0002973	3171.14258	3256.46802
3258.0	0.0003078	3169.89771	3256.18286
3360.0	0.0002973	3168.65356	3256.45435
3425.0	0.0002873	3167.41016	3257.30469



3264.0	0.0003078	3166.16772	3258.77197
3298.0	0.0003078	3164.92603	3260.90967
3344.0	0.0002973	3163.68530	3260.03857
3189.0	0.0003189	3162.44531	3263.85620
3297.0	0.0003078	3161.20630	3268.63330
3136.0	0.0003189	3159.96851	3274.53149
3264.0	0.0003078	3158.73120	3281.75464
3250.0	0.0003078	3157.49487	3290.57129
3236.0	0.0003078	3156.25928	3301.32959
3300.0	0.0003078	3155.02466	3314.49316
3379.0	0.0002973	3153.79102	3330.69922
3228.0	0.0003078	3152.55811	3350.86621
3386.0	0.0002973	3151.32593	3376.41382
3396.0	0.0002973	3150.09473	3409.68726
3322.0	0.0002973	3148.86475	3454.69873
3436.0	0.0002873	3147.63550	3518.23901
3410.0	0.0002973	3146.40698	3611.14429
3411.0	0.0002973	3145.17944	3749.05518
3505.0	0.0002873	3143.95264	3951.57520
3943.0	0.0002520	3142.72681	4238.70654
4204.0	0.0002367	3141.50195	4629.81250
4419.0	0.0002296	3140.27783	5107.23340
5068.0	0.0001984	3139.05493	5629.53174
5577.0	0.0001778	3137.83276	6075.28760
5723.0	0.0001731	3136.61133	6261.37061
5540.0	0.0001826	3135.39087	6085.14160
5316.0	0.0001877	3134.17139	5644.66992
4963.0	0.0002041	3132.95288	5123.37402
4582.0	0.0002163	3131.73511	4644.91113
4266.0	0.0002367	3130.51831	4258.18164
3902.0	0.0002601	3129.30249	3969.64355
3725.0	0.0002687	3128.08765	3766.33789
3609.0	0.0002778	3126.87354	3628.35767
3455.0	0.0002873	3125.66016	3536.06250
3456.0	0.0002873	3124.44800	3473.72363
3404.0	0.0002973	3123.23657	3430.42529
3339.0	0.0002973	3122.02612	3399.33276
3271.0	0.0003078	3120.81665	3376.43042
3201.0	0.0003078	3119.60791	3359.40430
3280.0	0.0003078	3118.40063	3346.89136
3306.0	0.0003078	3117.19385	3338.04883
3243.0	0.0003078	3115.98779	3332.33936
3053.0	0.0003306	3114.78296	3329.42114
3206.0	0.0003078	3113.57886	3329.09375
3266.0	0.0003078	3112.37573	3331.27466
3169.0	0.0003189	3111.17358	3335.98682
3237.0	0.0003078	3109.97241	3339.81836
3233.0	0.0003078	3108.77222	3350.17090
3317.0	0.0002973	3107.57300	3363.78125
3350.0	0.0002973	3106.37451	3381.18970
3419.0	0.0002973	3105.17700	3403.18188
3188.0	0.0003189	3103.98022	3430.93579
3216.0	0.0003078	3102.78467	3466.30493
3370.0	0.0002973	3101.58984	3512.31372

3480.0	0.0002873	3100.39600	3573.93384
3471.0	0.0002873	3099.20337	3659.04297
3574.0	0.0002778	3098.01147	3779.23999
3549.0	0.0002778	3096.82056	3949.86914
3613.0	0.0002778	3095.63062	4188.58789
3863.0	0.0002601	3094.44141	4512.02539
4178.0	0.0002367	3093.25317	4929.87109
4629.0	0.0002163	3092.06616	5433.40967
5069.0	0.0001984	3090.87988	5974.81250
5435.0	0.0001826	3089.69458	6457.35400
5773.0	0.0001731	3088.51050	6801.17773
6365.0	0.0001562	3087.32690	7050.90186
6814.0	0.0001452	3086.14453	7336.44922
7753.0	0.0001291	3084.96289	7727.29785
8368.0	0.0001208	3083.78247	8146.82227
8362.0	0.0001208	3082.60278	8366.82617
7962.0	0.0001262	3081.42407	8153.82861
7172.0	0.0001384	3080.24634	7516.80957
6242.0	0.0001602	3079.06982	6687.21484
5448.0	0.0001826	3077.89404	5881.33936
4774.0	0.0002100	3076.71924	5204.14014
4384.0	0.0002296	3075.54541	4682.06738
4081.0	0.0002441	3074.37231	4303.41357
3819.0	0.0002601	3073.20044	4040.79297
3730.0	0.0002687	3072.02954	3863.68091
3586.0	0.0002778	3070.85938	3745.54956
3604.0	0.0002778	3069.69067	3666.79590
3387.0	0.0002973	3068.52246	3614.66479
3577.0	0.0002778	3067.35522	3581.75977
3484.0	0.0002873	3066.18921	3564.41919
3460.0	0.0002873	3065.02393	3561.66309
3438.0	0.0002873	3063.85962	3574.92578
3664.0	0.0002687	3062.69653	3608.53125
3642.0	0.0002778	3061.53418	3670.68481
3894.0	0.0002601	3060.37280	3774.45581
4123.0	0.0002441	3059.21265	3937.79907
4675.0	0.0002163	3058.05322	4181.47168
5306.0	0.0001877	3056.89502	4523.91992
6213.0	0.0001602	3055.73755	4972.30273
7042.0	0.0001417	3054.58105	5506.83789
7524.0	0.0001321	3053.42554	6052.84766
7364.0	0.0001352	3052.27100	6453.74902
6918.0	0.0001452	3051.11743	6524.80518
6088.0	0.0001644	3049.96509	6222.57373
5360.0	0.0001877	3048.81372	5696.12695
4823.0	0.0002100	3047.66309	5127.83936
4259.0	0.0002367	3046.51343	4618.47510
3983.0	0.0002520	3045.36475	4216.01172
3778.0	0.0002687	3044.21729	3916.01074
3514.0	0.0002873	3043.07056	3702.86548
3539.0	0.0002873	3041.92480	3555.53076
3359.0	0.0002973	3040.78027	3454.01538
3258.0	0.0003078	3039.63672	3382.56104
3286.0	0.0003078	3038.49390	3330.26660

3288.0	0.0003078	3037.35229	3290.26050
3283.0	0.0003078	3036.21167	3258.43872
3230.0	0.0003078	3035.07178	3232.36865
3196.0	0.0003078	3033.93311	3210.55835
3183.0	0.0003189	3032.79541	3192.02856
3081.0	0.0003189	3031.65869	3176.09497
3095.0	0.0003189	3030.52319	3162.25269
3143.0	0.0003189	3029.38843	3150.11719
3242.0	0.0003078	3028.25464	3139.38916
3083.0	0.0003189	3027.12183	3129.83374
3135.0	0.0003189	3025.98999	3121.26245
3106.0	0.0003189	3024.85913	3113.52417
3033.0	0.0003306	3023.72925	3106.49536
3041.0	0.0003306	3022.60059	3100.07544
3049.0	0.0003306	3021.47290	3094.18042
3051.0	0.0003306	3020.34619	3088.74194
3071.0	0.0003306	3019.22046	3083.70093
3033.0	0.0003306	3018.09570	3079.00903
3035.0	0.0003306	3016.97192	3074.62427
3132.0	0.0003189	3015.84888	3070.51123
3081.0	0.0003189	3014.72729	3066.64063
3006.0	0.0003306	3013.60645	3062.98511
3065.0	0.0003306	3012.48682	3059.52295
3128.0	0.0003189	3011.36816	3056.23413
3091.0	0.0003189	3010.25024	3053.10132
3098.0	0.0003189	3009.13354	3050.10962
3001.0	0.0003306	3008.01782	3047.24634
3056.0	0.0003306	3006.90308	3044.49927
3071.0	0.0003306	3005.78931	3041.85791
3109.0	0.0003189	3004.67651	3039.31372
3008.0	0.0003306	3003.56494	3036.85840
3048.0	0.0003306	3002.45435	3030.47241
3041.0	0.0003306	3001.34473	3028.27734
3159.0	0.0003189	3000.23608	3026.14722
3054.0	0.0003306	2999.12842	3024.07739
3078.0	0.0003306	2998.02173	3022.06274
3089.0	0.0003189	2996.91602	3020.09937
3058.0	0.0003306	2995.81128	3010.06055
2991.0	0.0003306	2994.70776	3008.39941
3013.0	0.0003306	2993.60522	3006.77124
3019.0	0.0003306	2992.50366	3005.17383
3029.0	0.0003306	2991.40308	3003.60474
2961.0	0.0003429	2990.30347	3002.06201
3134.0	0.0003189	2989.20508	3000.54443
3061.0	0.0003306	2988.10742	2999.04932
3098.0	0.0003189	2987.01099	2997.57593
2977.0	0.0003306	2985.91553	2996.12280
3026.0	0.0003306	2984.82104	2994.68848
3020.0	0.0003306	2983.72778	2993.27197
3039.0	0.0003306	2982.63525	2991.87183
3049.0	0.0003306	2981.54370	2990.48730
2967.0	0.0003429	2980.45337	2989.11768
3059.0	0.0003306	2979.36401	2987.76196
3009.0	0.0003306	2978.27563	2986.41919

2971.0	0.0003306	2977.18848	2985.08911
3002.0	0.0003306	2976.10205	2983.77026
3019.0	0.0003306	2975.01685	2982.46289
2948.0	0.0003429	2973.93262	2981.16602
3006.0	0.0003306	2972.84937	2979.87915
3093.0	0.0003189	2971.76709	2978.60156
3028.0	0.0003306	2970.68604	2977.33325
2988.0	0.0003306	2969.60571	2976.07324
2968.0	0.0003429	2968.52661	2974.82178
3027.0	0.0003306	2967.44849	2967.44849
2984.0	0.0003306	2966.37158	2966.37158
3073.0	0.0003306	2965.29541	2965.29541
2964.0	0.0003429	2964.22046	2964.22046
2971.0	0.0003306	2963.14648	2963.14648
2964.0	0.0003429	2962.07324	2962.07324
3039.0	0.0003306	2961.00146	2961.00146
3072.0	0.0003306	2959.93042	2959.93042
3084.0	0.0003189	2958.86060	2958.86060
2896.0	0.0003429	2957.79175	2957.79175
2973.0	0.0003306	2956.72388	2956.72388
2975.0	0.0003306	2955.65698	2955.65698
2957.0	0.0003429	2954.59131	2954.59131
2984.0	0.0003306	2953.52637	2953.52637
2955.0	0.0003429	2952.46265	2952.46265
2993.0	0.0003306	2951.39990	2951.39990
3014.0	0.0003306	2950.33838	2950.33838
2978.0	0.0003306	2949.27759	2949.27759
3004.0	0.0003306	2948.21826	2948.21826
2981.0	0.0003306	2947.15967	2947.15967
3016.0	0.0003306	2946.10205	2946.10205
3023.0	0.0003306	2945.04565	2945.04565
2938.0	0.0003429	2943.98999	2943.98999
3004.0	0.0003306	2942.93555	2942.93555
2976.0	0.0003306	2941.88208	2941.88208
3002.0	0.0003306	2940.82959	2940.82959
2959.0	0.0003429	2939.77856	2939.77856
2959.0	0.0003429	2938.72827	2938.72827
2988.0	0.0003306	2937.67871	2937.67871
2954.0	0.0003429	2936.63062	2936.63062
2966.0	0.0003429	2935.58325	2935.58325
2973.0	0.0003306	2934.53711	2934.53711
3029.0	0.0003306	2933.49194	2933.49194
2977.0	0.0003306	2932.44775	2932.44775
2994.0	0.0003306	2931.40479	2931.40479
2972.0	0.0003306	2930.36279	2930.36279
3026.0	0.0003306	2929.32178	2929.32178
2961.0	0.0003429	2928.28174	2928.28174
3001.0	0.0003306	2927.24268	2927.24268
3021.0	0.0003306	2926.20483	2926.20483
2908.0	0.0003429	2925.16772	2925.16772
2901.0	0.0003429	2924.13184	2924.13184
3003.0	0.0003306	2923.09717	2923.09717
3016.0	0.0003306	2922.06348	2922.06348
2947.0	0.0003429	2921.03076	2921.03076

2969.0	0.0003429	2919.99902	2919.99902
2939.0	0.0003429	2918.96826	2918.96826
3065.0	0.0003306	2917.93872	2917.93872
2942.0	0.0003429	2916.90991	2916.90991
2955.0	0.0003429	2915.88232	2915.88232
2917.0	0.0003429	2914.85596	2914.85596
2997.0	0.0003306	2913.83057	2913.83057
2960.0	0.0003429	2912.80591	2912.80591
2987.0	0.0003306	2911.78247	2911.78247
2947.0	0.0003429	2910.76025	2910.76025
2869.0	0.0003429	2909.73877	2909.73877
2951.0	0.0003429	2908.71851	2908.71851
2993.0	0.0003306	2907.69897	2907.69897
2910.0	0.0003429	2906.68066	2906.68066
2945.0	0.0003429	2905.66382	2905.66382
3027.0	0.0003306	2904.64746	2904.64746
3015.0	0.0003306	2903.63232	2903.63232
2942.0	0.0003429	2902.61816	2902.61816
2895.0	0.0003429	2901.60522	2901.60522
2896.0	0.0003429	2900.59302	2900.59302
2951.0	0.0003429	2899.58203	2899.58203
2983.0	0.0003306	2898.57202	2898.57202
2945.0	0.0003429	2897.56323	2897.56323
2920.0	0.0003429	2896.55542	2896.55542
2948.0	0.0003429	2895.54834	2895.54834
2930.0	0.0003429	2894.54272	2894.54272
2909.0	0.0003429	2893.53784	2893.53784
2878.0	0.0003429	2892.53394	2892.53394
2949.0	0.0003429	2891.53125	2891.53125
2959.0	0.0003429	2890.52954	2890.52954
2982.0	0.0003306	2889.52881	2889.52881
2971.0	0.0003306	2888.52954	2888.52954
2969.0	0.0003429	2887.53076	2887.53076
2974.0	0.0003306	2886.53320	2886.53320
2954.0	0.0003429	2885.53662	2885.53662
2901.0	0.0003429	2884.54126	2884.54126
2959.0	0.0003429	2883.54663	2883.54663
2959.0	0.0003429	2882.55322	2882.55322
2916.0	0.0003429	2881.56079	2881.56079
2885.0	0.0003429	2880.56958	2880.56958
2885.0	0.0003429	2879.57935	2879.57935
2843.0	0.000356	2878.59009	2878.59009
2884.0	0.0003429	2877.60181	2877.60181
2906.0	0.0003429	2876.61450	2876.61450
2946.0	0.0003429	2875.62817	2875.62817
2904.0	0.0003429	2874.64307	2874.64307
2800.0	0.000356	2873.65894	2873.65894
2883.0	0.0003429	2872.67603	2872.67603
2908.0	0.0003429	2871.69409	2871.69409
2936.0	0.0003429	2870.71289	2870.71289
2917.0	0.0003429	2869.73291	2869.73291
2959.0	0.0003429	2868.75391	2868.75391
2900.0	0.0003429	2867.77612	2867.77612
3007.0	0.0003306	2866.79907	2867.82056

2909.0	0.0003429	2865.82324	2866.86426
2849.0	0.000356	2864.84839	2865.90942
2934.0	0.0003429	2863.87476	2864.95630
2839.0	0.000356	2862.90210	2864.00488
2939.0	0.0003429	2861.93018	2863.05469
2802.0	0.000356	2860.95947	2862.10669
2893.0	0.0003429	2859.98975	2861.16016
2863.0	0.0003429	2859.02100	2860.21509
2918.0	0.0003429	2858.05347	2859.27222
2932.0	0.0003429	2857.08691	2858.33105
2968.0	0.0003429	2856.12134	2857.39185
2919.0	0.0003429	2855.15698	2856.45435
2821.0	0.000356	2854.19336	2855.51880
2852.0	0.000356	2853.23096	2854.58521
2890.0	0.0003429	2852.26929	2853.65308
2896.0	0.0003429	2851.30884	2852.72339
2918.0	0.0003429	2850.34961	2851.79614
2839.0	0.000356	2849.39111	2850.87036
2827.0	0.000356	2848.43359	2849.94702
2948.0	0.0003429	2847.47754	2849.02612
2932.0	0.0003429	2846.52222	2848.10718
2889.0	0.0003429	2845.56787	2847.19067
2937.0	0.0003429	2844.61475	2846.27661
2886.0	0.0003429	2843.66235	2845.36475
2902.0	0.0003429	2842.71118	2844.45557
2865.0	0.0003429	2841.76099	2843.54883
2888.0	0.0003429	2840.81177	2842.64502
2906.0	0.0003429	2839.86401	2841.74414
2864.0	0.0003429	2838.91675	2840.84570
2838.0	0.000356	2837.97070	2840.64282
2868.0	0.0003429	2837.02563	2839.76367
2905.0	0.0003429	2836.08154	2838.88818
2883.0	0.0003429	2835.13843	2838.01611
2911.0	0.0003429	2834.19653	2837.14819
2926.0	0.0003429	2833.25537	2836.28394
2957.0	0.0003429	2832.31567	2835.42407
2860.0	0.000356	2831.37671	2834.56836
2910.0	0.0003429	2830.43872	2833.71704
2946.0	0.0003429	2829.50171	2832.87061
2976.0	0.0003306	2828.56592	2832.02905
2927.0	0.0003429	2827.63086	2831.19238
3065.0	0.0003306	2826.69702	2830.36108
3019.0	0.0003306	2825.76416	2829.53540
3045.0	0.0003306	2824.83252	2828.71582
2968.0	0.0003429	2823.90186	2827.90259
3066.0	0.0003306	2822.97192	2827.09546
2940.0	0.0003429	2822.04321	2826.29541
2883.0	0.0003429	2821.11548	2825.50269
2874.0	0.0003429	2820.18872	2824.71753
2870.0	0.0003429	2819.26294	2823.94067
2900.0	0.0003429	2818.33813	2823.17212
2896.0	0.0003429	2817.41431	2822.41284
2939.0	0.0003429	2816.49194	2821.66382
2859.0	0.000356	2815.57031	2820.92505

2801.0	0.000356	2814.64941	2820.19678
2823.0	0.000356	2813.72974	2819.48071
2821.0	0.000356	2812.81104	2818.77759
2875.0	0.0003429	2811.89355	2818.08813
2794.0	0.000356	2810.97681	2817.41309
2848.0	0.000356	2810.06128	2816.75391
2754.0	0.000370	2809.14673	2816.11206
2872.0	0.0003429	2808.23315	2815.48853
2847.0	0.000356	2807.32056	2814.88525
2915.0	0.0003429	2806.40894	2814.30347
2800.0	0.000356	2805.49829	2816.18750
2802.0	0.000356	2804.58862	2815.70215
2813.0	0.000356	2803.67993	2815.24609
2844.0	0.000356	2802.77246	2814.82300
2868.0	0.0003429	2801.86572	2814.43506
2915.0	0.0003429	2800.96045	2814.08691
2893.0	0.0003429	2800.05591	2813.78174
2750.0	0.000370	2799.15210	2813.52441
2968.0	0.0003429	2798.24976	2813.32031
2831.0	0.000356	2797.34814	2813.17505
2853.0	0.000356	2796.44751	2813.09644
2842.0	0.000356	2795.54785	2813.09204
2772.0	0.000356	2794.64941	2813.17188
2873.0	0.0003429	2793.75195	2813.34668
2854.0	0.000356	2792.85522	2813.62891
2811.0	0.000356	2791.95972	2814.03442
2836.0	0.000356	2791.06519	2814.58179
2804.0	0.000356	2790.17163	2818.43335
2826.0	0.000356	2789.27905	2819.39307
2926.0	0.0003429	2788.38721	2820.57544
2865.0	0.0003429	2787.49658	2822.02002
2882.0	0.0003429	2786.60718	2823.77441
2927.0	0.0003429	2785.71851	2825.89795
2810.0	0.000356	2784.83081	2828.46436
2885.0	0.0003429	2783.94434	2831.56982
2861.0	0.000356	2783.05859	2835.33740
2804.0	0.000356	2782.17383	2839.93359
2925.0	0.0003429	2781.29028	2845.59595
2839.0	0.000356	2780.40747	2852.67896
2817.0	0.000356	2779.52588	2861.74609
2831.0	0.000356	2778.64526	2873.71118
2749.0	0.000370	2777.76563	2890.04565
2970.0	0.0003429	2776.88672	2913.01514
2855.0	0.000356	2776.00903	2945.85254
2815.0	0.000356	2775.13232	2992.71362
2853.0	0.000356	2774.25659	3058.23730
2894.0	0.0003429	2773.38159	3146.57837
2920.0	0.0003429	2772.50781	3259.80371
3008.0	0.0003306	2771.63525	3395.27173
3165.0	0.0003189	2770.76318	3541.06470
3260.0	0.0003078	2769.89233	3669.89014
3133.0	0.0003189	2769.02246	3740.43286
3206.0	0.0003078	2768.15356	3721.58862
3229.0	0.0003078	2767.28564	3622.33887

3126.0	0.0003189	2766.41870	3482.30591
3090.0	0.0003189	2765.55249	3338.54761
2982.0	0.0003306	2764.68774	3211.52295
3029.0	0.0003306	2763.82373	3108.69849
2949.0	0.0003429	2762.96069	3030.41602
2849.0	0.000356	2762.09839	2973.54761
2784.0	0.000356	2761.23730	2933.61963
2730.0	0.000370	2760.37720	2906.14136
2766.0	0.000356	2759.51782	2887.34961
2704.0	0.000370	2758.65967	2874.47217
2766.0	0.000356	2757.80249	2865.66382
2767.0	0.000356	2756.94629	2859.80005
2750.0	0.000370	2756.09106	2856.25708
2761.0	0.000356	2755.23657	2854.75171
2844.0	0.000356	2754.38330	2855.26172
2808.0	0.000356	2753.53101	2858.02319
2816.0	0.000356	2752.67944	2863.60107
2793.0	0.000356	2751.82886	2873.00928
2748.0	0.000370	2750.97925	2887.84497
2902.0	0.0003429	2750.13086	2910.35474
2714.0	0.000370	2749.28345	2943.32715
2868.0	0.0003429	2748.43677	2989.70166
2854.0	0.000356	2747.59106	3051.82983
2907.0	0.0003429	2746.74634	3130.29150
3047.0	0.0003306	2745.90259	3221.92236
2971.0	0.0003306	2745.05957	3316.46265
3009.0	0.0003306	2744.21777	3393.09302
2992.0	0.0003306	2743.37695	3424.69287
3122.0	0.0003189	2742.53711	3396.90186
2960.0	0.0003429	2741.69800	3322.51343
3041.0	0.0003306	2740.86011	3228.53052
2957.0	0.0003429	2740.02295	3136.46826
2923.0	0.0003429	2739.18701	3057.19556
2742.0	0.000370	2738.35156	2994.22192
2882.0	0.0003429	2737.51733	2947.14404
2867.0	0.0003429	2736.68408	2913.68726
2779.0	0.000356	2735.85181	2890.92529
2861.0	0.000356	2735.02026	2876.04370
2780.0	0.000356	2734.18994	2866.75244
2868.0	0.0003429	2733.36035	2861.40234
2751.0	0.000370	2732.53198	2858.92725
2773.0	0.000356	2731.70435	2858.70239
2863.0	0.0003429	2730.87744	2860.40674
2711.0	0.000370	2730.05200	2863.92163
2698.0	0.000370	2729.22681	2869.26782
2849.0	0.000356	2728.40308	2876.58276
2763.0	0.000356	2727.58008	2886.12183
2762.0	0.000356	2726.75830	2898.29712
2890.0	0.0003429	2725.93726	2913.75757
2915.0	0.0003429	2725.11694	2933.54565
2817.0	0.000356	2724.29810	2959.35986
2774.0	0.000356	2723.47949	2993.94556
2898.0	0.0003429	2722.66235	3041.58276
2961.0	0.0003429	2721.84570	3108.51782



3014.0	0.0003306	2721.03052	3203.07861
3169.0	0.0003189	2720.21582	3335.10034
3318.0	0.0002973	2719.40234	3514.36475
3718.0	0.0002687	2718.58984	3747.84961
3957.0	0.0002520	2717.77783	4035.38306
4590.0	0.0002163	2716.96704	4362.28320
4969.0	0.0002041	2716.15698	4687.41162
5254.0	0.0001929	2715.34814	4934.21387
5325.0	0.0001877	2714.54004	5014.54834
5135.0	0.0001929	2713.73291	4896.74756
4508.0	0.0002228	2712.92676	4638.09814
4175.0	0.0002367	2712.12134	4330.02148
3865.0	0.0002601	2711.31714	4041.98633
3645.0	0.0002778	2710.51367	3802.89966
3435.0	0.0002873	2709.71118	3627.08374
3309.0	0.0002973	2708.90942	3516.43237
3225.0	0.0003078	2708.10889	3469.47241
3246.0	0.0003078	2707.30884	3485.51318
3372.0	0.0002973	2706.51001	3566.76245
3429.0	0.0002873	2705.71216	3718.22827
3731.0	0.0002687	2704.91504	3945.34814
4095.0	0.0002441	2704.11890	4249.38770
4524.0	0.0002228	2703.32349	4619.94824
4616.0	0.0002163	2702.52930	5022.41846
4982.0	0.0001984	2701.73560	5381.67236
4906.0	0.0002041	2700.94336	5584.67285
4948.0	0.0002041	2700.15161	5541.62402
4813.0	0.0002100	2699.36084	5267.40527
4591.0	0.0002163	2698.57129	4866.04297
4335.0	0.0002296	2697.78198	4443.11523
4013.0	0.0002520	2696.99414	4061.02710
3614.0	0.0002778	2696.20679	3744.90674
3307.0	0.0002973	2695.42090	3498.46875
3300.0	0.0003078	2694.63525	3314.56616
3198.0	0.0003078	2693.85107	3181.35278
3041.0	0.0003306	2693.06738	3086.15576
2961.0	0.0003429	2692.28467	3017.80981
2869.0	0.0003429	2691.50317	2967.67310
3008.0	0.0003306	2690.72217	2929.67236
2910.0	0.0003429	2689.94214	2899.82959
2755.0	0.000370	2689.16309	2875.64404
2757.0	0.000356	2688.38501	2855.55518
2813.0	0.000356	2687.60742	2838.56641
2806.0	0.000356	2686.83105	2824.00757
2759.0	0.000356	2686.05566	2811.40137
2653.0	0.000370	2685.28076	2800.39307
2771.0	0.000356	2684.50708	2791.37427
2706.0	0.000370	2683.73413	2782.81030
2759.0	0.000356	2682.96216	2775.18091
2741.0	0.000370	2682.19092	2767.31348
2753.0	0.000370	2681.42065	2761.17847
2700.0	0.000370	2680.65112	2755.62866
2656.0	0.000370	2679.88281	2750.58716
2790.0	0.000356	2679.11523	2745.98755

2650.0	0.000384	2678.34839	2741.77612
2708.0	0.000370	2677.58252	2737.90674
2679.0	0.000370	2676.81738	2734.34033
2799.0	0.000356	2676.05322	2731.04419
2714.0	0.000370	2675.28979	2727.98926
2667.0	0.000370	2674.52759	2725.15210
2721.0	0.000370	2673.76587	2722.51123
2756.0	0.000356	2673.00537	2720.04932
2751.0	0.000370	2672.24561	2717.75049
2724.0	0.000370	2671.48657	2715.60083
2674.0	0.000370	2670.72852	2713.58960
2697.0	0.000370	2669.97095	2711.70703
2723.0	0.000370	2669.21484	2709.94458
2658.0	0.000370	2668.45898	2708.29395
2623.0	0.000384	2667.70459	2706.75049
2730.0	0.000370	2666.95093	2705.30762
2669.0	0.000370	2666.19775	2703.96191
2725.0	0.000370	2665.44580	2702.71021
2748.0	0.000370	2664.69434	2701.54883
2755.0	0.000370	2663.94409	2700.47754
2656.0	0.000370	2663.19434	2699.49341
2717.0	0.000370	2662.44556	2698.59790
2643.0	0.000384	2661.69751	2697.79077
2701.0	0.000370	2660.95068	2697.07324
2641.0	0.000384	2660.20459	2696.44727
2628.0	0.000384	2659.45923	2697.20923
2671.0	0.000370	2658.71484	2696.82617
2697.0	0.000370	2657.97095	2696.54663
2655.0	0.000370	2657.22827	2696.37695
2714.0	0.000370	2656.48608	2696.32397
2661.0	0.000370	2655.74512	2696.39624
2785.0	0.000356	2655.00464	2696.60425
2664.0	0.000370	2654.26538	2696.96021
2715.0	0.000370	2653.52686	2697.47852
2690.0	0.000370	2652.78882	2698.17505
2699.0	0.000370	2652.05200	2699.07178
2653.0	0.000370	2651.31567	2700.19116
2612.0	0.000384	2650.58057	2701.56201
2585.0	0.000384	2649.84595	2703.21777
2676.0	0.000370	2649.11230	2705.19922
2705.0	0.000370	2648.37964	2707.55542
2738.0	0.000370	2647.64746	2710.34448
2697.0	0.000370	2646.91650	2713.63843
2645.0	0.000384	2646.18579	2717.52490
2691.0	0.000370	2645.45630	2722.11255
2684.0	0.000370	2644.72754	2727.53760
2654.0	0.000370	2643.99976	2733.97217
2733.0	0.000370	2643.27246	2741.63818
2775.0	0.000356	2642.54639	2750.83569
2679.0	0.000370	2641.82104	2761.98364
2709.0	0.000370	2641.09619	2775.70581
2726.0	0.000370	2640.37231	2792.96924
2776.0	0.000356	2639.64917	2815.31055
2730.0	0.000370	2638.92700	2845.15527

2829.0	0.000356	2638.20557	2886.18750
2776.0	0.000356	2637.48511	2943.65137
2891.0	0.0003429	2636.76514	3024.37720
2912.0	0.0003429	2636.04614	3136.27026
2985.0	0.0003306	2635.32813	3287.05420
3194.0	0.0003078	2634.61060	3482.15234
3290.0	0.0003078	2633.89404	3718.97852
3493.0	0.0002873	2633.17798	3991.24756
3792.0	0.0002601	2632.46313	4265.46387
3903.0	0.0002601	2631.74878	4483.08691
4027.0	0.0002520	2631.03540	4571.66553
3822.0	0.0002601	2630.32300	4493.79102
3699.0	0.0002687	2629.61108	4282.40234
3413.0	0.0002973	2628.90015	4009.39063
3287.0	0.0003078	2628.18970	3735.15259
3161.0	0.0003189	2627.48047	3492.50269
3040.0	0.0003306	2626.77148	3293.70459
2894.0	0.0003429	2626.06372	3139.49463
2851.0	0.000356	2625.35645	3024.72949
2937.0	0.0003429	2624.65015	2941.78003
2772.0	0.000356	2623.94482	2882.72070
2758.0	0.000356	2623.23999	2840.64087
2780.0	0.000356	2622.53589	2810.20288
2641.0	0.000384	2621.83252	2784.46313
2684.0	0.000370	2621.13037	2767.38525
2648.0	0.000384	2620.42847	2754.17578
2669.0	0.000370	2619.72778	2743.88989
2734.0	0.000370	2619.02759	2735.95557
2717.0	0.000370	2618.32813	2730.03394
2663.0	0.000370	2617.62964	2725.95313
2740.0	0.000370	2616.93188	2723.68237
2644.0	0.000384	2616.23486	2723.35474
2753.0	0.000370	2615.53833	2725.31934
2724.0	0.000370	2614.84302	2730.22412
2714.0	0.000370	2614.14819	2739.10938
2801.0	0.000356	2613.45435	2753.47266
2795.0	0.000356	2612.76123	2775.24219
2858.0	0.000356	2612.06860	2806.58862
2914.0	0.0003429	2611.37695	2849.53418
2956.0	0.0003429	2610.68579	2905.31274
3103.0	0.0003189	2609.99561	2973.38940
3225.0	0.0003078	2609.30615	3049.81519
3402.0	0.0002973	2608.61743	3124.70068
3596.0	0.0002778	2607.92944	3180.61719
3674.0	0.0002687	2607.24219	3197.94678
3750.0	0.0002687	2606.55591	3169.02954
3662.0	0.0002687	2605.87012	3105.42822
3548.0	0.0002778	2605.18530	3027.30444
3451.0	0.0002873	2604.50098	2950.49756
3225.0	0.0003078	2603.81738	2883.32910
3034.0	0.0003306	2603.13452	2828.78955
2920.0	0.0003429	2602.45264	2786.90381
2934.0	0.0003429	2601.77124	2756.29346
2859.0	0.000356	2601.09082	2734.64478

2880.0	0.0003429	2600.41113	2719.91333
2781.0	0.000356	2599.73193	2710.25366
2726.0	0.000370	2599.05371	2704.26660
2742.0	0.000370	2598.37598	2701.00000
2719.0	0.000370	2597.69922	2699.87305
2664.0	0.000370	2597.02295	2700.58276
2671.0	0.000370	2596.34790	2703.02808
2691.0	0.000370	2595.67334	2707.26343
2730.0	0.000370	2594.99902	2713.49365
2776.0	0.000356	2594.32593	2722.11401
2638.0	0.000384	2593.65332	2733.79639
2729.0	0.000370	2592.98169	2749.65576
2666.0	0.000370	2592.31030	2771.47559
2756.0	0.000356	2591.64014	2801.99414
2761.0	0.000356	2590.97046	2845.14795
2801.0	0.000356	2590.30151	2906.13892
2827.0	0.000356	2589.63354	2991.12988
3016.0	0.0003306	2588.96582	3106.40552
3103.0	0.0003189	2588.29907	3256.90649
3220.0	0.0003078	2587.63281	3443.97461
3453.0	0.0002873	2586.96753	3661.76221
3555.0	0.0002778	2586.30273	3891.23584
3659.0	0.0002778	2585.63892	4092.99463
3627.0	0.0002778	2584.97559	4209.98584
3658.0	0.0002778	2584.31299	4196.99463
3604.0	0.0002778	2583.65137	4058.96191
3421.0	0.0002973	2582.98999	3846.26514
3331.0	0.0002973	2582.32959	3614.17334
3173.0	0.0003189	2581.66968	3398.26465
3147.0	0.0003189	2581.01074	3214.76758
2995.0	0.0003306	2580.35229	3067.93994
2866.0	0.0003429	2579.69482	2955.60474
2947.0	0.0003429	2579.03784	2872.44360
2783.0	0.000356	2578.38135	2812.08911
2722.0	0.000370	2577.72583	2768.47998
2757.0	0.000356	2577.07080	2736.59912
2678.0	0.000370	2576.41675	2712.69800
2659.0	0.000370	2575.76294	2694.18823
2738.0	0.000370	2575.11011	2679.37671
2598.0	0.000384	2574.45776	2667.18701
2642.0	0.000384	2573.80640	2656.93335
2634.0	0.000384	2573.15576	2648.16724
2633.0	0.000384	2572.50537	2640.57837
2658.0	0.000370	2571.85596	2633.94458
2658.0	0.000370	2571.20703	2628.09595
2608.0	0.000384	2570.55884	2622.90063
2585.0	0.000384	2569.91138	2618.25464
2646.0	0.000384	2569.26465	2614.07227
2630.0	0.000384	2568.61841	2610.28540
2597.0	0.000384	2567.97290	2606.83765
2645.0	0.000384	2567.32837	2603.68188
2562.0	0.000384	2566.68384	2600.77905
2633.0	0.000384	2566.04053	2598.09717
2538.0	0.000400	2565.39771	2595.60815

2599.0	0.000384	2564.75562	2593.28857
2549.0	0.000400	2564.11401	2591.11914
2636.0	0.000384	2563.47314	2589.08276
2548.0	0.000400	2562.83301	2587.16479
2628.0	0.000384	2562.19336	2585.35254
2589.0	0.000384	2561.55469	2583.63574
2604.0	0.000384	2560.91626	2582.00439
2522.0	0.000400	2560.27881	2580.45044
2602.0	0.000384	2559.64160	2576.67920
2598.0	0.000384	2559.00562	2575.30249
2627.0	0.000384	2558.36963	2573.98267
2568.0	0.000384	2557.73486	2572.71606
2528.0	0.000400	2557.10059	2571.49805
2608.0	0.000384	2556.46680	2570.32471
2571.0	0.000384	2555.83374	2569.19312
2576.0	0.000384	2555.20117	2568.10059
2519.0	0.000400	2554.56934	2567.04517
2577.0	0.000384	2553.93799	2566.02441
2560.0	0.000384	2553.30762	2565.03687
2615.0	0.000384	2552.67749	2564.08081
2585.0	0.000384	2552.04834	2563.15601
2543.0	0.000400	2551.41992	2562.26147
2622.0	0.000384	2550.79175	2561.39648
2570.0	0.000384	2550.16431	2560.56104
2527.0	0.000400	2549.53735	2559.75586
2518.0	0.000400	2548.91138	2558.98267
2614.0	0.000384	2548.28589	2558.24146
2559.0	0.000384	2547.66089	2557.53442
2538.0	0.000400	2547.03662	2556.86475
2576.0	0.000384	2546.41284	2556.69897
2600.0	0.000384	2545.79004	2556.32324
2587.0	0.000384	2545.16748	2555.80396
2604.0	0.000384	2544.54565	2555.34473
2596.0	0.000384	2543.92432	2554.95630
2595.0	0.000384	2543.30371	2554.65649
2535.0	0.000400	2542.68359	2554.46753
2475.0	0.000400	2542.06445	2554.42773
2507.0	0.000400	2541.44556	2554.59399
2546.0	0.000400	2540.82739	2555.05835
2558.0	0.000384	2540.20972	2555.95532
2531.0	0.000400	2539.59277	2557.57397
2534.0	0.000400	2538.97656	2559.96924
2525.0	0.000400	2538.36060	2562.86401
2548.0	0.000400	2537.74536	2567.89063
2581.0	0.000384	2537.13062	2574.60327
2574.0	0.000384	2536.51685	2583.06836
2624.0	0.000384	2535.90356	2593.02930
2591.0	0.000384	2535.29053	2603.64600
2595.0	0.000384	2534.67847	2613.17114
2621.0	0.000384	2534.06665	2618.98438
2617.0	0.000384	2533.45557	2618.77783
2595.0	0.000384	2532.84521	2612.36353
2535.0	0.000400	2532.23535	2601.84888
2586.0	0.000384	2531.62598	2589.91089

2578.0	0.000384	2531.01733	2578.44312
2516.0	0.000400	2530.40918	2568.39429
2535.0	0.000400	2529.80151	2560.08398
2580.0	0.000384	2529.19458	2553.52148
2540.0	0.000400	2528.58813	2548.41138
2530.0	0.000400	2527.98242	2544.50439
2529.0	0.000400	2527.37695	2541.50537
2492.0	0.000400	2526.77246	2539.15967
2469.0	0.000400	2526.16821	2537.26685
2546.0	0.000400	2525.56470	2535.68384
2545.0	0.000400	2524.96167	2534.31396
2586.0	0.000384	2524.35913	2533.09521
2494.0	0.000400	2523.75732	2531.98730
2549.0	0.000400	2523.15601	2530.96436
2546.0	0.000400	2522.55518	2530.00879
2455.0	0.000400	2521.95508	2529.10864
2526.0	0.000400	2521.35547	2528.25415
2587.0	0.000384	2520.75659	2527.43896
2543.0	0.000400	2520.15796	2526.65723
2543.0	0.000400	2519.56006	2525.90454
2540.0	0.000400	2518.96240	2525.17725
2542.0	0.000400	2518.36572	2522.45581
2534.0	0.000400	2517.76929	2521.80908
2491.0	0.000400	2517.17358	2521.18091
2464.0	0.000400	2516.57837	2520.56885
2524.0	0.000400	2515.98364	2519.97168
2486.0	0.000400	2515.38965	2519.38843
2536.0	0.000400	2514.79590	2519.33374
2523.0	0.000400	2514.20288	2518.78638
2565.0	0.000384	2513.61035	2518.25195
2582.0	0.000384	2513.01831	2517.72974
2412.0	0.000416	2512.42676	2517.22046
2548.0	0.000400	2511.83594	2516.72363
2608.0	0.000384	2511.24585	2516.24023
2551.0	0.000384	2510.65576	2515.76880
2637.0	0.000384	2510.06665	2515.31177
2501.0	0.000400	2509.47754	2514.86816
2472.0	0.000400	2508.88940	2514.43970
2555.0	0.000384	2508.30151	2514.02637
2530.0	0.000400	2507.71436	2513.63013
2472.0	0.000400	2507.12769	2513.25098
2498.0	0.000400	2506.54150	2512.89136
2450.0	0.000416	2505.95605	2512.55176
2593.0	0.000384	2505.37085	2512.23413
2495.0	0.000400	2504.78613	2511.94092
2500.0	0.000400	2504.20190	2511.67407
2477.0	0.000400	2503.61865	2511.43604
2468.0	0.000400	2503.03540	2511.22998
2473.0	0.000400	2502.45288	2511.05933
2496.0	0.000400	2501.87085	2510.92798
2575.0	0.000384	2501.28931	2510.84106
2575.0	0.000384	2500.70825	2510.80322
2513.0	0.000400	2500.12769	2510.82153
2453.0	0.000400	2499.54785	2510.90259

2474.0	0.000400	2498.96802	2511.05469
2555.0	0.000384	2498.38916	2511.28979
2478.0	0.000400	2497.81055	2511.61865
2537.0	0.000400	2497.23242	2512.05640
2552.0	0.000384	2496.65503	2512.62061
2488.0	0.000400	2496.07788	2513.33276
2572.0	0.000384	2495.50146	2514.21826
2488.0	0.000400	2494.92529	2515.31055
2453.0	0.000400	2494.34985	2516.64990
2475.0	0.000400	2493.77466	2518.28833
2484.0	0.000400	2493.20020	2520.29663
2498.0	0.000400	2492.62598	2522.77319
2465.0	0.000400	2492.05249	2525.86084
2502.0	0.000400	2491.47925	2529.77832
2605.0	0.000384	2490.90649	2534.86108
2565.0	0.000384	2490.33447	2541.62329
2631.0	0.000384	2489.76270	2550.82129
2602.0	0.000384	2489.19165	2564.51270
2646.0	0.000384	2488.62061	2582.07495
2587.0	0.000384	2488.05054	2606.08862
2739.0	0.000370	2487.48071	2638.18750
2733.0	0.000370	2486.91138	2679.71021
2935.0	0.0003429	2486.34253	2731.19385
3069.0	0.0003306	2485.77417	2791.59351
3018.0	0.0003306	2485.20630	2857.02246
3391.0	0.0002973	2484.63867	2919.10913
3401.0	0.0002973	2484.07178	2964.65430
3478.0	0.0002873	2483.50513	2980.22412
3565.0	0.0002778	2482.93921	2960.70825
3559.0	0.0002778	2482.37378	2913.91919
3360.0	0.0002973	2481.80859	2854.19897
3185.0	0.0003189	2481.24390	2794.16724
3121.0	0.0003189	2480.67944	2741.44043
2985.0	0.0003306	2480.11572	2699.33447
3027.0	0.0003306	2479.55249	2668.33545
3082.0	0.0003189	2478.98975	2647.04907
3008.0	0.0003306	2478.42700	2632.66870
2984.0	0.0003306	2477.86523	2621.46606
3016.0	0.0003306	2477.30371	2609.94702
2846.0	0.000356	2476.74268	2596.45044
2696.0	0.000370	2476.18213	2581.52686
2869.0	0.0003429	2475.62158	2566.68042
2703.0	0.000370	2475.06201	2553.13867
2683.0	0.000370	2474.50269	2541.53174
2670.0	0.000370	2473.94385	2532.06299
2648.0	0.000384	2473.38550	2524.69873
2674.0	0.000370	2472.82739	2519.29126
2674.0	0.000370	2472.27002	2515.54761
2542.0	0.000400	2471.71265	2513.49243
2667.0	0.000370	2471.15625	2512.85010
2695.0	0.000370	2470.59985	2513.45435
2704.0	0.000370	2470.04395	2515.10718
2777.0	0.000356	2469.48853	2517.50122
2845.0	0.000356	2468.93359	2520.10547

2960.0	0.0003429	2468.37915	2522.09473
2804.0	0.000356	2467.82495	2522.53809
2960.0	0.0003429	2467.27124	2520.95215
2813.0	0.000356	2466.71777	2517.68994
2747.0	0.000370	2466.16504	2513.63428
2827.0	0.000356	2465.61255	2509.61475
2661.0	0.000370	2465.06055	2506.15308
2685.0	0.000370	2464.50879	2503.50757
2643.0	0.000384	2463.95776	2501.78125
2579.0	0.000384	2463.40698	2502.17920
2598.0	0.000384	2462.85645	2502.37207
2520.0	0.000400	2462.30664	2503.55542
2431.0	0.000416	2461.75684	2505.84399
2537.0	0.000400	2461.20776	2509.48413
2612.0	0.000384	2460.65894	2514.90381
2538.0	0.000400	2460.11060	2522.75757
2696.0	0.000370	2459.56274	2533.94604
2558.0	0.000384	2459.01514	2549.58008
2572.0	0.000384	2458.46802	2570.87183
2679.0	0.000370	2457.92114	2598.92505
2594.0	0.000384	2457.37500	2634.42407
2643.0	0.000384	2456.82886	2677.17139
2709.0	0.000370	2456.28345	2725.35352
2811.0	0.000356	2455.73804	2774.39697
2956.0	0.0003429	2455.19336	2815.89526
3033.0	0.0003306	2454.64917	2838.76099
3140.0	0.0003189	2454.10498	2834.92065
3235.0	0.0003078	2453.56152	2805.65845
3160.0	0.0003189	2453.01807	2760.49731
3144.0	0.0003189	2452.47534	2710.21704
3144.0	0.0003189	2451.93262	2662.24878
2923.0	0.0003429	2451.39063	2620.36450
2633.0	0.000384	2450.84888	2585.88989
2752.0	0.000370	2450.30762	2558.75098
2717.0	0.000370	2449.76685	2538.12134
2590.0	0.000384	2449.22607	2522.83765
2533.0	0.000400	2448.68604	2511.68921
2506.0	0.000400	2448.14600	2503.58887
2515.0	0.000400	2447.60669	2497.66724
2461.0	0.000400	2447.06738	2493.28442
2617.0	0.000384	2446.52881	2489.99756
2507.0	0.000400	2445.99072	2488.99341
2465.0	0.000400	2445.45264	2487.17236
2486.0	0.000400	2444.91504	2485.86890
2433.0	0.000416	2444.37769	2485.01611
2461.0	0.000400	2443.84082	2484.57861
2473.0	0.000400	2443.30420	2484.53955
2417.0	0.000416	2442.76807	2484.89966
2523.0	0.000400	2442.23218	2485.67432
2467.0	0.000400	2441.69678	2486.89478
2433.0	0.000416	2441.16187	2488.61084
2475.0	0.000400	2440.62695	2490.89575
2502.0	0.000400	2440.09277	2493.86108
2485.0	0.000400	2439.55859	2497.67090



2474.0	0.000400	2439.02490	2502.57813
2543.0	0.000400	2438.49146	2508.97583
2460.0	0.000400	2437.95850	2517.46606
2462.0	0.000400	2437.42578	2528.94531
2569.0	0.000384	2436.89355	2544.68506
2505.0	0.000400	2436.36182	2566.36768
2586.0	0.000384	2435.83008	2596.03418
2610.0	0.000384	2435.29883	2635.90527
2737.0	0.000370	2434.76782	2688.01709
2837.0	0.000356	2434.23730	2753.68872
2987.0	0.0003306	2433.70703	2832.73340
3057.0	0.0003306	2433.17700	2922.21851
3249.0	0.0003078	2432.64746	3014.52051
3533.0	0.0002873	2432.11816	3095.30151
3575.0	0.0002778	2431.58936	3144.83862
3559.0	0.0002778	2431.06079	3147.14917
3381.0	0.0002973	2430.53247	3101.97705
3204.0	0.0003078	2430.00439	3025.84155
2996.0	0.0003306	2429.47681	2937.44385
2902.0	0.0003429	2428.94946	2852.35254
2746.0	0.000370	2428.42261	2778.58740
2641.0	0.000384	2427.89600	2719.20703
2584.0	0.000384	2427.36963	2674.17578
2583.0	0.000384	2426.84375	2641.44629
2563.0	0.000384	2426.31812	2617.14941
2517.0	0.000400	2425.79272	2598.05273
2487.0	0.000400	2425.26758	2580.83203
2503.0	0.000400	2424.74292	2563.88477
2510.0	0.000400	2424.21851	2547.47266
2540.0	0.000400	2423.69434	2532.38867
2532.0	0.000400	2423.17065	2519.19653
2493.0	0.000400	2422.64697	2508.10083
2451.0	0.000400	2422.12402	2499.06445
2547.0	0.000400	2421.60107	2491.91724
2502.0	0.000400	2421.07861	2486.42603
2485.0	0.000400	2420.55615	2482.23901
2662.0	0.000370	2420.03442	2479.31494
2626.0	0.000384	2419.51270	2477.35254
2634.0	0.000384	2418.99121	2476.19629
2530.0	0.000400	2418.47046	2475.74365
2470.0	0.000400	2417.94946	2475.93750
2412.0	0.000416	2417.42920	2476.76147
2469.0	0.000400	2416.90869	2478.23657
2481.0	0.000400	2416.38916	2480.42139
2487.0	0.000400	2415.86938	2483.41772
2459.0	0.000400	2415.35010	2487.39282
2433.0	0.000416	2414.83130	2492.60645
2476.0	0.000400	2414.31250	2499.46704
2480.0	0.000400	2413.79419	2508.60376
2516.0	0.000400	2413.27588	2520.95508
2464.0	0.000400	2412.75806	2537.86401
2561.0	0.000384	2412.24048	2561.12158
2518.0	0.000400	2411.72314	2592.93530
2653.0	0.000370	2411.20605	2635.71436

2632.0	0.000384	2410.68945	2691.88477
2714.0	0.000370	2410.17310	2763.09790
2768.0	0.000356	2409.65698	2849.61548
2822.0	0.000356	2409.14111	2949.47778
3064.0	0.0003306	2408.62549	3054.95532
2990.0	0.0003306	2408.11011	3152.60571
3070.0	0.0003306	2407.59497	3221.50659
3058.0	0.0003306	2407.08032	3240.96631
3141.0	0.0003189	2406.56592	3204.19019
3141.0	0.0003189	2406.05151	3123.88354
3111.0	0.0003189	2405.53760	3022.21338
3074.0	0.0003306	2405.02393	2918.15723
2942.0	0.0003429	2404.51050	2823.10278
2770.0	0.000356	2403.99707	2742.24976
2768.0	0.000356	2403.48438	2676.96899
2659.0	0.000370	2402.97168	2626.45703
2690.0	0.000370	2402.45923	2588.77222
2577.0	0.000384	2401.94727	2561.53296
2563.0	0.000384	2401.43530	2542.38989
2556.0	0.000384	2400.92358	2529.32764
2515.0	0.000400	2400.41235	2520.78613
2481.0	0.000400	2399.90112	2515.67407
2520.0	0.000400	2399.39014	2513.31738
2459.0	0.000400	2398.87964	2512.86597
2496.0	0.000400	2398.36938	2515.35205
2466.0	0.000400	2397.85938	2520.52319
2504.0	0.000400	2397.34961	2529.00342
2526.0	0.000400	2396.83984	2541.83862
2497.0	0.000400	2396.33057	2560.58594
2475.0	0.000400	2395.82129	2587.35693
2417.0	0.000416	2395.31250	2624.76367
2524.0	0.000400	2394.80371	2675.70386
2623.0	0.000384	2394.29541	2742.93994
2700.0	0.000370	2393.78735	2828.45508
2846.0	0.000356	2393.27954	2932.52881
2930.0	0.0003429	2392.77197	3052.32544
3125.0	0.0003189	2392.26440	3179.65405
3389.0	0.0002973	2391.75732	3298.16602
3608.0	0.0002778	2391.25024	3383.02002
3693.0	0.0002687	2390.74341	3409.11523
3689.0	0.0002687	2390.23682	3367.14063
3408.0	0.0002973	2389.73071	3271.10425
3283.0	0.0003078	2389.22485	3147.30664
3073.0	0.0003306	2388.71899	3019.04810
2892.0	0.0003429	2388.21338	2900.69897
2727.0	0.000370	2387.70801	2799.03955
2636.0	0.000384	2387.20288	2716.06445
2609.0	0.000384	2386.69800	2651.02173
2625.0	0.000384	2386.19336	2601.68726
2490.0	0.000400	2385.68872	2565.21948
2427.0	0.000416	2385.18457	2538.75415
2445.0	0.000416	2384.68066	2519.77856
2474.0	0.000400	2384.17676	2506.31201
2472.0	0.000400	2383.67334	2496.94141

2377.0	0.000416	2383.16992	2490.76831
2470.0	0.000400	2382.66675	2487.33496
2421.0	0.000416	2382.16382	2486.56470
2464.0	0.000400	2381.66113	2488.72266
2460.0	0.000400	2381.15869	2494.40283
2430.0	0.000416	2380.65625	2504.50659
2458.0	0.000400	2380.15430	2520.18188
2467.0	0.000400	2379.65234	2542.69702
2567.0	0.000384	2379.15063	2573.22412
2482.0	0.000400	2378.64917	2612.52100
2621.0	0.000384	2378.14795	2660.48291
2681.0	0.000370	2377.64673	2715.45117
2781.0	0.000356	2377.14600	2772.12988
2881.0	0.0003429	2376.64551	2824.38672
2903.0	0.0003429	2376.14502	2859.42554
2915.0	0.0003429	2375.64478	2866.25098
2919.0	0.0003429	2375.14453	2841.92432
2858.0	0.000356	2374.64478	2793.92139
2752.0	0.000370	2374.14502	2734.42896
2680.0	0.000370	2373.64575	2673.74194
2613.0	0.000384	2373.14624	2618.05737
2569.0	0.000384	2372.64722	2570.23877
2505.0	0.000400	2372.14844	2531.06641
2458.0	0.000400	2371.64966	2500.03369
2483.0	0.000400	2371.15137	2476.26099
2466.0	0.000400	2370.65283	2458.33130
2437.0	0.000416	2370.15479	2444.91650
2486.0	0.000400	2369.65674	2434.84521
2451.0	0.000400	2369.15918	2427.18140
2374.0	0.000416	2368.66162	2421.23218
2371.0	0.000416	2368.16406	2416.51074
2327.0	0.000434	2367.66699	2412.69507
2377.0	0.000416	2367.16992	2409.57446
2404.0	0.000416	2366.67310	2407.01514
2373.0	0.000416	2366.17651	2404.93311
2452.0	0.000400	2365.67993	2403.27686
2417.0	0.000416	2365.18359	2402.01904
2384.0	0.000416	2364.68750	2401.15381
2426.0	0.000416	2364.19165	2400.69629
2312.0	0.000434	2363.69580	2400.68726
2358.0	0.000416	2363.20020	2401.20752
2380.0	0.000416	2362.70483	2402.63501
2429.0	0.000416	2362.20947	2404.70142
2410.0	0.000416	2361.71436	2407.96313
2390.0	0.000416	2361.21948	2412.86426
2381.0	0.000416	2360.72461	2419.98462
2417.0	0.000416	2360.23022	2430.01685
2479.0	0.000400	2359.73584	2443.70117
2442.0	0.000416	2359.24146	2461.71240
2420.0	0.000416	2358.74756	2484.49023
2509.0	0.000400	2358.25342	2511.99414
2569.0	0.000384	2357.75977	2543.33594
2486.0	0.000400	2357.26611	2576.19775
2511.0	0.000400	2356.77271	2606.16650

2587.0	0.000384	2356.27954	2626.80859
2490.0	0.000400	2355.78638	2632.25830
2494.0	0.000400	2355.29346	2619.85962
2455.0	0.000400	2354.80054	2593.69800
2425.0	0.000416	2354.30786	2559.25757
2477.0	0.000400	2353.81519	2524.83472
2401.0	0.000416	2353.32300	2492.87720
2456.0	0.000400	2352.83081	2465.15088
2417.0	0.000416	2352.33862	2442.20898
2401.0	0.000416	2351.84692	2423.89600
2319.0	0.000434	2351.35498	2409.66650
2413.0	0.000416	2350.86353	2398.80273
2414.0	0.000416	2350.37207	2390.56055
2316.0	0.000434	2349.88086	2384.27222
2397.0	0.000416	2349.38940	2379.39063
2348.0	0.000434	2348.89844	2375.50464
2389.0	0.000416	2348.40747	2372.31909
2304.0	0.000434	2347.91699	2369.63403
2382.0	0.000416	2347.42651	2367.31519
2329.0	0.000434	2346.93579	2365.27393
2387.0	0.000416	2346.44556	2363.44946
2392.0	0.000416	2345.95532	2361.80054
2298.0	0.000434	2345.46533	2360.29614
2375.0	0.000416	2344.97534	2358.91211
2381.0	0.000416	2344.48560	2357.63062
2382.0	0.000416	2343.99609	2356.43677
2324.0	0.000434	2343.50659	2355.31812
2329.0	0.000434	2343.01733	2354.26538
2417.0	0.000416	2342.52808	2353.26953
2290.0	0.000434	2342.03906	2352.32373
2405.0	0.000416	2341.54980	2351.42212
2328.0	0.000434	2341.06104	2350.55981
2355.0	0.000416	2340.57227	2349.73267
2370.0	0.000416	2340.08374	2348.93726
2331.0	0.000434	2339.59546	2348.17065
2331.0	0.000434	2339.10693	2347.42896
2299.0	0.000434	2338.61890	2346.71143
2364.0	0.000416	2338.13086	2344.54907
2363.0	0.000416	2337.64282	2343.89990
2336.0	0.000434	2337.15503	2343.26904
2340.0	0.000434	2336.66724	2342.65405
2403.0	0.000416	2336.17969	2342.05493
2289.0	0.000434	2335.69214	2341.47046
2328.0	0.000434	2335.20483	2340.89966
2367.0	0.000416	2334.71753	2340.34253
2320.0	0.000434	2334.23047	2339.79834
2297.0	0.000434	2333.74341	2339.26611
2283.0	0.000434	2333.25659	2338.74609
2279.0	0.000434	2332.76978	2338.23828
2366.0	0.000416	2332.28320	2337.74219
2351.0	0.000434	2331.79663	2337.25830
2333.0	0.000434	2331.31030	2336.78613
2384.0	0.000416	2330.82397	2336.32642
2315.0	0.000434	2330.33765	2335.87915

2332.0	0.000434	2329.85156	2335.44458
2298.0	0.000434	2329.36548	2335.02344
2320.0	0.000434	2328.87964	2334.61719
2296.0	0.000434	2328.39380	2334.22534
2304.0	0.000434	2327.90820	2334.91943
2291.0	0.000434	2327.42285	2334.58105
2289.0	0.000434	2326.93726	2334.26123
2298.0	0.000434	2326.45190	2333.96216
2348.0	0.000434	2325.96655	2333.68506
2377.0	0.000416	2325.48145	2333.43237
2344.0	0.000434	2324.99634	2333.20679
2368.0	0.000416	2324.51147	2333.01123
2368.0	0.000416	2324.02661	2332.13696
2425.0	0.000416	2323.54175	2332.02490
2376.0	0.000416	2323.05737	2331.95483
2379.0	0.000416	2322.57251	2331.93164
2267.0	0.000434	2322.08813	2331.96313
2354.0	0.000416	2321.60376	2332.05615
2298.0	0.000434	2321.11963	2332.22290
2342.0	0.000434	2320.63525	2332.47290
2323.0	0.000434	2320.15137	2332.82422
2376.0	0.000416	2319.66724	2333.29639
2264.0	0.000434	2319.18335	2333.91821
2349.0	0.000434	2318.69946	2335.71167
2343.0	0.000434	2318.21582	2336.78931
2425.0	0.000416	2317.73218	2338.20288
2366.0	0.000416	2317.24854	2340.07788
2327.0	0.000434	2316.76514	2342.59595
2383.0	0.000416	2316.28174	2346.00391
2326.0	0.000434	2315.79858	2350.61816
2403.0	0.000416	2315.31543	2356.81470
2362.0	0.000416	2314.83203	2365.00122
2501.0	0.000400	2314.34912	2375.55762
2584.0	0.000384	2313.86621	2388.75732
2743.0	0.000370	2313.38330	2404.65283
2848.0	0.000356	2312.90039	2422.90649
2983.0	0.0003306	2312.41772	2442.52612
2992.0	0.0003306	2311.93506	2461.52710
3091.0	0.0003189	2311.45264	2476.82666
3081.0	0.0003189	2310.97021	2485.05713
3057.0	0.0003306	2310.48779	2484.48462
2916.0	0.0003429	2310.00562	2476.44482
2760.0	0.000356	2309.52319	2464.55469
2610.0	0.000384	2309.04102	2452.70850
2639.0	0.000384	2308.55884	2443.84326
2572.0	0.000384	2308.07690	2439.78882
2532.0	0.000400	2307.59521	2441.49707
2595.0	0.000384	2307.11328	2449.21289
2587.0	0.000384	2306.63159	2462.48169
2599.0	0.000384	2306.14966	2479.97900
2614.0	0.000384	2305.66797	2499.17358
2769.0	0.000356	2305.18628	2516.55835
2758.0	0.000356	2304.70483	2525.67212
2768.0	0.000356	2304.22339	2523.91528

2617.0	0.000384	2303.74219	2510.44995
2599.0	0.000384	2303.26099	2488.55420
2584.0	0.000384	2302.77954	2462.83521
2584.0	0.000384	2302.29834	2437.03662
2473.0	0.000400	2301.81714	2413.40576
2439.0	0.000416	2301.33618	2392.99780
2399.0	0.000416	2300.85522	2376.11133
2366.0	0.000416	2300.37427	2362.59595
2329.0	0.000434	2299.89331	2352.05371
2225.0	0.000453	2299.41260	2343.97583
2437.0	0.000416	2298.93213	2337.83887
2215.0	0.000453	2298.45117	2333.16919
2237.0	0.000453	2297.97070	2329.57959
2247.0	0.000453	2297.48999	2326.77075
2296.0	0.000434	2297.00977	2324.52954
2284.0	0.000434	2296.52905	2322.70630
2296.0	0.000434	2296.04883	2321.20215
2310.0	0.000434	2295.56860	2319.95117
2316.0	0.000434	2295.08813	2318.90796
2321.0	0.000434	2294.60815	2318.04370
2313.0	0.000434	2294.12793	2317.33789
2236.0	0.000453	2293.64771	2316.77490
2338.0	0.000434	2293.16772	2316.34644
2347.0	0.000434	2292.68774	2316.04614
2292.0	0.000434	2292.20776	2315.86963
2227.0	0.000453	2291.72778	2315.81689
2228.0	0.000453	2291.24805	2315.88989
2300.0	0.000434	2290.76831	2316.09277
2282.0	0.000434	2290.28857	2316.43164
2316.0	0.000434	2289.80884	2316.91577
2308.0	0.000434	2289.32910	2317.55737
2272.0	0.000434	2288.84961	2318.37231
2365.0	0.000416	2288.37012	2319.37964
2303.0	0.000434	2287.89038	2320.60254
2287.0	0.000434	2287.41113	2322.07178
2275.0	0.000434	2286.93164	2323.82422
2305.0	0.000434	2286.45215	2325.90503
2310.0	0.000434	2285.97314	2328.37646
2183.0	0.000453	2285.49365	2331.31787
2356.0	0.000416	2285.01440	2334.84155
2370.0	0.000416	2284.53516	2339.10767
2309.0	0.000434	2284.05615	2344.35083
2288.0	0.000434	2283.57715	2350.91968
2330.0	0.000434	2283.09790	2359.32373
2302.0	0.000434	2282.61914	2370.28589
2278.0	0.000434	2282.13989	2384.78882
2301.0	0.000434	2281.66113	2404.09009
2379.0	0.000416	2281.18213	2429.68091
2337.0	0.000434	2280.70337	2463.17188
2376.0	0.000416	2280.22437	2506.07373
2433.0	0.000416	2279.74561	2559.49048
2509.0	0.000400	2279.26709	2623.68140
2497.0	0.000400	2278.78809	2697.42139
2594.0	0.000384	2278.30957	2777.02612

2776.0	0.000356	2277.83081	2855.01392
2839.0	0.000356	2277.35229	2919.73486
2917.0	0.0003429	2276.87354	2956.08765
2884.0	0.0003429	2276.39526	2954.61963
2965.0	0.0003429	2275.91650	2916.77393
2854.0	0.000356	2275.43823	2854.31128
2693.0	0.000370	2274.95972	2781.85645
2665.0	0.000370	2274.48120	2710.97754
2576.0	0.000384	2274.00293	2648.86694
2605.0	0.000384	2273.52441	2599.42432
2524.0	0.000400	2273.04639	2564.56543
2449.0	0.000416	2272.56787	2545.09863
2436.0	0.000416	2272.08960	2541.22388
2496.0	0.000400	2271.61157	2552.76978
2446.0	0.000416	2271.13330	2579.23535
2454.0	0.000400	2270.65527	2619.63013
2489.0	0.000400	2270.17700	2672.07202
2639.0	0.000384	2269.69897	2733.04688
2886.0	0.0003429	2269.22070	2796.73926
2865.0	0.0003429	2268.74268	2852.14844
2836.0	0.000356	2268.26465	2886.80688
2784.0	0.000356	2267.78662	2889.83472
2759.0	0.000356	2267.30859	2859.06519
2577.0	0.000384	2266.83057	2802.51831
2647.0	0.000384	2266.35278	2733.18530
2506.0	0.000400	2265.87476	2661.31494
2518.0	0.000400	2265.39697	2594.28296
2397.0	0.000416	2264.91895	2536.43262
2352.0	0.000434	2264.44116	2487.49756
2321.0	0.000434	2263.96313	2448.15381
2364.0	0.000416	2263.48535	2417.51904
2328.0	0.000434	2263.00781	2394.32178
2402.0	0.000416	2262.52979	2377.19043
2203.0	0.000453	2262.05225	2364.86694
2192.0	0.000453	2261.57422	2356.32813
2321.0	0.000434	2261.09668	2350.85278
2357.0	0.000416	2260.61890	2348.03296
2367.0	0.000416	2260.14136	2347.51709
2401.0	0.000416	2259.66382	2349.96338
2348.0	0.000434	2259.18604	2355.51245
2257.0	0.000434	2258.70850	2364.71606
2375.0	0.000416	2258.23071	2378.19702
2440.0	0.000416	2257.75317	2396.52148
2445.0	0.000416	2257.27563	2420.03223
2518.0	0.000400	2256.79810	2448.62549
2553.0	0.000384	2256.32031	2481.42944
2602.0	0.000384	2255.84302	2516.30762
2821.0	0.000356	2255.36548	2549.26416
2806.0	0.000356	2254.88794	2574.31934
2724.0	0.000370	2254.41040	2585.00757
2665.0	0.000370	2253.93286	2577.39673
2711.0	0.000370	2253.45557	2553.89917
2655.0	0.000370	2252.97803	2520.00757
2584.0	0.000384	2252.50049	2482.14111

2356.0	0.000416	2252.02319	2445.03198
2399.0	0.000416	2251.54565	2411.39502
2391.0	0.000416	2251.06836	2382.45728
2285.0	0.000434	2250.59082	2358.51001
2252.0	0.000453	2250.11353	2339.28735
2251.0	0.000453	2249.63599	2324.20996
2355.0	0.000416	2249.15894	2312.56299
2245.0	0.000453	2248.68140	2303.62036
2409.0	0.000416	2248.20410	2296.72803
2246.0	0.000453	2247.72681	2291.34668
2329.0	0.000434	2247.24927	2287.06006
2246.0	0.000453	2246.77222	2283.56592
2266.0	0.000434	2246.29468	2280.65088
2304.0	0.000434	2245.81738	2278.17188
2262.0	0.000434	2245.34009	2276.03027
2209.0	0.000453	2244.86279	2274.15991
2255.0	0.000453	2244.38550	2272.51465
2278.0	0.000434	2243.90820	2271.05981
2227.0	0.000453	2243.43115	2269.77271
2276.0	0.000434	2242.95361	2268.63306
2391.0	0.000416	2242.47656	2267.62793
2228.0	0.000453	2241.99902	2266.74438
2319.0	0.000434	2241.52197	2267.20605
2172.0	0.000453	2241.04468	2266.56934
2254.0	0.000453	2240.56738	2266.03784
2251.0	0.000453	2240.09009	2265.60889
2264.0	0.000434	2239.61279	2265.28442
2259.0	0.000434	2239.13574	2265.06494
2304.0	0.000434	2238.65845	2264.95410
2240.0	0.000453	2238.18115	2264.95776
2343.0	0.000434	2237.70386	2265.08398
2269.0	0.000434	2237.22681	2265.34424
2312.0	0.000434	2236.74927	2265.75146
2276.0	0.000434	2236.27222	2266.32617
2393.0	0.000416	2235.79517	2267.09326
2480.0	0.000400	2235.31787	2268.08838
2474.0	0.000400	2234.84058	2269.36157
2444.0	0.000416	2234.36328	2270.98682
2416.0	0.000416	2233.88623	2273.07129
2397.0	0.000416	2233.40894	2275.76929
2416.0	0.000416	2232.93164	2279.29932
2366.0	0.000416	2232.45435	2283.95752
2269.0	0.000434	2231.97705	2290.12427
2301.0	0.000434	2231.50000	2298.25708
2354.0	0.000416	2231.02271	2308.85986
2397.0	0.000416	2230.54565	2322.43091
2508.0	0.000400	2230.06812	2339.37500
2507.0	0.000400	2229.59106	2359.89063
2650.0	0.000384	2229.11377	2383.80957
2751.0	0.000370	2228.63647	2410.35132
2867.0	0.0003429	2228.15918	2437.76587
2986.0	0.0003306	2227.68213	2462.97925
2912.0	0.0003429	2227.20483	2481.74561
2901.0	0.0003429	2226.72754	2490.04443



2791.0	0.000356	2226.25024	2485.31934
2786.0	0.000356	2225.77295	2471.97705
2703.0	0.000370	2225.29590	2453.42798
2597.0	0.000384	2224.81836	2434.22998
2578.0	0.000384	2224.34131	2417.78955
2539.0	0.000400	2223.86401	2406.32617
2498.0	0.000400	2223.38672	2401.24097
2460.0	0.000400	2222.90942	2403.42480
2520.0	0.000400	2222.43213	2413.43311
2511.0	0.000400	2221.95483	2431.55078
2647.0	0.000384	2221.47754	2457.77856
2711.0	0.000370	2221.00024	2491.71069
3010.0	0.0003306	2220.52295	2532.25269
3127.0	0.0003189	2220.04565	2577.18311
3193.0	0.0003078	2219.56836	2622.90039
3350.0	0.0002973	2219.09106	2665.18506
3359.0	0.0002973	2218.61377	2701.42725
3364.0	0.0002973	2218.13623	2732.71509
3441.0	0.0002873	2217.65894	2762.20215
3553.0	0.0002778	2217.18164	2795.94653
3493.0	0.0002873	2216.70435	2833.98779
3601.0	0.0002778	2216.22681	2873.13159
3586.0	0.0002778	2215.74951	2906.44141
3581.0	0.0002778	2215.27222	2925.18579
3419.0	0.0002973	2214.79492	2921.51538
3445.0	0.0002873	2214.31738	2891.32715
3321.0	0.0002973	2213.84009	2836.68140
3052.0	0.0003306	2213.36279	2765.49390
2978.0	0.0003306	2212.88525	2687.80591
2874.0	0.0003429	2212.40771	2611.91675
2691.0	0.000370	2211.93042	2542.96118
2517.0	0.000400	2211.45288	2483.35669
2458.0	0.000400	2210.97559	2433.71069
2401.0	0.000416	2210.49805	2393.55078
2367.0	0.000416	2210.02075	2361.80615
2330.0	0.000434	2209.54321	2337.13452
2346.0	0.000434	2209.06567	2318.14941
2294.0	0.000434	2208.58813	2303.57178
2297.0	0.000434	2208.11084	2292.31860
2326.0	0.000434	2207.63330	2283.52832
2270.0	0.000434	2207.15576	2276.55444
2249.0	0.000453	2206.67822	2270.93164
2232.0	0.000453	2206.20068	2266.33569
2235.0	0.000453	2205.72314	2262.54590
2256.0	0.000453	2205.24561	2259.41333
2252.0	0.000453	2204.76807	2256.83569
2222.0	0.000453	2204.29053	2254.74536
2205.0	0.000453	2203.81299	2252.57080
2213.0	0.000453	2203.33545	2251.34204
2242.0	0.000453	2202.85791	2250.50806
2249.0	0.000453	2202.38037	2250.06396
2213.0	0.000453	2201.90259	2250.01538
2205.0	0.000453	2201.42505	2250.38135
2261.0	0.000434	2200.94727	2251.19336

2296.0	0.000434	2200.46973	2252.50317
2219.0	0.000453	2199.99219	2254.38672
2266.0	0.000434	2199.51440	2256.95947
2238.0	0.000453	2199.03687	2260.39502
2196.0	0.000453	2198.55908	2265.79883
2268.0	0.000434	2198.08154	2271.87354
2332.0	0.000434	2197.60376	2279.99585
2237.0	0.000453	2197.12622	2290.91968
2248.0	0.000453	2196.64844	2305.63232
2237.0	0.000453	2196.17065	2325.35132
2261.0	0.000434	2195.69312	2351.46655
2321.0	0.000434	2195.21533	2385.41675
2303.0	0.000434	2194.73755	2428.48657
2314.0	0.000434	2194.25977	2481.52344
2412.0	0.000416	2193.78198	2544.55591
2527.0	0.000400	2193.30420	2616.24023
2574.0	0.000384	2192.82642	2693.02222
2700.0	0.000370	2192.34863	2768.04565
2709.0	0.000370	2191.87085	2830.52417
2823.0	0.000356	2191.39307	2867.45093
2836.0	0.000356	2190.91528	2868.99097
2845.0	0.000356	2190.43750	2834.49609
2726.0	0.000370	2189.95947	2772.94727
2718.0	0.000370	2189.48169	2697.31958
2548.0	0.000400	2189.00391	2618.82446
2440.0	0.000416	2188.52612	2544.78467
2432.0	0.000416	2188.04834	2479.09058
2332.0	0.000434	2187.57031	2423.29956
2317.0	0.000434	2187.09253	2377.51270
2288.0	0.000434	2186.61450	2340.95532
2292.0	0.000434	2186.13672	2312.37476
2271.0	0.000434	2185.65869	2290.33643
2202.0	0.000453	2185.18091	2273.43091
2248.0	0.000453	2184.70288	2260.41089
2245.0	0.000453	2184.22485	2250.25488
2184.0	0.000453	2183.74707	2242.17627
2240.0	0.000453	2183.26904	2235.59912
2217.0	0.000453	2182.79102	2230.11865
2214.0	0.000453	2182.31299	2225.45410
2205.0	0.000453	2181.83521	2221.41406
2126.0	0.000473	2181.35693	2217.86548
2100.0	0.000473	2180.87915	2214.71484
2199.0	0.000453	2180.40112	2211.89331
2178.0	0.000453	2179.92310	2209.34766
2206.0	0.000453	2179.44507	2207.03735
2217.0	0.000453	2178.96704	2204.92920
2175.0	0.000453	2178.48901	2202.99585
2193.0	0.000453	2178.01099	2201.21509
2201.0	0.000453	2177.53296	2200.33472
2169.0	0.000453	2177.05469	2198.81958
2149.0	0.000473	2176.57690	2197.40967
2214.0	0.000453	2176.09888	2195.71045
2216.0	0.000453	2175.62061	2194.48438
2155.0	0.000473	2175.14258	2193.33325

2198.0	0.000453	2174.66455	2192.25024
2215.0	0.000453	2174.18652	2191.22900
2223.0	0.000453	2173.70825	2190.26392
2162.0	0.000473	2173.23022	2189.35132
2182.0	0.000453	2172.75195	2188.48657
2203.0	0.000453	2172.27393	2187.66675
2215.0	0.000453	2171.79590	2186.88892
2194.0	0.000453	2171.31763	2186.15088
2206.0	0.000453	2170.83960	2185.45044
2159.0	0.000473	2170.36133	2184.78613
2211.0	0.000453	2169.88330	2184.15698
2158.0	0.000473	2169.40503	2183.56177
2184.0	0.000453	2168.92700	2182.99951
2184.0	0.000453	2168.44873	2182.00073
2147.0	0.000473	2167.97046	2181.51367
2184.0	0.000453	2167.49243	2181.88989
2153.0	0.000473	2167.01416	2181.48071
2110.0	0.000473	2166.53613	2181.10669
2160.0	0.000473	2166.05786	2180.76758
2172.0	0.000453	2165.57959	2180.46606
2082.0	0.000473	2165.10132	2179.83008
2183.0	0.000453	2164.62329	2179.61621
2173.0	0.000453	2164.14502	2178.65723
2164.0	0.000453	2163.66675	2178.55005
2115.0	0.000473	2163.18872	2178.49463
2181.0	0.000453	2162.71045	2178.49438
2196.0	0.000453	2162.23218	2178.55615
2175.0	0.000453	2161.75391	2178.68628
2166.0	0.000453	2161.27563	2178.89233
2236.0	0.000453	2160.79736	2179.18335
2197.0	0.000453	2160.31934	2179.57129
2224.0	0.000453	2159.84106	2180.06787
2174.0	0.000453	2159.36279	2180.68994
2188.0	0.000453	2158.88452	2181.45557
2217.0	0.000453	2158.40625	2182.38843
2167.0	0.000453	2157.92822	2183.51782
2210.0	0.000453	2157.44971	2184.88110
2200.0	0.000453	2156.97168	2186.52905
2146.0	0.000473	2156.49341	2188.53101
2175.0	0.000453	2156.01514	2190.98560
2210.0	0.000453	2155.53711	2194.03613
2204.0	0.000453	2155.05859	2197.88721
2229.0	0.000453	2154.58057	2202.83545
2213.0	0.000453	2154.10229	2209.28906
2135.0	0.000473	2153.62402	2217.79419
2202.0	0.000453	2153.14575	2229.04175
2207.0	0.000453	2152.66748	2243.85229
2260.0	0.000434	2152.18945	2263.12354
2226.0	0.000453	2151.71118	2287.73633
2241.0	0.000453	2151.23291	2318.41553
2317.0	0.000434	2150.75464	2355.54126
2347.0	0.000434	2150.27637	2398.89160
2467.0	0.000400	2149.79810	2447.26782
2514.0	0.000400	2149.32007	2497.93896

2523.0	0.000400	2148.84180	2545.99463
2546.0	0.000400	2148.36353	2584.19824
2572.0	0.000384	2147.88550	2604.49951
2544.0	0.000400	2147.40723	2601.60986
2477.0	0.000400	2146.92920	2576.24097
2512.0	0.000400	2146.45068	2534.63330
2483.0	0.000400	2145.97266	2484.91016
2492.0	0.000400	2145.49438	2433.85742
2423.0	0.000416	2145.01636	2385.86890
2391.0	0.000416	2144.53809	2343.28906
2281.0	0.000434	2144.06006	2307.06714
2377.0	0.000416	2143.58203	2277.27002
2237.0	0.000453	2143.10376	2253.42749
2256.0	0.000453	2142.62549	2234.77075
2196.0	0.000453	2142.14746	2220.40918
2116.0	0.000473	2141.66943	2209.46021
2217.0	0.000453	2141.19116	2201.13525
2198.0	0.000453	2140.71313	2193.54663
2164.0	0.000453	2140.23511	2188.67749
2190.0	0.000453	2139.75684	2184.96191
2166.0	0.000453	2139.27881	2182.00879
2158.0	0.000473	2138.80078	2179.70313
2227.0	0.000453	2138.32275	2177.92871
2182.0	0.000453	2137.84448	2176.61060
2158.0	0.000473	2137.36670	2175.70776
2155.0	0.000473	2136.88843	2175.19849
2129.0	0.000473	2136.41064	2175.08301
2121.0	0.000473	2135.93262	2175.38062
2161.0	0.000473	2135.45459	2176.13477
2126.0	0.000473	2134.97656	2177.41992
2153.0	0.000473	2134.49854	2179.35620
2181.0	0.000453	2134.02075	2182.12427
2175.0	0.000453	2133.54272	2185.98633
2200.0	0.000453	2133.06470	2191.30981
2225.0	0.000453	2132.58691	2198.58228
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2161.0	0.000473	2131.63110	2221.51709
2225.0	0.000453	2131.15332	2238.66406
2170.0	0.000453	2130.67554	2260.59155
2278.0	0.000434	2130.19751	2287.88110
2369.0	0.000416	2129.71973	2321.18506
2295.0	0.000434	2129.24194	2359.44141
2393.0	0.000416	2128.76416	2401.87061
2414.0	0.000416	2128.28638	2445.94604
2469.0	0.000400	2127.80859	2487.25049
2562.0	0.000384	2127.33081	2519.52417
2642.0	0.000384	2126.85303	2535.75806
2678.0	0.000370	2126.37549	2531.78784
2653.0	0.000370	2125.89771	2508.53833
2545.0	0.000400	2125.42017	2471.50586
2432.0	0.000416	2124.94238	2427.66943
2387.0	0.000416	2124.46484	2382.74487
2339.0	0.000434	2123.98730	2340.49365
2315.0	0.000434	2123.50952	2302.92188

2231.0	0.000434	2123.03198	2270.85254
2240.0	0.000453	2122.55444	2244.35718
2199.0	0.000453	2122.07690	2223.04272
2163.0	0.000453	2121.59937	2206.25684
2177.0	0.000453	2121.12207	2193.23608
2092.0	0.000473	2120.64453	2183.21899
2146.0	0.000473	2120.16699	2175.51758
2071.0	0.000473	2119.68970	2169.55762
2148.0	0.000473	2119.21240	2164.88843
2130.0	0.000473	2118.73486	2161.17285
2110.0	0.000473	2118.25757	2158.17090
2137.0	0.000473	2117.78027	2155.71484
2136.0	0.000473	2117.30298	2153.69043
2125.0	0.000473	2116.82568	2152.02051
2070.0	0.000494	2116.34863	2150.65259
2147.0	0.000473	2115.87134	2149.55078
2174.0	0.000453	2115.39429	2148.69141
2078.0	0.000473	2114.91699	2148.05762
2119.0	0.000473	2114.43994	2147.64722
2101.0	0.000473	2113.96265	2147.63916
2112.0	0.000473	2113.48584	2147.65259
2172.0	0.000453	2113.00854	2147.88647
2053.0	0.000494	2112.53174	2148.35083
2198.0	0.000453	2112.05493	2149.06128
2205.0	0.000453	2111.57764	2150.03979
2235.0	0.000453	2111.10083	2151.31665
2070.0	0.000473	2110.62402	2152.92969
2095.0	0.000473	2110.14722	2154.93140
2172.0	0.000453	2109.67017	2157.39282
2092.0	0.000473	2109.19360	2160.41235
2202.0	0.000453	2108.71680	2164.12915
2183.0	0.000453	2108.23999	2168.74756
2166.0	0.000453	2107.76343	2174.55811
2204.0	0.000453	2107.28687	2181.97729
2132.0	0.000473	2106.81030	2191.58569
2190.0	0.000453	2106.33350	2204.15820
2262.0	0.000434	2105.85718	2220.68970
2341.0	0.000434	2105.38037	2242.37549
2346.0	0.000434	2104.90405	2270.56104
2331.0	0.000434	2104.42773	2306.61890
2415.0	0.000416	2103.95117	2351.77295
2397.0	0.000416	2103.47510	2406.85010
2363.0	0.000416	2102.99854	2471.95679
2510.0	0.000400	2102.52246	2546.02051
2588.0	0.000384	2102.04614	2626.11426
2661.0	0.000370	2101.56982	2706.84839
2725.0	0.000370	2101.09375	2778.39185
2622.0	0.000384	2100.61768	2828.96948
2677.0	0.000370	2100.14160	2847.30054
2690.0	0.000370	2099.66553	2828.57324
2502.0	0.000400	2099.18970	2777.43408
2458.0	0.000400	2098.71362	2705.09668
2336.0	0.000434	2098.23779	2623.66504
2394.0	0.000416	2097.76196	2542.42847

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2222.0	0.000453	2096.81030	2400.08569
2291.0	0.000434	2096.33472	2343.75464
2222.0	0.000453	2095.85913	2297.35181
2194.0	0.000453	2095.38330	2260.05811
2176.0	0.000453	2094.90796	2230.65552
2145.0	0.000473	2094.43213	2207.76978
2222.0	0.000453	2093.95679	2190.05493
2217.0	0.000453	2093.48120	2176.30835
2290.0	0.000434	2093.00610	2165.53247
2289.0	0.000434	2092.53076	2156.94604
2219.0	0.000453	2092.05542	2149.96362
2356.0	0.000416	2091.58032	2144.16504
2249.0	0.000453	2091.10498	2139.25391
2278.0	0.000434	2090.62988	2135.02515
2268.0	0.000434	2090.15479	2131.33447
2194.0	0.000453	2089.67969	2128.08008
2252.0	0.000453	2089.20459	2125.18750
2147.0	0.000473	2088.72974	2122.60083
2168.0	0.000453	2088.25513	2120.27710
2109.0	0.000473	2087.78027	2118.18066
2167.0	0.000453	2087.30566	2116.28442
2114.0	0.000473	2086.83081	2114.56494
2024.0	0.000494	2086.35620	2113.00391
2149.0	0.000473	2085.88159	2111.58521
2182.0	0.000453	2085.40698	2110.29614
2142.0	0.000473	2084.93237	2109.12646
2051.0	0.000494	2084.45825	2108.06885
2102.0	0.000473	2083.98389	2107.11572
2102.0	0.000473	2083.50952	2106.26270
2059.0	0.000494	2083.03540	2105.50781
2119.0	0.000473	2082.56104	2104.85010
2096.0	0.000473	2082.08716	2104.29028
2089.0	0.000473	2081.61304	2103.83252
2107.0	0.000473	2081.13916	2103.48438
2138.0	0.000473	2080.66528	2103.25928
2180.0	0.000453	2080.19116	2103.17480
2081.0	0.000473	2079.71753	2103.26050
2074.0	0.000473	2079.24365	2103.55591
2053.0	0.000494	2078.77026	2104.11670
2086.0	0.000473	2078.29639	2105.01196
2041.0	0.000494	2077.82300	2106.32910
2108.0	0.000473	2077.34961	2108.16724
2046.0	0.000494	2076.87622	2110.63208
2160.0	0.000473	2076.40283	2113.04639
2028.0	0.000494	2075.92969	2117.05518
2201.0	0.000453	2075.45654	2121.90405
2195.0	0.000453	2074.98315	2127.55762
2154.0	0.000473	2074.51025	2133.86890
2205.0	0.000453	2074.03735	2140.52173
2176.0	0.000453	2073.56445	2146.96509
2149.0	0.000473	2073.09155	2152.40894
2128.0	0.000473	2072.61890	2155.99707
2217.0	0.000453	2072.14624	2157.17847

2217.0	0.000453	2071.67358	2156.05444
2131.0	0.000473	2071.20117	2153.36255
2184.0	0.000453	2070.72852	2150.12427
2181.0	0.000453	2070.25610	2147.31299
2153.0	0.000473	2069.78369	2145.69995
2125.0	0.000473	2069.31152	2145.92944
2140.0	0.000473	2068.83960	2148.56567
2102.0	0.000473	2068.36743	2154.15820
2159.0	0.000473	2067.89551	2163.26782
2140.0	0.000473	2067.42334	2176.45386
2212.0	0.000453	2066.95166	2194.23022
2284.0	0.000434	2066.47974	2216.99463
2258.0	0.000434	2066.00830	2244.94946
2331.0	0.000434	2065.53662	2277.80859
2410.0	0.000416	2065.06519	2314.75781
2405.0	0.000416	2064.59375	2353.96484
2557.0	0.000384	2064.12231	2392.96240
2476.0	0.000400	2063.65112	2425.62500
2439.0	0.000416	2063.17993	2447.48169
2686.0	0.000370	2062.70898	2454.86450
2526.0	0.000400	2062.23779	2447.57593
2699.0	0.000370	2061.76685	2428.76270
2444.0	0.000416	2061.29614	2402.79468
2652.0	0.000384	2060.82544	2373.22900
2659.0	0.000370	2060.35474	2342.22974
2497.0	0.000400	2059.88403	2311.12158
2503.0	0.000400	2059.41382	2281.02026
2426.0	0.000416	2058.94312	2252.91748
2250.0	0.000453	2058.47290	2227.45825
2310.0	0.000434	2058.00269	2204.86182
2365.0	0.000416	2057.53271	2185.10254
2113.0	0.000473	2057.06274	2168.09033
2213.0	0.000453	2056.59277	2153.72388
2323.0	0.000434	2056.12305	2141.85620
2170.0	0.000453	2055.65308	2132.28101
2159.0	0.000473	2055.18359	2124.76904
2127.0	0.000473	2054.71387	2119.10132
2191.0	0.000453	2054.24463	2115.10791
2152.0	0.000473	2053.77515	2112.68604
2228.0	0.000453	2053.30591	2111.80933
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2224.0	0.000453	2052.36768	2114.97754
2200.0	0.000453	2051.89893	2119.32813
2202.0	0.000453	2051.42993	2125.78735
2237.0	0.000453	2050.96118	2134.54297
2288.0	0.000434	2050.49243	2145.70801
2240.0	0.000453	2050.02393	2159.25220
2296.0	0.000434	2049.55542	2174.90625
2481.0	0.000400	2049.08716	2192.01978
2499.0	0.000400	2048.61890	2209.38208
2511.0	0.000400	2048.15088	2225.06592
2577.0	0.000384	2047.68286	2236.54785
2567.0	0.000384	2047.21472	2241.38306
2544.0	0.000400	2046.74707	2238.32788

2315.0	0.000434	2046.27917	2228.06421
2306.0	0.000434	2045.81165	2212.79810
2259.0	0.000434	2045.34424	2195.14893
2253.0	0.000453	2044.87683	2177.27710
2174.0	0.000453	2044.40967	2160.62354
2183.0	0.000453	2043.94238	2146.01172
2138.0	0.000473	2043.47534	2133.84814
2173.0	0.000453	2043.00830	2124.27466
2174.0	0.000453	2042.54163	2117.28906
2185.0	0.000453	2042.07483	2112.82837
2213.0	0.000453	2041.60828	2110.83398
2141.0	0.000473	2041.14185	2111.30371
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2121.0	0.000473	2040.20923	2120.06348
2141.0	0.000473	2039.74292	2128.78174
2307.0	0.000434	2039.27698	2140.75977
2353.0	0.000416	2038.81104	2156.24683
2416.0	0.000416	2038.34534	2175.37354
2427.0	0.000416	2037.87952	2198.03979
2537.0	0.000400	2037.41406	2223.76172
2532.0	0.000400	2036.94873	2251.44800
2488.0	0.000400	2036.48328	2279.12695
2577.0	0.000384	2036.01819	2303.79663
2516.0	0.000400	2035.55310	2321.79492
2535.0	0.000400	2035.08826	2330.05542
2524.0	0.000400	2034.62329	2327.72705
2643.0	0.000384	2034.15869	2316.77393
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2649.0	0.000384	2033.22961	2283.07007
2664.0	0.000370	2032.76550	2267.62842
2681.0	0.000370	2032.30115	2255.14722
2654.0	0.000370	2031.83716	2245.79224
2699.0	0.000370	2031.37317	2238.64111
2663.0	0.000370	2030.90942	2231.91479
2627.0	0.000384	2030.44568	2223.52026
2665.0	0.000370	2029.98230	2211.93506
2507.0	0.000400	2029.51892	2197.56567
2447.0	0.000416	2029.05554	2180.15234
2425.0	0.000416	2028.59253	2161.84082
2490.0	0.000400	2028.12939	2143.97437
2390.0	0.000416	2027.66663	2127.44238
2240.0	0.000453	2027.20386	2112.71313
2277.0	0.000434	2026.74121	2099.95850
2225.0	0.000453	2026.27869	2089.15967
2218.0	0.000453	2025.81653	2080.18188
2156.0	0.000473	2025.35437	2072.82178
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2121.0	0.000473	2024.43042	2061.99829
2050.0	0.000494	2023.96851	2058.06787
2056.0	0.000494	2023.50696	2054.85205
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2091.0	0.000473	2015.22253	2036.80554
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2035.0	0.000494	2014.30505	2036.74609
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2142.0	0.000473	2006.98804	2062.62598
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2155.0	0.000473	2006.07629	2075.87866
2168.0	0.000453	2005.62085	2085.08936
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2231.0	0.000453	2004.71008	2111.43286
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2234.0	0.000453	2003.80017	2153.65356
2235.0	0.000453	2003.34521	2183.10986
2317.0	0.000434	2002.89075	2219.32813
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2457.0	0.000400	2001.98218	2313.83789
2460.0	0.000400	2001.52820	2371.05322
2506.0	0.000400	2001.07422	2432.62085
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2615.0	0.000384	2000.16699	2552.12085
2695.0	0.000370	1999.71375	2596.80518
2779.0	0.000356	1999.26062	2620.83472
2825.0	0.000356	1998.80762	2618.68628
2907.0	0.0003429	1998.35486	2590.85547
2721.0	0.000370	1997.90222	2541.71533
2657.0	0.000370	1997.44983	2480.97363
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2227.0	0.000453	1994.73901	2163.72583
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1981.0	0.000494	1981.73450	2007.12830
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1989.0	0.000494	1980.84387	2006.71350
2032.0	0.000494	1980.39893	2006.64392
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1997.0	0.000494	1978.62097	2007.63843
1976.0	0.000517	1978.17712	2008.12585
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2067.0	0.000494	1975.96069	2013.04211
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2181.0	0.000453	1968.02698	2315.14722
2303.0	0.000434	1967.58826	2367.54712
2355.0	0.000416	1967.14990	2418.19482
2498.0	0.000400	1966.71179	2461.24536
2522.0	0.000400	1966.27393	2490.40503
2505.0	0.000400	1965.83630	2500.23291
2535.0	0.000400	1965.39880	2489.39648
2442.0	0.000416	1964.96167	2461.39063
2422.0	0.000416	1964.52454	2422.80005
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2277.0	0.000434	1963.21509	2306.08398
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2155.0	0.000473	1961.90784	2256.65991
2181.0	0.000453	1961.47241	2259.41406
2153.0	0.000473	1961.03748	2270.58887
2258.0	0.000434	1960.60254	2288.30298
2231.0	0.000453	1960.16797	2309.67896
2313.0	0.000434	1959.73364	2330.68481
2351.0	0.000434	1959.29956	2346.34985
2503.0	0.000400	1958.86560	2351.80688
2427.0	0.000416	1958.43213	2344.07739
2560.0	0.000384	1957.99878	2323.41455
2521.0	0.000400	1957.56567	2292.96826
2481.0	0.000400	1957.13281	2257.09155
2375.0	0.000416	1956.70020	2219.72388
2341.0	0.000434	1956.26782	2183.67896
2334.0	0.000434	1955.83569	2150.65967
2209.0	0.000453	1955.40393	2121.53198
2182.0	0.000453	1954.97241	2096.59375
2129.0	0.000473	1954.54089	2075.76660
2123.0	0.000473	1954.10986	2058.73315
2139.0	0.000473	1953.67896	2045.03906
2094.0	0.000473	1953.24841	2034.83423
2080.0	0.000473	1952.81799	2026.29053
2025.0	0.000494	1952.38806	2019.59521
2037.0	0.000494	1951.95813	2014.34875
2064.0	0.000494	1951.52869	2010.22913
2062.0	0.000494	1951.09937	2006.98694
1968.0	0.000517	1950.67029	2004.43945
1985.0	0.000494	1950.24158	2002.45593
1985.0	0.000494	1949.81287	2000.94836
2032.0	0.000494	1949.38477	1999.86096

2056.0	0.000494	1948.95667	1999.16199
1956.0	0.000517	1948.52893	1998.84082
2025.0	0.000494	1948.10144	1998.90515
2028.0	0.000494	1947.67432	1999.38232
2047.0	0.000494	1947.24744	2000.32129
2003.0	0.000494	1946.82068	2001.79810
1959.0	0.000517	1946.39429	2003.92041
2066.0	0.000494	1945.96802	2006.83398
2128.0	0.000473	1945.54224	2010.72559
2046.0	0.000494	1945.11658	2015.82727
1996.0	0.000494	1944.69128	2022.41199
2060.0	0.000494	1944.26624	2030.78809
2141.0	0.000473	1943.84143	2041.28760
2079.0	0.000473	1943.41687	2054.24634
2108.0	0.000473	1942.99255	2069.97778
2177.0	0.000453	1942.56860	2088.72705
2252.0	0.000453	1942.14478	2110.62427
2281.0	0.000434	1941.72144	2135.54272
2388.0	0.000416	1941.29822	2162.97656
2344.0	0.000434	1940.87537	2191.93018
2431.0	0.000416	1940.45288	2220.99927
2366.0	0.000416	1940.03040	2248.81909
2405.0	0.000416	1939.60840	2274.71118
2396.0	0.000416	1939.18652	2298.97388
2369.0	0.000416	1938.76514	2322.37402
2308.0	0.000434	1938.34387	2345.29443
2331.0	0.000434	1937.92297	2366.64941
2361.0	0.000416	1937.50220	2382.95825
2377.0	0.000416	1937.08191	2391.84253
2421.0	0.000416	1936.66187	2389.08032
2426.0	0.000416	1936.24194	2373.51221
2467.0	0.000400	1935.82251	2347.13623
2366.0	0.000416	1935.40320	2314.18555
2292.0	0.000434	1934.98425	2279.36597
2236.0	0.000453	1934.56555	2246.59595
2263.0	0.000434	1934.14722	2218.64136
2241.0	0.000453	1933.72913	2197.26318
2156.0	0.000473	1933.31128	2183.48413
2166.0	0.000453	1932.89380	2177.77808
2174.0	0.000453	1932.47644	2180.17065
2155.0	0.000473	1932.05969	2190.26343
2227.0	0.000453	1931.64294	2207.19604
2254.0	0.000453	1931.22656	2229.53271
2231.0	0.000453	1930.81042	2255.06519
2343.0	0.000434	1930.39478	2280.59082
2330.0	0.000434	1929.97937	2301.90649
2458.0	0.000400	1929.56409	2314.43066
2425.0	0.000416	1929.14929	2314.64136
2312.0	0.000434	1928.73450	2301.63062
2267.0	0.000434	1928.32031	2277.49414
2273.0	0.000434	1927.90625	2246.16992
2201.0	0.000453	1927.49255	2211.78540
2119.0	0.000473	1927.07910	2177.61597
2179.0	0.000453	1926.66602	2145.85303

2138.0	0.000473	1926.25330	2117.79639
2078.0	0.000473	1925.84070	2094.12061
2080.0	0.000473	1925.42859	2075.09814
2091.0	0.000473	1925.01660	2060.74731
1988.0	0.000494	1924.60510	2050.93652
2071.0	0.000473	1924.19373	2045.45776
2065.0	0.000494	1923.78271	2044.07141
2007.0	0.000494	1923.37207	2046.52759
2084.0	0.000473	1922.96167	2052.56055
2111.0	0.000473	1922.55164	2061.86108
1990.0	0.000494	1922.14172	2074.01636
2048.0	0.000494	1921.73230	2088.42114
2127.0	0.000473	1921.32312	2104.14844
2155.0	0.000473	1920.91431	2119.80908
2197.0	0.000453	1920.50574	2133.51147
2163.0	0.000453	1920.09753	2143.12012
2081.0	0.000473	1919.68970	2146.93774
2123.0	0.000473	1919.28198	2144.52563
2145.0	0.000473	1918.87476	2137.02563
2145.0	0.000473	1918.46765	2126.66602
2090.0	0.000473	1918.06104	2115.91602
2018.0	0.000494	1917.65466	2106.87183
2092.0	0.000473	1917.24866	2101.05444
2017.0	0.000494	1916.84290	2099.44019
2056.0	0.000494	1916.43750	2102.54150
2088.0	0.000473	1916.03247	2110.45044
2076.0	0.000473	1915.62769	2122.82593
2120.0	0.000473	1915.22327	2138.81909
2175.0	0.000453	1914.81897	2156.93457
2251.0	0.000453	1914.41528	2174.89038
2332.0	0.000434	1914.01160	2189.64453
2317.0	0.000434	1913.60852	2197.89038
2214.0	0.000453	1913.20581	2197.11108
2350.0	0.000434	1912.80310	2186.68677
2292.0	0.000434	1912.40100	2168.14233
2298.0	0.000434	1911.99902	2144.30444
2324.0	0.000434	1911.59753	2118.12354
2219.0	0.000453	1911.19617	2091.93164
2193.0	0.000453	1910.79529	2067.27319
2101.0	0.000473	1910.39465	2045.03162
2078.0	0.000473	1909.99438	2025.61816
2083.0	0.000473	1909.59460	2009.12573
2031.0	0.000494	1909.19482	1995.43494
2015.0	0.000494	1908.79565	1984.29517
1953.0	0.000517	1908.39661	1975.38147
2019.0	0.000494	1907.99805	1968.34534
2041.0	0.000494	1907.59961	1962.84924
1972.0	0.000517	1907.20178	1958.59070
1996.0	0.000494	1906.80408	1954.68091
1970.0	0.000517	1906.40674	1952.19434
1958.0	0.000517	1906.00989	1950.33423
2037.0	0.000494	1905.61316	1948.99133
1988.0	0.000494	1905.21692	1948.09180
1982.0	0.000494	1904.82080	1947.59106

1902.0	0.000517	1904.42529	1947.46973
1929.0	0.000517	1904.02991	1947.72803
1985.0	0.000494	1903.63501	1948.38855
1976.0	0.000517	1903.24048	1949.49707
1908.0	0.000517	1902.84607	1951.12769
1886.0	0.000541	1902.45215	1953.39478
1819.0	0.000541	1902.05847	1956.46094
1923.0	0.000517	1901.66528	1960.55371
1888.0	0.000541	1901.27234	1965.97803
1933.0	0.000517	1900.87976	1973.12891
1884.0	0.000541	1900.48743	1982.05457
1924.0	0.000517	1900.09558	1994.21411
2086.0	0.000473	1899.70410	2009.79541
1955.0	0.000517	1899.31274	2029.44727
1932.0	0.000517	1898.92200	2053.76855
2075.0	0.000473	1898.53137	2083.21533
1965.0	0.000517	1898.14124	2117.99219
2018.0	0.000494	1897.75134	2157.90503
2016.0	0.000494	1897.36182	2202.16260
2124.0	0.000473	1896.97266	2249.09424
1988.0	0.000494	1896.58386	2295.80029
2061.0	0.000494	1896.19556	2337.89819
2108.0	0.000473	1895.80725	2369.78442
2133.0	0.000473	1895.41956	2385.91309
2126.0	0.000473	1895.03210	2382.92969
2003.0	0.000494	1894.64514	2361.33032
2036.0	0.000494	1894.25830	2325.19678
2061.0	0.000494	1893.87207	2280.26611
2079.0	0.000473	1893.48608	2231.93286
1978.0	0.000517	1893.10034	2184.18091
1953.0	0.000517	1892.71521	2139.59521
1945.0	0.000517	1892.33008	2099.60010
1960.0	0.000517	1891.94556	2064.81885
2079.0	0.000473	1891.56128	2035.32947
1888.0	0.000541	1891.17749	2010.85242
1890.0	0.000541	1890.79382	1990.88403
1966.0	0.000517	1890.41077	1974.80359
1938.0	0.000517	1890.02795	1961.95544
1936.0	0.000517	1889.64551	1951.71289
2048.0	0.000494	1889.26343	1943.51636
1967.0	0.000517	1888.88159	1936.89441
1922.0	0.000517	1888.50037	1931.46826
1962.0	0.000517	1888.11926	1926.94434
1978.0	0.000517	1887.73865	1923.10364
1869.0	0.000541	1887.35828	1919.78516
1918.0	0.000517	1886.97839	1916.87292
1947.0	0.000517	1886.59888	1914.28271
1976.0	0.000517	1886.21960	1911.95410
1943.0	0.000517	1885.84082	1909.84180
1991.0	0.000494	1885.46228	1907.91199
1926.0	0.000517	1885.08423	1906.13831
1926.0	0.000517	1884.70642	1904.78906
1927.0	0.000517	1884.32910	1903.27209
1940.0	0.000517	1883.95203	1901.85791

1968.0	0.000517	1883.57532	1900.34229
2018.0	0.000494	1883.19922	1899.10254
1903.0	0.000517	1882.82324	1897.93457
1808.0	0.000541	1882.44763	1896.83057
1992.0	0.000494	1882.07239	1895.78394
1935.0	0.000517	1881.69763	1894.78882
1927.0	0.000517	1881.32312	1893.84009
1972.0	0.000517	1880.94910	1892.93323
1814.0	0.000541	1880.57556	1891.59265
1991.0	0.000494	1880.20215	1890.76465
1894.0	0.000517	1879.82922	1889.96851
1962.0	0.000517	1879.45654	1889.20068
1880.0	0.000541	1879.08447	1888.45935
1969.0	0.000517	1878.71252	1887.74158
1920.0	0.000517	1878.34119	1887.04614
1939.0	0.000517	1877.96997	1886.37061
1904.0	0.000517	1877.59937	1885.71423
1927.0	0.000517	1877.22900	1885.07495
1914.0	0.000517	1876.85901	1884.45142
2035.0	0.000494	1876.48950	1883.84314
1943.0	0.000517	1876.12024	1883.38049
1881.0	0.000541	1875.75146	1882.80078
1913.0	0.000517	1875.38293	1883.33386
1890.0	0.000541	1875.01501	1882.79321
1851.0	0.000541	1874.64734	1882.26318
1987.0	0.000494	1874.27991	1881.29211
1932.0	0.000517	1873.91309	1880.78845
1854.0	0.000541	1873.54651	1880.29382
1981.0	0.000494	1873.18030	1879.80737
1875.0	0.000541	1872.81445	1879.32886
1845.0	0.000541	1872.44910	1878.85828
1882.0	0.000541	1872.08411	1878.45789
1857.0	0.000541	1871.71948	1878.00244
1896.0	0.000517	1871.35535	1877.55371
1898.0	0.000517	1870.99146	1877.11108
1845.0	0.000541	1870.62793	1876.67444
1934.0	0.000517	1870.26477	1876.24377
1911.0	0.000517	1869.90222	1875.81873
1951.0	0.000517	1869.53979	1875.39905
1907.0	0.000517	1869.17786	1874.98450
1903.0	0.000517	1868.81628	1874.57507
1944.0	0.000517	1868.45520	1874.17065
1900.0	0.000517	1868.09448	1873.77100
1925.0	0.000517	1867.73401	1873.37585
1923.0	0.000517	1867.37402	1872.98535
1904.0	0.000517	1867.01440	1872.59937
1898.0	0.000517	1866.65527	1872.21753
1950.0	0.000517	1866.29639	1871.84021
1931.0	0.000517	1865.93799	1871.46667
1898.0	0.000517	1865.57996	1870.86438
1834.0	0.000541	1865.22229	1870.50256
1929.0	0.000517	1864.86511	1870.14502
1900.0	0.000517	1864.50818	1869.79126
1895.0	0.000517	1864.15173	1869.44153

1914.0	0.000517	1863.79565	1869.09583
1918.0	0.000517	1863.43994	1868.75391
1871.0	0.000541	1863.08459	1868.41589
1913.0	0.000517	1862.72986	1868.08203
1943.0	0.000517	1862.37537	1867.75208
1900.0	0.000517	1862.02124	1867.42615
1883.0	0.000541	1861.66760	1867.10461
1877.0	0.000541	1861.31421	1866.78674
1898.0	0.000517	1860.96130	1866.47327
1959.0	0.000517	1860.60876	1866.16418
1911.0	0.000517	1860.25671	1865.51782
1966.0	0.000517	1859.90491	1865.22241
1917.0	0.000517	1859.55371	1864.93140
1950.0	0.000517	1859.20288	1864.64514
1906.0	0.000517	1858.85229	1864.36328
1973.0	0.000517	1858.50220	1864.08643
1948.0	0.000517	1858.15247	1863.81470
1985.0	0.000494	1857.80322	1863.54810
1920.0	0.000517	1857.45422	1863.28687
1909.0	0.000517	1857.10571	1863.03125
1915.0	0.000517	1856.75769	1862.78162
1913.0	0.000517	1856.40991	1862.53796
1911.0	0.000517	1856.06274	1862.30078
1880.0	0.000541	1855.71570	1862.07019
1903.0	0.000517	1855.36926	1861.84680
1890.0	0.000541	1855.02319	1861.63086
1949.0	0.000517	1854.67749	1861.42236
1875.0	0.000541	1854.33215	1861.22229
1945.0	0.000517	1853.98743	1861.03113
1986.0	0.000494	1853.64307	1860.84924
1911.0	0.000517	1853.29883	1860.67676
1907.0	0.000517	1852.95532	1860.51501
1862.0	0.000541	1852.61194	1860.36438
1917.0	0.000517	1852.26917	1860.22607
1928.0	0.000517	1851.92676	1860.10083
1908.0	0.000517	1851.58484	1859.98938
1899.0	0.000517	1851.24316	1859.89294
1883.0	0.000541	1850.90198	1859.81348
1956.0	0.000517	1850.56128	1859.75232
1983.0	0.000494	1850.22083	1859.71143
1903.0	0.000517	1849.88086	1859.69324
2031.0	0.000494	1849.54126	1859.70166
1888.0	0.000541	1849.20215	1859.74048
1908.0	0.000517	1848.86340	1859.81494
1968.0	0.000517	1848.52515	1859.93262
1957.0	0.000517	1848.18738	1860.10193
1904.0	0.000517	1847.84973	1860.64905
1899.0	0.000517	1847.51282	1860.96106
1870.0	0.000541	1847.17603	1861.36340
1972.0	0.000517	1846.83984	1861.87256
2021.0	0.000494	1846.50391	1862.50488
1923.0	0.000517	1846.16858	1863.27661
1959.0	0.000517	1845.83350	1864.20044
1988.0	0.000494	1845.49902	1865.28467



1963.0	0.000517	1845.16492	1866.52979
2042.0	0.000494	1844.83105	1867.92395
2084.0	0.000473	1844.49780	1868.76941
2018.0	0.000494	1844.16479	1870.36414
2092.0	0.000473	1843.83228	1871.94800
2146.0	0.000473	1843.50012	1873.41443
2153.0	0.000473	1843.16858	1874.65491
2129.0	0.000473	1842.83728	1875.59900
2132.0	0.000473	1842.50647	1876.25562
2108.0	0.000473	1842.17615	1876.72131
2055.0	0.000494	1841.84595	1877.14966
2026.0	0.000494	1841.51648	1877.71448
2025.0	0.000494	1841.18726	1878.58301
1964.0	0.000517	1840.85864	1879.91577
1996.0	0.000494	1840.53027	1881.87402
1963.0	0.000517	1840.20239	1884.63135
1963.0	0.000517	1839.87500	1888.37988
1920.0	0.000517	1839.54785	1893.33301
2029.0	0.000494	1839.22131	1899.71924
1976.0	0.000517	1838.89502	1907.77014
2087.0	0.000473	1838.56921	1917.70007
2113.0	0.000473	1838.24377	1929.67944
2169.0	0.000453	1837.91895	1943.79858
2228.0	0.000453	1837.59436	1960.02283
2294.0	0.000434	1837.27026	1978.13269
2369.0	0.000416	1836.94678	1997.63770
2306.0	0.000434	1836.62341	2017.83032
2455.0	0.000400	1836.30066	2037.02136
2432.0	0.000416	1835.97815	2053.65649
2299.0	0.000434	1835.65625	2066.30786
2285.0	0.000434	1835.33459	2071.66309
2205.0	0.000453	1835.01355	2070.06763
2154.0	0.000473	1834.69287	2062.38818
2123.0	0.000473	1834.37268	2050.51855
2096.0	0.000473	1834.05286	2036.65869
2107.0	0.000473	1833.73340	2022.75842
2031.0	0.000494	1833.41443	2010.31445
2038.0	0.000494	1833.09583	2000.41711
1985.0	0.000494	1832.77771	1993.88281
2039.0	0.000494	1832.45996	1991.37891
2001.0	0.000494	1832.14282	1993.52161
1983.0	0.000494	1831.82593	2000.93738
2008.0	0.000494	1831.50952	2014.29578
2005.0	0.000494	1831.19348	2034.31372
2003.0	0.000494	1830.87793	2061.72339
2091.0	0.000473	1830.56287	2097.20679
2111.0	0.000473	1830.24805	2141.29199
2110.0	0.000473	1829.93384	2194.21313
2150.0	0.000473	1829.62000	2255.72192
2195.0	0.000453	1829.30652	2324.83887
2233.0	0.000453	1828.99365	2399.64868
2285.0	0.000434	1828.68103	2476.40576
2313.0	0.000434	1828.36902	2550.19775
2415.0	0.000416	1828.05725	2613.46729

2378.0	0.000416	1827.74597	2658.47583
2426.0	0.000416	1827.43506	2678.25244
2404.0	0.000416	1827.12476	2669.38281
2412.0	0.000416	1826.81482	2633.61060
2371.0	0.000416	1826.50525	2577.13721
2351.0	0.000434	1826.19629	2508.09473
2246.0	0.000453	1825.88757	2434.00146
2231.0	0.000453	1825.57935	2360.43091
2284.0	0.000434	1825.27148	2290.85181
2190.0	0.000453	1824.96411	2227.07617
2224.0	0.000453	1824.65723	2169.85059
2203.0	0.000453	1824.35071	2119.35449
2146.0	0.000473	1824.04468	2075.55786
2121.0	0.000473	1823.73901	2038.06030
2039.0	0.000494	1823.43384	2006.47229
2061.0	0.000494	1823.12903	1980.18372
1986.0	0.000494	1822.82483	1958.48816
2000.0	0.000494	1822.52087	1940.65979
2002.0	0.000494	1822.21741	1926.03784
1945.0	0.000517	1821.91443	1914.56494
1983.0	0.000494	1821.61182	1904.58777
1962.0	0.000517	1821.30981	1896.55615
1898.0	0.000517	1821.00793	1889.56616
1912.0	0.000517	1820.70679	1883.63623
1930.0	0.000517	1820.40588	1878.55811
1907.0	0.000517	1820.10559	1874.16956
1900.0	0.000517	1819.80554	1870.34204
1907.0	0.000517	1819.50598	1866.97656
1936.0	0.000517	1819.20691	1863.99475
1923.0	0.000517	1818.90820	1861.33459
1885.0	0.000541	1818.61011	1858.94885
1873.0	0.000541	1818.31226	1856.79883
1869.0	0.000541	1818.01501	1855.22144
1950.0	0.000517	1817.71802	1853.46252
1879.0	0.000541	1817.42163	1851.86450
1884.0	0.000541	1817.12549	1850.41003
1892.0	0.000541	1816.82996	1849.08655
1884.0	0.000541	1816.53491	1847.88184
1906.0	0.000517	1816.24011	1846.78638
1888.0	0.000541	1815.94592	1845.79175
1900.0	0.000517	1815.65198	1844.89185
1929.0	0.000517	1815.35864	1844.08032
1960.0	0.000517	1815.06567	1843.35352
1894.0	0.000517	1814.77319	1842.70715
1906.0	0.000517	1814.48108	1842.13892
1845.0	0.000541	1814.18945	1841.64661
1965.0	0.000517	1813.89832	1841.22852
1920.0	0.000517	1813.60754	1840.88599
1854.0	0.000541	1813.31726	1840.61841
1871.0	0.000541	1813.02734	1840.42737
1834.0	0.000541	1812.73792	1840.31567
1875.0	0.000541	1812.44885	1840.28674
1917.0	0.000517	1812.16040	1840.34583
1935.0	0.000517	1811.87219	1840.49829

1928.0	0.000517	1811.58459	1840.75427
1919.0	0.000517	1811.29736	1841.12451
1811.0	0.000541	1811.01050	1841.65527
1863.0	0.000541	1810.72424	1842.30786
1903.0	0.000517	1810.43823	1843.14148
1874.0	0.000541	1810.15283	1844.75769
1917.0	0.000517	1809.86780	1846.09790
1947.0	0.000517	1809.58325	1847.78967
1949.0	0.000517	1809.29907	1849.93140
1897.0	0.000517	1809.01538	1852.64978
1925.0	0.000517	1808.73218	1856.10120
1901.0	0.000517	1808.44922	1860.47375
1917.0	0.000517	1808.16699	1865.98157
1963.0	0.000517	1807.88489	1872.85498
1897.0	0.000517	1807.60352	1881.32300
1880.0	0.000541	1807.32239	1891.59424
1957.0	0.000517	1807.04175	1903.82507
1933.0	0.000517	1806.76172	1918.08496
2046.0	0.000494	1806.48193	1934.31067
2052.0	0.000494	1806.20264	1952.24658
2040.0	0.000494	1805.92383	1971.36060
2086.0	0.000473	1805.64539	1990.73889
2165.0	0.000453	1805.36743	2008.99146
2184.0	0.000453	1805.08997	2024.27039
2210.0	0.000453	1804.81274	2034.54968
2240.0	0.000453	1804.53625	2038.21472
2201.0	0.000453	1804.26013	2034.71948
2120.0	0.000473	1803.98425	2024.84692
2144.0	0.000473	1803.70898	2010.35046
2126.0	0.000473	1803.43408	1993.27686
1982.0	0.000494	1803.15979	1975.42310
1989.0	0.000494	1802.88574	1958.10999
1947.0	0.000517	1802.61218	1942.19934
1932.0	0.000517	1802.33923	1928.19141
1877.0	0.000541	1802.06641	1916.77942
1944.0	0.000517	1801.79431	1907.13916
1920.0	0.000517	1801.52246	1899.66577
1897.0	0.000517	1801.25122	1894.24133
1966.0	0.000517	1800.98022	1890.71497
1937.0	0.000517	1800.70996	1888.92261
1915.0	0.000517	1800.43982	1888.78076
1865.0	0.000541	1800.17041	1890.21362
1915.0	0.000517	1799.90125	1893.23975
1926.0	0.000517	1799.63257	1897.97571
1954.0	0.000517	1799.36438	1904.64990
1937.0	0.000517	1799.09656	1913.61316
1920.0	0.000517	1798.82922	1925.34460
1978.0	0.000517	1798.56238	1940.44470
1930.0	0.000517	1798.29590	1959.61743
1960.0	0.000517	1798.02991	1983.63477
1959.0	0.000517	1797.76440	2013.27954
2010.0	0.000494	1797.49927	2049.26758
2086.0	0.000473	1797.23450	2092.14502
2168.0	0.000453	1796.97034	2142.17310

2227.0	0.000453	1796.70654	2199.11230
2350.0	0.000434	1796.44324	2262.09229
2437.0	0.000416	1796.18030	2329.29956
2532.0	0.000400	1795.91785	2397.71045
2624.0	0.000384	1795.65588	2462.89746
2576.0	0.000384	1795.39429	2519.11353
2657.0	0.000370	1795.13318	2559.93408
2653.0	0.000370	1794.87244	2579.61084
2608.0	0.000384	1794.61218	2574.91846
2479.0	0.000400	1794.35229	2546.27100
2416.0	0.000416	1794.09302	2498.77197
2315.0	0.000434	1793.83398	2438.80664
2227.0	0.000453	1793.57556	2373.14819
2225.0	0.000453	1793.31763	2307.33447
2174.0	0.000453	1793.05994	2245.28809
2029.0	0.000494	1792.80273	2189.50488
2071.0	0.000473	1792.54602	2141.41187
1994.0	0.000494	1792.28979	2101.87476
2008.0	0.000494	1792.03394	2070.66821
2062.0	0.000494	1791.77856	2047.77820
1977.0	0.000517	1791.52356	2032.75842
2015.0	0.000494	1791.26917	2025.00244
2105.0	0.000473	1791.01514	2023.78906
2023.0	0.000494	1790.76147	2028.29944
2059.0	0.000494	1790.50830	2037.59595
2091.0	0.000473	1790.25549	2050.56592
2244.0	0.000453	1790.00330	2065.84839
2226.0	0.000453	1789.75134	2081.78296
2215.0	0.000453	1789.49988	2096.46484
2303.0	0.000434	1789.24902	2107.93140
2254.0	0.000453	1788.99841	2114.49536
2304.0	0.000434	1788.74841	2115.12964
2257.0	0.000434	1788.49866	2109.65771
2084.0	0.000473	1788.24951	2099.37915
2182.0	0.000453	1788.00073	2084.90894
2111.0	0.000473	1787.75232	2070.67017
2181.0	0.000453	1787.50439	2057.58276
2163.0	0.000453	1787.25708	2047.32361
2127.0	0.000473	1787.01001	2041.16602
2208.0	0.000453	1786.76343	2040.04285
2062.0	0.000494	1786.51733	2044.61072
2110.0	0.000473	1786.27161	2055.28003
2139.0	0.000473	1786.02637	2072.15479
2189.0	0.000453	1785.78149	2095.29175
2259.0	0.000434	1785.53711	2124.34473
2153.0	0.000473	1785.29321	2158.86914
2355.0	0.000416	1785.04968	2198.25098
2421.0	0.000416	1784.80664	2241.56030
2607.0	0.000384	1784.56396	2287.25195
2684.0	0.000370	1784.32190	2332.82983
2750.0	0.000370	1784.08008	2374.71606
2630.0	0.000384	1783.83875	2408.59473
2592.0	0.000384	1783.59790	2430.35132
2686.0	0.000370	1783.35742	2437.36621

2560.0	0.000384	1783.11743	2429.44141
2443.0	0.000416	1782.87793	2408.85156
2436.0	0.000416	1782.63879	2379.55566
2300.0	0.000434	1782.40002	2346.04932
2342.0	0.000434	1782.16187	2312.35474
2344.0	0.000434	1781.92407	2281.40454
2259.0	0.000434	1781.68665	2254.83105
2241.0	0.000453	1781.44971	2232.98291
2182.0	0.000453	1781.21326	2215.03955
2248.0	0.000453	1780.97717	2199.21802
2169.0	0.000453	1780.74146	2184.10156
2088.0	0.000473	1780.50635	2165.74463
2173.0	0.000453	1780.27148	2143.81665
2151.0	0.000473	1780.03723	2118.42236
2259.0	0.000434	1779.80334	2090.75269
2193.0	0.000453	1779.56995	2062.45020
2099.0	0.000473	1779.33679	2035.03894
2065.0	0.000494	1779.10425	2009.66772
2144.0	0.000473	1778.87219	1987.08691
2023.0	0.000494	1778.64038	1967.74634
1978.0	0.000517	1778.40918	1951.90125
2026.0	0.000494	1778.17822	1939.69360
2057.0	0.000494	1777.94788	1931.20850
1912.0	0.000517	1777.71777	1926.51038
1922.0	0.000517	1777.48828	1925.66748
1964.0	0.000517	1777.25916	1928.75940
1976.0	0.000517	1777.03052	1935.87512
1954.0	0.000517	1776.80225	1947.09058
1862.0	0.000541	1776.57434	1962.44409
1920.0	0.000517	1776.34705	1981.85388
1978.0	0.000517	1776.12000	2005.09277
1942.0	0.000517	1775.89355	2031.67175
2029.0	0.000494	1775.66736	2060.72803
2076.0	0.000473	1775.44177	2090.89380
2154.0	0.000473	1775.21655	2120.16455
2204.0	0.000453	1774.99170	2145.86938
2256.0	0.000434	1774.76733	2164.89355
2278.0	0.000434	1774.54333	2174.30225
2177.0	0.000453	1774.31982	2172.28467
2148.0	0.000473	1774.09668	2158.91919
2144.0	0.000473	1773.87415	2136.17407
2027.0	0.000494	1773.65173	2107.12207
1934.0	0.000517	1773.43005	2074.94336
1920.0	0.000517	1773.20874	2042.26758
1936.0	0.000517	1772.98767	2010.97253
1853.0	0.000541	1772.76721	1982.25989
1876.0	0.000541	1772.54700	1956.81628
1942.0	0.000517	1772.32739	1934.97144
1955.0	0.000517	1772.10815	1916.80945
1937.0	0.000517	1771.88928	1902.25989
1868.0	0.000541	1771.67102	1891.16650
1884.0	0.000541	1771.45300	1883.34180
1846.0	0.000541	1771.23547	1878.61243
1962.0	0.000517	1771.01831	1876.84668

1851.0	0.000541	1770.80164	1877.97363
1886.0	0.000541	1770.58533	1881.97986
1883.0	0.000541	1770.36951	1888.89734
1869.0	0.000541	1770.15405	1898.77527
1870.0	0.000541	1769.93921	1911.32434
1916.0	0.000517	1769.72461	1927.13391
1954.0	0.000517	1769.51038	1945.71118
1985.0	0.000494	1769.29675	1966.67529
1903.0	0.000517	1769.08337	1989.34009
2099.0	0.000473	1768.87048	2012.58875
2121.0	0.000473	1768.65808	2034.75818
2157.0	0.000473	1768.44604	2053.63525
2060.0	0.000494	1768.23438	2066.71606
2164.0	0.000453	1768.02319	2071.83008
2086.0	0.000473	1767.81250	2067.92090
2109.0	0.000473	1767.60205	2055.50024
1993.0	0.000494	1767.39221	2036.41821
1978.0	0.000517	1767.18262	2013.13586
1911.0	0.000517	1766.97351	1988.00354
1989.0	0.000494	1766.76477	1962.86938
1970.0	0.000517	1766.55664	1939.00793
1860.0	0.000541	1766.34875	1917.20642
1891.0	0.000541	1766.14136	1897.88721
1907.0	0.000517	1765.93433	1881.21484
1904.0	0.000517	1765.72778	1867.16821
1914.0	0.000517	1765.52161	1855.59851
1870.0	0.000541	1765.31580	1846.27173
1814.0	0.000541	1765.11047	1839.02429
1817.0	0.000541	1764.90552	1833.31128
1985.0	0.000494	1764.70105	1828.94019
1850.0	0.000541	1764.49695	1825.61902
1867.0	0.000541	1764.29321	1823.09229
1906.0	0.000517	1764.08997	1821.16748
1890.0	0.000541	1763.88708	1819.73755
1887.0	0.000541	1763.68469	1818.78857
1979.0	0.000517	1763.48267	1818.42334
1885.0	0.000541	1763.28113	1818.66833
1899.0	0.000517	1763.07983	1819.69287
1934.0	0.000517	1762.87903	1821.46143
1925.0	0.000517	1762.67871	1824.42529
2005.0	0.000494	1762.47876	1827.47815
1954.0	0.000517	1762.27917	1832.76526
1903.0	0.000517	1762.07996	1839.24634
1929.0	0.000517	1761.88135	1846.85681
1958.0	0.000517	1761.68286	1855.43054
1994.0	0.000494	1761.48499	1864.66040
1966.0	0.000517	1761.28760	1874.04932
1924.0	0.000517	1761.09033	1882.87158
2050.0	0.000494	1760.89368	1890.18909
1940.0	0.000517	1760.69739	1894.98254
2073.0	0.000473	1760.50159	1896.42688
1953.0	0.000517	1760.30603	1894.19214
2000.0	0.000494	1760.11096	1888.58716
1974.0	0.000517	1759.91626	1880.42004

1973.0	0.000517	1759.72205	1870.69690
1872.0	0.000541	1759.52820	1860.34631
1915.0	0.000517	1759.33472	1850.08386
1925.0	0.000517	1759.14172	1840.39771
1905.0	0.000517	1758.94910	1831.58582
1925.0	0.000517	1758.75684	1823.80664
1930.0	0.000517	1758.56494	1817.11768
1834.0	0.000541	1758.37354	1811.38257
1842.0	0.000541	1758.18250	1806.79431
1857.0	0.000541	1757.99182	1803.13672
1836.0	0.000541	1757.80164	1800.05005
1856.0	0.000541	1757.61182	1797.93970
1827.0	0.000541	1757.42236	1796.44543
1853.0	0.000541	1757.23328	1795.47693
1835.0	0.000541	1757.04468	1794.95959
1795.0	0.000567	1756.85645	1795.05090
1812.0	0.000541	1756.66858	1795.28601
1806.0	0.000567	1756.48120	1795.85510
1860.0	0.000541	1756.29407	1796.75330
1767.0	0.000567	1756.10754	1797.99585
1814.0	0.000541	1755.92126	1799.61487
1788.0	0.000567	1755.73535	1801.66748
1816.0	0.000541	1755.54993	1804.23792
1802.0	0.000567	1755.36487	1807.38367
1840.0	0.000541	1755.18018	1811.39392
1821.0	0.000541	1754.99597	1816.42151
1783.0	0.000567	1754.81201	1822.74207
1801.0	0.000567	1754.62854	1830.69763
1832.0	0.000541	1754.44543	1840.69690
1845.0	0.000541	1754.26270	1853.20569
1838.0	0.000541	1754.08032	1868.70935
1792.0	0.000567	1753.89844	1887.17896
1904.0	0.000517	1753.71692	1910.26135
1908.0	0.000517	1753.53577	1937.46790
1962.0	0.000517	1753.35498	1969.62256
1902.0	0.000517	1753.17468	2006.43823
2012.0	0.000494	1752.99463	2047.58020
1973.0	0.000517	1752.81506	2092.27515
1970.0	0.000517	1752.63586	2138.95239
2021.0	0.000494	1752.45703	2185.28247
2029.0	0.000494	1752.27856	2227.85986
2031.0	0.000494	1752.10046	2262.38306
2034.0	0.000494	1751.92285	2284.35840
2075.0	0.000473	1751.74561	2290.36841
2067.0	0.000494	1751.56873	2279.26172
1989.0	0.000494	1751.39209	2253.04517
1960.0	0.000517	1751.21606	2215.48584
1990.0	0.000494	1751.04028	2171.07202
1913.0	0.000517	1750.86487	2123.94043
1845.0	0.000541	1750.68982	2077.21899
1870.0	0.000541	1750.51526	2033.02344
1894.0	0.000517	1750.34106	1992.63928
1853.0	0.000541	1750.16724	1956.73804
1849.0	0.000541	1749.99377	1925.54980

1823.0	0.000541	1749.82068	1898.99255
1846.0	0.000541	1749.64795	1876.76770
1917.0	0.000517	1749.47559	1858.71118
1871.0	0.000541	1749.30359	1843.76135
1922.0	0.000517	1749.13196	1831.93188
1930.0	0.000517	1748.96082	1822.12061
1952.0	0.000517	1748.79004	1814.21460
1921.0	0.000517	1748.61951	1807.61157
1920.0	0.000517	1748.44946	1802.06628
1875.0	0.000541	1748.27966	1797.32666
1919.0	0.000517	1748.11047	1793.21472
1850.0	0.000541	1747.94141	1789.60681
1889.0	0.000541	1747.77283	1786.41541
1860.0	0.000541	1747.60461	1783.54602
1856.0	0.000541	1747.43677	1781.01001
1820.0	0.000541	1747.26929	1778.73792
1852.0	0.000541	1747.10217	1776.13745
1845.0	0.000541	1746.93542	1774.31177
1851.0	0.000541	1746.76904	1772.66943
1869.0	0.000541	1746.60303	1771.18994
1803.0	0.000567	1746.43738	1769.85632
1803.0	0.000567	1746.27209	1768.65234
1814.0	0.000541	1746.10718	1767.56396
1810.0	0.000541	1745.94263	1766.57910
1815.0	0.000541	1745.77844	1765.68713
1809.0	0.000541	1745.61462	1764.87854
1764.0	0.000567	1745.45117	1764.14636
1812.0	0.000541	1745.28809	1763.48328
1810.0	0.000541	1745.12537	1762.88513
1792.0	0.000567	1744.96289	1762.34766
1810.0	0.000541	1744.80090	1761.86743
1850.0	0.000541	1744.63928	1761.44287
1816.0	0.000541	1744.47803	1761.07251
1791.0	0.000567	1744.31714	1760.75598
1842.0	0.000541	1744.15649	1760.49402
1810.0	0.000541	1743.99622	1760.28821
1789.0	0.000567	1743.83643	1760.14197
1818.0	0.000541	1743.67688	1760.06018
1825.0	0.000541	1743.51782	1760.05017
1745.0	0.000567	1743.35889	1760.12256
1788.0	0.000567	1743.20056	1760.29224
1823.0	0.000541	1743.04236	1760.57861
1816.0	0.000541	1742.88464	1761.00830
1811.0	0.000541	1742.72729	1761.61548
1865.0	0.000541	1742.57031	1762.44177
1796.0	0.000567	1742.41357	1763.53870
1811.0	0.000541	1742.25732	1764.51270
1809.0	0.000541	1742.10132	1766.34180
1820.0	0.000541	1741.94568	1768.63733
1802.0	0.000567	1741.79041	1771.46912
1887.0	0.000541	1741.63550	1774.90088
1786.0	0.000567	1741.48083	1778.98254
1804.0	0.000567	1741.32666	1783.74194
1864.0	0.000541	1741.17273	1789.17188



1852.0	0.000541	1741.01917	1795.21729
1850.0	0.000541	1740.86597	1801.75061
1943.0	0.000517	1740.71313	1808.54797
1920.0	0.000517	1740.56055	1815.26196
1915.0	0.000517	1740.40845	1821.41675
1917.0	0.000517	1740.25659	1826.45764
1906.0	0.000517	1740.10510	1829.87122
1944.0	0.000517	1739.95386	1831.35205
1966.0	0.000517	1739.80310	1830.91089
2000.0	0.000494	1739.65271	1828.84912
1992.0	0.000494	1739.50256	1825.61011
1996.0	0.000494	1739.35278	1821.70557
2014.0	0.000494	1739.20325	1817.22461
1943.0	0.000517	1739.05420	1812.40942
1951.0	0.000517	1738.90527	1807.32874
1936.0	0.000517	1738.75684	1802.05591
1929.0	0.000517	1738.60876	1796.71533
1881.0	0.000541	1738.46094	1791.47803
1943.0	0.000517	1738.31348	1786.51819
1917.0	0.000517	1738.16638	1781.97522
1800.0	0.000567	1738.01965	1777.93677
1893.0	0.000517	1737.87317	1774.51965
1856.0	0.000541	1737.72705	1771.57129
1797.0	0.000567	1737.58118	1769.14868
1820.0	0.000541	1737.43579	1767.22058
1819.0	0.000541	1737.29065	1765.75317
1802.0	0.000567	1737.14575	1764.71338
1794.0	0.000567	1737.00134	1764.07593
1784.0	0.000567	1736.85718	1763.82581
1769.0	0.000567	1736.71326	1763.80457
1794.0	0.000567	1736.56970	1764.34375
1831.0	0.000541	1736.42664	1765.31604
1768.0	0.000567	1736.28369	1766.77185
1821.0	0.000541	1736.14111	1768.78101
1821.0	0.000541	1735.99890	1771.42871
1831.0	0.000541	1735.85706	1774.81213
1784.0	0.000567	1735.71545	1779.12512
1804.0	0.000567	1735.57410	1784.27991
1828.0	0.000541	1735.43323	1790.51086
1829.0	0.000541	1735.29248	1797.74316
1839.0	0.000541	1735.15222	1806.04089
1857.0	0.000541	1735.01221	1815.33752
1846.0	0.000541	1734.87256	1825.47046
1873.0	0.000541	1734.73315	1836.14368
1868.0	0.000541	1734.59412	1846.88391
1847.0	0.000541	1734.45544	1857.00842
1860.0	0.000541	1734.31689	1865.63696
1901.0	0.000517	1734.17883	1871.81335
1870.0	0.000541	1734.04102	1874.74280
1883.0	0.000541	1733.90356	1874.07019
1859.0	0.000541	1733.76636	1870.02905
1849.0	0.000541	1733.62952	1863.35315
1883.0	0.000541	1733.49292	1855.01477
1884.0	0.000541	1733.35657	1845.96765

1822.0	0.000541	1733.22070	1836.99402
1831.0	0.000541	1733.08496	1828.66943
1801.0	0.000567	1732.94971	1821.39417
1763.0	0.000567	1732.81458	1815.43140
1786.0	0.000567	1732.67981	1810.95349
1848.0	0.000541	1732.54541	1808.06995
1810.0	0.000541	1732.41125	1806.84802
1847.0	0.000541	1732.27747	1807.33081
1912.0	0.000517	1732.14380	1809.54492
1855.0	0.000541	1732.01062	1813.50623
1875.0	0.000541	1731.87769	1819.21606
1807.0	0.000541	1731.74500	1826.65308
1793.0	0.000567	1731.61267	1835.75793
1810.0	0.000541	1731.48059	1846.42200
1891.0	0.000541	1731.34888	1858.48560
1924.0	0.000517	1731.21741	1871.75769
1944.0	0.000517	1731.08618	1886.04285
1964.0	0.000517	1730.95532	1901.14575
1997.0	0.000494	1730.82471	1916.82617
2017.0	0.000494	1730.69446	1932.70386
2106.0	0.000473	1730.56445	1948.18518
2022.0	0.000494	1730.43469	1962.48779
2033.0	0.000494	1730.30530	1973.93640
2027.0	0.000494	1730.17627	1983.88049
1962.0	0.000517	1730.04736	1991.55090
1946.0	0.000517	1729.91870	1997.74182
1984.0	0.000494	1729.79041	2003.68140
1919.0	0.000517	1729.66248	2010.67175
1969.0	0.000517	1729.53479	2019.77637
2020.0	0.000494	1729.40735	2031.61182
1953.0	0.000517	1729.28015	2046.24304
2084.0	0.000473	1729.15332	2063.11743
2074.0	0.000473	1729.02673	2081.02417
2065.0	0.000494	1728.90039	2098.11768
2123.0	0.000473	1728.77441	2112.09082
2077.0	0.000473	1728.64856	2120.55640
2109.0	0.000473	1728.52319	2121.58521
2079.0	0.000473	1728.39795	2114.19751
2208.0	0.000453	1728.27307	2098.59131
2154.0	0.000473	1728.14844	2076.01904
2138.0	0.000473	1728.02405	2048.39429
2136.0	0.000473	1727.89990	2017.85852
2049.0	0.000494	1727.77612	1986.36169
1998.0	0.000494	1727.65259	1955.47461
1964.0	0.000517	1727.52930	1926.43970
1886.0	0.000541	1727.40625	1899.72900
1914.0	0.000517	1727.28345	1875.83826
1892.0	0.000541	1727.16101	1854.89453
1865.0	0.000541	1727.03882	1836.84570
1820.0	0.000541	1726.91687	1821.51721
1826.0	0.000541	1726.79517	1808.65613
1819.0	0.000541	1726.67371	1797.96753
1808.0	0.000541	1726.55261	1789.14368
1820.0	0.000541	1726.43176	1781.88513

1784.0	0.000567	1726.31116	1775.91467
1805.0	0.000567	1726.19080	1770.98828
1776.0	0.000567	1726.07068	1766.89807
1787.0	0.000567	1725.95081	1763.47278
1813.0	0.000541	1725.83118	1760.57446
1773.0	0.000567	1725.71191	1758.09558
1824.0	0.000541	1725.59277	1755.95264
1732.0	0.000567	1725.47400	1754.08215
1770.0	0.000567	1725.35535	1752.43628
1806.0	0.000567	1725.23706	1750.97974
1769.0	0.000567	1725.11902	1749.68445
1827.0	0.000541	1725.00122	1748.53003
1778.0	0.000567	1724.88367	1747.50037
1784.0	0.000567	1724.76636	1746.58289
1787.0	0.000567	1724.64929	1745.76855
1726.0	0.000567	1724.53259	1745.05005
1799.0	0.000567	1724.41602	1744.42139
1768.0	0.000567	1724.29968	1743.87964
1749.0	0.000567	1724.18359	1743.42212
1780.0	0.000567	1724.06787	1743.05005
1739.0	0.000567	1723.95227	1743.73230
1769.0	0.000567	1723.83691	1743.55249
1754.0	0.000567	1723.72180	1743.47217
1815.0	0.000541	1723.60693	1743.50439
1772.0	0.000567	1723.49243	1743.66541
1712.0	0.000595	1723.37805	1743.97766
1796.0	0.000567	1723.26392	1744.47034
1814.0	0.000541	1723.15002	1745.17847
1798.0	0.000567	1723.03638	1746.14502
1769.0	0.000567	1722.92297	1747.41882
1730.0	0.000567	1722.80981	1749.05310
1750.0	0.000567	1722.69678	1751.10388
1746.0	0.000567	1722.58411	1753.62549
1773.0	0.000567	1722.47168	1756.66699
1697.0	0.000595	1722.35938	1760.26611
1817.0	0.000541	1722.24744	1764.44312
1870.0	0.000541	1722.13562	1769.19238
1810.0	0.000541	1722.02405	1774.47168
1829.0	0.000541	1721.91272	1780.18567
1815.0	0.000541	1721.80164	1786.04700
1868.0	0.000541	1721.69080	1792.04309
1746.0	0.000567	1721.58020	1797.90674
1823.0	0.000541	1721.46973	1803.18994
1841.0	0.000541	1721.35962	1807.01270
1813.0	0.000541	1721.24963	1809.51465
1819.0	0.000541	1721.13989	1810.72864
1716.0	0.000595	1721.03040	1810.92468
1834.0	0.000541	1720.92102	1810.46765
1927.0	0.000517	1720.81201	1809.84766
1846.0	0.000541	1720.70300	1809.32825
1810.0	0.000541	1720.59448	1809.06421
1826.0	0.000541	1720.48596	1809.05371
1809.0	0.000541	1720.37781	1809.16431
1794.0	0.000567	1720.26978	1809.19617

1885.0	0.000541	1720.16199	1808.97656
1858.0	0.000541	1720.05444	1808.44897
1912.0	0.000517	1719.94702	1807.71350
1932.0	0.000517	1719.83984	1806.98901
1994.0	0.000494	1719.73291	1806.52515
1984.0	0.000494	1719.62622	1806.51855
1946.0	0.000517	1719.51965	1807.07520
2060.0	0.000494	1719.41333	1808.21484
2003.0	0.000494	1719.30725	1809.90479
1951.0	0.000517	1719.20129	1812.09436
1966.0	0.000517	1719.09570	1814.71533
1911.0	0.000517	1718.99011	1817.64539
1909.0	0.000517	1718.88489	1820.65723
2034.0	0.000494	1718.77979	1823.70825
1986.0	0.000494	1718.67493	1825.66846
1980.0	0.000517	1718.57019	1826.33203
1986.0	0.000494	1718.46570	1825.27148
1898.0	0.000517	1718.36145	1822.28479
1941.0	0.000517	1718.25732	1817.45801
2016.0	0.000494	1718.15332	1811.47375
1884.0	0.000541	1718.04968	1804.13916
1915.0	0.000517	1717.94617	1796.30481
1899.0	0.000517	1717.84290	1788.41772
1874.0	0.000541	1717.73975	1780.81580
1812.0	0.000541	1717.63684	1773.72729
1893.0	0.000517	1717.53406	1767.28589
1766.0	0.000567	1717.43152	1761.55676
1829.0	0.000541	1717.32910	1756.33752
1710.0	0.000595	1717.22693	1752.24683
1836.0	0.000541	1717.12488	1748.60242
1720.0	0.000595	1717.02307	1745.54871
1750.0	0.000567	1716.92151	1743.01440
1655.0	0.000595	1716.82007	1740.92700
1734.0	0.000567	1716.71875	1739.21533
1773.0	0.000567	1716.61768	1737.81641
1803.0	0.000567	1716.51685	1736.76599
1784.0	0.000567	1716.41614	1735.83081
1754.0	0.000567	1716.31555	1735.06335
1767.0	0.000567	1716.21521	1734.43213
1667.0	0.000595	1716.11499	1733.91309
1693.0	0.000595	1716.01501	1733.50269
1785.0	0.000567	1715.91516	1733.15552
1743.0	0.000567	1715.81555	1732.87671
1742.0	0.000567	1715.71606	1732.65833
1734.0	0.000567	1715.61682	1732.49597
1752.0	0.000567	1715.51758	1732.38403
1722.0	0.000595	1715.41870	1732.32202
1710.0	0.000595	1715.31995	1732.30725
1799.0	0.000567	1715.22119	1732.29565
1759.0	0.000567	1715.12280	1732.37585
1771.0	0.000567	1715.02441	1732.50427
1572.0	0.000625	1714.92639	1732.68384
1726.0	0.000567	1714.82837	1732.91748
1725.0	0.000567	1714.73059	1733.20996

1805.0	0.000567	1714.63293	1733.56921
1697.0	0.000595	1714.53540	1733.74561
1734.0	0.000567	1714.43811	1734.27271
1695.0	0.000595	1714.34094	1734.87305
1749.0	0.000567	1714.24390	1735.63306
1743.0	0.000567	1714.14709	1736.54724
1745.0	0.000567	1714.05042	1737.64941
1771.0	0.000567	1713.95386	1738.97949
1743.0	0.000567	1713.85754	1740.58350
1796.0	0.000567	1713.76123	1742.51184
1785.0	0.000567	1713.66528	1744.81897
1765.0	0.000567	1713.56934	1747.55713
1775.0	0.000567	1713.47363	1750.77539
1845.0	0.000541	1713.37793	1754.51160
1918.0	0.000517	1713.28247	1758.51526
1839.0	0.000541	1713.18713	1763.04675
1782.0	0.000567	1713.09192	1768.37891
1837.0	0.000541	1712.99695	1774.13977
1957.0	0.000517	1712.90210	1780.09656
1910.0	0.000517	1712.80737	1786.21497
1831.0	0.000541	1712.71277	1792.08789
1892.0	0.000541	1712.61829	1797.31506
1761.0	0.000567	1712.52405	1801.45801
1873.0	0.000541	1712.42981	1804.15967
1782.0	0.000567	1712.33582	1805.18933
1791.0	0.000567	1712.24194	1804.63647
1844.0	0.000541	1712.14807	1802.81238
1868.0	0.000541	1712.05457	1800.17236
1843.0	0.000541	1711.96106	1797.19397
1868.0	0.000541	1711.86768	1794.30261
1777.0	0.000567	1711.77441	1791.84326
1806.0	0.000567	1711.68140	1790.08960
1740.0	0.000567	1711.58850	1789.26672
1835.0	0.000541	1711.49561	1789.57654
1739.0	0.000567	1711.40295	1791.21875
1738.0	0.000567	1711.31042	1794.40649
1799.0	0.000567	1711.21790	1799.38037
1808.0	0.000541	1711.12561	1806.41455
1873.0	0.000541	1711.03345	1815.82080
1703.0	0.000595	1710.94141	1827.93921
1807.0	0.000541	1710.84949	1843.14099
1802.0	0.000567	1710.75769	1861.74475
1753.0	0.000567	1710.66589	1884.07532
1788.0	0.000567	1710.57434	1910.36108
1824.0	0.000541	1710.48291	1940.70227
1877.0	0.000541	1710.39160	1975.01001
1879.0	0.000541	1710.30042	2012.92957
1993.0	0.000494	1710.20935	2053.74170
2037.0	0.000494	1710.11829	2096.23291
2065.0	0.000494	1710.02734	2138.54907
2116.0	0.000473	1709.93665	2178.10254
2158.0	0.000473	1709.84595	2211.65576
2131.0	0.000473	1709.75549	2235.74756
2092.0	0.000473	1709.66504	2247.50513

2086.0	0.000473	1709.57471	2245.57446
2066.0	0.000494	1709.48450	2230.65186
2083.0	0.000473	1709.39441	2205.25708
1924.0	0.000517	1709.30444	2172.90649
1910.0	0.000517	1709.21460	2137.20923
1997.0	0.000494	1709.12476	2101.26563
1946.0	0.000517	1709.03516	2067.45874
1820.0	0.000541	1708.94556	2037.48486
1842.0	0.000541	1708.85608	2012.47717
1926.0	0.000517	1708.76672	1993.12817
1850.0	0.000541	1708.67749	1979.77893
1859.0	0.000541	1708.58826	1972.47766
1746.0	0.000567	1708.49915	1971.01343
1897.0	0.000517	1708.41016	1974.93298
1871.0	0.000541	1708.32129	1983.52930
1920.0	0.000517	1708.23254	1995.81653
1999.0	0.000494	1708.14380	2010.47754
1975.0	0.000517	1708.05518	2025.82166
2057.0	0.000494	1707.96680	2039.80371
1980.0	0.000517	1707.87830	2050.19702
2075.0	0.000473	1707.79004	2054.97681
2048.0	0.000494	1707.70166	2052.82446
2057.0	0.000494	1707.61353	2043.41064
2001.0	0.000494	1707.52551	2027.86755
2007.0	0.000494	1707.43750	2007.76270
2005.0	0.000494	1707.34961	1985.02966
1934.0	0.000517	1707.26184	1961.44690
1876.0	0.000541	1707.17407	1938.43640
1924.0	0.000517	1707.08643	1917.04004
1813.0	0.000541	1706.99890	1897.97888
1825.0	0.000541	1706.91138	1881.73474
1851.0	0.000541	1706.82397	1868.61670
1791.0	0.000567	1706.73669	1858.81506
1785.0	0.000567	1706.64941	1852.35547
1794.0	0.000567	1706.56226	1849.44250
1815.0	0.000541	1706.47510	1850.02551
1787.0	0.000567	1706.38806	1854.02478
1808.0	0.000541	1706.30115	1861.50305
1815.0	0.000541	1706.21423	1872.14624
1841.0	0.000541	1706.12744	1885.88037
1823.0	0.000541	1706.04065	1902.39331
1819.0	0.000541	1705.95410	1921.32043
1937.0	0.000517	1705.86743	1941.97986
1889.0	0.000541	1705.78088	1963.45605
1897.0	0.000517	1705.69434	1984.55835
1908.0	0.000517	1705.60803	2004.27502
2001.0	0.000494	1705.52161	2020.52405
2072.0	0.000473	1705.43542	2032.56702
1978.0	0.000517	1705.34912	2039.61670
1989.0	0.000494	1705.26294	2041.52759
1947.0	0.000517	1705.17688	2038.01331
1911.0	0.000517	1705.09082	2029.20947
1876.0	0.000541	1705.00488	2015.29395
1903.0	0.000517	1704.91895	1996.90796

1854.0	0.000541	1704.83313	1975.12683
1893.0	0.000517	1704.74719	1951.29297
1843.0	0.000541	1704.66150	1926.75452
1803.0	0.000567	1704.57581	1902.64941
1819.0	0.000541	1704.49011	1879.81433
1811.0	0.000541	1704.40454	1858.78674
1760.0	0.000567	1704.31897	1839.85913
1807.0	0.000541	1704.23352	1823.14038
1729.0	0.000567	1704.14795	1808.60925
1764.0	0.000567	1704.06262	1796.15552
1765.0	0.000567	1703.97729	1785.61414
1726.0	0.000567	1703.89185	1776.78613
1736.0	0.000567	1703.80664	1769.46118
1769.0	0.000567	1703.72144	1763.42786
1703.0	0.000595	1703.63623	1758.48816
1779.0	0.000567	1703.55103	1754.46204
1759.0	0.000567	1703.46594	1751.19287
1762.0	0.000567	1703.38086	1748.54895
1812.0	0.000541	1703.29590	1746.86487
1755.0	0.000567	1703.21082	1745.17749
1724.0	0.000567	1703.12585	1743.85986
1761.0	0.000567	1703.04102	1742.86804
1767.0	0.000567	1702.95605	1742.17273
1757.0	0.000567	1702.87122	1741.83923
1718.0	0.000595	1702.78638	1741.71460
1796.0	0.000567	1702.70166	1741.89063
1787.0	0.000567	1702.61682	1742.39783
1749.0	0.000567	1702.53210	1743.28223
1687.0	0.000595	1702.44739	1744.60754
1788.0	0.000567	1702.36279	1746.45605
1788.0	0.000567	1702.27808	1748.92737
1760.0	0.000567	1702.19348	1752.14172
1800.0	0.000567	1702.10889	1756.23267
1720.0	0.000595	1702.02429	1761.34619
1734.0	0.000567	1701.93970	1767.66809
1738.0	0.000567	1701.85522	1775.27307
1730.0	0.000567	1701.77075	1784.32556
1792.0	0.000567	1701.68628	1794.92285
1784.0	0.000567	1701.60168	1807.11462
1813.0	0.000541	1701.51733	1820.87744
1858.0	0.000541	1701.43286	1836.08569
1828.0	0.000541	1701.34839	1852.47107
1876.0	0.000541	1701.26404	1869.57495
1911.0	0.000517	1701.17957	1886.70215
1932.0	0.000517	1701.09521	1902.91187
1955.0	0.000517	1701.01086	1917.08948
1950.0	0.000517	1700.92651	1928.13647
1976.0	0.000517	1700.84216	1935.24207
1924.0	0.000517	1700.75781	1938.11084
1966.0	0.000517	1700.67346	1936.99109
1939.0	0.000517	1700.58911	1932.48840
1972.0	0.000517	1700.50476	1925.27673
1921.0	0.000517	1700.42053	1915.89746
2009.0	0.000494	1700.33618	1904.72400

1944.0	0.000517	1700.25195	1892.18555
2007.0	0.000494	1700.16760	1878.38416
1974.0	0.000517	1700.08325	1863.76782
2015.0	0.000494	1699.99902	1849.06921
2003.0	0.000494	1699.91467	1834.61121
1987.0	0.000494	1699.83032	1820.74194
1919.0	0.000517	1699.74609	1807.70349
1945.0	0.000517	1699.66174	1795.65405
1918.0	0.000517	1699.57739	1784.69055
1825.0	0.000541	1699.49304	1774.85913
1822.0	0.000541	1699.40881	1766.16101
1820.0	0.000541	1699.32446	1758.55627
1794.0	0.000567	1699.24011	1751.97571
1811.0	0.000541	1699.15576	1746.32861
1815.0	0.000541	1699.07141	1741.51416
1763.0	0.000567	1698.98706	1737.43115
1773.0	0.000567	1698.90259	1733.97937
1792.0	0.000567	1698.81824	1731.06726
1769.0	0.000567	1698.73376	1728.61365
1795.0	0.000567	1698.64941	1726.54590
1725.0	0.000567	1698.56482	1724.80334
1756.0	0.000567	1698.48047	1723.33582
1692.0	0.000595	1698.39600	1722.10364
1766.0	0.000567	1698.31140	1721.07556
1758.0	0.000567	1698.22693	1720.22949
1784.0	0.000567	1698.14246	1719.54932
1791.0	0.000567	1698.05786	1719.02673
1781.0	0.000567	1697.97327	1718.65662
1723.0	0.000567	1697.88867	1718.53687
1727.0	0.000567	1697.80396	1718.47437
1797.0	0.000567	1697.71936	1718.56934
1760.0	0.000567	1697.63477	1718.82434
1815.0	0.000541	1697.54993	1718.26611
1725.0	0.000567	1697.46521	1718.85266
1779.0	0.000567	1697.38037	1719.58740
1722.0	0.000595	1697.29565	1720.45422
1770.0	0.000567	1697.21082	1721.42395
1751.0	0.000567	1697.12598	1722.45422
1738.0	0.000567	1697.04102	1723.48438
1841.0	0.000541	1696.95605	1724.43262
1818.0	0.000541	1696.87122	1725.20483
1754.0	0.000567	1696.78613	1725.82080
1796.0	0.000567	1696.70117	1725.98816
1854.0	0.000541	1696.61597	1725.80090
1867.0	0.000541	1696.53101	1725.29871
1884.0	0.000541	1696.44580	1724.56714
1819.0	0.000541	1696.36060	1723.71350
1819.0	0.000541	1696.27539	1722.84204
1800.0	0.000567	1696.19006	1722.03894
1798.0	0.000567	1696.10474	1721.36755
1788.0	0.000567	1696.01941	1720.86914
1807.0	0.000541	1695.93396	1720.56384
1769.0	0.000567	1695.84851	1720.45447
1758.0	0.000567	1695.76306	1720.32117



1746.0	0.000567	1695.67749	1720.18335
1740.0	0.000567	1695.59192	1720.49951
1709.0	0.000595	1695.50635	1720.83618
1745.0	0.000567	1695.42053	1721.10669
1808.0	0.000541	1695.33484	1721.22461
1748.0	0.000567	1695.24902	1721.12085
1778.0	0.000567	1695.16321	1720.76416
1773.0	0.000567	1695.07727	1720.16724
1786.0	0.000567	1694.99133	1719.38049
1764.0	0.000567	1694.90527	1718.47351
1726.0	0.000567	1694.81921	1717.51672
1741.0	0.000567	1694.73303	1716.56848
1731.0	0.000567	1694.64685	1715.67419
1797.0	0.000567	1694.56067	1714.92065
1775.0	0.000567	1694.47437	1714.21545
1717.0	0.000595	1694.38794	1713.71814
1721.0	0.000595	1694.30151	1713.24854
1788.0	0.000567	1694.21497	1712.89844
1783.0	0.000567	1694.12842	1712.66626
1729.0	0.000567	1694.04187	1712.54529
1735.0	0.000567	1693.95520	1712.53040
1705.0	0.000595	1693.86841	1712.61511
1709.0	0.000595	1693.78162	1712.79321
1744.0	0.000567	1693.69470	1713.05896
1727.0	0.000567	1693.60767	1713.40869
1753.0	0.000567	1693.52075	1713.51465
1723.0	0.000567	1693.43359	1714.03284
1681.0	0.000595	1693.34644	1714.63403
1764.0	0.000567	1693.25916	1715.32263
1663.0	0.000595	1693.17188	1716.10474
1714.0	0.000595	1693.08447	1716.64478
1682.0	0.000595	1692.99707	1717.65002
1702.0	0.000595	1692.90942	1718.90942
1728.0	0.000567	1692.82178	1720.20227
1742.0	0.000567	1692.73413	1721.67773
1772.0	0.000567	1692.64636	1723.37207
1729.0	0.000567	1692.55847	1725.32947
1705.0	0.000595	1692.47058	1727.60669
1654.0	0.000595	1692.38257	1730.27161
1710.0	0.000595	1692.29443	1733.40564
1741.0	0.000567	1692.20630	1737.10474
1752.0	0.000567	1692.11792	1741.47937
1757.0	0.000567	1692.02966	1746.65442
1729.0	0.000567	1691.94116	1752.76685
1764.0	0.000567	1691.85266	1759.96326
1816.0	0.000541	1691.76404	1768.39697
1835.0	0.000541	1691.67529	1778.21997
1878.0	0.000541	1691.58655	1789.57397
1892.0	0.000541	1691.49768	1802.57751
1926.0	0.000517	1691.40869	1817.30359
1954.0	0.000517	1691.31970	1833.75769
2003.0	0.000494	1691.23047	1851.84058
2000.0	0.000494	1691.14124	1871.32581
2033.0	0.000494	1691.05188	1891.84595

2028.0	0.000494	1690.96252	1912.92065
2055.0	0.000494	1690.87292	1934.02722
2125.0	0.000473	1690.78333	1954.69873
2094.0	0.000473	1690.69360	1974.59570
2127.0	0.000473	1690.60376	1993.49084
2107.0	0.000473	1690.51379	2011.14404
2112.0	0.000473	1690.42383	2027.13696
2134.0	0.000473	1690.33374	2040.60461
2171.0	0.000453	1690.24341	2050.40063
2153.0	0.000473	1690.15320	2055.18555
2083.0	0.000473	1690.06262	2053.85669
2105.0	0.000473	1689.97217	2045.98047
2034.0	0.000494	1689.88147	2032.02820
1979.0	0.000517	1689.79077	2013.27527
1925.0	0.000517	1689.69983	1991.44177
1919.0	0.000517	1689.60901	1968.28662
1873.0	0.000541	1689.51794	1945.33936
1849.0	0.000541	1689.42676	1923.79773
1813.0	0.000541	1689.33545	1904.54248
1754.0	0.000567	1689.24402	1888.20117
1748.0	0.000567	1689.15259	1875.21655
1755.0	0.000567	1689.06091	1865.89941
1798.0	0.000567	1688.96924	1860.46753
1840.0	0.000541	1688.87732	1859.06567
1844.0	0.000541	1688.78540	1861.77783
1847.0	0.000541	1688.69336	1868.62903
1871.0	0.000541	1688.60107	1879.58081
1823.0	0.000541	1688.50879	1894.51563
1844.0	0.000541	1688.41638	1913.21643
1887.0	0.000541	1688.32385	1935.32898
1939.0	0.000517	1688.23120	1960.31360
1900.0	0.000517	1688.13843	1987.37427
1926.0	0.000517	1688.04553	2015.37817
1974.0	0.000517	1687.95251	2042.79089
2048.0	0.000494	1687.85938	2067.68579
2009.0	0.000494	1687.76599	2087.90381
2027.0	0.000494	1687.67261	2101.41821
2028.0	0.000494	1687.57910	2106.95264
2089.0	0.000473	1687.48547	2103.82153
1993.0	0.000494	1687.39172	2092.79565
2058.0	0.000494	1687.29785	2075.27393
2032.0	0.000494	1687.20386	2052.96631
2032.0	0.000494	1687.10962	2027.55151
2009.0	0.000494	1687.01538	2000.51807
1878.0	0.000541	1686.92102	1973.13220
2007.0	0.000494	1686.82642	1946.43970
1969.0	0.000517	1686.73181	1921.25439
1906.0	0.000517	1686.63696	1898.14221
1942.0	0.000517	1686.54199	1877.42554
1874.0	0.000541	1686.44690	1859.20142
1932.0	0.000517	1686.35181	1843.38428
1880.0	0.000541	1686.25635	1829.75000
1826.0	0.000541	1686.16101	1818.00269
1851.0	0.000541	1686.06531	1808.01611

1913.0	0.000517	1685.96960	1799.19531
1806.0	0.000541	1685.87366	1791.56140
1758.0	0.000567	1685.77771	1785.05188
1724.0	0.000567	1685.68152	1779.66992
1797.0	0.000567	1685.58521	1775.44714
1741.0	0.000567	1685.48877	1772.41833
1744.0	0.000567	1685.39209	1770.60815
1793.0	0.000567	1685.29541	1770.02466
1833.0	0.000541	1685.19849	1770.65564
1666.0	0.000595	1685.10156	1772.46448
1745.0	0.000567	1685.00427	1775.38159
1679.0	0.000595	1684.90698	1779.08594
1789.0	0.000567	1684.80957	1783.83203
1725.0	0.000567	1684.71191	1789.16113
1701.0	0.000595	1684.61426	1794.73218
1707.0	0.000595	1684.51636	1800.09387
1732.0	0.000567	1684.41821	1804.69641
1770.0	0.000567	1684.32007	1807.94604
1662.0	0.000595	1684.22180	1809.22302
1735.0	0.000567	1684.12329	1808.39197
1707.0	0.000595	1684.02466	1805.33704
1687.0	0.000595	1683.92578	1800.34253
1742.0	0.000567	1683.82678	1793.89905
1706.0	0.000595	1683.72778	1786.57178
1787.0	0.000567	1683.62842	1778.86938
1742.0	0.000567	1683.52905	1771.25342
1750.0	0.000567	1683.42944	1764.02917
1736.0	0.000567	1683.32983	1757.42578
1705.0	0.000595	1683.22986	1751.59802
1717.0	0.000595	1683.12988	1746.64697
1793.0	0.000567	1683.02966	1742.63611
1675.0	0.000595	1682.92920	1739.60083
1658.0	0.000595	1682.82874	1737.55737
1736.0	0.000567	1682.72803	1736.50842
1702.0	0.000595	1682.62720	1736.44714
1701.0	0.000595	1682.52625	1737.35901
1785.0	0.000567	1682.42505	1739.24878
1656.0	0.000595	1682.32373	1742.03503
1739.0	0.000567	1682.22229	1745.70374
1721.0	0.000595	1682.12061	1750.19800
1791.0	0.000567	1682.01880	1755.43640
1761.0	0.000567	1681.91675	1761.29907
1741.0	0.000567	1681.81470	1767.61426
1676.0	0.000595	1681.71240	1774.14087
1777.0	0.000567	1681.60986	1780.58362
1860.0	0.000541	1681.50720	1786.52869
1865.0	0.000541	1681.40442	1791.62207
1831.0	0.000541	1681.30139	1795.57861
1907.0	0.000517	1681.19824	1798.29309
1836.0	0.000541	1681.09485	1799.88403
1842.0	0.000541	1680.99146	1800.65430
1845.0	0.000541	1680.88770	1800.99219
1908.0	0.000517	1680.78394	1801.26379
1836.0	0.000541	1680.67993	1801.73071

1849.0	0.000541	1680.57568	1802.50500
1879.0	0.000541	1680.47131	1803.53320
1911.0	0.000517	1680.36670	1804.59521
1839.0	0.000541	1680.26208	1805.32971
1930.0	0.000517	1680.15710	1805.28870
1803.0	0.000567	1680.05200	1804.04077
1873.0	0.000541	1679.94678	1801.29468
1810.0	0.000541	1679.84131	1796.97449
1800.0	0.000567	1679.73584	1791.31934
1769.0	0.000567	1679.63000	1784.69128
1670.0	0.000595	1679.52405	1777.54810
1741.0	0.000567	1679.41785	1770.32434
1728.0	0.000567	1679.31152	1763.38232
1770.0	0.000567	1679.20508	1756.99829
1731.0	0.000567	1679.09839	1751.37415
1672.0	0.000595	1678.99158	1746.65417
1776.0	0.000567	1678.88440	1742.94214
1649.0	0.000595	1678.77722	1740.31238
1762.0	0.000567	1678.66980	1738.81848
1600.0	0.000625	1678.56226	1738.49658
1651.0	0.000595	1678.45435	1739.36621
1674.0	0.000595	1678.34644	1741.43311
1684.0	0.000595	1678.23816	1744.68286
1694.0	0.000595	1678.12988	1749.08032
1756.0	0.000567	1678.02136	1754.54614
1741.0	0.000567	1677.91260	1761.00952
1735.0	0.000567	1677.80371	1768.30261
1848.0	0.000541	1677.69458	1776.20447
1815.0	0.000541	1677.58533	1784.40479
1805.0	0.000567	1677.47583	1792.48792
1765.0	0.000567	1677.36609	1799.93237
1778.0	0.000567	1677.25623	1806.14978
1802.0	0.000567	1677.14624	1810.57239
1777.0	0.000567	1677.03601	1812.78467
1738.0	0.000567	1676.92554	1812.64746
1733.0	0.000567	1676.81494	1810.35083
1792.0	0.000567	1676.70398	1806.37109
1735.0	0.000567	1676.59302	1801.34485
1830.0	0.000541	1676.48181	1795.93225
1774.0	0.000567	1676.37036	1790.71667
1878.0	0.000541	1676.25879	1786.15601
1888.0	0.000541	1676.14697	1782.57178
1849.0	0.000541	1676.03503	1780.16101
1821.0	0.000541	1675.92273	1779.00610
1792.0	0.000567	1675.81042	1779.08508
1855.0	0.000541	1675.69775	1780.26904
1862.0	0.000541	1675.58496	1782.31946
1848.0	0.000541	1675.47192	1784.88062
1778.0	0.000567	1675.35876	1787.48035
1853.0	0.000541	1675.24536	1789.55908
1743.0	0.000567	1675.13184	1790.54407
1855.0	0.000541	1675.01807	1789.95813
1803.0	0.000567	1674.90393	1787.54224
1726.0	0.000567	1674.78979	1783.31653

1782.0	0.000567	1674.67542	1777.55823
1874.0	0.000541	1674.56079	1770.70044
1695.0	0.000595	1674.44592	1763.21619
1720.0	0.000595	1674.33093	1755.53003
1861.0	0.000541	1674.21570	1747.98096
1837.0	0.000541	1674.10022	1740.81494
1708.0	0.000595	1673.98474	1734.19958
1673.0	0.000595	1673.86877	1728.23914
1653.0	0.000595	1673.75281	1722.99341
1654.0	0.000595	1673.63647	1718.48474
1768.0	0.000567	1673.52002	1714.76123
1662.0	0.000595	1673.40344	1711.78406
1652.0	0.000595	1673.28650	1709.39783
1677.0	0.000595	1673.16943	1707.63916
1805.0	0.000567	1673.05212	1706.45398
1749.0	0.000567	1672.93469	1705.78430
1790.0	0.000567	1672.81689	1705.56787
1782.0	0.000567	1672.69910	1705.73950
1807.0	0.000541	1672.58093	1706.22632
1808.0	0.000541	1672.46252	1706.92261
1692.0	0.000595	1672.34399	1707.78479
1716.0	0.000595	1672.22522	1708.57300
1811.0	0.000541	1672.10632	1709.37012
1797.0	0.000567	1671.98706	1709.93909
1809.0	0.000541	1671.86768	1710.16492
1762.0	0.000567	1671.74805	1709.97449
1808.0	0.000541	1671.62817	1709.35425
1813.0	0.000541	1671.50806	1708.35754
1835.0	0.000541	1671.38794	1707.08228
1727.0	0.000567	1671.26746	1705.28333
1708.0	0.000595	1671.14673	1703.80957
1770.0	0.000567	1671.02588	1702.39221
1803.0	0.000567	1670.90466	1701.11206
1747.0	0.000567	1670.78333	1700.03259
1735.0	0.000567	1670.66174	1699.20618
1753.0	0.000567	1670.54004	1698.67761
1641.0	0.000595	1670.41797	1698.48718
1652.0	0.000595	1670.29578	1698.70471
1764.0	0.000567	1670.17334	1699.31641
1645.0	0.000595	1670.05078	1700.39563
1663.0	0.000595	1669.92786	1701.99121
1646.0	0.000595	1669.80481	1704.15527
1709.0	0.000595	1669.68152	1706.93909
1694.0	0.000595	1669.55798	1710.39307
1686.0	0.000595	1669.43420	1714.56030
1691.0	0.000595	1669.31030	1719.47363
1729.0	0.000567	1669.18604	1725.14758
1741.0	0.000567	1669.06165	1731.57239
1755.0	0.000567	1668.93701	1738.70520
1741.0	0.000567	1668.81213	1746.45764
1799.0	0.000567	1668.68701	1754.67969
1759.0	0.000567	1668.56177	1763.14453
1765.0	0.000567	1668.43628	1771.52979
1824.0	0.000541	1668.31055	1779.42334

1753.0	0.000567	1668.18457	1786.34985
1757.0	0.000567	1668.05835	1791.51697
1768.0	0.000567	1667.93201	1795.28809
1722.0	0.000595	1667.80530	1797.24744
1714.0	0.000595	1667.67847	1797.61438
1752.0	0.000567	1667.55139	1796.84949
1800.0	0.000567	1667.42407	1795.53491
1757.0	0.000567	1667.29651	1794.17175
1753.0	0.000567	1667.16870	1793.39978
1721.0	0.000595	1667.04077	1793.48718
1777.0	0.000567	1666.91248	1794.63025
1763.0	0.000567	1666.78406	1796.87378
1738.0	0.000567	1666.65540	1800.12207
1754.0	0.000567	1666.52649	1804.08545
1748.0	0.000567	1666.39734	1808.34167
1779.0	0.000567	1666.26807	1812.61523
1688.0	0.000595	1666.13843	1815.57288
1718.0	0.000595	1666.00867	1816.81555
1691.0	0.000595	1665.87866	1815.73889
1757.0	0.000567	1665.74829	1812.14111
1700.0	0.000595	1665.61780	1806.07788
1779.0	0.000567	1665.48706	1797.96130
1754.0	0.000567	1665.35608	1788.38525
1786.0	0.000567	1665.22498	1777.98071
1674.0	0.000595	1665.09351	1767.30408
1723.0	0.000567	1664.96191	1756.79199
1701.0	0.000595	1664.82996	1746.75879
1680.0	0.000595	1664.69788	1737.41406
1693.0	0.000595	1664.56555	1728.88245
1667.0	0.000595	1664.43298	1721.22705
1681.0	0.000595	1664.30017	1714.46399
1653.0	0.000595	1664.16711	1708.62952
1664.0	0.000595	1664.03394	1703.56873
1683.0	0.000595	1663.90039	1699.27515
1649.0	0.000595	1663.76672	1695.67932
1676.0	0.000595	1663.63269	1692.70691
1669.0	0.000595	1663.49854	1690.28625
1714.0	0.000595	1663.36401	1688.22424
1670.0	0.000595	1663.22949	1686.71753
1735.0	0.000567	1663.09448	1685.58936
1652.0	0.000595	1662.95947	1684.80127
1718.0	0.000595	1662.82410	1684.32275
1768.0	0.000567	1662.68848	1684.13281
1689.0	0.000595	1662.55261	1684.21448
1753.0	0.000567	1662.41663	1684.55579
1693.0	0.000595	1662.28027	1685.14551
1697.0	0.000595	1662.14368	1685.97083
1722.0	0.000595	1662.00696	1687.01416
1714.0	0.000595	1661.87000	1688.24963
1679.0	0.000595	1661.73279	1689.63794
1735.0	0.000567	1661.59534	1691.12305
1672.0	0.000595	1661.45752	1692.73914
1781.0	0.000567	1661.31970	1694.17090
1759.0	0.000567	1661.18140	1695.42468

1719.0	0.000595	1661.04309	1696.40332
1784.0	0.000567	1660.90442	1697.04065
1818.0	0.000541	1660.76550	1697.31274
1783.0	0.000567	1660.62646	1697.23633
1771.0	0.000567	1660.48706	1696.85120
1839.0	0.000541	1660.34753	1696.19812
1773.0	0.000567	1660.20764	1695.29907
1831.0	0.000541	1660.06763	1694.15564
1811.0	0.000541	1659.92737	1692.76196
1787.0	0.000567	1659.78687	1691.12085
1848.0	0.000541	1659.64600	1689.25891
1857.0	0.000541	1659.50500	1687.23230
1830.0	0.000541	1659.36377	1685.01392
1736.0	0.000567	1659.22229	1683.11804
1816.0	0.000541	1659.08057	1681.03345
1822.0	0.000541	1658.93860	1679.04858
1760.0	0.000567	1658.79651	1677.19763
1726.0	0.000567	1658.65405	1675.49890
1739.0	0.000567	1658.51135	1673.96045
1761.0	0.000567	1658.36841	1672.58240
1714.0	0.000595	1658.22534	1671.35889
1699.0	0.000595	1658.08203	1670.28052
1741.0	0.000567	1657.93835	1669.33472
1707.0	0.000595	1657.79456	1668.50830
1687.0	0.000595	1657.65039	1667.67517
1701.0	0.000595	1657.50610	1667.04968
1704.0	0.000595	1657.36157	1666.50391
1617.0	0.000625	1657.21680	1666.02661
1683.0	0.000595	1657.07178	1665.60754
1658.0	0.000595	1656.92639	1665.23743
1682.0	0.000595	1656.78088	1664.90869
1561.0	0.000625	1656.63513	1664.61462
1660.0	0.000595	1656.48926	1664.35022
1667.0	0.000595	1656.34302	1664.11169
1710.0	0.000595	1656.19653	1663.89551
1683.0	0.000595	1656.04980	1663.78027
1691.0	0.000595	1655.90295	1663.60242
1693.0	0.000595	1655.75574	1663.44141
1703.0	0.000595	1655.60828	1663.29602
1676.0	0.000595	1655.46069	1663.16553
1620.0	0.000625	1655.31274	1663.04944
1687.0	0.000595	1655.16467	1662.94788
1658.0	0.000595	1655.01624	1662.86011
1672.0	0.000595	1654.86768	1662.78748
1671.0	0.000595	1654.71875	1662.72961
1667.0	0.000595	1654.56970	1662.68665
1677.0	0.000595	1654.42041	1662.65991
1698.0	0.000595	1654.27087	1662.65002
1699.0	0.000595	1654.12109	1662.65771
1705.0	0.000595	1653.97107	1662.68420
1722.0	0.000567	1653.82080	1662.73169
1728.0	0.000567	1653.67029	1662.74426
1651.0	0.000595	1653.51953	1662.74963
1692.0	0.000595	1653.36865	1662.87305

1656.0	0.000595	1653.21741	1663.02698
1661.0	0.000595	1653.06592	1663.21619
1678.0	0.000595	1652.91431	1663.44666
1722.0	0.000595	1652.76233	1663.72522
1633.0	0.000625	1652.61011	1664.06189
1679.0	0.000595	1652.45776	1664.74719
1702.0	0.000595	1652.30505	1665.24304
1642.0	0.000595	1652.15222	1665.84424
1664.0	0.000595	1651.99915	1666.57532
1626.0	0.000625	1651.84583	1667.46558
1681.0	0.000595	1651.69226	1668.55164
1672.0	0.000595	1651.53845	1669.87390
1696.0	0.000595	1651.38440	1671.66479
1681.0	0.000595	1651.22998	1673.60742
1683.0	0.000595	1651.07556	1675.93872
1658.0	0.000595	1650.92078	1678.71326
1644.0	0.000595	1650.76575	1681.85962
1688.0	0.000595	1650.61060	1685.67017
1670.0	0.000595	1650.45508	1690.05261
1666.0	0.000595	1650.29932	1695.29871
1705.0	0.000595	1650.14343	1700.85339
1782.0	0.000567	1649.98718	1706.95190
1752.0	0.000567	1649.83081	1713.51086
1720.0	0.000595	1649.67419	1720.39795
1747.0	0.000567	1649.51733	1727.41138
1677.0	0.000595	1649.36011	1734.26758
1765.0	0.000567	1649.20276	1740.59521
1797.0	0.000567	1649.04517	1745.95398
1800.0	0.000567	1648.88745	1749.88489
1794.0	0.000567	1648.72937	1751.99963
1785.0	0.000567	1648.57104	1752.07434
1820.0	0.000541	1648.41248	1750.12012
1796.0	0.000567	1648.25378	1746.37634
1779.0	0.000567	1648.09485	1741.24707
1729.0	0.000567	1647.93555	1735.19897
1697.0	0.000595	1647.77612	1728.67737
1732.0	0.000567	1647.61646	1722.05920
1690.0	0.000595	1647.45654	1715.83228
1641.0	0.000595	1647.29639	1709.81152
1731.0	0.000567	1647.13599	1704.33557
1671.0	0.000595	1646.97534	1699.49561
1707.0	0.000595	1646.81445	1695.34277
1677.0	0.000595	1646.65344	1691.89685
1641.0	0.000595	1646.49207	1689.12476
1660.0	0.000595	1646.33057	1687.06287
1683.0	0.000595	1646.16870	1685.64526
1661.0	0.000595	1646.00671	1685.05322
1701.0	0.000595	1645.84448	1684.78308
1661.0	0.000595	1645.68201	1685.00024
1699.0	0.000595	1645.51941	1685.64038
1672.0	0.000595	1645.35645	1686.63342
1717.0	0.000595	1645.19324	1687.90320
1751.0	0.000567	1645.02991	1689.36389
1704.0	0.000595	1644.86621	1690.92334



1741.0	0.000567	1644.70239	1692.49341
1714.0	0.000595	1644.53833	1694.00208
1669.0	0.000595	1644.37402	1695.41577
1742.0	0.000567	1644.20947	1696.75354
1702.0	0.000595	1644.04480	1698.09070
1765.0	0.000567	1643.87976	1699.54626
1671.0	0.000595	1643.71448	1701.26160
1688.0	0.000595	1643.54907	1703.37585
1718.0	0.000595	1643.38342	1706.01550
1714.0	0.000595	1643.21753	1709.28186
1741.0	0.000567	1643.05139	1713.25098
1684.0	0.000595	1642.88501	1717.97083
1661.0	0.000595	1642.71851	1723.46033
1637.0	0.000625	1642.55164	1729.71252
1695.0	0.000595	1642.38464	1736.64490
1571.0	0.000625	1642.21741	1744.15710
1711.0	0.000595	1642.04980	1752.07947
1703.0	0.000595	1641.88220	1760.19238
1712.0	0.000595	1641.71423	1768.25244
1655.0	0.000595	1641.54614	1776.05151
1681.0	0.000595	1641.37781	1783.48425
1726.0	0.000567	1641.20911	1790.58435
1700.0	0.000595	1641.04028	1797.60327
1705.0	0.000595	1640.87122	1804.84399
1732.0	0.000567	1640.70203	1812.65051
1737.0	0.000567	1640.53247	1821.30591
1762.0	0.000567	1640.36279	1830.96094
1726.0	0.000567	1640.19287	1841.59521
1784.0	0.000567	1640.02271	1852.99658
1819.0	0.000541	1639.85242	1864.70654
1759.0	0.000567	1639.68176	1876.06775
1835.0	0.000541	1639.51099	1886.20496
1858.0	0.000541	1639.33984	1894.11475
1891.0	0.000541	1639.16870	1898.81604
1917.0	0.000517	1638.99719	1899.56226
1883.0	0.000541	1638.82556	1896.04639
1897.0	0.000517	1638.65369	1888.49390
1872.0	0.000541	1638.48157	1877.42627
1853.0	0.000541	1638.30920	1864.17114
1904.0	0.000517	1638.13660	1849.58508
1809.0	0.000541	1637.96387	1834.59546
1807.0	0.000541	1637.79089	1819.93933
1789.0	0.000567	1637.61768	1806.14844
1726.0	0.000567	1637.44421	1793.56641
1764.0	0.000567	1637.27063	1782.37903
1732.0	0.000567	1637.09680	1772.63843
1737.0	0.000567	1636.92273	1764.28491
1767.0	0.000567	1636.74841	1757.16785
1767.0	0.000567	1636.57397	1751.07056
1704.0	0.000595	1636.39929	1745.74597
1719.0	0.000595	1636.22437	1741.05261
1786.0	0.000567	1636.04919	1736.65552
1770.0	0.000567	1635.87378	1732.61646
1707.0	0.000595	1635.69836	1728.87317

1720.0	0.000595	1635.52258	1725.56140
1742.0	0.000567	1635.34656	1722.80457
1742.0	0.000567	1635.17041	1720.72412
1769.0	0.000567	1634.99402	1719.42224
1740.0	0.000567	1634.81738	1718.97290
1728.0	0.000567	1634.64063	1719.42151
1724.0	0.000567	1634.46362	1720.78430
1729.0	0.000567	1634.28638	1723.04907
1780.0	0.000567	1634.10901	1726.17053
1751.0	0.000567	1633.93140	1730.06519
1783.0	0.000567	1633.75342	1734.60522
1745.0	0.000567	1633.57544	1739.60632
1724.0	0.000567	1633.39709	1744.82617
1752.0	0.000567	1633.21875	1749.97473
1753.0	0.000567	1633.04004	1754.74609
1693.0	0.000595	1632.86121	1758.87659
1751.0	0.000567	1632.68213	1762.22144
1726.0	0.000567	1632.50281	1764.80493
1790.0	0.000567	1632.32336	1766.83240
1734.0	0.000567	1632.14368	1768.61499
1835.0	0.000541	1631.96387	1770.59888
1822.0	0.000541	1631.78369	1773.12268
1788.0	0.000567	1631.60352	1776.47412
1821.0	0.000541	1631.42297	1780.83179
1700.0	0.000595	1631.24231	1786.25049
1701.0	0.000595	1631.06152	1792.65320
1810.0	0.000541	1630.88037	1799.81750
1777.0	0.000567	1630.69910	1807.34460
1728.0	0.000567	1630.51758	1814.73315
1742.0	0.000567	1630.33594	1821.27441
1800.0	0.000567	1630.15405	1826.20020
1810.0	0.000541	1629.97205	1828.78406
1795.0	0.000567	1629.78979	1828.50586
1700.0	0.000595	1629.60730	1825.18762
1763.0	0.000567	1629.42480	1819.04333
1734.0	0.000567	1629.24194	1810.61084
1709.0	0.000595	1629.05884	1800.60608
1695.0	0.000595	1628.87573	1789.93616
1667.0	0.000595	1628.69226	1778.94067
1746.0	0.000567	1628.50867	1768.31604
1741.0	0.000567	1628.32495	1758.46228
1706.0	0.000595	1628.14099	1749.66040
1712.0	0.000595	1627.95679	1742.09460
1616.0	0.000625	1627.77246	1735.86890
1678.0	0.000595	1627.58789	1731.02063
1645.0	0.000595	1627.40320	1727.53357
1686.0	0.000595	1627.21814	1725.39563
1722.0	0.000595	1627.03308	1724.38354
1655.0	0.000595	1626.84778	1724.39587
1751.0	0.000567	1626.66235	1725.22998
1749.0	0.000567	1626.47668	1726.63794
1746.0	0.000567	1626.29077	1728.33337
1675.0	0.000595	1626.10486	1730.00867
1698.0	0.000595	1625.91858	1731.36902

1676.0	0.000595	1625.73218	1732.18884
1722.0	0.000595	1625.54553	1732.36035
1709.0	0.000595	1625.35889	1731.92383
1690.0	0.000595	1625.17188	1731.05542
1734.0	0.000567	1624.98474	1730.02856
1679.0	0.000595	1624.79749	1729.16052
1712.0	0.000595	1624.60999	1728.76794
1636.0	0.000625	1624.42236	1729.14429
1735.0	0.000567	1624.23450	1730.55225
1696.0	0.000595	1624.04651	1733.22192
1722.0	0.000595	1623.85828	1737.35388
1674.0	0.000595	1623.67004	1743.12354
1667.0	0.000595	1623.48145	1750.67664
1752.0	0.000567	1623.29272	1760.12720
1695.0	0.000595	1623.10388	1771.55090
1776.0	0.000567	1622.91479	1784.97766
1820.0	0.000541	1622.72559	1800.38098
1791.0	0.000567	1622.53613	1817.66040
1789.0	0.000567	1622.34668	1836.61951
1749.0	0.000567	1622.15686	1856.93555
1785.0	0.000567	1621.96704	1878.13623
1761.0	0.000567	1621.77698	1899.59143
1704.0	0.000595	1621.58667	1920.51208
1725.0	0.000567	1621.39636	1940.20874
1756.0	0.000567	1621.20569	1957.73486
1689.0	0.000595	1621.01501	1972.73645
1708.0	0.000595	1620.82410	1985.06201
1869.0	0.000541	1620.63306	1994.83252
1880.0	0.000541	1620.44177	2002.35986
1808.0	0.000541	1620.25037	2007.76050
1872.0	0.000541	1620.05884	2011.22546
1862.0	0.000541	1619.86719	2012.80005
1889.0	0.000541	1619.67529	2012.49695
1952.0	0.000517	1619.48328	2010.33826
1870.0	0.000541	1619.29114	2006.33252
1879.0	0.000541	1619.09875	2000.42310
1888.0	0.000541	1618.90625	1992.46997
1929.0	0.000517	1618.71362	1982.30579
1912.0	0.000517	1618.52075	1969.87671
1877.0	0.000541	1618.32776	1955.38330
1779.0	0.000567	1618.13464	1939.33423
1711.0	0.000595	1617.94141	1922.49487
1860.0	0.000541	1617.74792	1905.74487
1848.0	0.000541	1617.55432	1889.93396
1791.0	0.000567	1617.36047	1875.77856
1786.0	0.000567	1617.16663	1863.81763
1860.0	0.000541	1616.97253	1854.40869
1779.0	0.000567	1616.77844	1847.74438
1852.0	0.000541	1616.58411	1843.73242
1756.0	0.000567	1616.38953	1842.55054
1811.0	0.000541	1616.19482	1843.83130
1833.0	0.000541	1616.00024	1847.20105
1782.0	0.000567	1615.80518	1852.14355
1781.0	0.000567	1615.61011	1858.02356

1853.0	0.000541	1615.41504	1864.13611
1810.0	0.000541	1615.21960	1869.80896
1883.0	0.000541	1615.02405	1874.51172
1849.0	0.000541	1614.82837	1877.94421
1974.0	0.000517	1614.63269	1880.04089
1898.0	0.000517	1614.43665	1880.88953
1926.0	0.000517	1614.24060	1880.59912
1880.0	0.000541	1614.04431	1879.17627
1999.0	0.000494	1613.84814	1876.46167
1915.0	0.000517	1613.65161	1872.14697
1882.0	0.000541	1613.45496	1865.88025
1923.0	0.000517	1613.25830	1857.40430
1905.0	0.000517	1613.06128	1846.69226
1790.0	0.000567	1612.86426	1834.00073
1867.0	0.000541	1612.66711	1819.82776
1869.0	0.000541	1612.46997	1804.79871
1891.0	0.000541	1612.27246	1789.54419
1779.0	0.000567	1612.07483	1774.61340
1739.0	0.000567	1611.87732	1760.43774
1788.0	0.000567	1611.67944	1747.32458
1714.0	0.000595	1611.48145	1735.45190
1749.0	0.000567	1611.28333	1724.99780
1694.0	0.000595	1611.08533	1715.99939
1713.0	0.000595	1610.88696	1708.52368
1639.0	0.000625	1610.68848	1702.46179
1720.0	0.000595	1610.49011	1697.82092
1699.0	0.000595	1610.29138	1694.54346
1691.0	0.000595	1610.09253	1692.55151
1765.0	0.000567	1609.89355	1691.75281
1622.0	0.000625	1609.69458	1692.03943
1758.0	0.000567	1609.49548	1693.28906
1702.0	0.000595	1609.29614	1695.36719
1647.0	0.000595	1609.09668	1698.12756
1666.0	0.000595	1608.89734	1701.41333
1718.0	0.000595	1608.69763	1705.04993
1753.0	0.000567	1608.49780	1708.83350
1749.0	0.000567	1608.29810	1712.52014
1755.0	0.000567	1608.09814	1715.81567
1791.0	0.000567	1607.89795	1718.28235
1685.0	0.000595	1607.69775	1719.80823
1780.0	0.000567	1607.49756	1720.02209
1666.0	0.000595	1607.29712	1718.79089
1689.0	0.000595	1607.09656	1716.14490
1746.0	0.000567	1606.89600	1712.27209
1728.0	0.000567	1606.69531	1707.45947
1681.0	0.000595	1606.49438	1702.03247
1772.0	0.000567	1606.29333	1696.29993
1713.0	0.000595	1606.09253	1690.52917
1614.0	0.000625	1605.89124	1684.93933
1732.0	0.000567	1605.68994	1679.69714
1713.0	0.000595	1605.48877	1674.97131
1672.0	0.000595	1605.28723	1671.04236
1682.0	0.000595	1605.08569	1667.64929
1631.0	0.000625	1604.88403	1664.71765

1609.0	0.000625	1604.68237	1662.93127
1661.0	0.000595	1604.48047	1661.99585
1620.0	0.000625	1604.27844	1661.92200
1685.0	0.000595	1604.07642	1662.72034
1715.0	0.000595	1603.87439	1664.33008
1673.0	0.000595	1603.67212	1666.72705
1707.0	0.000595	1603.46985	1669.84583
1660.0	0.000595	1603.26758	1673.59668
1762.0	0.000567	1603.06494	1677.85400
1728.0	0.000567	1602.86243	1682.45166
1785.0	0.000567	1602.65967	1687.17224
1723.0	0.000567	1602.45703	1691.74170
1788.0	0.000567	1602.25415	1695.83618
1845.0	0.000541	1602.05115	1699.10437
1837.0	0.000541	1601.84827	1701.21362
1804.0	0.000567	1601.64514	1701.85059
1816.0	0.000541	1601.44202	1701.00171
1729.0	0.000567	1601.23865	1698.63892
1808.0	0.000541	1601.03552	1694.93628
1748.0	0.000567	1600.83203	1690.17212
1696.0	0.000595	1600.62854	1684.66992
1720.0	0.000595	1600.42505	1678.75012
1672.0	0.000595	1600.22144	1672.69348
1646.0	0.000595	1600.01758	1666.72375
1678.0	0.000595	1599.81384	1661.10645
1673.0	0.000595	1599.61011	1655.77002
1647.0	0.000595	1599.40613	1650.88733
1668.0	0.000595	1599.20215	1646.50354
1602.0	0.000625	1598.99805	1642.63989
1620.0	0.000625	1598.79395	1639.30127
1661.0	0.000595	1598.58972	1636.47900
1610.0	0.000625	1598.38538	1634.15588
1694.0	0.000595	1598.18115	1632.31299
1610.0	0.000625	1597.97681	1630.93066
1612.0	0.000625	1597.77222	1629.88171
1598.0	0.000625	1597.56763	1629.38013
1642.0	0.000595	1597.36316	1629.31165
1645.0	0.000595	1597.15857	1629.68359
1640.0	0.000625	1596.95374	1630.51208
1644.0	0.000595	1596.74915	1631.82349
1591.0	0.000625	1596.54419	1633.66272
1641.0	0.000595	1596.33936	1636.04443
1621.0	0.000625	1596.13428	1639.02148
1646.0	0.000595	1595.92944	1642.63428
1614.0	0.000625	1595.72437	1646.91626
1711.0	0.000595	1595.51929	1651.89209
1664.0	0.000595	1595.31421	1657.56946
1670.0	0.000595	1595.10901	1663.93359
1702.0	0.000595	1594.90369	1670.93774
1748.0	0.000567	1594.69836	1678.50745
1713.0	0.000595	1594.49316	1686.47705
1718.0	0.000595	1594.28772	1694.40894
1717.0	0.000595	1594.08215	1702.49683
1746.0	0.000567	1593.87671	1710.12988

1772.0	0.000567	1593.67126	1716.88196
1745.0	0.000567	1593.46570	1722.31885
1722.0	0.000567	1593.26001	1726.07605
1749.0	0.000567	1593.05457	1727.94043
1700.0	0.000595	1592.84875	1727.89355
1681.0	0.000595	1592.64307	1726.10352
1771.0	0.000567	1592.43726	1722.85278
1712.0	0.000595	1592.23157	1718.45874
1732.0	0.000567	1592.02576	1713.19885
1682.0	0.000595	1591.81982	1707.28394
1739.0	0.000567	1591.61401	1700.86487
1672.0	0.000595	1591.40808	1694.06458
1697.0	0.000595	1591.20215	1687.01416
1654.0	0.000595	1590.99609	1679.86475
1723.0	0.000567	1590.79016	1672.78833
1646.0	0.000595	1590.58411	1665.95520
1676.0	0.000595	1590.37805	1659.51697
1644.0	0.000595	1590.17212	1653.59167
1666.0	0.000595	1589.96594	1648.26331
1677.0	0.000595	1589.75977	1643.50195
1615.0	0.000625	1589.55359	1639.50049
1596.0	0.000625	1589.34753	1636.18958
1617.0	0.000625	1589.14136	1633.57263
1623.0	0.000625	1588.93518	1631.64880
1623.0	0.000625	1588.72888	1630.41968
1684.0	0.000595	1588.52271	1629.88635
1685.0	0.000595	1588.31653	1630.05420
1655.0	0.000595	1588.11023	1630.93115
1646.0	0.000595	1587.90393	1632.52759
1652.0	0.000595	1587.69775	1634.85095
1686.0	0.000595	1587.49133	1637.90613
1694.0	0.000595	1587.28503	1641.69031
1709.0	0.000595	1587.07886	1646.18665
1689.0	0.000595	1586.87244	1651.35950
1700.0	0.000595	1586.66614	1657.14600
1780.0	0.000567	1586.45996	1663.44287
1836.0	0.000541	1586.25354	1670.11414
1797.0	0.000567	1586.04724	1676.95374
1820.0	0.000541	1585.84082	1683.69861
1787.0	0.000567	1585.63464	1690.02576
1823.0	0.000541	1585.42822	1695.70850
1860.0	0.000541	1585.22192	1700.11035
1820.0	0.000541	1585.01563	1703.04968
1808.0	0.000541	1584.80933	1704.03198
1795.0	0.000567	1584.60303	1703.53601
1822.0	0.000541	1584.39661	1701.32312
1798.0	0.000567	1584.19043	1697.54224
1713.0	0.000595	1583.98413	1692.41626
1772.0	0.000567	1583.77783	1686.21765
1800.0	0.000567	1583.57153	1679.24390
1741.0	0.000567	1583.36536	1671.61633
1759.0	0.000567	1583.15918	1663.99207
1690.0	0.000595	1582.95288	1656.43323
1703.0	0.000595	1582.74683	1649.13647

1683.0	0.000595	1582.54053	1642.56995
1664.0	0.000595	1582.33435	1636.18555
1687.0	0.000595	1582.12817	1630.35828
1678.0	0.000595	1581.92224	1624.84412
1621.0	0.000625	1581.71606	1620.17334
1636.0	0.000625	1581.50989	1616.09949
1664.0	0.000595	1581.30396	1612.50696
1638.0	0.000625	1581.09790	1609.39343
1640.0	0.000625	1580.89185	1606.71130
1646.0	0.000595	1580.68591	1604.41431
1649.0	0.000595	1580.48010	1602.45337
1658.0	0.000595	1580.27417	1600.78467
1626.0	0.000625	1580.06824	1599.36646
1640.0	0.000625	1579.86255	1598.16321
1712.0	0.000595	1579.65662	1597.21094
1639.0	0.000625	1579.45081	1596.34961
1643.0	0.000595	1579.24512	1595.62537
1670.0	0.000595	1579.03943	1595.02271
1625.0	0.000625	1578.83374	1594.53101
1627.0	0.000625	1578.62817	1594.14270
1633.0	0.000625	1578.42249	1593.65540
1644.0	0.000595	1578.21704	1593.47278
1611.0	0.000625	1578.01160	1593.39539
1601.0	0.000625	1577.80615	1593.43091
1617.0	0.000625	1577.60083	1593.58704
1577.0	0.000625	1577.39551	1593.87537
1652.0	0.000595	1577.19006	1594.30701
1614.0	0.000625	1576.98486	1594.89392
1668.0	0.000595	1576.77979	1595.64697
1633.0	0.000625	1576.57458	1596.57617
1662.0	0.000595	1576.36938	1597.46216
1637.0	0.000625	1576.16455	1598.76074
1696.0	0.000595	1575.95947	1600.24036
1639.0	0.000625	1575.75452	1601.89099
1682.0	0.000595	1575.54956	1603.69165
1614.0	0.000625	1575.34485	1605.61060
1603.0	0.000625	1575.14014	1607.59973
1667.0	0.000595	1574.93530	1609.59253
1660.0	0.000595	1574.73083	1611.50330
1753.0	0.000567	1574.52625	1613.22827
1658.0	0.000595	1574.32166	1614.65527
1630.0	0.000625	1574.11719	1615.67920
1590.0	0.000625	1573.91296	1616.22888
1612.0	0.000625	1573.70862	1616.28247
1630.0	0.000625	1573.50439	1615.87866
1671.0	0.000595	1573.30017	1615.11145
1601.0	0.000625	1573.09619	1614.10999
1650.0	0.000595	1572.89221	1613.01758
1640.0	0.000595	1572.68823	1611.97485
1698.0	0.000595	1572.48450	1611.10974
1672.0	0.000595	1572.28064	1610.53406
1621.0	0.000625	1572.07690	1610.33459
1652.0	0.000595	1571.87329	1610.61926
1663.0	0.000595	1571.66992	1611.45264

1633.0	0.000625	1571.46643	1612.89941
1628.0	0.000625	1571.26294	1615.01392
1638.0	0.000625	1571.05981	1617.84045
1635.0	0.000625	1570.85657	1621.40857
1628.0	0.000625	1570.65344	1625.73083
1650.0	0.000595	1570.45032	1630.67920
1699.0	0.000595	1570.24756	1636.46228
1684.0	0.000595	1570.04468	1642.89246
1657.0	0.000595	1569.84192	1649.86304
1699.0	0.000595	1569.63928	1657.21753
1687.0	0.000595	1569.43677	1664.73511
1654.0	0.000595	1569.23425	1672.12292
1730.0	0.000567	1569.03186	1679.00525
1703.0	0.000595	1568.82971	1684.97607
1695.0	0.000595	1568.62744	1689.59167
1760.0	0.000567	1568.42542	1692.47461
1712.0	0.000595	1568.22339	1693.38367
1634.0	0.000625	1568.02161	1692.27063
1676.0	0.000595	1567.81982	1689.28491
1683.0	0.000595	1567.61816	1684.87793
1742.0	0.000567	1567.41663	1679.13403
1649.0	0.000595	1567.21521	1672.59668
1689.0	0.000595	1567.01392	1665.63086
1677.0	0.000595	1566.81262	1658.55420
1672.0	0.000595	1566.61169	1651.63354
1610.0	0.000625	1566.41064	1645.08936
1610.0	0.000625	1566.20972	1639.09705
1681.0	0.000595	1566.00903	1633.79065
1640.0	0.000625	1565.80835	1629.26648
1663.0	0.000595	1565.60779	1625.58459
1672.0	0.000595	1565.40735	1622.78174
1635.0	0.000625	1565.20715	1620.84692
1632.0	0.000625	1565.00696	1619.76501
1697.0	0.000595	1564.80688	1619.40759
1698.0	0.000595	1564.60706	1619.88489
1673.0	0.000595	1564.40723	1621.11902
1662.0	0.000595	1564.20752	1622.81775
1701.0	0.000595	1564.00793	1624.94031
1642.0	0.000595	1563.80872	1627.32227
1723.0	0.000567	1563.60938	1629.76477
1688.0	0.000595	1563.41016	1632.03748
1718.0	0.000595	1563.21106	1633.89124
1716.0	0.000595	1563.01233	1635.08545
1675.0	0.000595	1562.81360	1635.42603
1739.0	0.000567	1562.61487	1634.80652
1657.0	0.000595	1562.41663	1633.23206
1680.0	0.000595	1562.21826	1630.81274
1675.0	0.000595	1562.02002	1627.73450
1675.0	0.000595	1561.82190	1624.21582
1647.0	0.000595	1561.62415	1620.51611
1653.0	0.000595	1561.42627	1616.72998
1663.0	0.000595	1561.22864	1613.04688
1633.0	0.000625	1561.03125	1609.57202
1697.0	0.000595	1560.83398	1606.37305



1658.0	0.000595	1560.63672	1603.48706
1642.0	0.000595	1560.43970	1600.92456
1659.0	0.000595	1560.24292	1598.74219
1663.0	0.000595	1560.04614	1596.77551
1707.0	0.000595	1559.84949	1595.05103
1619.0	0.000625	1559.65320	1593.52673
1662.0	0.000595	1559.45691	1592.16077
1604.0	0.000625	1559.26074	1590.92090
1664.0	0.000595	1559.06494	1589.78284
1622.0	0.000625	1558.86914	1588.72595
1640.0	0.000595	1558.67346	1587.73242
1647.0	0.000595	1558.47803	1586.78015
1635.0	0.000625	1558.28271	1585.84448
1643.0	0.000595	1558.08765	1584.90173
1626.0	0.000625	1557.89270	1583.93323
1676.0	0.000595	1557.69788	1582.93091
1652.0	0.000595	1557.50342	1582.00110
1610.0	0.000625	1557.30896	1581.08167
1681.0	0.000595	1557.11462	1580.04749
1620.0	0.000625	1556.92041	1579.04456
1607.0	0.000625	1556.72668	1578.09583
1604.0	0.000625	1556.53284	1577.05420
1594.0	0.000625	1556.33923	1576.26050
1635.0	0.000625	1556.14600	1575.55835
1555.0	0.000657	1555.95264	1574.95239
1587.0	0.000625	1555.75952	1574.44556
1626.0	0.000625	1555.56665	1574.03918
1625.0	0.000625	1555.37415	1573.73401
1586.0	0.000625	1555.18152	1573.52905
1553.0	0.000657	1554.98926	1573.36877
1598.0	0.000625	1554.79724	1573.36792
1587.0	0.000625	1554.60522	1573.49414
1631.0	0.000625	1554.41345	1573.70679
1587.0	0.000625	1554.22180	1574.03467
1612.0	0.000625	1554.03052	1574.48840
1624.0	0.000625	1553.83936	1575.27307
1601.0	0.000625	1553.64832	1576.02307
1608.0	0.000625	1553.45752	1576.94983
1662.0	0.000595	1553.26697	1578.07959
1587.0	0.000625	1553.07654	1579.44312
1636.0	0.000625	1552.88635	1581.07556
1610.0	0.000625	1552.69641	1583.01538
1591.0	0.000625	1552.50659	1585.30481
1608.0	0.000625	1552.31689	1587.98743
1530.0	0.000657	1552.12744	1591.11035
1556.0	0.000657	1551.93835	1594.71680
1637.0	0.000625	1551.74939	1598.84937
1572.0	0.000625	1551.56055	1603.54504
1615.0	0.000625	1551.37207	1608.83582
1655.0	0.000595	1551.18372	1614.74170
1597.0	0.000625	1550.99548	1621.27087
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1637.0	0.000625	1550.61987	1636.13123
1564.0	0.000625	1550.43237	1644.35632

1539.0	0.000657	1550.24500	1652.97913
1575.0	0.000625	1550.05798	1662.24243
1571.0	0.000625	1549.87109	1671.19482
1679.0	0.000595	1549.68445	1679.95337
1593.0	0.000625	1549.49792	1688.35803
1545.0	0.000657	1549.31189	1696.31702
1735.0	0.000567	1549.12585	1703.82776
1604.0	0.000625	1548.94006	1710.90613
1731.0	0.000567	1548.75452	1718.01892
1690.0	0.000595	1548.56921	1725.31897
1761.0	0.000567	1548.38416	1733.05103
1734.0	0.000567	1548.19922	1741.37695
1686.0	0.000595	1548.01465	1750.27502
1735.0	0.000567	1547.83032	1759.74963
1774.0	0.000567	1547.64612	1769.45752
1794.0	0.000567	1547.46216	1778.94495
1834.0	0.000541	1547.27856	1787.60620
1843.0	0.000541	1547.09497	1794.73950
1853.0	0.000541	1546.91174	1799.64758
1883.0	0.000541	1546.72888	1801.76501
1849.0	0.000541	1546.54614	1800.77979
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1827.0	0.000541	1545.81750	1769.77539
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1796.0	0.000567	1545.45471	1745.40381
1829.0	0.000541	1545.27356	1732.82117
1761.0	0.000567	1545.09277	1720.45447
1731.0	0.000567	1544.91211	1708.50195
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1815.0	0.000541	1544.55188	1686.11243
1715.0	0.000595	1544.37207	1675.74268
1731.0	0.000567	1544.19250	1665.68530
1690.0	0.000595	1544.01331	1656.01501
1628.0	0.000625	1543.83423	1646.74060
1701.0	0.000595	1543.65540	1637.91968
1665.0	0.000595	1543.47705	1629.58459
1584.0	0.000625	1543.29871	1621.80652
1727.0	0.000567	1543.12061	1614.62646
1676.0	0.000595	1542.94287	1608.06287
1612.0	0.000625	1542.76550	1602.11462
1542.0	0.000657	1542.58826	1596.76172
1623.0	0.000625	1542.41125	1591.97498
1583.0	0.000625	1542.23474	1587.71533
1592.0	0.000625	1542.05823	1583.94312
1677.0	0.000595	1541.88208	1580.75134
1646.0	0.000595	1541.70618	1577.82922
1648.0	0.000595	1541.53064	1575.27087
1563.0	0.000625	1541.35535	1573.03625
1652.0	0.000595	1541.18018	1571.09106
1610.0	0.000625	1541.00562	1569.40137
1658.0	0.000595	1540.83105	1567.93640
1583.0	0.000625	1540.65674	1566.66821

1641.0	0.000595	1540.48279	1565.57349
1700.0	0.000595	1540.30920	1564.63110
1622.0	0.000625	1540.13574	1563.82190
1568.0	0.000625	1539.96265	1563.13159
1571.0	0.000625	1539.78979	1562.54773
1632.0	0.000625	1539.61731	1562.09302
1633.0	0.000625	1539.44495	1561.69592
1609.0	0.000625	1539.27307	1561.33740
1485.0	0.000657	1539.10144	1561.10901
1541.0	0.000657	1538.92993	1560.96460
1591.0	0.000625	1538.75891	1560.90527
1523.0	0.000657	1538.58801	1560.93628
1648.0	0.000595	1538.41748	1561.06555
1643.0	0.000595	1538.24731	1561.30347
1599.0	0.000625	1538.07727	1561.66455
1571.0	0.000625	1537.90771	1562.16699
1687.0	0.000595	1537.73840	1562.83826
1705.0	0.000595	1537.56921	1563.69019
1568.0	0.000625	1537.40039	1564.75916
1554.0	0.000657	1537.23206	1566.07947
1659.0	0.000595	1537.06384	1567.68481
1620.0	0.000625	1536.89600	1569.61584
1617.0	0.000625	1536.72852	1571.91040
1708.0	0.000595	1536.56116	1574.74377
1565.0	0.000625	1536.39417	1577.87854
1530.0	0.000657	1536.22754	1581.48120
1647.0	0.000595	1536.06128	1585.57458
1672.0	0.000595	1535.89514	1590.17029
1678.0	0.000595	1535.72937	1595.26819
1611.0	0.000625	1535.56396	1600.84692
1685.0	0.000595	1535.39893	1606.86499
1672.0	0.000595	1535.23413	1613.37439
1780.0	0.000567	1535.06958	1620.01807
1677.0	0.000595	1534.90552	1626.76318
1699.0	0.000595	1534.74158	1633.22998
1702.0	0.000595	1534.57800	1639.52454
1782.0	0.000567	1534.41467	1645.19250
1650.0	0.000595	1534.25183	1649.96802
1800.0	0.000567	1534.08923	1653.65125
1782.0	0.000567	1533.92688	1656.15344
1674.0	0.000595	1533.76501	1657.51233
1754.0	0.000567	1533.60339	1657.95227
1717.0	0.000595	1533.44202	1658.08167
1697.0	0.000595	1533.28101	1657.52124
1723.0	0.000567	1533.12048	1656.90845
1662.0	0.000595	1532.96008	1656.47900
1548.0	0.000657	1532.80005	1656.39294
1741.0	0.000567	1532.64038	1656.73254
1689.0	0.000595	1532.48096	1657.49658
1675.0	0.000595	1532.32190	1658.60864
1738.0	0.000567	1532.16321	1659.92139
1686.0	0.000595	1532.00488	1661.22632
1618.0	0.000625	1531.84680	1662.28003
1744.0	0.000567	1531.68909	1662.83521

1779.0	0.000567	1531.53174	1662.69153
1604.0	0.000625	1531.37476	1661.74255
1730.0	0.000567	1531.21802	1660.00391
1619.0	0.000625	1531.06165	1657.61133
1747.0	0.000567	1530.90564	1654.78394
1564.0	0.000625	1530.74988	1651.77686
1630.0	0.000625	1530.59460	1648.83679
1715.0	0.000595	1530.43958	1646.16504
1733.0	0.000567	1530.28491	1643.96570
1678.0	0.000595	1530.13062	1642.20618
1656.0	0.000595	1529.97656	1640.96924
1698.0	0.000595	1529.82300	1640.23450
1665.0	0.000595	1529.66968	1639.95056
1606.0	0.000625	1529.51672	1640.14392
1635.0	0.000625	1529.36414	1640.56946
1624.0	0.000625	1529.21191	1641.26843
1701.0	0.000595	1529.06006	1642.20667
1648.0	0.000595	1528.90845	1643.35791
1725.0	0.000567	1528.75732	1644.69470
1695.0	0.000595	1528.60645	1646.18958
1717.0	0.000595	1528.45593	1647.82300
1634.0	0.000625	1528.30566	1649.60388
1646.0	0.000595	1528.15601	1651.57996
1661.0	0.000595	1528.00659	1653.83850
1668.0	0.000595	1527.85742	1656.48315
1698.0	0.000595	1527.70874	1659.65369
1730.0	0.000567	1527.56042	1663.42688
1769.0	0.000567	1527.41235	1667.84167
1646.0	0.000595	1527.26465	1672.87292
1686.0	0.000595	1527.11755	1678.41699
1728.0	0.000567	1526.97058	1684.28735
1825.0	0.000541	1526.82397	1690.21399
1851.0	0.000541	1526.67773	1695.85657
1830.0	0.000541	1526.53198	1700.82336
1775.0	0.000567	1526.38647	1704.76990
1868.0	0.000541	1526.24133	1707.39771
1731.0	0.000567	1526.09668	1708.80774
1736.0	0.000567	1525.95227	1708.54883
1841.0	0.000541	1525.80823	1707.08118
1731.0	0.000567	1525.66455	1704.85901
1786.0	0.000567	1525.52148	1702.09998
1768.0	0.000567	1525.37854	1699.32642
1727.0	0.000567	1525.23596	1696.90942
1762.0	0.000567	1525.09387	1695.13782
1656.0	0.000595	1524.95215	1694.20581
1691.0	0.000595	1524.81067	1694.23254
1742.0	0.000567	1524.66968	1695.17993
1680.0	0.000595	1524.52905	1697.08142
1703.0	0.000595	1524.38879	1699.57214
1678.0	0.000595	1524.24878	1702.65894
1652.0	0.000595	1524.10938	1705.69250
1668.0	0.000595	1523.97021	1708.49573
1684.0	0.000595	1523.83142	1710.73474
1632.0	0.000625	1523.69312	1712.15112

1642.0	0.000595	1523.55518	1712.61902
1656.0	0.000595	1523.41748	1712.18762
1667.0	0.000595	1523.28027	1711.08411
1675.0	0.000595	1523.14343	1709.67029
1697.0	0.000595	1523.00696	1708.38098
1665.0	0.000595	1522.87085	1707.65417
1638.0	0.000625	1522.73523	1707.88062
1657.0	0.000595	1522.59985	1709.37341
1623.0	0.000625	1522.46497	1712.35217
1568.0	0.000625	1522.33044	1716.93958
1668.0	0.000595	1522.19629	1723.16187
1640.0	0.000625	1522.06262	1730.94067
1665.0	0.000595	1521.92920	1740.08655
1693.0	0.000595	1521.79614	1750.28857
1716.0	0.000595	1521.66370	1761.09424
1650.0	0.000595	1521.53149	1771.90356
1747.0	0.000567	1521.39966	1781.97620
1739.0	0.000567	1521.26819	1790.46997
1728.0	0.000567	1521.13733	1796.52930
1732.0	0.000567	1521.00659	1799.41223
1712.0	0.000595	1520.87634	1798.63147
1721.0	0.000595	1520.74658	1794.05823
1716.0	0.000595	1520.61719	1785.94385
1682.0	0.000595	1520.48816	1774.85486
1728.0	0.000567	1520.35950	1761.40833
1750.0	0.000567	1520.23132	1746.68518
1705.0	0.000595	1520.10352	1731.29993
1725.0	0.000567	1519.97595	1715.89502
1710.0	0.000595	1519.84888	1700.98291
1681.0	0.000595	1519.72241	1686.95459
1644.0	0.000595	1519.59619	1674.09375
1672.0	0.000595	1519.47021	1662.59888
1640.0	0.000625	1519.34497	1652.59607
1633.0	0.000625	1519.21985	1644.15405
1643.0	0.000595	1519.09521	1637.29553
1660.0	0.000595	1518.97107	1632.00378
1653.0	0.000595	1518.84729	1628.22461
1658.0	0.000595	1518.72388	1625.87756
1641.0	0.000595	1518.60083	1624.52783
1601.0	0.000625	1518.47839	1624.69470
1688.0	0.000595	1518.35620	1625.89014
1710.0	0.000595	1518.23438	1628.24475
1684.0	0.000595	1518.11304	1630.90186
1678.0	0.000595	1517.99207	1634.04480
1710.0	0.000595	1517.87158	1637.42688
1627.0	0.000625	1517.75146	1640.88818
1720.0	0.000595	1517.63171	1644.19507
1685.0	0.000595	1517.51245	1647.22632
1666.0	0.000595	1517.39355	1649.84717
1723.0	0.000567	1517.27515	1651.94238
1715.0	0.000595	1517.15710	1653.42920
1744.0	0.000567	1517.03943	1654.20593
1766.0	0.000567	1516.92224	1654.44385
1691.0	0.000595	1516.80530	1654.17395

1701.0	0.000595	1516.68896	1653.54846
1762.0	0.000567	1516.57300	1652.74133
1708.0	0.000595	1516.45740	1651.92041
1738.0	0.000567	1516.34229	1651.21729
1725.0	0.000567	1516.22766	1650.71265
1662.0	0.000595	1516.11328	1650.41858
1662.0	0.000595	1515.99939	1650.27795
1718.0	0.000595	1515.88599	1650.16199
1711.0	0.000595	1515.77283	1649.88733
1681.0	0.000595	1515.66028	1649.24194
1644.0	0.000595	1515.54810	1648.02832
1649.0	0.000595	1515.43628	1646.10645
1685.0	0.000595	1515.32483	1643.43127
1659.0	0.000595	1515.21387	1640.06592
1672.0	0.000595	1515.10352	1636.16187
1642.0	0.000595	1514.99329	1631.92603
1653.0	0.000595	1514.88367	1627.57788
1632.0	0.000625	1514.77429	1623.31689
1608.0	0.000625	1514.66565	1619.30457
1631.0	0.000625	1514.55713	1615.65735
1650.0	0.000595	1514.44922	1612.44897
1649.0	0.000595	1514.34167	1609.71582
1607.0	0.000625	1514.23450	1607.47046
1608.0	0.000625	1514.12781	1605.71204
1617.0	0.000625	1514.02148	1604.44006
1595.0	0.000625	1513.91577	1603.66809
1628.0	0.000625	1513.81030	1603.47290
1657.0	0.000595	1513.70532	1603.81567
1629.0	0.000625	1513.60083	1604.80347
1592.0	0.000625	1513.49658	1606.49878
1668.0	0.000595	1513.39294	1608.95874
1632.0	0.000625	1513.28955	1612.22180
1664.0	0.000595	1513.18689	1616.40894
1630.0	0.000625	1513.08435	1621.31665
1655.0	0.000595	1512.98242	1627.01843
1648.0	0.000595	1512.88086	1633.46130
1676.0	0.000595	1512.77979	1640.56274
1636.0	0.000625	1512.67908	1648.20532
1681.0	0.000595	1512.57874	1656.23352
1667.0	0.000595	1512.47900	1664.45679
1715.0	0.000595	1512.37952	1672.66345
1685.0	0.000595	1512.28064	1680.64819
1680.0	0.000595	1512.18213	1688.24524
1727.0	0.000567	1512.08398	1695.36133
1766.0	0.000567	1511.98633	1701.98413
1692.0	0.000595	1511.88916	1708.16760
1749.0	0.000567	1511.79236	1713.99683
1715.0	0.000595	1511.69592	1719.55432
1700.0	0.000595	1511.60010	1724.89612
1722.0	0.000595	1511.50452	1730.05774
1720.0	0.000595	1511.40942	1735.07458
1719.0	0.000595	1511.31494	1740.00220
1708.0	0.000595	1511.22070	1744.97717
1684.0	0.000595	1511.12695	1749.96509

1687.0	0.000595	1511.03369	1755.06628
1733.0	0.000567	1510.94067	1760.23743
1743.0	0.000567	1510.84827	1765.31421
1715.0	0.000595	1510.75635	1769.83972
1680.0	0.000595	1510.66467	1773.68701
1669.0	0.000595	1510.57361	1776.19714
1687.0	0.000595	1510.48291	1776.87671
1673.0	0.000595	1510.39270	1775.35535
1641.0	0.000595	1510.30273	1771.48230
1643.0	0.000595	1510.21338	1765.46814
1627.0	0.000625	1510.12451	1757.52979
1611.0	0.000625	1510.03601	1748.26550
1591.0	0.000625	1509.94788	1738.31555
1654.0	0.000595	1509.86023	1728.28296
1646.0	0.000595	1509.77307	1718.68567
1651.0	0.000595	1509.68628	1709.95215
1632.0	0.000625	1509.59998	1702.38159
1606.0	0.000625	1509.51416	1696.17212
1639.0	0.000625	1509.42871	1691.42834
1645.0	0.000595	1509.34363	1688.02771
1656.0	0.000595	1509.25903	1686.18579
1642.0	0.000595	1509.17493	1685.61548
1658.0	0.000595	1509.09131	1686.09302
1644.0	0.000595	1509.00793	1687.32007
1641.0	0.000595	1508.92517	1688.98181
1618.0	0.000625	1508.84277	1690.71912
1674.0	0.000595	1508.76086	1692.08044
1659.0	0.000595	1508.67932	1692.62195
1642.0	0.000595	1508.59839	1692.22314
1700.0	0.000595	1508.51770	1690.75842
1667.0	0.000595	1508.43750	1688.21484
1610.0	0.000625	1508.35779	1684.66687
1651.0	0.000595	1508.27856	1680.23254
1658.0	0.000595	1508.19958	1675.20874
1663.0	0.000595	1508.12122	1669.81885
1632.0	0.000625	1508.04321	1664.37146
1588.0	0.000625	1507.96570	1659.56799
1619.0	0.000625	1507.88855	1654.95557
1689.0	0.000595	1507.81189	1651.19312
1632.0	0.000625	1507.73572	1648.45618
1596.0	0.000625	1507.65991	1647.08057
1584.0	0.000625	1507.58447	1647.15747
1610.0	0.000625	1507.50964	1648.80334
1600.0	0.000625	1507.43518	1652.09790
1660.0	0.000595	1507.36108	1657.08252
1672.0	0.000595	1507.28760	1663.75916
1636.0	0.000625	1507.21448	1672.08374
1689.0	0.000595	1507.14172	1681.96362
1664.0	0.000595	1507.06946	1693.24353
1679.0	0.000595	1506.99756	1705.69775
1659.0	0.000595	1506.92627	1719.01428
1749.0	0.000567	1506.85522	1732.79004
1651.0	0.000595	1506.78467	1746.71741
1739.0	0.000567	1506.71472	1759.78723

1781.0	0.000567	1506.64502	1771.79919
1768.0	0.000567	1506.57581	1782.12183
1707.0	0.000595	1506.50708	1790.56421
1764.0	0.000567	1506.43872	1796.85889
1789.0	0.000567	1506.37073	1801.02295
1774.0	0.000567	1506.30334	1803.22107
1774.0	0.000567	1506.23633	1803.69409
1834.0	0.000541	1506.16968	1802.67456
1835.0	0.000541	1506.10352	1800.32056
1711.0	0.000595	1506.03784	1796.67493
1795.0	0.000567	1505.97253	1791.66394
1894.0	0.000517	1505.90771	1785.13953
1822.0	0.000541	1505.84326	1776.95935
1796.0	0.000567	1505.77930	1767.01660
1828.0	0.000541	1505.71582	1755.38586
1811.0	0.000541	1505.65271	1742.21826
1819.0	0.000541	1505.58997	1727.91626
1769.0	0.000567	1505.52783	1712.88025
1762.0	0.000567	1505.46594	1697.36133
1695.0	0.000595	1505.40454	1682.15625
1746.0	0.000567	1505.34363	1667.41052
1654.0	0.000595	1505.28320	1653.38330
1716.0	0.000595	1505.22302	1640.25476
1715.0	0.000595	1505.16345	1628.25110
1662.0	0.000595	1505.10425	1617.20850
1658.0	0.000595	1505.04553	1607.25781
1632.0	0.000625	1504.98706	1598.38782
1643.0	0.000595	1504.92920	1590.56458
1582.0	0.000625	1504.87170	1583.73975
1580.0	0.000625	1504.81470	1577.85596
1628.0	0.000625	1504.75806	1572.84973
1565.0	0.000625	1504.70190	1568.65747
1594.0	0.000625	1504.64612	1565.21838
1560.0	0.000657	1504.59082	1562.47876
1579.0	0.000625	1504.53589	1560.39001
1598.0	0.000625	1504.48145	1558.91736
1603.0	0.000625	1504.42737	1558.03491
1649.0	0.000595	1504.37378	1557.73242
1589.0	0.000625	1504.32056	1557.61084
1580.0	0.000625	1504.26782	1558.48718
1662.0	0.000595	1504.21545	1559.94885
1586.0	0.000625	1504.16357	1562.09827
1622.0	0.000625	1504.11206	1564.94202
1533.0	0.000657	1504.06104	1568.52759
1612.0	0.000625	1504.01050	1572.90051
1577.0	0.000625	1503.96021	1578.10315
1669.0	0.000595	1503.91040	1584.16956
1630.0	0.000625	1503.86108	1591.12134
1611.0	0.000625	1503.81213	1598.95862
1608.0	0.000625	1503.76367	1607.65894
1667.0	0.000595	1503.71558	1617.16394
1599.0	0.000625	1503.66785	1627.37366
1600.0	0.000625	1503.62061	1638.13879
1647.0	0.000595	1503.57385	1649.25427



1661.0	0.000595	1503.52734	1660.39709
1707.0	0.000595	1503.48132	1671.20105
1728.0	0.000567	1503.43579	1681.19983
1697.0	0.000595	1503.39063	1689.86316
1750.0	0.000567	1503.34595	1696.64575
1775.0	0.000567	1503.30164	1701.05701
1733.0	0.000567	1503.25769	1702.74829
1760.0	0.000567	1503.21423	1701.57849
1740.0	0.000567	1503.17114	1697.64075
1732.0	0.000567	1503.12854	1691.18750
1707.0	0.000595	1503.08618	1682.87903
1650.0	0.000595	1503.04443	1672.96716
1627.0	0.000625	1503.00293	1662.07788
1655.0	0.000595	1502.96204	1650.68250
1586.0	0.000625	1502.92139	1639.18115
1660.0	0.000595	1502.88123	1627.79309
1614.0	0.000625	1502.84143	1616.96277
1661.0	0.000595	1502.80212	1606.76831
1572.0	0.000625	1502.76306	1597.32861
1547.0	0.000657	1502.72449	1588.70630
1632.0	0.000625	1502.68640	1580.96936
1514.0	0.000657	1502.64868	1574.11255
1555.0	0.000657	1502.61133	1568.12561
1592.0	0.000625	1502.57446	1562.98193
1600.0	0.000625	1502.53796	1558.64099
1643.0	0.000595	1502.50183	1555.05872
1506.0	0.000657	1502.46606	1552.18823
1539.0	0.000657	1502.43079	1550.05090
1548.0	0.000657	1502.39587	1548.46533
1577.0	0.000625	1502.36145	1547.45984
1631.0	0.000625	1502.32727	1546.86523
1565.0	0.000625	1502.29370	1546.92334
1591.0	0.000625	1502.26038	1547.47437
1608.0	0.000625	1502.22742	1548.49744
1579.0	0.000625	1502.19495	1549.97559
1530.0	0.000657	1502.16284	1551.88989
1565.0	0.000625	1502.13110	1554.22058
1646.0	0.000595	1502.09985	1556.94031
1621.0	0.000625	1502.06885	1560.01294
1578.0	0.000625	1502.03833	1563.39111
1630.0	0.000625	1502.00830	1567.00891
1632.0	0.000625	1501.97852	1570.78516
1598.0	0.000625	1501.94910	1574.62024
1590.0	0.000625	1501.92017	1578.37195
1569.0	0.000625	1501.89160	1581.98975
1581.0	0.000625	1501.86340	1585.32507
1593.0	0.000625	1501.83569	1588.27173
1592.0	0.000625	1501.80823	1590.72839
1631.0	0.000625	1501.78125	1592.60303
1598.0	0.000625	1501.75464	1593.80713
1568.0	0.000625	1501.72839	1594.26831
1547.0	0.000657	1501.70251	1593.94568
1624.0	0.000625	1501.67700	1592.84595
1603.0	0.000625	1501.65198	1591.03796

1627.0	0.000625	1501.62720	1588.63916
1641.0	0.000595	1501.60278	1585.82947
1629.0	0.000625	1501.57886	1582.78430
1585.0	0.000625	1501.55530	1579.68115
1558.0	0.000657	1501.53210	1576.68994
1611.0	0.000625	1501.50928	1573.89929
1535.0	0.000657	1501.48682	1571.41687
1679.0	0.000595	1501.46472	1569.16138
1511.0	0.000657	1501.44299	1567.43872
1591.0	0.000625	1501.42163	1566.11157
1576.0	0.000625	1501.40063	1565.15564
1575.0	0.000625	1501.38013	1564.52393
1537.0	0.000657	1501.35986	1564.14600
1512.0	0.000657	1501.33997	1564.00854
1535.0	0.000657	1501.32056	1563.85486
1617.0	0.000625	1501.30139	1563.52734
1569.0	0.000625	1501.28259	1563.17615
1561.0	0.000625	1501.26416	1562.60022
1592.0	0.000625	1501.24622	1561.76245
1491.0	0.000657	1501.22852	1560.66846
1537.0	0.000657	1501.21118	1559.35962
1590.0	0.000625	1501.19421	1557.90540
1544.0	0.000657	1501.17761	1556.38721
1639.0	0.000625	1501.16138	1554.88696
1508.0	0.000657	1501.14551	1553.47998
1576.0	0.000625	1501.13000	1552.23389
1542.0	0.000657	1501.11475	1550.85559
1610.0	0.000625	1501.09998	1550.09900
1555.0	0.000657	1501.08545	1549.65637
1492.0	0.000657	1501.07141	1549.57251
1531.0	0.000657	1501.05762	1549.88965
1501.0	0.000657	1501.04419	1550.65405
1531.0	0.000657	1501.03113	1551.91309
1559.0	0.000657	1501.01843	1553.71948
1503.0	0.000657	1501.00598	1556.12695
1516.0	0.000657	1500.99390	1559.19556
1559.0	0.000657	1500.98230	1562.98560
1508.0	0.000657	1500.97095	1567.55884
1555.0	0.000657	1500.95984	1572.97717
1519.0	0.000657	1500.94922	1579.29651
1534.0	0.000657	1500.93884	1586.56653
1701.0	0.000595	1500.92883	1594.82483
1571.0	0.000625	1500.91919	1604.09436
1561.0	0.000625	1500.90991	1614.37610
1676.0	0.000595	1500.90088	1625.64453
1533.0	0.000657	1500.89221	1637.83911
1539.0	0.000657	1500.88391	1650.70496
1617.0	0.000625	1500.87585	1664.39136
1566.0	0.000625	1500.86816	1678.51892
1648.0	0.000595	1500.86084	1692.78589
1567.0	0.000625	1500.85376	1706.80481
1580.0	0.000625	1500.84705	1720.01868
1618.0	0.000625	1500.84070	1732.09949
1688.0	0.000595	1500.83459	1742.45081

1544.0	0.000657	1500.82886	1750.66003
1658.0	0.000595	1500.82349	1756.49280
1574.0	0.000625	1500.81836	1759.94263
1612.0	0.000625	1500.81348	1761.26257
1581.0	0.000625	1500.80896	1760.90552
1526.0	0.000657	1500.80481	1759.44250
1613.0	0.000625	1500.80103	1757.47009
1651.0	0.000595	1500.79749	1755.53320
1689.0	0.000595	1500.79419	1754.09192
1624.0	0.000625	1500.79126	1753.42798
1652.0	0.000595	1500.78857	1753.74170
1668.0	0.000595	1500.78625	1755.08264
1642.0	0.000595	1500.78430	1757.36914
1700.0	0.000595	1500.78259	1760.39490
1642.0	0.000595	1500.78113	1763.84497
1674.0	0.000595	1500.78003	1767.32605
1790.0	0.000567	1500.77917	1770.40845
1758.0	0.000567	1500.77869	1772.70825
1737.0	0.000567	1500.77844	1773.95508
1736.0	0.000567	1500.77856	1774.04993
1723.0	0.000567	1500.77881	1772.83826
1753.0	0.000567	1500.77954	1771.12585
1757.0	0.000567	1500.78040	1768.95447
1717.0	0.000595	1500.78162	1766.68542
1603.0	0.000625	1500.78320	1764.91858
1676.0	0.000595	1500.78491	1763.86707
1666.0	0.000595	1500.78699	1763.73547
1692.0	0.000595	1500.78931	1764.60571
1641.0	0.000595	1500.79199	1766.42041
1677.0	0.000595	1500.79492	1768.96521
1703.0	0.000595	1500.79810	1771.95227
1659.0	0.000595	1500.80151	1774.81030
1656.0	0.000595	1500.80530	1776.99854
1761.0	0.000567	1500.80933	1778.17993
1705.0	0.000595	1500.81360	1777.60376
1687.0	0.000595	1500.81812	1774.82251
1752.0	0.000567	1500.82288	1769.55176
1714.0	0.000595	1500.82800	1761.76477
1712.0	0.000595	1500.83337	1751.65356
1825.0	0.000541	1500.83899	1739.59094
1702.0	0.000595	1500.84473	1726.05591
1751.0	0.000567	1500.85095	1711.56006
1664.0	0.000595	1500.85730	1696.58618
1661.0	0.000595	1500.86389	1681.55811
1674.0	0.000595	1500.87085	1666.81909
1564.0	0.000625	1500.87793	1652.63916
1620.0	0.000625	1500.88538	1639.21606
1575.0	0.000625	1500.89294	1626.68958
1505.0	0.000657	1500.90088	1615.14819
1578.0	0.000625	1500.90906	1604.64038
1531.0	0.000657	1500.91736	1595.17651
1518.0	0.000657	1500.92603	1586.74561
1638.0	0.000625	1500.93494	1579.31433
1544.0	0.000657	1500.94397	1572.83508

1500.0	0.000657	1500.95325	1567.25037
1573.0	0.000625	1500.96289	1562.49646
1596.0	0.000625	1500.97266	1558.50977
1563.0	0.000625	1500.98267	1555.22595
1598.0	0.000625	1500.99304	1552.58679
1590.0	0.000625	1501.00354	1550.53882
1572.0	0.000625	1501.01416	1549.03589
1519.0	0.000657	1501.02515	1548.04138
1559.0	0.000657	1501.03638	1547.52576
1504.0	0.000657	1501.04773	1547.46680
1604.0	0.000625	1501.05933	1547.85120
1581.0	0.000625	1501.07117	1548.66956
1593.0	0.000625	1501.08325	1549.91785
1575.0	0.000625	1501.09546	1551.59448
1566.0	0.000625	1501.10791	1553.69763
1536.0	0.000657	1501.12061	1556.22229
1572.0	0.000625	1501.13354	1559.15796
1584.0	0.000625	1501.14661	1562.48584
1626.0	0.000625	1501.15991	1566.17493
1576.0	0.000625	1501.17346	1570.18140
1584.0	0.000625	1501.18713	1574.44824
1545.0	0.000657	1501.20105	1578.91040
1583.0	0.000625	1501.21521	1583.49548
1510.0	0.000657	1501.22949	1588.12976
1620.0	0.000625	1501.24402	1592.57373
1652.0	0.000595	1501.25879	1596.93262
1616.0	0.000625	1501.27356	1601.26086
1567.0	0.000625	1501.28870	1605.29456
1696.0	0.000595	1501.30396	1608.86365
1601.0	0.000625	1501.31934	1611.85693
1581.0	0.000625	1501.33508	1614.04895
1678.0	0.000595	1501.35083	1615.24390
1634.0	0.000625	1501.36682	1615.28687
1615.0	0.000625	1501.38293	1614.09448
1618.0	0.000625	1501.39941	1611.68127
1638.0	0.000625	1501.41589	1608.16760
1656.0	0.000595	1501.43250	1603.73132
1625.0	0.000625	1501.44946	1598.61853
1623.0	0.000625	1501.46643	1593.07642
1576.0	0.000625	1501.48364	1587.33582
1596.0	0.000625	1501.50098	1581.59448
1569.0	0.000625	1501.51855	1576.01074
1588.0	0.000625	1501.53625	1570.70825
1601.0	0.000625	1501.55408	1565.77722
1560.0	0.000657	1501.57202	1561.28284
1537.0	0.000657	1501.59021	1557.26953
1555.0	0.000657	1501.60852	1553.76672
1512.0	0.000657	1501.62695	1550.78931
1559.0	0.000657	1501.64551	1548.34521
1530.0	0.000657	1501.66431	1546.43457
1554.0	0.000657	1501.68311	1545.05298
1527.0	0.000657	1501.70215	1544.19397
1592.0	0.000625	1501.72131	1543.84741
1554.0	0.000657	1501.74072	1544.00610

1569.0	0.000625	1501.76013	1544.65759
1587.0	0.000625	1501.77966	1545.79346
1559.0	0.000657	1501.79944	1547.40186
1571.0	0.000625	1501.81921	1549.46948
1588.0	0.000625	1501.83923	1551.97900
1577.0	0.000625	1501.85925	1554.90759
1558.0	0.000657	1501.87952	1558.22876
1618.0	0.000625	1501.89990	1561.90869
1590.0	0.000625	1501.92029	1565.91199
1605.0	0.000625	1501.94092	1570.15601
1596.0	0.000625	1501.96155	1574.69446
1542.0	0.000657	1501.98242	1579.44299
1586.0	0.000625	1502.00330	1584.47485
1565.0	0.000625	1502.02429	1589.49451
1571.0	0.000625	1502.04541	1594.53381
1606.0	0.000625	1502.06665	1599.47485
1606.0	0.000625	1502.08801	1604.06030
1601.0	0.000625	1502.10938	1608.31018
1569.0	0.000625	1502.13098	1611.92090
1590.0	0.000625	1502.15259	1614.70752
1613.0	0.000625	1502.17432	1616.53235
1623.0	0.000625	1502.19617	1617.33643
1569.0	0.000625	1502.21802	1617.15393
1607.0	0.000625	1502.24011	1616.10742
1608.0	0.000625	1502.26221	1614.38159
1567.0	0.000625	1502.28430	1612.19019
1579.0	0.000625	1502.30652	1609.74353
1594.0	0.000625	1502.32886	1607.22424
1607.0	0.000625	1502.35132	1604.86963
1566.0	0.000625	1502.37378	1602.59802
1572.0	0.000625	1502.39636	1600.51196
1589.0	0.000625	1502.41907	1598.60364
1595.0	0.000625	1502.44165	1596.82251
1569.0	0.000625	1502.46448	1595.07251
1563.0	0.000625	1502.48730	1593.24121
1549.0	0.000657	1502.51013	1591.17480
1545.0	0.000657	1502.53308	1588.71521
1586.0	0.000625	1502.55615	1585.90698
1612.0	0.000625	1502.57922	1582.67358
1602.0	0.000625	1502.60229	1579.05310
1552.0	0.000657	1502.62549	1575.13049
1522.0	0.000657	1502.64868	1571.01672
1569.0	0.000625	1502.67188	1566.82935
1565.0	0.000625	1502.69519	1562.67993
1531.0	0.000657	1502.71851	1558.66077
1563.0	0.000625	1502.74194	1554.85120
1587.0	0.000625	1502.76538	1551.30176
1516.0	0.000657	1502.78882	1548.07043
1487.0	0.000657	1502.81226	1545.16016
1559.0	0.000657	1502.83582	1542.60620
1538.0	0.000657	1502.85938	1540.42004
1631.0	0.000625	1502.88293	1538.61206
1598.0	0.000625	1502.90662	1537.18628
1560.0	0.000657	1502.93018	1536.14441

1518.0	0.000657	1502.95386	1535.48865
1603.0	0.000625	1502.97742	1535.21533
1565.0	0.000625	1503.00110	1535.32397
1537.0	0.000657	1503.02478	1535.80920
1545.0	0.000657	1503.04858	1536.66736
1524.0	0.000657	1503.07227	1537.88977
1514.0	0.000657	1503.09595	1539.46631
1601.0	0.000625	1503.11963	1541.38257
1549.0	0.000657	1503.14343	1543.61597
1603.0	0.000625	1503.16711	1546.13794
1585.0	0.000625	1503.19080	1548.91003
1562.0	0.000625	1503.21448	1551.88354
1601.0	0.000625	1503.23816	1555.00122
1620.0	0.000625	1503.26184	1558.19775
1614.0	0.000625	1503.28552	1561.40076
1600.0	0.000625	1503.30920	1564.53748
1670.0	0.000595	1503.33289	1567.52747
1643.0	0.000595	1503.35645	1570.28345
1622.0	0.000625	1503.38013	1572.70605
1652.0	0.000595	1503.40369	1574.68420
1684.0	0.000595	1503.42725	1576.09717
1615.0	0.000625	1503.45081	1576.83032
1637.0	0.000625	1503.47424	1576.79236
1586.0	0.000625	1503.49768	1575.93811
1574.0	0.000625	1503.52124	1574.28052
1621.0	0.000625	1503.54456	1571.89441
1628.0	0.000625	1503.56787	1568.90051
1618.0	0.000625	1503.59119	1565.44897
1600.0	0.000625	1503.61450	1561.69531
1620.0	0.000625	1503.63770	1557.78455
1588.0	0.000625	1503.66089	1553.84094
1568.0	0.000625	1503.68396	1549.96985
1580.0	0.000625	1503.70703	1546.23767
1520.0	0.000657	1503.73010	1542.70459
1576.0	0.000625	1503.75305	1539.40906
1515.0	0.000657	1503.77588	1536.37463
1496.0	0.000657	1503.79871	1533.61426
1547.0	0.000657	1503.82141	1531.13135
1508.0	0.000657	1503.84412	1528.92371
1530.0	0.000657	1503.86682	1526.98096
1544.0	0.000657	1503.88928	1525.30225
1548.0	0.000657	1503.91174	1523.84998
1519.0	0.000657	1503.93420	1522.64331
1530.0	0.000657	1503.95642	1521.61414
1557.0	0.000657	1503.97876	1520.77051
1595.0	0.000625	1504.00085	1520.09558
1523.0	0.000657	1504.02295	1519.57336
1522.0	0.000657	1504.04492	1519.19116
1556.0	0.000657	1504.06677	1518.93689
1554.0	0.000657	1504.08850	1519.03479
1529.0	0.000657	1504.11023	1519.01123
1509.0	0.000657	1504.13184	1519.09265
1542.0	0.000657	1504.15332	1519.27429
1561.0	0.000625	1504.17468	1519.55261

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1527.0	0.000657	1504.21716	1520.39709
1532.0	0.000657	1504.23816	1520.97168
1564.0	0.000625	1504.25916	1521.63538
1552.0	0.000657	1504.28003	1522.39917
1543.0	0.000657	1504.30066	1523.26501
1562.0	0.000625	1504.32129	1524.23511
1574.0	0.000625	1504.34180	1525.30823
1601.0	0.000625	1504.36206	1526.48389
1543.0	0.000657	1504.38232	1527.75696
1580.0	0.000625	1504.40247	1529.12048
1589.0	0.000625	1504.42236	1530.56592
1580.0	0.000625	1504.44226	1532.08154
1613.0	0.000625	1504.46191	1533.65381
1575.0	0.000625	1504.48145	1535.26587
1618.0	0.000625	1504.50085	1536.89807
1550.0	0.000657	1504.52014	1538.52856
1570.0	0.000625	1504.53931	1540.13892
1605.0	0.000625	1504.55823	1541.70483
1623.0	0.000625	1504.57715	1543.21936
1608.0	0.000625	1504.59583	1544.67883
1627.0	0.000625	1504.61426	1546.08533
1602.0	0.000625	1504.63269	1547.44373
1637.0	0.000625	1504.65088	1548.75305
1572.0	0.000625	1504.66895	1550.00256
1585.0	0.000625	1504.68677	1551.16724
1637.0	0.000625	1504.70459	1552.20728
1586.0	0.000625	1504.72205	1553.06775
1547.0	0.000657	1504.73938	1553.59778
1578.0	0.000625	1504.75671	1553.91089
1644.0	0.000595	1504.77368	1553.84766
1580.0	0.000625	1504.79053	1553.41895
1595.0	0.000625	1504.80725	1552.61011
1608.0	0.000625	1504.82373	1551.45532
1559.0	0.000657	1504.83997	1550.01538
1651.0	0.000595	1504.85608	1548.36340
1576.0	0.000625	1504.87207	1546.57556
1564.0	0.000625	1504.88770	1544.71692
1563.0	0.000625	1504.90332	1542.84241
1617.0	0.000625	1504.91858	1540.98987
1543.0	0.000657	1504.93372	1539.18152
1596.0	0.000625	1504.94873	1537.43018
1597.0	0.000625	1504.96338	1535.73853
1600.0	0.000625	1504.97803	1534.10620
1580.0	0.000625	1504.99231	1532.37195
1580.0	0.000625	1505.00635	1530.84875
1625.0	0.000625	1505.02026	1529.26245
1594.0	0.000625	1505.03394	1527.92407
1599.0	0.000625	1505.04749	1526.57690
1567.0	0.000625	1505.06067	1525.30066
1581.0	0.000625	1505.07373	1524.10425
1638.0	0.000625	1505.08655	1522.71057
1595.0	0.000625	1505.09912	1521.69092
1593.0	0.000625	1505.11145	1520.75989

1607.0	0.000625	1505.12354	1519.91589
1582.0	0.000625	1505.13550	1519.15430
1590.0	0.000625	1505.14709	1518.46704
1572.0	0.000625	1505.15857	1517.84802
1634.0	0.000625	1505.16968	1517.28967
1624.0	0.000625	1505.18066	1516.78491
1582.0	0.000625	1505.19128	1516.32654
1609.0	0.000625	1505.20178	1515.95935
1577.0	0.000625	1505.21191	1515.58337
1571.0	0.000625	1505.22192	1515.24634
1571.0	0.000625	1505.23157	1514.94360
1529.0	0.000657	1505.24109	1514.68176
1567.0	0.000625	1505.25024	1514.52466
1571.0	0.000625	1505.25916	1514.32410
1502.0	0.000657	1505.26782	1514.15552
1536.0	0.000657	1505.27625	1514.01819
1531.0	0.000657	1505.28442	1513.91064
1525.0	0.000657	1505.29224	1513.83191
1512.0	0.000657	1505.29980	1513.78198
1536.0	0.000657	1505.30713	1513.76099
1503.0	0.000657	1505.31421	1513.76807
1521.0	0.000657	1505.32092	1513.80396
1511.0	0.000657	1505.32751	1513.86938
1550.0	0.000657	1505.33374	1513.96545
1540.0	0.000657	1505.33960	1514.09265
1529.0	0.000657	1505.34521	1514.25208
1535.0	0.000657	1505.35059	1514.44702
1497.0	0.000657	1505.35571	1514.67700
1496.0	0.000657	1505.36047	1514.94324
1524.0	0.000657	1505.36499	1515.24780
1534.0	0.000657	1505.36914	1515.59180
1553.0	0.000657	1505.37305	1515.97534
1520.0	0.000657	1505.37659	1516.42639
1570.0	0.000625	1505.37988	1516.87549
1560.0	0.000657	1505.38293	1517.37854
1550.0	0.000657	1505.38562	1517.91785
1627.0	0.000625	1505.38794	1518.49011
1593.0	0.000625	1505.39001	1519.08997
1603.0	0.000625	1505.39172	1519.71021
1522.0	0.000657	1505.39319	1520.34265
1515.0	0.000657	1505.39429	1520.97644
1548.0	0.000657	1505.39514	1521.59961
1521.0	0.000657	1505.39563	1522.08643
1491.0	0.000657	1505.39575	1522.65186
1548.0	0.000657	1505.39563	1523.20300
1588.0	0.000625	1505.39514	1523.71021
1547.0	0.000657	1505.39429	1524.15845
1571.0	0.000625	1505.39319	1524.58789
1514.0	0.000657	1505.39160	1525.03589
1568.0	0.000625	1505.38989	1525.50183
1555.0	0.000657	1505.38770	1526.07385
1525.0	0.000657	1505.38525	1526.70313
1578.0	0.000625	1505.38245	1527.54150
1595.0	0.000625	1505.37927	1528.46814



1617.0	0.000625	1505.37573	1529.59277
1510.0	0.000657	1505.37183	1530.94861
1502.0	0.000657	1505.36768	1532.66199
1453.0	0.000693	1505.36316	1534.57837
1454.0	0.000693	1505.35828	1536.81982
1604.0	0.000625	1505.35303	1539.41309
1549.0	0.000657	1505.34741	1542.38269
1501.0	0.000657	1505.34143	1545.74829
1630.0	0.000625	1505.33508	1549.52319
1629.0	0.000625	1505.32849	1553.71436
1633.0	0.000625	1505.32141	1558.31897
1483.0	0.000657	1505.31396	1563.32361
1557.0	0.000657	1505.30627	1568.70142
1529.0	0.000657	1505.29810	1574.40784
1540.0	0.000657	1505.28967	1580.37695
1525.0	0.000657	1505.28076	1586.51917
1543.0	0.000657	1505.27148	1592.71436
1560.0	0.000657	1505.26196	1598.81445
1517.0	0.000657	1505.25195	1604.64600
1642.0	0.000595	1505.24158	1610.00977
1535.0	0.000657	1505.23083	1614.76123
1531.0	0.000657	1505.21973	1618.74768
1598.0	0.000625	1505.20825	1621.89771
1533.0	0.000657	1505.19629	1624.21960
1549.0	0.000657	1505.18408	1625.80481
1599.0	0.000625	1505.17139	1626.80859
1594.0	0.000625	1505.15833	1627.42114
1490.0	0.000657	1505.14490	1627.83569
1550.0	0.000657	1505.13110	1628.22058
1551.0	0.000657	1505.11682	1628.70239
1487.0	0.000657	1505.10229	1629.24414
1599.0	0.000625	1505.08728	1630.07715
1609.0	0.000625	1505.07190	1631.04492
1577.0	0.000625	1505.05603	1632.04358
1554.0	0.000657	1505.03979	1632.91919
1611.0	0.000625	1505.02319	1633.48071
1608.0	0.000625	1505.00623	1633.53833
1686.0	0.000595	1504.98877	1632.90454
1656.0	0.000595	1504.97095	1631.44373
1574.0	0.000625	1504.95276	1629.09045
1663.0	0.000595	1504.93408	1625.85425
1570.0	0.000625	1504.91504	1621.81787
1646.0	0.000595	1504.89563	1617.11743
1566.0	0.000625	1504.87573	1611.91602
1534.0	0.000657	1504.85547	1606.49487
1573.0	0.000625	1504.83472	1600.79602
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1479.0	0.000693	1504.79211	1589.38232
1529.0	0.000657	1504.77014	1583.95569
1572.0	0.000625	1504.74780	1578.80005
1599.0	0.000625	1504.72498	1573.96375
1472.0	0.000693	1504.70166	1569.47693
1578.0	0.000625	1504.67810	1565.34558
1403.0	0.000730	1504.65393	1561.56116

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1567.0	0.000625	1504.60449	1554.92639
1407.0	0.000693	1504.57922	1552.00574
1445.0	0.000693	1504.55334	1549.30188
1481.0	0.000693	1504.52722	1546.78552
1464.0	0.000693	1504.50049	1544.43335
1498.0	0.000657	1504.47339	1542.23572
1507.0	0.000657	1504.44592	1540.18457
1563.0	0.000625	1504.41797	1538.28113
1572.0	0.000625	1504.38953	1536.52966
1593.0	0.000625	1504.36072	1534.92517
1528.0	0.000657	1504.33154	1533.47070
1476.0	0.000693	1504.30176	1532.16626
1551.0	0.000657	1504.27161	1531.05566
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1524.0	0.000657	1504.20996	1529.16724
1495.0	0.000657	1504.17847	1528.42944
1494.0	0.000657	1504.14661	1527.82300
1501.0	0.000657	1504.11426	1527.34680
1532.0	0.000657	1504.08142	1526.99658
1504.0	0.000657	1504.04810	1526.77258
1549.0	0.000657	1504.01440	1526.67419
1533.0	0.000657	1503.98022	1526.70154
1559.0	0.000657	1503.94568	1526.85791
1509.0	0.000657	1503.91064	1527.13037
1489.0	0.000657	1503.87512	1527.55859
1502.0	0.000657	1503.83911	1528.13513
1506.0	0.000657	1503.80273	1528.87073
1542.0	0.000657	1503.76587	1529.77991
1530.0	0.000657	1503.72852	1530.87793
1552.0	0.000657	1503.69080	1532.18750
1492.0	0.000657	1503.65259	1533.73059
1484.0	0.000657	1503.61389	1535.45959
1540.0	0.000657	1503.57471	1537.55627
1548.0	0.000657	1503.53516	1539.97607
1572.0	0.000625	1503.49512	1542.75415
1449.0	0.000693	1503.45459	1545.92664
1487.0	0.000657	1503.41357	1549.52930
1448.0	0.000693	1503.37219	1553.59949
1567.0	0.000625	1503.33032	1558.17029
1516.0	0.000657	1503.28796	1563.27612
1577.0	0.000625	1503.24512	1568.94580
1488.0	0.000657	1503.20190	1575.20313
1521.0	0.000657	1503.15820	1582.06323
1454.0	0.000693	1503.11401	1589.54651
1537.0	0.000657	1503.06934	1597.59937
1589.0	0.000625	1503.02417	1606.19873
1586.0	0.000625	1502.97864	1615.27686
1583.0	0.000625	1502.93262	1624.73474
1596.0	0.000625	1502.88611	1634.44336
1677.0	0.000595	1502.83923	1644.24048
1561.0	0.000625	1502.79175	1653.93445
1614.0	0.000625	1502.74390	1663.30212
1631.0	0.000625	1502.69556	1672.08484

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1591.0	0.000625	1502.54785	1691.86255
1588.0	0.000625	1502.49756	1695.18237
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1597.0	0.000625	1502.39587	1695.41602
1569.0	0.000625	1502.34424	1692.21680
1593.0	0.000625	1502.29224	1686.97815
1562.0	0.000625	1502.23975	1679.98560
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1563.0	0.000625	1501.97046	1631.80945
1614.0	0.000625	1501.91516	1621.62585
1543.0	0.000657	1501.85938	1611.80493
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1513.0	0.000657	1501.68945	1585.65088
1504.0	0.000657	1501.63196	1578.24695
1508.0	0.000657	1501.57397	1571.61963
1527.0	0.000657	1501.51550	1565.59924
1616.0	0.000625	1501.45654	1560.24927
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1512.0	0.000657	1501.27698	1547.82227
1549.0	0.000657	1501.21631	1544.73181
1426.0	0.000693	1501.15515	1542.08838
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1488.0	0.000657	1500.45215	1533.89917
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1491.0	0.000657	1499.90710	1548.43933
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1563.0	0.000625	1499.11267	1588.00769
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1561.0	0.000625	1498.26794	1610.55798
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1588.0	0.000625	1498.10913	1614.14636
1644.0	0.000595	1498.02917	1615.44580
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1678.0	0.000595	1497.70532	1615.08154
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1677.0	0.000595	1497.45850	1608.09924
1663.0	0.000595	1497.37537	1604.79749
1621.0	0.000625	1497.29199	1601.24097
1581.0	0.000625	1497.20825	1597.59277
1658.0	0.000595	1497.12415	1594.00879
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1575.0	0.000625	1496.95483	1587.56519
1666.0	0.000595	1496.86951	1584.91394
1577.0	0.000625	1496.78394	1582.74463
1616.0	0.000625	1496.69812	1581.10303
1637.0	0.000625	1496.61182	1580.01770
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1640.0	0.000625	1496.43823	1579.54590
1637.0	0.000625	1496.35107	1580.13770
1626.0	0.000625	1496.26343	1581.24487
1656.0	0.000595	1496.17542	1582.84326
1617.0	0.000625	1496.08716	1584.87244
1629.0	0.000625	1495.99854	1587.31213
1616.0	0.000625	1495.90967	1590.14136
1588.0	0.000625	1495.82043	1593.35889
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1723.0	0.000567	1494.44617	1676.86816
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1490.0	0.000657	1491.53894	1534.41248
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1538.0	0.000657	1490.84094	1543.04980
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1535.0	0.000657	1490.54065	1552.35144
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1522.0	0.000657	1490.23987	1563.64221
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1486.0	0.000657	1489.83850	1577.64807
1579.0	0.000625	1489.73816	1580.04529
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1496.0	0.000657	1488.93579	1571.92761
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1568.0	0.000625	1488.53589	1560.23010
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6	0	2	o	106755.37	110783.46	-71.27	2.26047	7.93
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6	8	0	o	24435.971	20730.666	180.00	1.90827	0.84
9	3	1	o	72744.77	52493.38	-74.19	1.89974	5.82
2	8	2	o	14615.253	9234.680	-38.52	1.89739	1.44
8	6	0	o	13286.961	8824.635	0.00	1.89541	0.44
2	10	0	o	2814.207	1114.947	0.00	1.88602	0.13
1	5	3	o	30396.424	14949.880	90.46	1.88558	4.23
5	1	3	o	51598.89	23646.371	41.23	1.87492	7.04
8	2	2	o	45723.18	17625.637	45.95	1.87060	4.36
6	6	2	o	698.329	151.388	93.61	1.84794	0.12
10	2	0	o	16256.327	11953.163	180.00	1.84443	0.51
7	7	1	o	139149.14	98607.84	-68.58	1.84304	10.80
3	5	3	o	52096.62	51876.49	44.17	1.81394	6.42
5	3	3	o	44979.92	35822.27	-136.77	1.80760	5.51
4	8	2	o	30530.408	23014.857	89.88	1.79101	2.58
5	9	1	o	78116.57	68723.33	90.60	1.78807	5.40
4	10	0	o	138598.25	127934.93	0.00	1.78143	4.79
8	4	2	o	28164.338	27508.549	39.52	1.77287	2.36
9	5	1	o	64319.12	50096.07	140.52	1.76707	4.37
10	4	0	o	149224.09	194341.38	-180.00	1.75054	4.91

1	7	3	o	10650.477	2090.861	-123.89	1.70001	1.03
5	5	3	o	65589.96	27605.494	48.03	1.69219	6.54
7	1	3	o	15181.650	13253.912	140.46	1.68448	1.43
1	11	1	o	187930.97	164085.53	-21.02	1.68374	11.94
8	8	0	o	25700.881	19513.770	0.00	1.68098	0.78
0	10	2	o	120872.60	75677.52	54.15	1.65845	4.57
6	8	2	o	22876.068	21133.914	-46.85	1.64760	1.64
3	7	3	o	14227.251	13425.002	-24.41	1.64696	1.29
11	1	1	o	142610.53	135853.09	95.35	1.64675	8.61
6	10	0	o	44379.74	34080.734	0.00	1.64013	1.45
8	6	2	o	42459.54	32847.074	46.71	1.63930	3.00
7	3	3	o	7009.576	5086.952	27.13	1.63515	0.74
2	10	2	o	3284.291	2538.519	169.46	1.63321	0.25
0	0	4	o	207642.70	166910.19	-137.85	1.63283	6.72
3	11	1	o	56515.63	47208.45	-109.28	1.63214	3.20
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10	6	0	o	6380.954	6308.377	0.00	1.62160	0.27
7	9	1	o	85403.48	86315.49	170.45	1.62065	4.96
9	7	1	o	78868.40	69090.48	-82.21	1.61163	4.64
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2	2	4	o	66689.41	72810.84	75.98	1.58672	7.19
2	12	0	o	5195.108	2491.158	-180.00	1.58144	0.14
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4	10	2	o	15131.057	5331.963	28.28	1.56388	0.99
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7	5	3	o	5220.194	3895.059	-149.70	1.54824	0.47
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2	4	4	o	12593.641	8217.233	-165.94	1.52575	1.39
4	2	4	o	11800.458	6453.568	-82.60	1.52291	1.22
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11	5	1	o	34573.430	17151.646	125.15	1.51879	1.73
4	12	0	o	40910.81	17350.264	0.00	1.51825	1.15
9	1	3	o	22086.002	14904.188	55.63	1.50238	1.52
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6	10	2	o	8162.917	4860.076	-76.42	1.46567	0.40
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7	7	3	o	7821.590	5688.382	-124.35	1.44048	0.47
1	13	1	o	43825.21	33331.762	77.88	1.44001	1.87
2	6	4	o	66321.34	58894.46	26.18	1.43810	5.41
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6	12	0	o	23934.920	23504.381	-180.00	1.42791	0.47
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13	1	1	o	18824.539	19660.119	170.42	1.40764	0.69
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3	13	1	o	5068.586	5146.753	-172.08	1.40734	0.17
9	5	3	o	33239.395	27285.629	60.43	1.40332	1.92
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2	14	0	o	38778.63	32957.059	0.00	1.36065	0.75
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5	13	1	o	83021.55	96348.51	78.01	1.34815	3.32
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8	12	0	o	934.082	1162.365	180.00	1.32483	0.01
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3	1	5	o	3879.893	2796.755	41.40	1.27595	0.30
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2	10	4	o	8006.646	6283.368	5.49	1.23447	0.42
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5	1	5	o	26678.750	28941.492	23.48	1.23134	1.74
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4	14	2	o	19092.188	15047.537	-76.87	1.22362	0.71
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9	15	1	o	22466.428	55979.04	37.24	1.07841	0.54
16	4	2	o	15253.639	32140.574	81.27	1.07719	0.39
6	12	4	o	6777.396	11216.299	42.72	1.07488	0.19
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