

data\_NH4-K-NAT\_20\_HEAT\_40\_publ

\_pd\_block\_id

2010-12-15T23:09|NH4-K-NAT\_20\_HEAT\_40|H4-K-NAT\_20\_HEAT\_400|Overall

\_audit\_creation\_method "from EXP file using GSAS2CIF"

\_audit\_creation\_date 2010-12-15T23:09

\_audit\_author\_name NH4-K-NAT\_20\_HEAT\_400

\_audit\_update\_record

; 2010-12-15T23:09 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
data_NH4-K-NAT_20_HEAT_40_overall
```

```
_refine_ls_shift/su_max      16.61
_refine_ls_shift/su_mean     2.59
_computing_structure_refinement  GSAS
_refine_ls_number_parameters  42
_refine_ls_goodness_of_fit_all 2.39
_refine_ls_number_restraints  28
_refine_ls_matrix_type       full
```

```
# pointers to the phase blocks
```

```
loop_  _pd_phase_block_id
      2010-12-15T23:09|NH4-K-NAT_20_HEAT_40_phase1|H4-K-NAT_20_HEAT_400||
      2010-12-15T23:09|NH4-K-NAT_20_HEAT_40_phase2|H4-K-NAT_20_HEAT_400||
      2010-12-15T23:09|NH4-K-NAT_20_HEAT_40_phase3|H4-K-NAT_20_HEAT_400||
```

```
# pointers to the diffraction patterns
```

```
loop_  _pd_block_diffraction_id
      2010-12-15T23:09|NH4-K-NAT_20_HEAT_40_H_01|H4-K-NAT_20_HEAT_400|
```

```
# Information for phase 1
```

```
data_NH4-K-NAT_20_HEAT_40_phase_1
```

```
_pd_block_id
      2010-12-15T23:09|NH4-K-NAT_20_HEAT_40_phase1|H4-K-NAT_20_HEAT_400||
```

```
# Histograms for phase 1
```

```
loop_  _pd_block_diffraction_id
      2010-12-15T23:09|NH4-K-NAT_20_HEAT_40_H_01|H4-K-NAT_20_HEAT_400|
```

```
#=====
```

## # 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 dehy-NH4-K-NAT\_20\_heat\_400

\_cell\_length\_a 17.4722(5)

\_cell\_length\_b 18.5303(4)

\_cell\_length\_c 6.54294(14)

\_cell\_angle\_alpha 90.0

\_cell\_angle\_beta 90.0

\_cell\_angle\_gamma 90.0

\_cell\_volume 2118.38(11)

\_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
Si1  0.0      0.0     -0.0610(8)  1.0      Uiso  0.0165(6)   8
Si
Si2  0.14592(24) 0.21863(18) 0.5514(7)  1.0      Uiso  0.0165(6)  16
Al
Al  0.03393(22) 0.09362(22) 0.5475(7)  1.0      Uiso  0.0165(6)  16
O
O1  0.02217(34) 0.06889(23) 0.8002(8)  1.0      Uiso  0.0144(12) 16
O
O2  0.06166(25) 0.18320(24) 0.5293(11) 1.0      Uiso  0.0144(12) 16
O
O3  0.10424(30) 0.04146(25) 0.4363(9)  1.0      Uiso  0.0144(12) 16
O
O4  0.20370(28) 0.16007(29) 0.6470(11) 1.0      Uiso  0.0144(12) 16
O
O5  0.17432(23) 0.23328(32) 0.3208(8)  1.0      Uiso  0.0144(12) 16
K
K  0.03405(31) 0.18848(28) 0.0644(11) 0.667(7) Uiso  0.0300(11) 16
N
N  0.0996(25) 0.1810(19) 0.096(5)   0.333(7) Uiso  0.0300(11) 16

```

```

loop_ _atom_type_symbol
      _atom_type_number_in_cell
      O 80.0
      Si 24.0
      Al 16.0
      K 10.665
      N 5.335

```

```

# If you change Z, be sure to change all 3 of the following
_chemical_formula_sum      "Al2 K1.33 N0.67 O10 Si3"
_chemical_formula_weight   359.68
_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
Si1  O1      1.6138(16) .   1_554 N
Si1  O1      1.6138(16) . 104_554 N
Si1  O4      3.523(8) . 102_544 N
Si1  O4      3.523(8) . 203_454 N
Si1  O5      1.6087(16) . 102_544 N
Si1  O5      1.6087(16) . 203_454 N
Si1  K       3.637(5) .   1_555 N

```

Si1	K	4.025(5)	102_544	N
Si1	K	3.637(5)	104_555	N
Si1	K	4.025(5)	203_454	N
Si2	Al	3.032(4)	1_555	N
Si2	Al	3.075(4)	2_555	N
Si2	O2	1.6184(22)	1_555	N
Si2	O3	3.446(4)	1_555	N
Si2	O3	1.6126(22)	2_555	N
Si2	O4	1.6088(22)	1_555	N
Si2	O4	3.514(7)	204_555	N
Si2	O5	1.6115(22)	1_555	N
Si2	O5	3.597(5)	204_555	N
Si2	K	3.780(7)	1_555	N
Si2	K	3.924(7)	1_556	N
Si2	K	4.087(7)	3_555	N
Si2	K	3.586(6)	4_555	N
Al	Si2	3.032(4)	1_555	N
Al	Si2	3.075(4)	102_544	N
Al	O1	1.7284(22)	1_555	N
Al	O1	3.573(5)	104_555	N
Al	O2	1.7333(22)	1_555	N
Al	O3	1.7241(22)	1_555	N
Al	O3	3.553(7)	104_555	N
Al	O4	3.277(5)	1_555	N
Al	O4	3.547(7)	102_544	N
Al	O4	1.7142(22)	203_454	N
Al	K	3.617(7)	1_555	N
Al	K	3.812(7)	1_556	N
O1	Si1	1.6138(16)	1_556	N
O1	Al	1.7284(22)	1_555	N
O1	Al	3.573(5)	104_555	N
O1	O1	2.668(8)	104_555	N
O1	O2	2.847(6)	1_555	N
O1	O3	2.826(6)	1_555	N
O1	O3	3.838(8)	104_555	N
O1	O4	3.731(8)	1_555	N
O1	O4	3.975(7)	102_544	N
O1	O4	2.923(6)	203_454	N
O1	O4	4.102(8)	203_455	N
O1	O5	2.554(5)	102_545	N
O1	O5	2.644(5)	203_455	N
O1	K	2.818(7)	1_556	N
O1	K	4.161(9)	102_545	N
O1	K	4.164(7)	203_455	N
O1	N	3.15(4)	1_556	N
O1	N	3.03(4)	203_455	N
O2	Si2	1.6184(22)	1_555	N
O2	Al	1.7333(22)	1_555	N
O2	O1	2.847(6)	1_555	N
O2	O3	2.797(6)	1_555	N
O2	O3	2.691(5)	2_555	N
O2	O3	4.288(8)	203_454	N
O2	O4	2.634(5)	1_555	N
O2	O4	2.701(5)	203_454	N

O2	O5	2.569(6)	1_555	N
O2	K	3.082(9)	1_555	N
O2	K	3.535(9)	1_556	N
O2	K	4.708(7)	3_555	N
O2	K	2.916(6)	4_555	N
O2	N	2.910(32)	1_555	N
O3	Si2	3.446(4)	1_555	N
O3	Si2	1.6126(22)	102_544	N
O3	Al	1.7241(22)	1_555	N
O3	Al	3.553(7)	104_555	N
O3	O1	2.826(6)	1_555	N
O3	O1	3.838(8)	104_555	N
O3	O2	2.797(6)	1_555	N
O3	O2	4.288(8)	3_555	N
O3	O2	2.691(5)	102_544	N
O3	O3	3.954(11)	104_555	N
O3	O4	3.123(6)	1_555	N
O3	O4	2.649(6)	102_544	N
O3	O4	2.791(6)	203_454	N
O3	O5	3.835(8)	1_555	N
O3	O5	2.670(6)	102_544	N
O3	O5	4.318(8)	102_545	N
O3	O5	3.976(7)	203_454	N
O3	K	3.853(7)	1_555	N
O3	K	3.263(7)	3_555	N
O3	K	3.684(8)	102_545	N
O4	Si1	3.523(8)	2_555	N
O4	Si2	1.6088(22)	1_555	N
O4	Si2	3.514(7)	204_555	N
O4	Al	3.277(5)	1_555	N
O4	Al	3.547(7)	2_555	N
O4	Al	1.7142(22)	3_555	N
O4	O1	3.731(8)	1_555	N
O4	O1	3.975(7)	2_555	N
O4	O1	4.102(8)	3_554	N
O4	O1	2.923(6)	3_555	N
O4	O2	2.634(5)	1_555	N
O4	O2	2.701(5)	3_555	N
O4	O3	3.123(6)	1_555	N
O4	O3	2.649(6)	2_555	N
O4	O3	2.791(6)	3_555	N
O4	O4	3.705(12)	204_555	N
O4	O5	2.581(6)	1_555	N
O4	O5	3.606(8)	204_555	N
O4	K	4.064(7)	1_556	N
O4	K	3.169(7)	3_555	N
O4	K	4.255(7)	102_545	N
O5	Si1	1.6087(16)	2_555	N
O5	Si2	1.6115(22)	1_555	N
O5	Si2	3.597(5)	204_555	N
O5	O1	2.554(5)	2_554	N
O5	O1	2.644(5)	3_554	N
O5	O2	2.569(6)	1_555	N
O5	O3	3.835(8)	1_555	N



O5	O3	4.318(8)	2_554	N
O5	O3	2.670(6)	2_555	N
O5	O3	3.976(7)	3_555	N
O5	O4	2.581(6)	1_555	N
O5	O4	3.606(8)	204_555	N
O5	O5	2.716(8)	204_555	N
O5	K	3.084(7)	1_555	N
O5	K	3.872(8)	2_555	N
O5	K	3.716(8)	3_555	N
O5	K	4.230(7)	4_555	N
O5	N	2.19(4)	1_555	N
K	Si1	3.637(5)	1_555	N
K	Si1	4.025(5)	2_555	N
K	Si2	3.924(7)	1_554	N
K	Si2	3.780(7)	1_555	N
K	Si2	3.586(6)	4_554	N
K	Si2	4.087(7)	203_454	N
K	Al	3.812(7)	1_554	N
K	Al	3.617(7)	1_555	N
K	O1	2.818(7)	1_554	N
K	O1	4.161(9)	2_554	N
K	O1	4.164(7)	3_554	N
K	O2	3.535(9)	1_554	N
K	O2	3.082(9)	1_555	N
K	O2	2.916(6)	4_554	N
K	O2	4.708(7)	203_454	N
K	O3	3.853(7)	1_555	N
K	O3	3.684(8)	2_554	N
K	O3	3.263(7)	203_454	N
K	O4	4.064(7)	1_554	N
K	O4	4.255(7)	2_554	N
K	O4	3.169(7)	203_454	N
K	O5	3.084(7)	1_555	N
K	O5	4.230(7)	4_554	N
K	O5	3.872(8)	102_544	N
K	O5	3.716(8)	203_454	N
K	K	4.161(6)	4_554	N
K	K	4.161(6)	4_555	N
K	N	1.17(4)	1_555	N
N	O1	3.15(4)	1_554	N
N	O1	3.03(4)	3_554	N
N	O2	2.910(32)	1_555	N
N	O5	2.19(4)	1_555	N
N	K	1.17(4)	1_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	Si1	O1	111.5(5)	1_554	104_543	N
O1	Si1	O5	104.87(26)	1_554	102_544	N
O1	Si1	O5	110.28(29)	1_554	203_454	N
O1	Si1	K	47.77(20)	1_554	1_555	N
O1	Si1	K	157.80(30)	1_554	104_544	N
O1	Si1	O5	110.28(29)	104_543	102_544	N
O1	Si1	O5	104.87(26)	104_543	203_454	N
O1	Si1	K	157.80(30)	104_543	1_555	N
O1	Si1	K	47.77(20)	104_543	104_544	N
O5	Si1	O5	115.2(5)	102_544	203_454	N
O5	Si1	K	85.96(24)	102_544	1_555	N
O5	Si1	K	80.14(24)	102_544	104_544	N
O5	Si1	K	80.14(24)	203_454	1_555	N
O5	Si1	K	85.96(24)	203_454	104_544	N
K	Si1	K	153.93(23)	1_555	104_544	N
O2	Si2	O3	112.76(34)	1_555	2_555	N
O2	Si2	O4	109.39(32)	1_555	1_555	N
O2	Si2	O5	105.35(33)	1_555	1_555	N
O2	Si2	K	53.07(19)	1_555	4_555	N
O3	Si2	O4	110.7(4)	2_555	1_555	N
O3	Si2	O5	111.8(4)	2_555	1_555	N
O3	Si2	K	65.40(23)	2_555	4_555	N
O4	Si2	O5	106.5(4)	1_555	1_555	N
O4	Si2	K	149.88(32)	1_555	4_555	N
O5	Si2	K	102.20(26)	1_555	4_555	N
O1	Al	O2	110.65(33)	1_555	1_555	N
O1	Al	O3	109.86(34)	1_555	1_555	N
O1	Al	O4	116.2(4)	1_555	203_454	N
O1	Al	K	164.84(30)	1_555	1_555	N
O2	Al	O3	107.99(31)	1_555	1_555	N
O2	Al	O4	103.14(26)	1_555	203_454	N
O2	Al	K	58.30(27)	1_555	1_555	N
O3	Al	O4	108.55(34)	1_555	203_454	N
O3	Al	K	84.45(25)	1_555	1_555	N
O4	Al	K	61.18(23)	203_454	1_555	N
Si1	O1	Al	141.0(4)	1_556	1_555	N
Si1	O1	K	107.13(25)	1_556	1_556	N
Al	O1	K	111.69(23)	1_555	1_556	N
Si2	O2	Al	129.54(34)	1_555	1_555	N
Si2	O2	K	102.57(33)	1_555	1_555	N
Si2	O2	K	100.59(24)	1_555	4_555	N
Al	O2	K	93.11(30)	1_555	1_555	N
Al	O2	K	127.97(25)	1_555	4_555	N
K	O2	K	87.82(22)	1_555	4_555	N
Si2	O3	Al	134.3(4)	102_544	1_555	N
Si2	O3	K	87.89(25)	102_544	3_555	N
Al	O3	K	136.51(28)	1_555	3_555	N
Si2	O4	Al	139.8(4)	1_555	3_555	N
Si2	O4	K	113.56(29)	1_555	3_555	N
Al	O4	K	90.53(26)	3_555	3_555	N
Si1	O5	Si2	141.9(4)	2_555	1_555	N
Si1	O5	K	114.42(30)	2_555	1_555	N
Si2	O5	K	102.67(25)	1_555	1_555	N
Si1	K	Si2	108.19(15)	1_555	4_554	N

Si1	K	Al	74.35(15)	1_555 .	1_555 N
Si1	K	O1	25.09(7)	1_555 .	1_554 N
Si1	K	O2	102.58(20)	1_555 .	1_555 N
Si1	K	O2	132.19(19)	1_555 .	4_554 N
Si1	K	O3	90.40(17)	1_555 .	203_454 N
Si1	K	O4	61.90(17)	1_555 .	203_454 N
Si1	K	O5	120.75(19)	1_555 .	1_555 N
Si1	K	K	107.59(15)	1_555 .	4_554 N
Si1	K	K	131.05(20)	1_555 .	4_555 N
Si1	K	N	94.9(19)	1_555 .	1_555 N
Si2	K	Al	104.68(19)	4_554 .	1_555 N
Si2	K	O1	107.36(20)	4_554 .	1_554 N
Si2	K	O2	100.12(20)	4_554 .	1_555 N
Si2	K	O2	26.34(8)	4_554 .	4_554 N
Si2	K	O3	26.71(6)	4_554 .	203_454 N
Si2	K	O4	84.51(18)	4_554 .	203_454 N
Si2	K	O5	125.48(22)	4_554 .	1_555 N
Si2	K	K	57.84(15)	4_554 .	4_554 N
Si2	K	K	60.32(18)	4_554 .	4_555 N
Si2	K	N	156.6(19)	4_554 .	1_555 N
Al	K	O1	98.84(18)	1_555 .	1_554 N
Al	K	O2	28.59(7)	1_555 .	1_555 N
Al	K	O2	117.69(24)	1_555 .	4_554 N
Al	K	O3	80.85(17)	1_555 .	203_454 N
Al	K	O4	28.29(7)	1_555 .	203_454 N
Al	K	O5	69.87(14)	1_555 .	1_555 N
Al	K	K	162.40(23)	1_555 .	4_554 N
Al	K	K	65.10(8)	1_555 .	4_555 N
Al	K	N	77.7(16)	1_555 .	1_555 N
O1	K	O2	126.30(23)	1_554 .	1_555 N
O1	K	O2	123.42(26)	1_554 .	4_554 N
O1	K	O3	99.71(20)	1_554 .	203_454 N
O1	K	O4	86.30(20)	1_554 .	203_454 N
O1	K	O5	127.15(24)	1_554 .	1_555 N
O1	K	K	85.85(13)	1_554 .	4_554 N
O1	K	K	153.12(26)	1_554 .	4_555 N
O1	K	N	95.1(19)	1_554 .	1_555 N
O2	K	O2	101.14(25)	1_555 .	4_554 N
O2	K	O3	85.00(19)	1_555 .	203_454 N
O2	K	O4	51.17(12)	1_555 .	203_454 N
O2	K	O5	49.24(13)	1_555 .	1_555 N
O2	K	K	146.95(24)	1_555 .	4_554 N
O2	K	K	44.45(9)	1_555 .	4_555 N
O2	K	N	70.6(17)	1_555 .	1_555 N
O2	K	O3	51.25(13)	4_554 .	203_454 N
O2	K	O4	105.65(24)	4_554 .	203_454 N
O2	K	O5	106.20(21)	4_554 .	1_555 N
O2	K	K	47.73(21)	4_554 .	4_554 N
O2	K	K	56.70(22)	4_554 .	4_555 N
O2	K	N	132.1(18)	4_554 .	1_555 N
O3	K	O4	58.07(16)	203_454 .	203_454 N
O3	K	O5	126.98(23)	203_454 .	1_555 N
O3	K	K	81.63(17)	203_454 .	4_554 N
O3	K	K	57.99(19)	203_454 .	4_555 N

O3	K	N	155.6(18)	203_454	.	1_555	N
O4	K	O5	97.67(18)	203_454	.	1_555	N
O4	K	K	136.80(25)	203_454	.	4_554	N
O4	K	K	69.46(14)	203_454	.	4_555	N
O4	K	N	104.0(16)	203_454	.	1_555	N
O5	K	K	120.50(24)	1_555	.	4_554	N
O5	K	K	69.64(14)	1_555	.	4_555	N
O5	K	N	32.7(18)	1_555	.	1_555	N
K	K	K	103.65(22)	4_554	.	4_555	N
K	K	N	119.0(17)	4_554	.	1_555	N
K	K	N	101.8(18)	4_555	.	1_555	N

# Information for phase 2  
data\_NH4-K-NAT\_20\_HEAT\_40\_phase\_2

\_pd\_block\_id  
2010-12-15T23:09|NH4-K-NAT\_20\_HEAT\_40\_phase2|H4-K-NAT\_20\_HEAT\_400||

# Histograms for phase 2  
loop\_ \_pd\_block\_diffraction\_id  
2010-12-15T23:09|NH4-K-NAT\_20\_HEAT\_40\_H\_01|H4-K-NAT\_20\_HEAT\_400|

#=====

# 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          Un
_cell_length_a          17.2918(14)
_cell_length_b          18.4221(14)
_cell_length_c          6.5277(4)
_cell_angle_alpha       90.0
_cell_angle_beta        90.0
_cell_angle_gamma       90.0
_cell_volume            2079.41(22)
_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
O
O1  0.0    0.0    0.0    1.0    Uiso  0.025    8
```

```
loop_ _atom_type_symbol
  _atom_type_number_in_cell
O 8.0
```

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

\_chemical\_formula\_sum O  
\_chemical\_formula\_weight 16.00  
\_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  
? ? ? ? ? ?

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  
? ? ? ? ? ? ?

# Information for phase 3  
data\_NH4-K-NAT\_20\_HEAT\_40\_phase\_3

\_pd\_block\_id  
2010-12-15T23:09|NH4-K-NAT\_20\_HEAT\_40\_phase3|H4-K-NAT\_20\_HEAT\_400|

# Histograms for phase 3

loop\_ \_pd\_block\_diffraction\_id  
2010-12-15T23:09|NH4-K-NAT\_20\_HEAT\_40\_H\_01|H4-K-NAT\_20\_HEAT\_400|

#=====

## # 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 dehy-K-NAT  
\_cell\_length\_a 17.1029(16)  
\_cell\_length\_b 18.2411(20)  
\_cell\_length\_c 6.4914(17)  
\_cell\_angle\_alpha 90.0  
\_cell\_angle\_beta 90.0  
\_cell\_angle\_gamma 90.0  
\_cell\_volume 2025.2(5)  
\_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
```

```
O
O1    0.0    0.0    0.0    1.0    Uiso  0.025    8
```

```
loop_ _atom_type_symbol
      _atom_type_number_in_cell
      O 8.0
```

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

```
_chemical_formula_sum      O
_chemical_formula_weight    16.00
_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
  ? ? ? ? ? ?
```

```
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
  ? ? ? ? ? ? ? ?
```

# Powder diffraction data for histogram 1  
data\_NH4-K-NAT\_20\_HEAT\_40\_p\_01

```
_pd_block_id
2010-12-15T23:09|NH4-K-NAT_20_HEAT_40_H_01|H4-K-NAT_20_HEAT_400|
```

#=====

# 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'

# phase table

loop\_    \_pd\_phase\_id  
      \_pd\_phase\_block\_id  
      \_pd\_phase\_mass\_%  
      \_pd\_proc\_ls\_pref\_orient\_corr  
      \_pd\_proc\_ls\_profile\_function  
      \_pd\_proc\_ls\_peak\_cutoff  
1 2010-12-15T23:09|NH4-K-NAT\_20\_HEAT\_40\_phase1|H4-K-NAT\_20\_HEAT\_400||  
  ?

; March-Dollase  
AXIS 1 Ratio= 0.95625 h= 0.000 k= 0.000 l= 1.000  
;

;  
CW Profile function number 2 with 18 terms  
Profile coefficients for Simpson's rule integration of pseudovoigt function  
C.J. Howard (1982). J. Appl. Cryst.,15,615-620.  
P. Thompson, D.E. Cox & J.B. Hastings (1987). J. Appl. Cryst.,20,79-83.  
#1(GU) = 0.000 #2(GV) = -26.444 #3(GW) = 1.438  
#4(LX) = 2.275 #5(LY) = 22.036 #6(trns) = 0.000  
#7(asym) = 0.0000 #8(shft) = 0.0000 #9(GP) = 0.000  
#10(stec)= 0.00 #11(ptec)= -2.21 #12(sfec)= 0.00  
#13(L11) = 0.000 #14(L22) = 0.000 #15(L33) = 0.000  
#16(L12) = 0.000 #17(L13) = 0.000 #18(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  
;

```

0.00200
2 2010-12-15T23:09|NH4-K-NAT_20_HEAT_40_phase2|H4-K-NAT_20_HEAT_400||
?
; March-Dollase
AXIS 1 Ratio= 1.00000 h= 0.000 k= 0.000 l= 1.000
;
;
CW Profile function number 2 with 18 terms
Profile coefficients for Simpson's rule integration of pseudovoigt function
C.J. Howard (1982). J. Appl. Cryst.,15,615-620.
P. Thompson, D.E. Cox & J.B. Hastings (1987). J. Appl. Cryst.,20,79-83.
#1(GU) = 1595.450 #2(GV) = -7.000 #3(GW) = 1.878
#4(LX) = 0.000 #5(LY) = 4.287 #6(trns) = 0.000
#7(asym) = 0.0000 #8(shft) = 0.0000 #9(GP) = 0.000
#10(stec)= 0.00 #11(ptec)= 0.00 #12(sfec)= 0.00
#13(L11) = 0.000 #14(L22) = 0.000 #15(L33) = 0.000
#16(L12) = 0.000 #17(L13) = 0.000 #18(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
;
0.00200
3 2010-12-15T23:09|NH4-K-NAT_20_HEAT_40_phase3|H4-K-NAT_20_HEAT_400||
?
; March-Dollase
AXIS 1 Ratio= 1.00000 h= 0.000 k= 0.000 l= 1.000
;
;
;
CW Profile function number 2 with 18 terms
Profile coefficients for Simpson's rule integration of pseudovoigt function
C.J. Howard (1982). J. Appl. Cryst.,15,615-620.
P. Thompson, D.E. Cox & J.B. Hastings (1987). J. Appl. Cryst.,20,79-83.
#1(GU) = 360.759 #2(GV) = -3.080 #3(GW) = 4.318
#4(LX) = 0.000 #5(LY) = 63.775 #6(trns) = 0.000
#7(asym) = 0.0000 #8(shft) = 0.0000 #9(GP) = 0.000
#10(stec)= 0.00 #11(ptec)= 0.00 #12(sfec)= 0.00
#13(L11) = 0.000 #14(L22) = 0.000 #15(L33) = 0.000
#16(L12) = 0.000 #17(L13) = 0.000 #18(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
;
0.00200

loop_ _atom_type_symbol
  _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
O  0.000  0.000
3.04850 13.2771 2.28680 5.70110 1.54630 0.32390 0.86700 32.9089 0.25080
International_Tables_Vol_C
Si  0.000  0.000
6.29150 2.43860 3.03530 32.3337 1.98910 0.67850 1.54100 81.6937 1.14070
International_Tables_Vol_C
Al  0.000  0.000
6.42020 3.03870 1.90020 0.74260 1.59360 31.5472 1.96460 85.0886 1.11510
International_Tables_Vol_C
K  0.000  0.000
8.21860 12.7949 7.43980 0.77480 1.05190 213.187 0.86590 41.6841 1.42280
International_Tables_Vol_C
N  0.000  0.000
12.2126 0.00570 3.13220 9.89330 2.01250 28.9975 1.16630 0.58260 -11.529
International_Tables_Vol_C
_diffraction_radiation_probe      x-ray
_diffraction_radiation_polarisation_ratio  0.95
_diffraction_radiation_wavelength  0.77486
_diffraction_radiation_type        ?
_pd_proc_ls_profile_R_factor        0.0352
_pd_proc_ls_profile_wR_factor        0.0489
_pd_proc_ls_profile_wR_expected      0.0217
_refine_ls_R_factor                  0.06813

_pd_proc_ls_background_function
; GSAS Background function number 1 with 12 terms.
Shifted Chebyshev function of 1st kind
  1:  1665.33   2: -912.651   3:  320.011   4: -34.4270
  5: -181.203   6:  218.100   7: -68.8501   8: -40.3635
  9:  45.7998  10: -41.7783  11:  48.3146  12: -17.3591
;

_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_extinction_correction_T_min  1.00000
_gsas_exptl_extinction_correction_T_max  1.00000
_pd_proc_info_datetime      2010-12-15T23:09:40
_pd_calc_method              "Rietveld Refinement"

#---- raw/calc data loop ----
_pd_meas_2theta_range_min      4.405
_pd_meas_2theta_range_max      61.25
_pd_meas_2theta_range_inc      0.005
_pd_proc_2theta_range_min      4.39243
_pd_proc_2theta_range_max      61.23743
_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

2592.0	0.0	4639.33252	.
2536.0	0.0	4626.30957	.
2610.0	0.0	4613.34473	.
2531.0	0.0	4600.44043	.
2540.0	0.0	4587.59570	.
2598.0	0.0	4574.81104	.
2541.0	0.0	4562.08350	.
2519.0	0.0	4549.41553	.
2450.0	0.0	4536.80566	.
2493.0	0.0	4524.25586	.
2531.0	0.0	4511.76270	.
2555.0	0.0	4499.32861	.
2621.0	0.0	4486.95166	.
2603.0	0.0	4474.63330	.
2413.0	0.0	4462.37207	.
2563.0	0.0	4450.16748	.
2524.0	0.0	4438.02051	.
2446.0	0.0	4425.93213	.
2590.0	0.0	4413.89941	.
2571.0	0.0	4401.92188	.
2636.0	0.0	4390.00195	.
2511.0	0.0	4378.13770	.
2470.0	0.0	4366.33057	.
2567.0	0.0	4354.57910	.
2583.0	0.0	4342.88232	.
2435.0	0.0	4331.24121	.
2622.0	0.0	4319.65576	.
2660.0	0.0	4308.12500	.
2575.0	0.0	4296.64990	.
2607.0	0.0	4285.22900	.
2503.0	0.0	4273.86328	.
2469.0	0.0	4262.55127	.
2582.0	0.0	4251.29443	.
2504.0	0.0	4240.09033	.
2537.0	0.0	4228.94189	.
2531.0	0.0	4217.84619	.
2569.0	0.0	4206.80371	.
2518.0	0.0	4195.81396	.
2574.0	0.0	4184.87939	.
2514.0	0.0	4173.99609	.
2571.0	0.0	4163.16602	.
2534.0	0.0	4152.38818	.
2561.0	0.0	4141.66406	.
2619.0	0.0	4130.99121	.
2554.0	0.0	4120.37012	.
2539.0	0.0	4109.80078	.
2468.0	0.0	4099.28369	.
2539.0	0.0	4088.81885	.

2585.0	0.0	4078.40479	.
2557.0	0.0	4068.04199	.
2622.0	0.0	4057.72998	.
2683.0	0.0	4047.46997	.
2624.0	0.0	4037.26001	.
2600.0	0.0	4027.10059	.
2555.0	0.0	4016.99097	.
2575.0	0.0	4006.93286	.
2615.0	0.0	3996.92261	.
2585.0	0.0	3986.96436	.
2518.0	0.0	3977.05444	.
2576.0	0.0	3967.19507	.
2498.0	0.0	3957.38428	.
2639.0	0.0	3947.62305	.
2659.0	0.0	3937.91064	.
2571.0	0.0	3928.24731	.
2540.0	0.0	3918.63354	.
2616.0	0.0	3909.06689	.
2609.0	0.0	3899.54907	.
2547.0	0.0	3890.07959	.
2586.0	0.0	3880.65820	.
2539.0	0.0	3871.28394	.
2542.0	0.0	3861.95776	.
2574.0	0.0	3852.67896	.
2530.0	0.0	3843.44873	.
2545.0	0.0	3834.26465	.
2625.0	0.0	3825.12744	.
2537.0	0.0	3816.03687	.
2535.0	0.0	3806.99463	.
2551.0	0.0	3797.99780	.
2552.0	0.0	3789.04712	.
2620.0	0.0	3780.14331	.
2615.0	0.0	3771.28662	.
2632.0	0.0	3762.47412	.
2557.0	0.0	3753.70801	.
2535.0	0.0	3744.98706	.
2504.0	0.0	3736.31226	.
2434.0	0.0	3727.68237	.
2553.0	0.0	3719.09741	.
2639.0	0.0	3710.55786	.
2567.0	0.0	3702.06348	.
2603.0	0.0	3693.61304	.
2535.0	0.0	3685.20679	.
2684.0	0.0	3676.84546	.
2501.0	0.0	3668.52905	.
2542.0	0.0	3660.25610	.
2426.0	0.0	3652.02661	.
2554.0	0.0	3643.84082	.
2623.0	0.0	3635.69922	.
2559.0	0.0	3627.60156	.
2632.0	0.0	3619.54639	.
2663.0	0.0	3611.53418	.
2557.0	0.0	3603.56519	.
2605.0	0.0	3595.63916	.

2678.0	0.0	3587.75586	.
2617.0	0.0	3579.91431	.
2525.0	0.0	3572.11572	.
2682.0	0.0	3564.35986	.
2633.0	0.0	3556.64526	.
2731.0	0.0	3548.97290	.
2588.0	0.0	3541.34229	.
2703.0	0.0	3533.75391	.
2666.0	0.0	3526.20605	.
2627.0	0.0	3518.69995	.
2618.0	0.0	3511.23535	.
2608.0	0.0	3503.81201	.
2568.0	0.0	3496.42871	.
2597.0	0.0	3489.08667	.
2577.0	0.0	3481.78467	.
2708.0	0.0	3474.52393	.
2581.0	0.0	3467.30322	.
2682.0	0.0	3460.12207	.
2649.0	0.0	3452.98120	.
2715.0	0.0	3445.88062	.
2673.0	0.0	3438.81982	.
2697.0	0.0	3431.79810	.
2640.0	0.0	3424.81616	.
2544.0	0.0	3417.87354	.
2680.0	0.0	3410.97095	.
2548.0	0.0	3404.10620	.
2526.0	0.0	3397.28027	.
2598.0	0.0	3390.49341	.
2577.0	0.0	3383.74561	.
2549.0	0.0	3377.03589	.
2597.0	0.0	3370.36401	.
2610.0	0.0	3363.73096	.
2545.0	0.0	3357.13599	.
2595.0	0.0	3350.57886	.
2660.0	0.0	3344.05908	.
2677.0	0.0	3337.57690	.
2603.0	0.0	3331.13281	.
2746.0	0.0	3324.72559	.
2540.0	0.0	3318.35571	.
2610.0	0.0	3312.02295	.
2687.0	0.0	3305.72803	.
2701.0	0.0	3299.46851	.
2600.0	0.0	3293.24634	.
2584.0	0.0	3287.06055	.
2704.0	0.0	3280.91064	.
2663.0	0.0	3274.79810	.
2557.0	0.0	3268.72095	.
2585.0	0.0	3262.68018	.
2591.0	0.0	3256.67505	.
2633.0	0.0	3250.70581	.
2586.0	0.0	3244.77222	.
2582.0	0.0	3238.87402	.
2695.0	0.0	3233.01074	.
2651.0	0.0	3227.18311	.

2630.0	0.0	3221.39014	.
2512.0	0.0	3215.63257	.
2647.0	0.0	3209.90967	.
2577.0	0.0	3204.22217	.
2575.0	0.0	3198.56836	.
2616.0	0.0	3192.94922	.
2601.0	0.0	3187.36401	.
2515.0	0.0	3181.81372	.
2600.0	0.0	3176.29712	.
2543.0	0.0	3170.81421	.
2572.0	0.0	3165.36499	.
2642.0	0.0	3159.94995	.
2516.0	0.0	3154.56812	.
2631.0	0.0	3149.21948	.
2560.0	0.0	3143.90430	.
2694.0	0.0	3138.62231	.
2594.0	0.0	3133.37378	.
2591.0	0.0	3128.15796	.
2613.0	0.0	3122.97437	.
2625.0	0.0	3117.82373	.
2606.0	0.0	3112.70605	.
2555.0	0.0	3107.62012	.
2570.0	0.0	3102.56665	.
2579.0	0.0	3097.54517	.
2578.0	0.0	3092.55615	.
2676.0	0.0	3087.59888	.
2727.0	0.0	3082.67334	.
2521.0	0.0	3077.77930	.
2560.0	0.0	3072.91724	.
2638.0	0.0	3068.08618	.
2532.0	0.0	3063.28638	.
2592.0	0.0	3058.51782	.
2655.0	0.0	3053.78125	.
2609.0	0.0	3049.07471	.
2597.0	0.0	3044.39868	.
2628.0	0.0	3039.75415	.
2525.0	0.0	3035.13965	.
2664.0	0.0	3030.55591	.
2511.0	0.0	3026.00220	.
2518.0	0.0	3021.47852	.
2494.0	0.0	3016.98535	.
2575.0	0.0	3012.52246	.
2674.0	0.0	3008.08911	.
2688.0	0.0	3003.68530	.
2600.0	0.0	2999.31128	.
2621.0	0.0	2994.96704	.
2662.0	0.0	2990.65210	.
2573.0	0.0	2986.36597	.
2668.0	0.0	2982.10938	.
2655.0	0.0	2977.88208	.
2630.0	0.0	2973.68359	.
2647.0	0.0	2969.51367	.
2574.0	0.0	2965.37256	.
2546.0	0.0	2961.26050	.



2563.0	0.0	2957.17627	.
2597.0	0.0	2953.12061	.
2568.0	0.0	2949.09326	.
2702.0	0.0	2945.09424	.
2606.0	0.0	2941.12305	.
2598.0	0.0	2937.17969	.
2622.0	0.0	2933.26440	.
2614.0	0.0	2929.37695	.
2657.0	0.0	2925.51660	.
2570.0	0.0	2921.68433	.
2568.0	0.0	2917.87891	.
2489.0	0.0	2914.10059	.
2652.0	0.0	2910.35010	.
2528.0	0.0	2906.62598	.
2584.0	0.0	2902.92944	.
2667.0	0.0	2899.25903	.
2677.0	0.0	2895.61597	.
2669.0	0.0	2891.99902	.
2562.0	0.0	2888.40869	.
2568.0	0.0	2884.84473	.
2499.0	0.0	2881.30737	.
2626.0	0.0	2877.79590	.
2665.0	0.0	2874.31055	.
2497.0	0.0	2870.85107	.
2612.0	0.0	2867.41797	.
2714.0	0.0	2864.00977	.
2563.0	0.0	2860.62769	.
2707.0	0.0	2857.27100	.
2518.0	0.0	2853.93994	.
2664.0	0.0	2850.63403	.
2672.0	0.0	2847.35327	.
2605.0	0.0	2844.09790	.
2639.0	0.0	2840.86768	.
2574.0	0.0	2837.66187	.
2650.0	0.0	2834.48096	.
2601.0	0.0	2831.32471	.
2723.0	0.0	2828.19336	.
2560.0	0.0	2825.08643	.
2588.0	0.0	2822.00366	.
2557.0	0.0	2818.94531	.
2644.0	0.0	2815.91138	.
2606.0	0.0	2812.90161	.
2686.0	0.0	2809.91553	.
2596.0	0.0	2806.95337	.
2608.0	0.0	2804.01489	.
2684.0	0.0	2801.10059	.
2624.0	0.0	2798.20923	.
2580.0	0.0	2795.34155	.
2566.0	0.0	2792.49756	.
2649.0	0.0	2789.67676	.
2714.0	0.0	2786.87891	.
2592.0	0.0	2784.10425	.
2561.0	0.0	2781.35254	.
2662.0	0.0	2778.62402	.

2607.0	0.0	2775.91797	.
2603.0	0.0	2773.23486	.
2675.0	0.0	2770.57422	.
2532.0	0.0	2767.93628	.
2624.0	0.0	2765.32056	.
2588.0	0.0	2762.72729	.
2621.0	0.0	2760.15601	.
2639.0	0.0	2757.60669	.
2703.0	0.0	2755.08008	.
2680.0	0.0	2752.57471	.
2598.0	0.0	2750.09155	.
2619.0	0.0	2747.63013	.
2588.0	0.0	2745.19043	.
2676.0	0.0	2742.77222	.
2559.0	0.0	2740.37500	.
2612.0	0.0	2737.99976	.
2680.0	0.0	2735.64575	.
2592.0	0.0	2733.31274	.
2665.0	0.0	2731.00073	.
2597.0	0.0	2728.70972	.
2661.0	0.0	2726.43994	.
2573.0	0.0	2724.19067	.
2570.0	0.0	2721.96216	.
2637.0	0.0	2719.75415	.
2663.0	0.0	2717.56689	.
2725.0	0.0	2715.39990	.
2688.0	0.0	2713.25342	.
2606.0	0.0	2711.12720	.
2621.0	0.0	2709.02124	.
2587.0	0.0	2706.93530	.
2653.0	0.0	2704.86914	.
2620.0	0.0	2702.82300	.
2580.0	0.0	2700.79663	.
2516.0	0.0	2698.79053	.
2570.0	0.0	2696.80347	.
2610.0	0.0	2694.83618	.
2685.0	0.0	2692.88818	.
2698.0	0.0	2690.95972	.
2680.0	0.0	2689.05054	.
2589.0	0.0	2687.16040	.
2706.0	0.0	2685.28931	.
2568.0	0.0	2683.43774	.
2548.0	0.0	2681.60474	.
2634.0	0.0	2679.79053	.
2583.0	0.0	2677.99512	.
2648.0	0.0	2676.21875	.
2642.0	0.0	2674.46045	.
2621.0	0.0	2672.72095	.
2634.0	0.0	2670.99976	.
2598.0	0.0	2669.29736	.
2545.0	0.0	2667.61279	.
2618.0	0.0	2665.94629	.
2664.0	0.0	2664.29810	.
2627.0	0.0	2662.66772	.

2649.0	0.0	2661.05542	.
2580.0	0.0	2659.46094	.
2711.0	0.000370	2657.88428	2657.88428
2635.0	0.000384	2656.32495	2656.32495
2683.0	0.000370	2654.78369	2654.78369
2593.0	0.000384	2653.25977	2653.25977
2677.0	0.000370	2651.75317	2651.75317
2639.0	0.000384	2650.26392	2650.26392
2678.0	0.000370	2648.79199	2648.79199
2559.0	0.000384	2647.33716	2647.33716
2654.0	0.000370	2645.89966	2645.89966
2566.0	0.000384	2644.47876	2644.47876
2633.0	0.000384	2643.07544	2643.07544
2601.0	0.000384	2641.68848	2641.68848
2646.0	0.000384	2640.31836	2640.31836
2604.0	0.000384	2638.96484	2638.96484
2668.0	0.000370	2637.62817	2637.62817
2572.0	0.000384	2636.30786	2636.30786
2708.0	0.000370	2635.00415	2635.00415
2635.0	0.000384	2633.71680	2633.71680
2614.0	0.000384	2632.44580	2632.44580
2610.0	0.000384	2631.19092	2631.19092
2603.0	0.000384	2629.95215	2629.95215
2641.0	0.000384	2628.72949	2628.72949
2646.0	0.000384	2627.52295	2627.52295
2603.0	0.000384	2626.33228	2626.33228
2556.0	0.000384	2625.15723	2625.15723
2625.0	0.000384	2623.99805	2623.99805
2527.0	0.000400	2622.85449	2622.85449
2589.0	0.000384	2621.72681	2621.72681
2631.0	0.000384	2620.61450	2620.61450
2662.0	0.000370	2619.51758	2619.51758
2832.0	0.000356	2618.43604	2618.43604
2683.0	0.000370	2617.36987	2617.36987
2598.0	0.000384	2616.31885	2616.31885
2624.0	0.000384	2615.28296	2615.28296
2623.0	0.000384	2614.26221	2614.26221
2621.0	0.000384	2613.25635	2613.25635
2686.0	0.000370	2612.26563	2612.26563
2578.0	0.000384	2611.28955	2611.28955
2705.0	0.000370	2610.32837	2610.32837
2652.0	0.000370	2609.38184	2609.38184
2663.0	0.000370	2608.44995	2608.44995
2537.0	0.000400	2607.53247	2607.53247
2635.0	0.000384	2606.62964	2606.62964
2695.0	0.000370	2605.74146	2605.74146
2750.0	0.000370	2604.86719	2604.86719
2711.0	0.000370	2604.00732	2604.00732
2813.0	0.000356	2603.16162	2603.16162
2683.0	0.000370	2602.33032	2602.33032
2660.0	0.000370	2601.51270	2601.51270
2566.0	0.000384	2600.70923	2600.70923
2686.0	0.000370	2599.91968	2599.91968
2694.0	0.000370	2599.14380	2599.14380

2666.0	0.000370	2598.38184	2598.38184
2688.0	0.000370	2597.63354	2597.63354
2597.0	0.000384	2596.89893	2596.89893
2556.0	0.000384	2596.17773	2596.17773
2694.0	0.000370	2595.46997	2595.46997
2634.0	0.000384	2594.77563	2594.77563
2748.0	0.000370	2594.09473	2594.09473
2575.0	0.000384	2593.42725	2593.42725
2651.0	0.000384	2592.77271	2592.77271
2812.0	0.000356	2592.13135	2592.13135
2639.0	0.000384	2591.50317	2591.50317
2665.0	0.000370	2590.88794	2590.88794
2749.0	0.000370	2590.28564	2590.28564
2628.0	0.000384	2589.69629	2589.69629
2644.0	0.000384	2589.11963	2589.11963
2597.0	0.000384	2588.55566	2588.55566
2674.0	0.000370	2588.00439	2588.00439
2583.0	0.000384	2587.46558	2587.46558
2726.0	0.000370	2586.93945	2586.93945
2680.0	0.000370	2586.42578	2586.42578
2696.0	0.000370	2585.92456	2585.92456
2660.0	0.000370	2585.43555	2585.43555
2636.0	0.000384	2584.95874	2584.95874
2596.0	0.000384	2584.49414	2584.49414
2706.0	0.000370	2584.04175	2584.04175
2721.0	0.000370	2583.60132	2583.60132
2678.0	0.000370	2583.17285	2583.17285
2645.0	0.000384	2582.75635	2582.75635
2638.0	0.000384	2582.35181	2582.35181
2649.0	0.000384	2581.95923	2581.95923
2666.0	0.000370	2581.57813	2581.57813
2681.0	0.000370	2581.20874	2581.20874
2698.0	0.000370	2580.85083	2580.85083
2724.0	0.000370	2580.50464	2586.09448
2646.0	0.000384	2580.16992	2585.83984
2680.0	0.000370	2579.84644	2585.59814
2743.0	0.000370	2579.53442	2585.36963
2683.0	0.000370	2579.23389	2585.15454
2666.0	0.000370	2578.94434	2584.95239
2683.0	0.000370	2578.66602	2584.76318
2668.0	0.000370	2578.39868	2584.58716
2669.0	0.000370	2578.14258	2584.42432
2673.0	0.000370	2577.89722	2609.04956
2717.0	0.000370	2577.66309	2609.38989
2688.0	0.000370	2577.43945	2609.75708
2604.0	0.000384	2577.22681	2610.15210
2740.0	0.000370	2577.02490	2610.57520
2659.0	0.000370	2576.83374	2611.02734
2734.0	0.000370	2576.65308	2611.50854
2660.0	0.000370	2576.48291	2612.01978
2643.0	0.000384	2576.32324	2612.56201
2717.0	0.000370	2576.17407	2613.13599
2694.0	0.000370	2576.03516	2613.74194
2676.0	0.000370	2575.90649	2614.38110

2656.0	0.000370	2575.78833	2615.05469
2732.0	0.000370	2575.68018	2615.76367
2685.0	0.000370	2575.58228	2616.50806
2742.0	0.000370	2575.49414	2617.28979
2677.0	0.000370	2575.41626	2618.10986
2697.0	0.000370	2575.34839	2618.96997
2734.0	0.000370	2575.29028	2619.86987
2686.0	0.000370	2575.24194	2620.81226
2724.0	0.000370	2575.20337	2621.79810
2695.0	0.000370	2575.17480	2622.82886
2686.0	0.000370	2575.15552	2623.90625
2688.0	0.000370	2575.14600	2625.03174
2670.0	0.000370	2575.14600	2626.20728
2686.0	0.000370	2575.15552	2627.43481
2673.0	0.000370	2575.17456	2628.71631
2665.0	0.000370	2575.20288	2630.05420
2737.0	0.000370	2575.24048	2631.45020
2743.0	0.000370	2575.28735	2632.90723
2807.0	0.000356	2575.34326	2634.42749
2793.0	0.000356	2575.40869	2636.01416
2722.0	0.000370	2575.48291	2637.67017
2714.0	0.000370	2575.56616	2639.39868
2742.0	0.000370	2575.65845	2641.20288
2747.0	0.000370	2575.75977	2643.08691
2774.0	0.000356	2575.86987	2645.05420
2705.0	0.000370	2575.98877	2647.10913
2713.0	0.000370	2576.11646	2649.25610
2730.0	0.000370	2576.25269	2651.50000
2710.0	0.000370	2576.39771	2653.84668
2733.0	0.000370	2576.55151	2656.30103
2758.0	0.000356	2576.71362	2658.86890
2713.0	0.000370	2576.88428	2661.55737
2736.0	0.000370	2577.06323	2664.37305
2742.0	0.000370	2577.25073	2667.32422
2698.0	0.000370	2577.44629	2670.41895
2679.0	0.000370	2577.65039	2673.66602
2736.0	0.000370	2577.86255	2677.07520
2826.0	0.000356	2578.08301	2680.65698
2749.0	0.000370	2578.31152	2684.42383
2744.0	0.000370	2578.54810	2688.38696
2700.0	0.000370	2578.79272	2692.56128
2776.0	0.000356	2579.04517	2696.96143
2840.0	0.000356	2579.30566	2701.60400
2751.0	0.000370	2579.57397	2706.50708
2835.0	0.000356	2579.85010	2711.69092
2728.0	0.000370	2580.13379	2717.17700
2813.0	0.000356	2580.42529	2722.99023
2824.0	0.000356	2580.72461	2729.15723
2858.0	0.000356	2581.03125	2735.70752
2781.0	0.000356	2581.34570	2742.67480
2903.0	0.0003429	2581.66748	2750.09546
2865.0	0.0003429	2581.99658	2758.01050
2816.0	0.000356	2582.33325	2766.46680
2864.0	0.0003429	2582.67725	2775.51563

2835.0	0.000356	2583.02856	2785.21509
2917.0	0.0003429	2583.38696	2795.63062
2931.0	0.0003429	2583.75269	2806.83691
2914.0	0.0003429	2584.12549	2818.91797
2852.0	0.000356	2584.50537	2831.96997
3049.0	0.0003306	2584.89258	2846.10303
2983.0	0.0003306	2585.28638	2861.44214
2930.0	0.0003429	2585.68726	2878.13306
3017.0	0.0003306	2586.09521	2896.34351
2966.0	0.0003429	2586.50977	2916.26782
3057.0	0.0003306	2586.93115	2938.13379
3063.0	0.0003306	2587.35938	2962.20776
3129.0	0.0003189	2587.79443	2988.80371
3144.0	0.0003189	2588.23584	3018.29297
3111.0	0.0003189	2588.68408	3051.11963
3181.0	0.0003189	2589.13892	3087.81567
3212.0	0.0003078	2589.60010	3129.02222
3239.0	0.0003078	2590.06787	3175.52002
3253.0	0.0003078	2590.54199	3228.26489
3396.0	0.0002973	2591.02246	3288.43774
3464.0	0.0002873	2591.50928	3357.50928
3522.0	0.0002873	2592.00244	3450.04321
3604.0	0.0002778	2592.50195	3543.83740
3777.0	0.0002687	2593.00732	3653.85742
3851.0	0.0002601	2593.51904	3784.07104
4027.0	0.0002520	2594.03687	3939.74634
4241.0	0.0002367	2594.56079	4128.03271
4606.0	0.0002163	2595.09058	4358.89502
4840.0	0.0002041	2595.62646	4646.64111
5401.0	0.0001877	2596.16797	5012.32422
6037.0	0.0001644	2596.71558	5487.31885
6882.0	0.0001452	2597.26904	6118.04395
8098.0	0.0001235	2597.82837	6971.27734
9738.0	0.0001020	2598.39331	8138.55518
11941.0	0.0000842	2598.96387	9736.23828
14312.0	0.0000694	2599.54004	11891.91699
17069.0	0.0000583	2600.12207	14689.50684
20342.0	0.0000489	2600.70947	18011.01563
22826.0	0.0000439	2601.30249	21242.05859
24715.0	0.0000406	2601.90088	23176.56836
24853.0	0.0000401	2602.50464	22869.80664
24090.0	0.0000416	2603.11401	20756.74219
21932.0	0.0000457	2603.72852	18115.09180
18848.0	0.0000533	2604.34839	15851.39844
16594.0	0.0000601	2604.97363	14252.63379
14490.0	0.0000694	2605.60400	13273.47461
13195.0	0.0000756	2606.23950	12759.30469
12406.0	0.0000812	2606.88013	12541.62207
11834.0	0.0000842	2607.52588	12468.89355
11569.0	0.0000857	2608.17676	12418.15234
11362.0	0.0000873	2608.83228	12299.86523
11321.0	0.0000890	2609.49316	12060.04785
11052.0	0.0000907	2610.15869	11679.52051
10873.0	0.0000925	2610.82935	11169.36914

10374.0	0.0000961	2611.50464	10563.02734
10076.0	0.0001000	2612.18506	9906.86816
9443.0	0.0001063	2612.86987	9251.14258
9048.0	0.0001108	2613.55957	8642.24219
8547.0	0.0001181	2614.25391	8116.78857
8245.0	0.0001208	2614.95288	7697.82422
7873.0	0.0001262	2615.65649	7393.12891
7540.0	0.0001321	2616.36450	7195.40234
7299.0	0.0001384	2617.07715	7083.95947
7198.0	0.0001384	2617.79419	7027.75439
6922.0	0.0001452	2618.51563	6989.97803
6965.0	0.0001452	2619.24170	6934.38672
6855.0	0.0001452	2619.97192	6832.51123
6756.0	0.0001487	2620.70654	6669.30029
6598.0	0.0001524	2621.44531	6444.48682
6362.0	0.0001562	2622.18848	6169.23877
6022.0	0.0001644	2622.93579	5860.44385
5649.0	0.0001778	2623.68726	5535.64795
5136.0	0.0001929	2624.44263	5210.11523
4732.0	0.0002100	2625.20239	4895.78760
4272.0	0.0002367	2625.96606	4601.29883
3947.0	0.0002520	2626.73389	4332.37061
3622.0	0.0002778	2627.50537	4092.26343
3532.0	0.0002873	2628.28101	3882.20264
3400.0	0.0002973	2629.06055	3701.77661
3199.0	0.0003078	2629.84375	3549.32837
3192.0	0.0003189	2630.63110	3422.33716
3117.0	0.0003189	2631.42188	3317.77393
3106.0	0.0003189	2632.21655	3232.41162
3035.0	0.0003306	2633.01489	3163.07471
3037.0	0.0003306	2633.81714	3106.81836
2904.0	0.0003429	2634.62280	3061.03906
2965.0	0.0003429	2635.43188	3023.52563
2907.0	0.0003429	2636.24487	2992.46704
2896.0	0.0003429	2637.06104	2966.41895
2885.0	0.0003429	2637.88086	2944.26245
2898.0	0.0003429	2638.70435	2925.14526
2785.0	0.000356	2639.53101	2908.42798
2843.0	0.000356	2640.36108	2893.63696
2866.0	0.0003429	2641.19434	2880.42041
2957.0	0.0003429	2642.03125	2868.51660
2794.0	0.000356	2642.87109	2857.72705
2926.0	0.0003429	2643.71436	2847.89966
2838.0	0.000356	2644.56079	2838.91479
2752.0	0.000370	2645.41040	2830.67578
2802.0	0.000356	2646.26294	2823.10254
2928.0	0.0003429	2647.11890	2816.12842
2867.0	0.0003429	2647.97778	2809.69482
2877.0	0.0003429	2648.83960	2803.75244
2842.0	0.000356	2649.70459	2798.25708
2880.0	0.0003429	2650.57227	2793.16919
2775.0	0.000356	2651.44312	2788.45557
2860.0	0.000356	2652.31665	2784.08447
2868.0	0.0003429	2653.19336	2780.02856

2787.0	0.000356	2654.07251	2776.26318
2842.0	0.000356	2654.95483	2772.76611
2725.0	0.000370	2655.83960	2769.51685
2761.0	0.000356	2656.72729	2766.49780
2798.0	0.000356	2657.61743	2763.69141
2810.0	0.000356	2658.51050	2761.08398
2776.0	0.000356	2659.40601	2758.66113
2673.0	0.000370	2660.30420	2756.41040
2751.0	0.000370	2661.20483	2754.32056
2828.0	0.000356	2662.10815	2752.38159
2796.0	0.000356	2663.01392	2784.20459
2750.0	0.000370	2663.92212	2783.89795
2743.0	0.000370	2664.83276	2783.79932
2734.0	0.000370	2665.74561	2783.90820
2777.0	0.000356	2666.66089	2784.22681
2787.0	0.000356	2667.57886	2784.75684
2852.0	0.000356	2668.49878	2785.50220
2804.0	0.000356	2669.42090	2786.46851
2809.0	0.000356	2670.34546	2787.66235
2925.0	0.0003429	2671.27222	2789.09326
2834.0	0.000356	2672.20117	2790.77222
2880.0	0.0003429	2673.13208	2792.71167
2838.0	0.000356	2674.06543	2794.92798
2719.0	0.000370	2675.00049	2797.43896
2876.0	0.0003429	2675.93774	2800.26685
2895.0	0.0003429	2676.87720	2803.43701
2892.0	0.0003429	2677.81836	2806.97900
2852.0	0.000356	2678.76172	2810.92676
2944.0	0.0003429	2679.70703	2815.32202
2861.0	0.000356	2680.65405	2820.21143
2916.0	0.0003429	2681.60303	2825.65063
2870.0	0.0003429	2682.55371	2831.70557
2788.0	0.000356	2683.50635	2838.45337
2899.0	0.0003429	2684.46094	2845.98560
2812.0	0.000356	2685.41699	2854.41089
2870.0	0.0003429	2686.37476	2863.86084
3018.0	0.0003306	2687.33423	2889.23584
2898.0	0.0003429	2688.29565	2902.24707
2959.0	0.0003429	2689.25854	2916.99805
2915.0	0.0003429	2690.22290	2933.82837
3029.0	0.0003306	2691.18896	2953.18408
3050.0	0.0003306	2692.15674	2975.66968
2984.0	0.0003306	2693.12573	3002.12354
3035.0	0.0003306	2694.09644	3033.73511
3029.0	0.0003306	2695.06836	3072.21313
3150.0	0.0003189	2696.04199	3120.02856
3194.0	0.0003078	2697.01685	3180.74683
3321.0	0.0002973	2697.99316	3259.46753
3241.0	0.0003078	2698.97095	3363.39038
3406.0	0.0002973	2699.94995	3502.51611
3374.0	0.0002973	2700.93018	3690.52319
3664.0	0.0002687	2701.91162	3945.96045
3905.0	0.0002601	2702.89453	4294.39111
4309.0	0.0002296	2703.87866	4773.80908



4817.0	0.0002100	2704.86377	5449.65771
5739.0	0.0001731	2705.85010	6449.35693
7464.0	0.0001352	2706.83765	8014.33057
10328.0	0.0000961	2707.82617	10521.29590
14861.0	0.0000672	2708.81592	14370.79980
20778.0	0.0000482	2709.80664	19626.01953
25937.0	0.0000386	2710.79834	25143.55469
27736.0	0.0000359	2711.79126	27657.37695
26168.0	0.0000381	2712.78491	25300.33398
22656.0	0.0000439	2713.77954	20962.20898
18991.0	0.0000525	2714.77539	17254.61914
16061.0	0.0000620	2715.77197	14762.45508
14041.0	0.0000718	2716.76929	13222.14160
12427.0	0.0000812	2717.76758	12202.40234
10943.0	0.0000907	2718.76660	11375.69629
9749.0	0.0001020	2719.76660	10574.26563
8843.0	0.0001132	2720.76709	9744.11328
7947.0	0.0001262	2721.76855	8888.33301
7376.0	0.0001352	2722.77075	8032.22168
6919.0	0.0001452	2723.77344	7206.32080
6554.0	0.0001524	2724.77686	6438.27002
6196.0	0.0001602	2725.78101	5748.79346
5849.0	0.0001731	2726.78589	5150.13477
5310.0	0.0001877	2727.79126	4646.26660
4942.0	0.0002041	2728.79712	4234.25537
4414.0	0.0002296	2729.80347	3906.17480
4014.0	0.0002520	2730.81055	3651.07813
3609.0	0.0002778	2731.81812	3456.74585
3331.0	0.0002973	2732.82617	3311.06543
3123.0	0.0003189	2733.83447	3202.99658
3102.0	0.0003189	2734.84326	3123.13135
3101.0	0.0003189	2735.85254	3063.88965
2936.0	0.0003429	2736.86230	3019.45581
2893.0	0.0003429	2737.87231	2985.55054
2930.0	0.0003429	2738.88257	2959.13184
2860.0	0.000356	2739.89331	2938.09302
2857.0	0.000356	2740.90405	2920.99707
2855.0	0.000356	2741.91553	2906.86621
2848.0	0.000356	2742.92676	2895.02612
2917.0	0.0003429	2743.93848	2885.00098
2949.0	0.0003429	2744.95044	2876.44116
2946.0	0.0003429	2745.96240	2869.08032
2811.0	0.000356	2746.97461	2862.71069
2920.0	0.0003429	2747.98682	2857.16504
2880.0	0.0003429	2748.99927	2852.30933
2738.0	0.000370	2750.01196	2832.26978
2853.0	0.000356	2751.02441	2828.68457
2914.0	0.0003429	2752.03711	2825.51611
2885.0	0.0003429	2753.04956	2822.70605
2893.0	0.0003429	2754.06226	2820.20752
2847.0	0.000356	2755.07495	2817.98218
2893.0	0.0003429	2756.08740	2815.99878
2757.0	0.000356	2757.10010	2814.23120
2693.0	0.000370	2758.11230	2812.65649

2875.0	0.0003429	2759.12476	2811.25684
2778.0	0.000356	2760.13696	2810.01587
2789.0	0.000356	2761.14893	2808.91895
2753.0	0.000370	2762.16064	2807.95435
2777.0	0.000356	2763.17236	2807.11035
2861.0	0.000356	2764.18384	2806.37744
2808.0	0.000356	2765.19507	2805.74731
2850.0	0.000356	2766.20605	2805.21094
2897.0	0.0003429	2767.21655	2804.76147
2881.0	0.0003429	2768.22681	2804.39282
2824.0	0.000356	2769.23706	2804.09912
2775.0	0.000356	2770.24658	2803.87402
2802.0	0.000356	2771.25610	2803.71387
2819.0	0.000356	2772.26489	2803.61304
2759.0	0.000356	2773.27344	2803.56860
2807.0	0.000356	2774.28174	2803.57593
2898.0	0.0003429	2775.28955	2803.63184
2733.0	0.000370	2776.29663	2803.73291
2659.0	0.000370	2777.30347	2803.87671
2696.0	0.000370	2778.30981	2804.06006
2778.0	0.000356	2779.31543	2804.28052
2855.0	0.000356	2780.32056	2804.53589
2812.0	0.000356	2781.32544	2804.82471
2677.0	0.000370	2782.32959	2805.14404
2773.0	0.000356	2783.33301	2805.49194
2702.0	0.000370	2784.33594	2805.86768
2705.0	0.000370	2785.33813	2806.26855
2825.0	0.000356	2786.33984	2806.69434
2893.0	0.0003429	2787.34058	2807.14258
2765.0	0.000356	2788.34082	2807.61230
2706.0	0.000370	2789.34058	2808.10303
2854.0	0.000356	2790.33936	2808.61230
2775.0	0.000356	2791.33740	2809.13989
2800.0	0.000356	2792.33472	2809.68481
2717.0	0.000370	2793.33130	2810.24609
2820.0	0.000356	2794.32715	2810.82300
2786.0	0.000356	2795.32202	2811.41431
2686.0	0.000370	2796.31616	2812.01929
2875.0	0.0003429	2797.30933	2812.63721
2801.0	0.000356	2798.30176	2813.26807
2860.0	0.000356	2799.29321	2813.91040
2794.0	0.000356	2800.28394	2814.56421
2875.0	0.0003429	2801.27368	2815.22827
2789.0	0.000356	2802.26245	2815.90283
2735.0	0.000370	2803.25000	2816.58643
2729.0	0.000370	2804.23682	2817.27954
2793.0	0.000356	2805.22266	2817.98096
2787.0	0.000356	2806.20752	2818.69092
2776.0	0.000356	2807.19141	2819.40845
2757.0	0.000356	2808.17407	2820.13354
2853.0	0.000356	2809.15601	2820.86597
2790.0	0.000356	2810.13647	2821.60425
2744.0	0.000370	2811.11621	2822.34937
2768.0	0.000356	2812.09448	2823.10059

2787.0	0.000356	2813.07178	2823.85718
2722.0	0.000370	2814.04785	2824.61914
2574.0	0.000384	2815.02295	2825.38672
2762.0	0.000356	2815.99683	2826.15894
2736.0	0.000370	2816.96948	2826.93579
2790.0	0.000356	2817.94116	2827.71729
2862.0	0.000356	2818.91138	2828.50293
2770.0	0.000356	2819.88013	2829.29224
2773.0	0.000356	2820.84790	2830.08545
2752.0	0.000370	2821.81445	2830.88232
2873.0	0.0003429	2822.77979	2831.68237
2819.0	0.000356	2823.74365	2832.48584
2768.0	0.000356	2824.70630	2833.29199
2881.0	0.0003429	2825.66748	2834.10107
2813.0	0.000356	2826.62744	2834.91284
2756.0	0.000370	2827.58594	2835.72705
2894.0	0.0003429	2828.54321	2836.54395
2823.0	0.000356	2829.49902	2837.36279
2850.0	0.000356	2830.45337	2838.18359
2766.0	0.000356	2831.40649	2839.00659
2871.0	0.0003429	2832.35791	2839.83154
2718.0	0.000370	2833.30811	2840.65796
2782.0	0.000356	2834.25684	2841.48584
2658.0	0.000370	2835.20410	2842.31567
2868.0	0.0003429	2836.14966	2843.14624
2769.0	0.000356	2837.09375	2843.97827
2869.0	0.0003429	2838.03638	2844.81177
2893.0	0.0003429	2838.97778	2845.64648
2832.0	0.000356	2839.91724	2846.48145
2810.0	0.000356	2840.85522	2847.31763
2889.0	0.0003429	2841.79175	2848.15454
2857.0	0.000356	2842.72681	2848.99243
2864.0	0.0003429	2843.65991	2849.83057
2888.0	0.0003429	2844.59155	2850.66943
2759.0	0.000356	2845.52148	2851.50879
2782.0	0.000356	2846.44995	2852.34814
2793.0	0.000356	2847.37671	2853.18799
2831.0	0.000356	2848.30176	2854.02832
2907.0	0.0003429	2849.22510	2854.86865
2842.0	0.000356	2850.14673	2855.70923
2887.0	0.0003429	2851.06665	2856.54932
2935.0	0.0003429	2851.98486	2857.38965
2776.0	0.000356	2852.90137	2858.23022
2795.0	0.000356	2853.81616	2859.07031
2877.0	0.0003429	2854.72900	2859.91016
2798.0	0.000356	2855.64038	2860.75000
2897.0	0.0003429	2856.54980	2861.58960
2873.0	0.0003429	2857.45752	2862.42871
2916.0	0.0003429	2858.36328	2863.26709
2838.0	0.000356	2859.26709	2864.10498
2813.0	0.000356	2860.16919	2864.94263
2839.0	0.000356	2861.06958	2865.78003
2840.0	0.000356	2861.96826	2866.61646
2975.0	0.0003306	2862.86475	2867.45190

2895.0	0.0003429	2863.75952	2868.28711
2777.0	0.000356	2864.65234	2869.12183
2787.0	0.000356	2865.54297	2869.95508
2853.0	0.000356	2866.43188	2866.43188
2883.0	0.0003429	2867.31885	2867.31885
2884.0	0.0003429	2868.20410	2868.20410
2720.0	0.000370	2869.08716	2869.08716
2802.0	0.000356	2869.96826	2869.96826
2878.0	0.0003429	2870.84741	2870.84741
2796.0	0.000356	2871.72461	2871.72461
2752.0	0.000370	2872.59985	2872.59985
2918.0	0.0003429	2873.47290	2873.47290
2817.0	0.000356	2874.34399	2874.34399
2904.0	0.0003429	2875.21313	2875.21313
2872.0	0.0003429	2876.08008	2876.08008
2850.0	0.000356	2876.94507	2876.94507
2852.0	0.000356	2877.80811	2877.80811
2873.0	0.0003429	2878.66895	2878.66895
2892.0	0.0003429	2879.52759	2879.52759
2799.0	0.000356	2880.38428	2880.38428
2908.0	0.0003429	2881.23877	2881.23877
2885.0	0.0003429	2882.09106	2882.09106
2878.0	0.0003429	2882.94141	2882.94141
2976.0	0.0003306	2883.78955	2883.78955
2887.0	0.0003429	2884.63550	2884.63550
2879.0	0.0003429	2885.47925	2885.47925
2803.0	0.000356	2886.32080	2886.32080
2887.0	0.0003429	2887.16040	2887.16040
2874.0	0.0003429	2887.99731	2887.99731
2816.0	0.000356	2888.83252	2888.83252
2780.0	0.000356	2889.66528	2889.66528
2857.0	0.000356	2890.49585	2890.49585
2796.0	0.000356	2891.32422	2891.32422
2938.0	0.0003429	2892.15039	2892.15039
2823.0	0.000356	2892.97412	2892.97412
2861.0	0.000356	2893.79565	2893.79565
2971.0	0.0003306	2894.61475	2894.61475
2856.0	0.000356	2895.43188	2895.43188
2914.0	0.0003429	2896.24658	2896.24658
2929.0	0.0003429	2897.05908	2897.05908
2908.0	0.0003429	2897.86914	2897.86914
2904.0	0.0003429	2898.67676	2898.67676
2869.0	0.0003429	2899.48218	2899.48218
2951.0	0.0003429	2900.28540	2900.28540
2895.0	0.0003429	2901.08618	2901.08618
2894.0	0.0003429	2901.88428	2901.88428
2934.0	0.0003429	2902.68042	2902.68042
2878.0	0.0003429	2903.47412	2903.47412
2872.0	0.0003429	2904.26514	2904.26514
2887.0	0.0003429	2905.05420	2905.05420
2900.0	0.0003429	2905.84058	2905.84058
2838.0	0.000356	2906.62451	2906.62451
2868.0	0.0003429	2907.40601	2907.40601
2887.0	0.0003429	2908.18530	2908.18530

2917.0	0.0003429	2908.96191	2908.96191
2913.0	0.0003429	2909.73633	2909.73633
2889.0	0.0003429	2910.50806	2910.50806
2958.0	0.0003429	2911.27734	2911.27734
2884.0	0.0003429	2912.04419	2912.04419
2902.0	0.0003429	2912.80859	2912.80859
2907.0	0.0003429	2913.57056	2913.57056
2949.0	0.0003429	2914.32983	2914.32983
3018.0	0.0003306	2915.08667	2915.08667
3026.0	0.0003306	2915.84131	2915.84131
2986.0	0.0003306	2916.59302	2916.59302
2907.0	0.0003429	2917.34253	2917.34253
3003.0	0.0003306	2918.08936	2918.08936
2996.0	0.0003306	2918.83350	2918.83350
2943.0	0.0003429	2919.57520	2919.57520
3031.0	0.0003306	2920.31445	2920.31445
3003.0	0.0003306	2921.05078	2921.05078
3042.0	0.0003306	2921.78491	2921.78491
2995.0	0.0003306	2922.51636	2922.51636
3042.0	0.0003306	2923.24512	2923.24512
3038.0	0.0003306	2923.97119	2923.97119
3035.0	0.0003306	2924.69482	2924.69482
3053.0	0.0003306	2925.41602	2925.41602
2981.0	0.0003306	2926.13428	2926.13428
2970.0	0.0003429	2926.85010	2926.85010
2998.0	0.0003306	2927.56299	2927.56299
3006.0	0.0003306	2928.27368	2928.27368
3036.0	0.0003306	2928.98145	2928.98145
3009.0	0.0003306	2929.68677	2929.68677
2968.0	0.0003429	2930.38916	2930.38916
2896.0	0.0003429	2931.08911	2931.08911
3029.0	0.0003306	2931.78613	2931.78613
3029.0	0.0003306	2932.48071	2932.48071
2864.0	0.0003429	2933.17236	2934.44556
3018.0	0.0003306	2933.86157	2935.14893
2961.0	0.0003429	2934.54785	2935.84961
2926.0	0.0003429	2935.23169	2936.54834
2986.0	0.0003306	2935.91260	2937.24414
2984.0	0.0003306	2936.59106	2937.93799
2973.0	0.0003306	2937.26660	2938.62891
2905.0	0.0003429	2937.93945	2939.31763
3041.0	0.0003306	2938.60938	2940.00342
2970.0	0.0003429	2939.27661	2940.68701
2964.0	0.0003429	2939.94116	2941.36816
2916.0	0.0003429	2940.60303	2942.04688
2956.0	0.0003429	2941.26196	2942.72314
2942.0	0.0003429	2941.91846	2943.39722
2975.0	0.0003306	2942.57178	2944.06836
2954.0	0.0003429	2943.22266	2944.73730
2959.0	0.0003429	2943.87036	2945.40356
2928.0	0.0003429	2944.51563	2946.06763
2946.0	0.0003429	2945.15796	2946.72900
2953.0	0.0003429	2945.79736	2947.38794
2943.0	0.0003429	2946.43408	2948.04468

2935.0	0.0003429	2947.06812	2948.69897
3012.0	0.0003306	2947.69922	2949.35059
2999.0	0.0003306	2948.32739	2950.00000
2933.0	0.0003429	2948.95288	2950.64697
3016.0	0.0003306	2949.57544	2951.29126
3026.0	0.0003306	2950.19531	2951.93359
3020.0	0.0003306	2950.81226	2952.57324
2942.0	0.0003429	2951.42627	2953.21045
2920.0	0.0003429	2952.03735	2953.84497
3006.0	0.0003306	2952.64575	2954.47754
2958.0	0.0003429	2953.25122	2955.10767
2968.0	0.0003429	2953.85376	2955.73535
2951.0	0.0003429	2954.45337	2956.36060
2926.0	0.0003429	2955.05029	2956.98364
2987.0	0.0003306	2955.64429	2957.60425
2951.0	0.0003429	2956.23535	2958.22266
2992.0	0.0003306	2956.82349	2958.83838
2998.0	0.0003306	2957.40869	2959.45215
3007.0	0.0003306	2957.99121	2960.06348
3023.0	0.0003306	2958.57056	2960.67261
3015.0	0.0003306	2959.14697	2961.27930
2903.0	0.0003429	2959.72070	2961.88379
3048.0	0.0003306	2960.29126	2962.48608
2968.0	0.0003429	2960.85913	2963.08618
2984.0	0.0003306	2961.42407	2967.09448
2964.0	0.0003429	2961.98584	2967.75610
2920.0	0.0003429	2962.54492	2968.41772
2997.0	0.0003306	2963.10083	2969.07935
3000.0	0.0003306	2963.65381	2969.74072
2980.0	0.0003306	2964.20386	2970.40210
3012.0	0.0003306	2964.75098	2971.06372
3005.0	0.0003306	2965.29517	2971.72583
2962.0	0.0003429	2965.83643	2972.38818
2973.0	0.0003306	2966.37476	2973.05127
2983.0	0.0003306	2966.90991	2973.71484
2982.0	0.0003306	2967.44238	2974.37939
2983.0	0.0003306	2967.97168	2975.04468
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3010.0	0.0003306	2969.02124	2976.37915
2970.0	0.0003429	2969.54175	2977.04858
3069.0	0.0003306	2970.05908	2977.71948
3055.0	0.0003306	2970.57349	2978.39233
3029.0	0.0003306	2971.08472	2979.06689
2980.0	0.0003306	2971.59302	2979.74414
3031.0	0.0003306	2972.09839	2980.42383
3016.0	0.0003306	2972.60059	2981.10620
2964.0	0.0003429	2973.10010	2981.79175
3086.0	0.0003189	2973.59644	2982.48071
3039.0	0.0003306	2974.08960	2983.17285
3056.0	0.0003306	2974.57983	2983.86914
2979.0	0.0003306	2975.06714	2984.56958
3004.0	0.0003306	2975.55127	2985.27466
2981.0	0.0003306	2976.03247	2985.98438
3029.0	0.0003306	2976.51050	2986.69946

3049.0	0.0003306	2976.98560	2987.42065
3026.0	0.0003306	2977.45776	2988.14795
2980.0	0.0003306	2977.92651	2988.88135
2960.0	0.0003429	2978.39258	2989.62256
2952.0	0.0003429	2978.85547	2990.37109
3060.0	0.0003306	2979.31543	2991.12817
2959.0	0.0003429	2979.77197	2991.89380
2938.0	0.0003429	2980.22583	2992.66943
3022.0	0.0003306	2980.67627	2993.45483
3055.0	0.0003306	2981.12402	2994.25171
2991.0	0.0003306	2981.56836	2995.06006
3053.0	0.0003306	2982.01001	2995.88135
3166.0	0.0003189	2982.44824	2996.71631
3067.0	0.0003306	2982.88354	2997.56567
3046.0	0.0003306	2983.31592	2998.43115
3070.0	0.0003306	2983.74487	2999.31323
3086.0	0.0003189	2984.17090	3000.21387
2990.0	0.0003306	2984.59399	3001.13428
3084.0	0.0003189	2985.01367	3002.07544
2909.0	0.0003429	2985.43066	3003.04004
3057.0	0.0003306	2985.84424	3004.02856
3072.0	0.0003306	2986.25488	3005.04395
3081.0	0.0003189	2986.66235	3006.08789
3029.0	0.0003306	2987.06689	3007.16309
2978.0	0.0003306	2987.46802	3008.27148
3096.0	0.0003189	2987.86621	3009.41602
3007.0	0.0003306	2988.26123	3010.60010
3100.0	0.0003189	2988.65332	3011.82715
3064.0	0.0003306	2989.04224	3013.10059
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3096.0	0.0003189	2989.81079	3015.80347
3138.0	0.0003189	2990.19019	3017.24243
3075.0	0.0003306	2990.56689	3018.74780
3226.0	0.0003078	2990.93994	3020.32446
3088.0	0.0003189	2991.31030	3021.98047
3147.0	0.0003189	2991.67725	3023.72339
3111.0	0.0003189	2992.04126	3026.90430
3147.0	0.0003189	2992.40210	3028.90356
3107.0	0.0003189	2992.75977	3031.02344
3066.0	0.0003306	2993.11450	3033.27710
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3185.0	0.0003189	2993.81421	3038.24585
3071.0	0.0003306	2994.15942	3040.99829
3130.0	0.0003189	2994.50146	3043.95752
3150.0	0.0003189	2994.84033	3047.15039
3097.0	0.0003189	2995.17627	3050.60669
3134.0	0.0003189	2995.50903	3055.00513
3136.0	0.0003189	2995.83838	3059.10669
3071.0	0.0003306	2996.16479	3063.59717
3079.0	0.0003306	2996.48804	3068.53394
3108.0	0.0003189	2996.80811	3073.98682
3156.0	0.0003189	2997.12524	3080.03931
3173.0	0.0003189	2997.43896	3086.79321
3191.0	0.0003189	2997.74976	3094.37524

3169.0	0.0003189	2998.05737	3104.33789
3228.0	0.0003078	2998.36182	3114.10889
3211.0	0.0003078	2998.66309	3125.32935
3283.0	0.0003078	2998.96118	3138.34570
3268.0	0.0003078	2999.25610	3153.62964
3191.0	0.0003189	2999.54785	3171.83984
3197.0	0.0003078	2999.83667	3193.90649
3302.0	0.0003078	3000.12207	3221.15576
3243.0	0.0003078	3000.40454	3255.46411
3420.0	0.0002973	3000.68384	3299.42554
3409.0	0.0002973	3000.95972	3356.50659
3486.0	0.0002873	3001.23267	3431.11865
3493.0	0.0002873	3001.50244	3528.54419
3846.0	0.0002601	3001.76904	3654.63721
4005.0	0.0002520	3002.03271	3815.19043
4221.0	0.0002367	3002.29297	4014.73120
4404.0	0.0002296	3002.55005	4254.20557
4733.0	0.0002100	3002.80420	4526.56836
5071.0	0.0001984	3003.05493	4809.90869
5481.0	0.0001826	3003.30273	5062.18311
5768.0	0.0001731	3003.54736	5229.91162
6042.0	0.0001644	3003.78857	5278.56836
6060.0	0.0001644	3004.02686	5219.73291
6066.0	0.0001644	3004.26196	5100.03564
5719.0	0.0001731	3004.49390	4966.94824
5430.0	0.0001826	3004.72266	4849.12256
5058.0	0.0001984	3004.94849	4756.92041
4887.0	0.0002041	3005.17090	4689.63037
4806.0	0.0002100	3005.39014	4641.34229
4450.0	0.0002228	3005.60620	4604.36963
4508.0	0.0002228	3005.81934	4571.17920
4322.0	0.0002296	3006.02905	4537.99561
4335.0	0.0002296	3006.23584	4495.61279
4204.0	0.0002367	3006.43945	4444.30811
4188.0	0.0002367	3006.63989	4383.98242
4092.0	0.0002441	3006.83716	4316.21631
4110.0	0.0002441	3007.03101	4243.77100
3967.0	0.0002520	3007.22192	4170.08936
3906.0	0.0002520	3007.40991	4098.81836
3912.0	0.0002520	3007.59448	4033.41919
3873.0	0.0002601	3007.77588	3976.84839
3810.0	0.0002601	3007.95410	3931.32568
3769.0	0.0002687	3008.12939	3898.17969
3744.0	0.0002687	3008.30151	3877.76123
3726.0	0.0002687	3008.47021	3869.41089
3595.0	0.0002778	3008.63599	3871.46362
3645.0	0.0002778	3008.79858	3881.29712
3689.0	0.0002687	3008.95801	3895.44238
3558.0	0.0002778	3009.11426	3909.81226
3582.0	0.0002778	3009.26733	3920.10083
3570.0	0.0002778	3009.41724	3922.36084
3624.0	0.0002778	3009.56421	3913.66064
3636.0	0.0002778	3009.70776	3892.59106
3558.0	0.0002778	3009.84839	3859.42310



3572.0	0.0002778	3009.98584	3817.88647
3460.0	0.0002873	3010.12012	3766.43018
3457.0	0.0002873	3010.25122	3709.88159
3510.0	0.0002873	3010.37915	3650.86011
3406.0	0.0002973	3010.50391	3591.57275
3445.0	0.0002873	3010.62549	3533.74512
3382.0	0.0002973	3010.74414	3478.65186
3396.0	0.0002973	3010.85962	3427.17529
3369.0	0.0002973	3010.97192	3379.88184
3346.0	0.0002973	3011.08105	3337.07715
3256.0	0.0003078	3011.18701	3298.85815
3297.0	0.0003078	3011.28979	3265.15601
3304.0	0.0003078	3011.38965	3235.77197
3287.0	0.0003078	3011.48608	3210.41382
3271.0	0.0003078	3011.57959	3188.72510
3188.0	0.0003189	3011.66992	3170.31421
3251.0	0.0003078	3011.75708	3163.22363
3218.0	0.0003078	3011.84131	3150.39697
3180.0	0.0003189	3011.92212	3139.68848
3239.0	0.0003078	3012.00000	3130.76099
3293.0	0.0003078	3012.07471	3123.31348
3163.0	0.0003189	3012.14624	3117.08984
3122.0	0.0003189	3012.21484	3111.87109
3276.0	0.0003078	3012.28027	3107.47681
3278.0	0.0003078	3012.34229	3103.76099
3231.0	0.0003078	3012.40161	3100.60571
3228.0	0.0003078	3012.45752	3097.91919
3155.0	0.0003189	3012.51050	3095.62842
3172.0	0.0003189	3012.56006	3093.67603
3292.0	0.0003078	3012.60693	3092.01880
3244.0	0.0003078	3012.65039	3090.62354
3238.0	0.0003078	3012.69092	3089.46313
3287.0	0.0003078	3012.72827	3088.51831
3252.0	0.0003078	3012.76245	3087.77197
3123.0	0.0003189	3012.79370	3087.21338
3306.0	0.0002973	3012.82153	3086.83203
3328.0	0.0002973	3012.84644	3086.62305
3250.0	0.0003078	3012.86841	3086.58057
3252.0	0.0003078	3012.88721	3086.70044
3266.0	0.0003078	3012.90283	3086.98267
3236.0	0.0003078	3012.91528	3087.42651
3054.0	0.0003306	3012.92480	3096.62109
3266.0	0.0003078	3012.93115	3097.55835
3283.0	0.0003078	3012.93457	3098.67065
3199.0	0.0003078	3012.93481	3099.96289
3235.0	0.0003078	3012.93188	3101.44385
3276.0	0.0003078	3012.92603	3103.12256
3279.0	0.0003078	3012.91699	3105.01025
3203.0	0.0003078	3012.90479	3107.11987
3286.0	0.0003078	3012.88965	3109.46753
3385.0	0.0002973	3012.87134	3112.07202
3329.0	0.0002973	3012.85010	3117.75684
3320.0	0.0002973	3012.82568	3121.05566
3289.0	0.0003078	3012.79810	3124.69287

3360.0	0.0002973	3012.76758	3128.70435
3289.0	0.0003078	3012.73413	3133.13672
3245.0	0.0003078	3012.69751	3138.02295
3294.0	0.0003078	3012.65771	3143.42676
3309.0	0.0002973	3012.61499	3149.41211
3362.0	0.0002973	3012.56909	3156.05591
3419.0	0.0002973	3012.52026	3163.45142
3398.0	0.0002973	3012.46826	3171.70801
3389.0	0.0002973	3012.41333	3180.95923
3419.0	0.0002973	3012.35522	3191.36841
3353.0	0.0002973	3012.29419	3203.14014
3474.0	0.0002873	3012.23022	3216.53345
3499.0	0.0002873	3012.16309	3231.88672
3381.0	0.0002973	3012.09302	3249.65186
3355.0	0.0002973	3012.01978	3270.44800
3658.0	0.0002778	3011.94360	3295.13232
3675.0	0.0002687	3011.86426	3324.89087
3735.0	0.0002687	3011.78198	3361.34619
3797.0	0.0002601	3011.69653	3406.65601
3853.0	0.0002601	3011.60840	3463.58521
3842.0	0.0002601	3011.51685	3535.50781
3954.0	0.0002520	3011.42261	3626.31909
4175.0	0.0002367	3011.32520	3740.20581
4205.0	0.0002367	3011.22485	3881.23340
4123.0	0.0002441	3011.12158	4055.58105
4376.0	0.0002296	3011.01514	4258.09375
4633.0	0.0002163	3010.90576	4493.19971
4750.0	0.0002100	3010.79321	4738.17529
4830.0	0.0002100	3010.67798	4979.85254
5194.0	0.0001929	3010.55957	5204.24170
5413.0	0.0001826	3010.43823	5421.36035
5805.0	0.0001731	3010.31372	5672.44434
6387.0	0.0001562	3010.18628	6012.47314
7030.0	0.0001417	3010.05615	6483.18652
7753.0	0.0001291	3009.92261	7091.84082
8941.0	0.0001108	3009.78638	7789.98047
9820.0	0.0001020	3009.64722	8445.85254
10254.0	0.0000980	3009.50488	8851.96484
10042.0	0.0001000	3009.35962	8851.11523
9513.0	0.0001041	3009.21143	8489.33691
8467.0	0.0001181	3009.06030	7957.78174
7815.0	0.0001291	3008.90625	7423.64258
7075.0	0.0001417	3008.74927	6970.00098
6654.0	0.0001487	3008.58911	6619.16260
6273.0	0.0001602	3008.42627	6361.78271
6076.0	0.0001644	3008.26025	6174.48193
5758.0	0.0001731	3008.09131	6030.49609
5615.0	0.0001778	3007.91968	5906.32373
5545.0	0.0001826	3007.74487	5785.05371
5312.0	0.0001877	3007.56714	5656.97559
5096.0	0.0001984	3007.38647	5518.48389
5142.0	0.0001929	3007.20313	5370.34814
4870.0	0.0002041	3007.01660	5216.03857
4883.0	0.0002041	3006.82715	5060.40674

4718.0	0.0002100	3006.63477	4908.72217
4629.0	0.0002163	3006.43970	4766.00635
4622.0	0.0002163	3006.24146	4636.57471
4625.0	0.0002163	3006.04028	4527.38770
4437.0	0.0002228	3005.83643	4433.35547
4387.0	0.0002296	3005.62939	4358.83789
4406.0	0.0002296	3005.41968	4303.46094
4338.0	0.0002296	3005.20703	4265.81299
4450.0	0.0002228	3004.99146	4243.75000
4381.0	0.0002296	3004.77295	4234.74121
4308.0	0.0002296	3004.55151	4236.23828
4214.0	0.0002367	3004.32739	4245.91260
4137.0	0.0002441	3004.10034	4264.37500
4081.0	0.0002441	3003.87012	4284.44629
4040.0	0.0002441	3003.63721	4306.82520
4048.0	0.0002441	3003.40161	4329.35791
3952.0	0.0002520	3003.16284	4349.62012
4005.0	0.0002520	3002.92139	4365.10059
4043.0	0.0002441	3002.67700	4373.59277
4021.0	0.0002520	3002.42993	4373.68604
4072.0	0.0002441	3002.17993	4365.22412
4135.0	0.0002441	3001.92700	4349.51611
4113.0	0.0002441	3001.67114	4329.22852
4175.0	0.0002367	3001.41260	4308.07324
4217.0	0.0002367	3001.15112	4290.47900
4283.0	0.0002367	3000.88672	4281.49805
4434.0	0.0002228	3000.61963	4287.10889
4521.0	0.0002228	3000.34961	4315.08057
4747.0	0.0002100	3000.07690	4376.47021
5155.0	0.0001929	2999.80127	4487.65088
5450.0	0.0001826	2999.52295	4672.41162
5948.0	0.0001687	2999.24170	4963.06885
6550.0	0.0001524	2998.95752	5399.06641
7084.0	0.0001417	2998.67065	6021.57959
7871.0	0.0001262	2998.38110	6863.21143
8756.0	0.0001132	2998.08862	7931.67139
9556.0	0.0001041	2997.79321	9183.01172
10193.0	0.0000980	2997.49512	10476.85059
10773.0	0.0000925	2997.19434	11533.01855
11149.0	0.0000890	2996.89087	11998.66211
11063.0	0.0000907	2996.58423	11708.26367
10633.0	0.0000943	2996.27515	10852.85938
9949.0	0.0001000	2995.96313	9786.38379
9204.0	0.0001085	2995.64844	8776.21484
8632.0	0.0001156	2995.33081	7950.50781
8066.0	0.0001235	2995.01050	7344.20654
7394.0	0.0001352	2994.68750	6942.32861
7073.0	0.0001417	2994.36157	6705.75488
6792.0	0.0001487	2994.03320	6587.28320
6629.0	0.0001524	2993.70190	6541.93018
6472.0	0.0001562	2993.36768	6538.36230
6361.0	0.0001562	2993.03101	6537.23389
6444.0	0.0001562	2992.69141	6525.53369
6303.0	0.0001602	2992.34912	6491.78809

6245.0	0.0001602	2992.00415	6430.26123
6165.0	0.0001602	2991.65649	6339.60107
6113.0	0.0001644	2991.30591	6221.77051
6015.0	0.0001644	2990.95288	6081.12646
5960.0	0.0001687	2990.59692	5923.62109
5729.0	0.0001731	2990.23853	5756.07861
5542.0	0.0001826	2989.87720	5585.55664
5567.0	0.0001778	2989.51294	5418.79492
5329.0	0.0001877	2989.14648	5261.73730
5170.0	0.0001929	2988.77686	5119.15430
4962.0	0.0002041	2988.40479	4994.35742
4985.0	0.0001984	2988.03003	4889.00781
4864.0	0.0002041	2987.65259	4803.02197
4820.0	0.0002100	2987.27246	4734.59863
4696.0	0.0002100	2986.88965	4680.36963
4693.0	0.0002100	2986.50415	4635.74219
4610.0	0.0002163	2986.11621	4595.46289
4587.0	0.0002163	2985.72534	4552.22656
4543.0	0.0002228	2985.33179	4506.08984
4496.0	0.0002228	2984.93579	4452.19824
4498.0	0.0002228	2984.53687	4389.70117
4385.0	0.0002296	2984.13550	4319.39648
4283.0	0.0002367	2983.73145	4243.21729
4122.0	0.0002441	2983.32495	4163.63037
4101.0	0.0002441	2982.91553	4085.78687
4006.0	0.0002520	2982.50366	4006.67822
3932.0	0.0002520	2982.08911	3930.66187
3789.0	0.0002601	2981.67188	3859.11304
3773.0	0.0002687	2981.25195	3793.03711
3666.0	0.0002687	2980.82959	3733.13159
3636.0	0.0002778	2980.40454	3679.84229
3617.0	0.0002778	2979.97705	3633.41919
3536.0	0.0002873	2979.54663	3593.95508
3526.0	0.0002873	2979.11377	3561.42871
3489.0	0.0002873	2978.67847	3535.73682
3609.0	0.0002778	2978.24048	3516.73560
3532.0	0.0002873	2977.79980	3504.27563
3498.0	0.0002873	2977.35669	3498.24707
3550.0	0.0002778	2976.91089	3498.62305
3533.0	0.0002873	2976.46265	3505.51245
3496.0	0.0002873	2976.01172	3519.23413
3541.0	0.0002778	2975.55835	3540.40845
3627.0	0.0002778	2975.10229	3570.08765
3665.0	0.0002687	2974.64380	3609.93286
3610.0	0.0002778	2974.18262	3662.43774
3722.0	0.0002687	2973.71899	3731.19312
3814.0	0.0002601	2973.25293	3821.14307
3903.0	0.0002601	2972.78418	3938.78491
3908.0	0.0002520	2972.31299	4092.20264
4140.0	0.0002441	2971.83911	4290.84180
4324.0	0.0002296	2971.36279	4544.92139
4597.0	0.0002163	2970.88403	4864.35596
4927.0	0.0002041	2970.40283	5256.94092
5359.0	0.0001877	2969.91895	5725.21338

5932.0	0.0001687	2969.43262	6260.83008
6360.0	0.0001562	2968.94385	6835.34131
7128.0	0.0001417	2968.45264	7389.29932
7611.0	0.0001321	2967.95874	7830.81787
8034.0	0.0001235	2967.46240	8062.57520
8422.0	0.0001181	2966.96362	8036.21191
8386.0	0.0001181	2966.46240	7787.02881
8090.0	0.0001235	2965.95874	7408.15576
7498.0	0.0001321	2965.45239	6994.95947
6915.0	0.0001452	2964.94385	6611.95117
6536.0	0.0001524	2964.43262	6290.60742
6145.0	0.0001644	2963.91919	6039.74756
5731.0	0.0001731	2963.40308	5855.41455
5586.0	0.0001778	2962.88477	5727.18359
5525.0	0.0001826	2962.36377	5641.83057
5463.0	0.0001826	2961.84033	5585.56738
5356.0	0.0001877	2961.31470	5545.51221
5387.0	0.0001877	2960.78662	5510.66016
5332.0	0.0001877	2960.25586	5472.46631
5204.0	0.0001929	2959.72290	5425.08447
5347.0	0.0001877	2959.18750	5365.32520
5241.0	0.0001929	2958.64941	5292.39063
5249.0	0.0001929	2958.10913	5207.46191
5282.0	0.0001877	2957.56641	5113.21875
5199.0	0.0001929	2957.02148	5013.35303
5101.0	0.0001984	2956.47412	4912.12207
5061.0	0.0001984	2955.92432	4813.95313
4953.0	0.0002041	2955.37207	4723.10889
4866.0	0.0002041	2954.81738	4643.40479
4887.0	0.0002041	2954.26050	4577.98682
4753.0	0.0002100	2953.70117	4529.16846
4745.0	0.0002100	2953.13965	4498.32178
4616.0	0.0002163	2952.57544	4485.80566
4615.0	0.0002163	2952.00903	4490.93457
4594.0	0.0002163	2951.44043	4511.95850
4534.0	0.0002228	2950.86914	4546.05811
4522.0	0.0002228	2950.29565	4589.35400
4462.0	0.0002228	2949.71997	4636.97998
4488.0	0.0002228	2949.14209	4683.27734
4553.0	0.0002228	2948.56152	4722.17383
4471.0	0.0002228	2947.97876	4747.82227
4401.0	0.0002296	2947.39380	4755.39209
4508.0	0.0002228	2946.80640	4741.84717
4534.0	0.0002228	2946.21680	4706.42871
4531.0	0.0002228	2945.62476	4650.63574
4476.0	0.0002228	2945.03052	4577.73730
4468.0	0.0002228	2944.43384	4492.00342
4373.0	0.0002296	2943.83521	4397.94336
4346.0	0.0002296	2943.23389	4299.74512
4301.0	0.0002296	2942.63062	4200.97510
4259.0	0.0002367	2942.02490	4104.48193
4064.0	0.0002441	2941.41699	4012.43262
4039.0	0.0002441	2940.80688	3926.40942
3968.0	0.0002520	2940.19434	3847.51001

3933.0	0.0002520	2939.57959	3776.44751
3803.0	0.0002601	2938.96265	3716.17749
3684.0	0.0002687	2938.34351	3661.87329
3640.0	0.0002778	2937.72192	3615.97241
3659.0	0.0002778	2937.09814	3578.33398
3659.0	0.0002778	2936.47241	3548.73975
3683.0	0.0002687	2935.84424	3526.94043
3626.0	0.0002778	2935.21387	3512.70752
3593.0	0.0002778	2934.58130	3505.88208
3598.0	0.0002778	2933.94653	3506.43433
3700.0	0.0002687	2933.30957	3514.53369
3701.0	0.0002687	2932.67041	3530.64038
3756.0	0.0002687	2932.02905	3555.63013
3809.0	0.0002601	2931.38550	3590.95410
3967.0	0.0002520	2930.73975	3638.84521
3977.0	0.0002520	2930.09180	3702.55029
4116.0	0.0002441	2929.44165	3786.55225
4142.0	0.0002441	2928.78931	3896.73608
4310.0	0.0002296	2928.13501	4040.39795
4522.0	0.0002228	2927.47827	4226.02783
4787.0	0.0002100	2926.81958	4462.77100
5038.0	0.0001984	2926.15869	4759.46045
5195.0	0.0001929	2925.49561	5123.05908
5426.0	0.0001826	2924.83032	5556.02930
5729.0	0.0001731	2924.16309	6051.74072
6099.0	0.0001644	2923.49365	6586.82178
6159.0	0.0001644	2922.82202	7111.29736
6274.0	0.0001602	2922.14819	7544.01660
6459.0	0.0001562	2921.47241	7789.44336
6566.0	0.0001524	2920.79443	7782.88867
6675.0	0.0001487	2920.11450	7532.62158
6693.0	0.0001487	2919.43213	7116.66846
6443.0	0.0001562	2918.74805	6631.60010
6202.0	0.0001602	2918.06152	6154.29932
6189.0	0.0001602	2917.37305	5730.00830
5928.0	0.0001687	2916.68262	5378.93066
5624.0	0.0001778	2915.98999	5105.88525
5199.0	0.0001929	2915.29517	4907.22656
5122.0	0.0001929	2914.59863	4772.95801
5024.0	0.0001984	2913.89990	4696.82715
4834.0	0.0002041	2913.19897	4666.02734
4805.0	0.0002100	2912.49609	4669.90967
4761.0	0.0002100	2911.79102	4698.54639
4588.0	0.0002163	2911.08398	4742.99756
4825.0	0.0002100	2910.37500	4795.39404
4623.0	0.0002163	2909.66382	4848.92871
4754.0	0.0002100	2908.95093	4897.82275
4673.0	0.0002163	2908.23560	4937.32422
4742.0	0.0002100	2907.51855	4963.74463
4752.0	0.0002100	2906.79932	4974.53369
4730.0	0.0002100	2906.07813	4968.35254
4764.0	0.0002100	2905.35498	4945.10693
4878.0	0.0002041	2904.62964	4905.90283
4888.0	0.0002041	2903.90259	4852.91455

4837.0	0.0002041	2903.17334	4789.18115
4848.0	0.0002041	2902.44238	4718.37109
4797.0	0.0002100	2901.70923	4644.52539
4871.0	0.0002041	2900.97412	4571.81641
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4757.0	0.0002100	2899.49805	4445.77930
4796.0	0.0002100	2898.75708	4399.50195
4680.0	0.0002163	2898.01392	4368.14502
4677.0	0.0002163	2897.26904	4353.64990
4530.0	0.0002228	2896.52246	4357.16504
4619.0	0.0002163	2895.77368	4379.00146
4333.0	0.0002296	2895.02295	4418.61084
4393.0	0.0002296	2894.27026	4474.55811
4348.0	0.0002296	2893.51563	4544.49609
4294.0	0.0002296	2892.75928	4625.12256
4271.0	0.0002367	2892.00073	4712.13965
4405.0	0.0002296	2891.24048	4800.26123
4294.0	0.0002296	2890.47827	4883.33057
4233.0	0.0002367	2889.71436	4954.64600
4272.0	0.0002367	2888.94824	5007.55518
4242.0	0.0002367	2888.18042	5036.29492
4244.0	0.0002367	2887.41064	5036.89355
4356.0	0.0002296	2886.63892	5007.85303
4217.0	0.0002367	2885.86523	4950.36035
4372.0	0.0002296	2885.09009	4867.90723
4289.0	0.0002367	2884.31274	4765.51221
4222.0	0.0002367	2883.53369	4648.80176
4259.0	0.0002367	2882.75269	4523.25098
4291.0	0.0002296	2881.96997	4393.68604
4056.0	0.0002441	2881.18506	4264.07275
4105.0	0.0002441	2880.39868	4137.49658
4072.0	0.0002441	2879.61035	4016.24463
3851.0	0.0002601	2878.82031	3901.93359
3804.0	0.0002601	2878.02832	3795.62549
3722.0	0.0002687	2877.23462	3697.93970
3622.0	0.0002778	2876.43872	3609.13525
3606.0	0.0002778	2875.64136	3529.18530
3534.0	0.0002873	2874.84229	3457.83691
3424.0	0.0002873	2874.04126	3389.81787
3387.0	0.0002973	2873.23853	3334.31348
3302.0	0.0003078	2872.43384	3286.01440
3356.0	0.0002973	2871.62744	3243.80103
3267.0	0.0003078	2870.81909	3207.19312
3162.0	0.0003189	2870.00928	3175.50757
3201.0	0.0003078	2869.19751	3148.09277
3221.0	0.0003078	2868.38403	3124.34351
3171.0	0.0003189	2867.56885	3103.71411
3164.0	0.0003189	2866.75195	3085.71851
3176.0	0.0003189	2865.93311	3069.93408
3199.0	0.0003078	2865.11255	3055.99976
3116.0	0.0003189	2864.29053	3043.61011
3135.0	0.0003189	2863.46655	3032.51001
3044.0	0.0003306	2862.64087	3022.48901
3097.0	0.0003189	2861.81348	3013.37671

3057.0	0.0003306	2860.98438	3005.03247
3106.0	0.0003189	2860.15356	2997.34326
3094.0	0.0003189	2859.32104	2990.21826
3090.0	0.0003189	2858.48682	2983.58154
3128.0	0.0003189	2857.65088	2977.37451
3169.0	0.0003189	2856.81323	2971.54590
3041.0	0.0003306	2855.97388	2966.05542
3101.0	0.0003189	2855.13281	2960.86792
3174.0	0.0003189	2854.29028	2955.95435
3156.0	0.0003189	2853.44580	2951.28979
3109.0	0.0003189	2852.59985	2946.85205
3104.0	0.0003189	2851.75220	2942.62280
3037.0	0.0003306	2850.90283	2938.58423
2980.0	0.0003306	2850.05200	2934.72217
3004.0	0.0003306	2849.19922	2931.02246
3138.0	0.0003189	2848.34497	2927.47339
3068.0	0.0003306	2847.48901	2924.06396
2985.0	0.0003306	2846.63135	2920.78442
2958.0	0.0003429	2845.77222	2917.62476
3097.0	0.0003189	2844.91138	2914.57764
3157.0	0.0003189	2844.04907	2911.63550
3014.0	0.0003306	2843.18506	2908.79053
2991.0	0.0003306	2842.31958	2906.03735
3038.0	0.0003306	2841.45215	2903.36890
2914.0	0.0003429	2840.58325	2900.78076
2943.0	0.0003429	2839.71289	2898.26782
3005.0	0.0003306	2838.84082	2895.82520
2992.0	0.0003306	2837.96729	2893.44873
2999.0	0.0003306	2837.09204	2891.13452
3032.0	0.0003306	2836.21533	2888.87866
2964.0	0.0003429	2835.33716	2886.67798
3079.0	0.0003306	2834.45728	2884.52930
2973.0	0.0003306	2833.57568	2882.42969
3045.0	0.0003306	2832.69287	2880.37671
3022.0	0.0003306	2831.80835	2878.36670
3001.0	0.0003306	2830.92212	2876.39844
3085.0	0.0003189	2830.03442	2874.46924
2959.0	0.0003429	2829.14526	2872.57715
2994.0	0.0003306	2828.25488	2870.72095
2990.0	0.0003306	2827.36255	2868.89697
2962.0	0.0003429	2826.46899	2867.10547
3011.0	0.0003306	2825.57373	2865.34375
2943.0	0.0003429	2824.67676	2863.60986
2997.0	0.0003306	2823.77856	2861.90430
2970.0	0.0003429	2822.87891	2860.22388
2886.0	0.0003429	2821.97754	2858.56787
2923.0	0.0003429	2821.07495	2856.93579
2990.0	0.0003306	2820.17090	2855.32617
2974.0	0.0003306	2819.26514	2853.73706
2962.0	0.0003429	2818.35791	2852.16870
3033.0	0.0003306	2817.44922	2850.61987
2909.0	0.0003429	2816.53931	2849.08911
3017.0	0.0003306	2815.62769	2847.57593
2973.0	0.0003306	2814.71460	2846.07935



2939.0	0.0003429	2813.80029	2844.59937
2942.0	0.0003429	2812.88452	2843.13477
2917.0	0.0003429	2811.96729	2841.68481
2858.0	0.000356	2811.04834	2840.24902
2930.0	0.0003429	2810.12817	2838.82666
2972.0	0.0003306	2809.20654	2837.41748
2938.0	0.0003429	2808.28345	2836.02026
2948.0	0.0003429	2807.35913	2829.31812
2936.0	0.0003429	2806.43335	2827.99756
2851.0	0.000356	2805.50610	2826.68750
2924.0	0.0003429	2804.57764	2825.38696
2889.0	0.0003429	2803.64746	2824.09570
2819.0	0.000356	2802.71606	2824.46582
2946.0	0.0003429	2801.78320	2823.22412
2923.0	0.0003429	2800.84912	2821.99121
2847.0	0.000356	2799.91357	2820.76733
2945.0	0.0003429	2798.97656	2819.55176
2920.0	0.0003429	2798.03809	2818.34473
2944.0	0.0003429	2797.09863	2817.14600
2930.0	0.0003429	2796.15771	2815.95435
2919.0	0.0003429	2795.21533	2814.77075
3007.0	0.0003306	2794.27173	2813.59497
2951.0	0.0003429	2793.32666	2812.42603
2915.0	0.0003429	2792.38013	2811.26367
2915.0	0.0003429	2791.43262	2810.10864
2791.0	0.000356	2790.48364	2808.96021
2843.0	0.000356	2789.53345	2807.81885
2922.0	0.0003429	2788.58179	2806.68335
2950.0	0.0003429	2787.62866	2805.55396
2790.0	0.000356	2786.67432	2804.43164
2976.0	0.0003306	2785.71875	2803.31519
2951.0	0.0003429	2784.76196	2802.20508
2854.0	0.000356	2783.80396	2801.10034
2922.0	0.0003429	2782.84448	2800.00244
2837.0	0.000356	2781.88379	2798.90991
2880.0	0.0003429	2780.92188	2797.82373
2902.0	0.0003429	2779.95850	2796.74316
2863.0	0.0003429	2778.99414	2795.66870
2806.0	0.000356	2778.02832	2794.59985
2877.0	0.0003429	2777.06128	2793.53735
2824.0	0.000356	2776.09277	2792.48022
2771.0	0.000356	2775.12329	2791.42969
2923.0	0.0003429	2774.15259	2790.38525
2857.0	0.000356	2773.18066	2789.34741
2898.0	0.0003429	2772.20752	2788.31567
2868.0	0.0003429	2771.23291	2787.28979
2667.0	0.000370	2770.25732	2786.27100
2792.0	0.000356	2769.28027	2785.25879
2905.0	0.0003429	2768.30200	2784.25342
2858.0	0.000356	2767.32275	2783.25562
2824.0	0.000356	2766.34229	2782.26440
2912.0	0.0003429	2765.36060	2781.28149
2799.0	0.000356	2764.37769	2780.30591
2863.0	0.0003429	2763.39355	2779.33862

2796.0	0.000356	2762.40820	2778.38037
2836.0	0.000356	2761.42188	2777.43018
2860.0	0.000356	2760.43408	2776.48999
2969.0	0.0003429	2759.44531	2775.55908
2852.0	0.000356	2758.45532	2774.63843
2819.0	0.000356	2757.46436	2773.72876
2867.0	0.0003429	2756.47192	2772.83008
2814.0	0.000356	2755.47852	2771.94385
2762.0	0.000356	2754.48389	2771.06982
2833.0	0.000356	2753.48828	2770.20996
2767.0	0.000356	2752.49146	2769.36401
2834.0	0.000356	2751.49341	2768.53345
2733.0	0.000370	2750.49414	2767.71948
2928.0	0.0003429	2749.49390	2766.92261
2770.0	0.000356	2748.49268	2766.14502
2791.0	0.000356	2747.49023	2765.38818
2950.0	0.0003429	2746.48657	2764.65186
2847.0	0.000356	2745.48193	2763.94019
2826.0	0.000356	2744.47607	2763.25366
2778.0	0.000356	2743.46924	2762.59473
2944.0	0.0003429	2742.46143	2761.96631
2838.0	0.000356	2741.45215	2761.37036
2817.0	0.000356	2740.44238	2760.81055
2860.0	0.000356	2739.43115	2760.28931
2827.0	0.000356	2738.41895	2759.81177
2773.0	0.000356	2737.40552	2759.38086
2917.0	0.0003429	2736.39111	2759.00269
2838.0	0.000356	2735.37573	2758.68188
2846.0	0.000356	2734.35913	2758.42529
2728.0	0.000370	2733.34155	2758.24023
2795.0	0.000356	2732.32324	2758.54346
2864.0	0.0003429	2731.30371	2758.54370
2775.0	0.000356	2730.28296	2758.64502
2880.0	0.0003429	2729.26123	2758.86060
2864.0	0.0003429	2728.23853	2759.20508
2776.0	0.000356	2727.21484	2759.69653
2780.0	0.000356	2726.19019	2760.35596
2798.0	0.000356	2725.16431	2761.20801
2794.0	0.000356	2724.13770	2762.28271
2784.0	0.000356	2723.11011	2763.61523
2813.0	0.000356	2722.08130	2765.24829
2756.0	0.000370	2721.05151	2767.23560
2852.0	0.000356	2720.02100	2769.64209
2858.0	0.000356	2718.98926	2772.55078
2785.0	0.000356	2717.95654	2776.06738
2839.0	0.000356	2716.92285	2780.33472
2769.0	0.000356	2715.88843	2785.55005
2822.0	0.000356	2714.85303	2791.99512
2711.0	0.000370	2713.81641	2800.08765
2831.0	0.000356	2712.77905	2810.45117
2839.0	0.000356	2711.74072	2824.00439
2901.0	0.0003429	2710.70117	2842.06885
2917.0	0.0003429	2709.66089	2866.45264
2826.0	0.000356	2708.61963	2899.47900

2950.0	0.0003429	2707.57764	2943.90796
2991.0	0.0003306	2706.53467	3002.68555
3017.0	0.0003306	2705.49072	3078.51147
3029.0	0.0003306	2704.44580	3173.19092
3180.0	0.0003189	2703.39990	3286.70825
3273.0	0.0003078	2702.35303	3415.79053
3273.0	0.0003078	2701.30542	3551.67432
3429.0	0.0002873	2700.25708	3677.50195
3430.0	0.0002873	2699.20752	3768.54736
3468.0	0.0002873	2698.15723	3800.78394
3406.0	0.0002973	2697.10620	3766.07666
3396.0	0.0002973	2696.05420	3678.55933
3489.0	0.0002873	2695.00122	3563.90015
3386.0	0.0002973	2693.94727	3444.90601
3240.0	0.0003078	2692.89282	3335.78906
3229.0	0.0003078	2691.83716	3243.30664
3031.0	0.0003306	2690.78076	3169.42212
3107.0	0.0003189	2689.72363	3113.29321
3046.0	0.0003306	2688.66553	3072.53003
3075.0	0.0003306	2687.60669	3044.04126
3001.0	0.0003306	2686.54688	3024.62622
2988.0	0.0003306	2685.48633	3011.37378
3039.0	0.0003306	2684.42480	3001.87256
2938.0	0.0003429	2683.36255	2994.27466
2990.0	0.0003306	2682.29956	2987.26465
3055.0	0.0003306	2681.23560	2979.97803
3021.0	0.0003306	2680.17114	2971.90796
2927.0	0.0003429	2679.10547	2962.82129
2943.0	0.0003429	2678.03906	2952.68677
2980.0	0.0003306	2676.97192	2941.62231
2977.0	0.0003306	2675.90430	2929.84351
2977.0	0.0003306	2674.83545	2913.28906
2948.0	0.0003429	2673.76611	2901.00293
2966.0	0.0003429	2672.69580	2888.93286
2868.0	0.0003429	2671.62476	2877.39771
2973.0	0.0003306	2670.55298	2866.68628
2873.0	0.0003429	2669.48047	2857.04321
2903.0	0.0003429	2668.40723	2848.65625
2842.0	0.000356	2667.33301	2841.64648
2767.0	0.000356	2666.25830	2836.06152
2904.0	0.0003429	2665.18262	2831.86841
2831.0	0.000356	2664.10620	2828.95117
2852.0	0.000356	2663.02905	2827.10986
2856.0	0.000356	2661.95142	2826.06348
2831.0	0.000356	2660.87305	2825.45825
2866.0	0.0003429	2659.79370	2824.88916
2891.0	0.0003429	2658.71362	2823.93213
2774.0	0.000356	2657.63281	2822.18848
2815.0	0.000356	2656.55151	2819.33350
2865.0	0.0003429	2655.46924	2815.16089
2907.0	0.0003429	2654.38647	2809.60742
2802.0	0.000356	2653.30298	2802.74683
2829.0	0.000356	2652.21875	2794.76294
2881.0	0.0003429	2651.13379	2785.90918

2841.0	0.000356	2650.04834	2776.46191
2788.0	0.000356	2648.96191	2766.68750
2803.0	0.000356	2647.87476	2756.82056
2789.0	0.000356	2646.78711	2747.05444
2697.0	0.000370	2645.69873	2737.54126
2664.0	0.000370	2644.60986	2728.39380
2690.0	0.000370	2643.52026	2719.69238
2690.0	0.000370	2642.42993	2711.49097
2698.0	0.000370	2641.33887	2703.82153
2693.0	0.000370	2640.24731	2696.69678
2664.0	0.000370	2639.15503	2690.11670
2650.0	0.000384	2638.06201	2684.06860
2612.0	0.000384	2636.96851	2678.53076
2697.0	0.000370	2635.87427	2673.47461
2581.0	0.000384	2634.77979	2668.86719
2744.0	0.000370	2633.68433	2664.67065
2678.0	0.000370	2632.58813	2660.84668
2578.0	0.000384	2631.49146	2657.35645
2578.0	0.000384	2630.39404	2654.16235
2674.0	0.000370	2629.29614	2651.22827
2625.0	0.000384	2628.19775	2648.52051
2650.0	0.000384	2627.09863	2646.00830
2633.0	0.000384	2625.99902	2643.66382
2652.0	0.000384	2624.89893	2641.46265
2589.0	0.000384	2623.79785	2639.38379
2585.0	0.000384	2622.69653	2637.40894
2652.0	0.000384	2621.59448	2635.52197
2582.0	0.000384	2620.49170	2633.71021
2641.0	0.000384	2619.38867	2631.96265
2620.0	0.000384	2618.28491	2630.27002
2638.0	0.000384	2617.18042	2628.62500
2622.0	0.000384	2616.07593	2627.02173
2634.0	0.000384	2614.97046	2625.45337
2590.0	0.000384	2613.86450	2623.91724
2699.0	0.000370	2612.75781	2622.40942
2546.0	0.000400	2611.65088	2620.92676
2559.0	0.000384	2610.54321	2619.46655
2628.0	0.000384	2609.43506	2618.02710
2623.0	0.000384	2608.32642	2616.60620
2622.0	0.000384	2607.21729	2615.20264
2575.0	0.000384	2606.10767	2613.81445
2631.0	0.000384	2604.99731	2612.44092
2557.0	0.000384	2603.88672	2611.08057
2564.0	0.000384	2602.77539	2609.73267
2574.0	0.000384	2601.66357	2608.39575
2584.0	0.000384	2600.55151	2607.07031
2682.0	0.000370	2599.43872	2605.75415
2572.0	0.000384	2598.32568	2604.44775
2558.0	0.000384	2597.21191	2603.14941
2674.0	0.000370	2596.09766	2601.85889
2608.0	0.000384	2594.98291	2600.57642
2626.0	0.000384	2593.86792	2599.30078
2584.0	0.000384	2592.75220	2598.03174
2590.0	0.000384	2591.63599	2596.76855

2599.0	0.000384	2590.51953	2595.51172
2622.0	0.000384	2589.40234	2594.26001
2584.0	0.000384	2588.28516	2593.01343
2652.0	0.000384	2587.16724	2591.77173
2568.0	0.000384	2586.04883	2590.53418
2597.0	0.000384	2584.92993	2589.30127
2599.0	0.000384	2583.81079	2588.07227
2530.0	0.000400	2582.69092	2586.84692
2659.0	0.000370	2581.57080	2585.62500
2574.0	0.000384	2580.45020	2584.40674
2596.0	0.000384	2579.32935	2583.19189
2570.0	0.000384	2578.20801	2581.97974
2486.0	0.000400	2577.08618	2580.77051
2585.0	0.000384	2575.96387	2579.56348
2516.0	0.000400	2574.84131	2578.35962
2586.0	0.000384	2573.71826	2577.15820
2575.0	0.000384	2572.59473	2575.95825
2566.0	0.000384	2571.47095	2574.76123
2565.0	0.000384	2570.34668	2573.56616
2627.0	0.000384	2569.22217	2572.37305
2582.0	0.000384	2568.09717	2571.18140
2540.0	0.000400	2566.97168	2569.99170
2584.0	0.000384	2565.84595	2568.80396
2514.0	0.000400	2564.71973	2570.44702
2569.0	0.000384	2563.59326	2569.28784
2532.0	0.000400	2562.46631	2568.12988
2509.0	0.000400	2561.33911	2566.97388
2575.0	0.000384	2560.21167	2565.81958
2570.0	0.000384	2559.08350	2564.66675
2554.0	0.000384	2557.95532	2563.52319
2486.0	0.000400	2556.82666	2562.37354
2506.0	0.000400	2555.69775	2561.22534
2537.0	0.000400	2554.56836	2560.07837
2561.0	0.000384	2553.43848	2558.93262
2499.0	0.000400	2552.30859	2557.78882
2584.0	0.000384	2551.17822	2556.64551
2548.0	0.000400	2550.04785	2555.50415
2576.0	0.000384	2548.91675	2554.36377
2528.0	0.000400	2547.78540	2553.22485
2522.0	0.000400	2546.65381	2552.08643
2577.0	0.000384	2545.52173	2550.94946
2528.0	0.000400	2544.38965	2549.81372
2514.0	0.000400	2543.25708	2548.67896
2530.0	0.000400	2542.12427	2547.54517
2517.0	0.000400	2540.99121	2546.41284
2577.0	0.000384	2539.85791	2545.28125
2522.0	0.000400	2538.72412	2544.15063
2567.0	0.000384	2537.59009	2543.02124
2544.0	0.000400	2536.45581	2541.89282
2532.0	0.000400	2535.32104	2540.76489
2495.0	0.000400	2534.18628	2539.63867
2383.0	0.000416	2533.05127	2538.51294
2381.0	0.000416	2531.91602	2537.38867
2569.0	0.000384	2530.78052	2536.26514

2513.0	0.000400	2529.64453	2535.14233
2434.0	0.000416	2528.50830	2534.02075
2571.0	0.000384	2527.37207	2532.89990
2524.0	0.000400	2526.23535	2531.78003
2436.0	0.000416	2525.09839	2530.66162
2477.0	0.000400	2523.96118	2529.54346
2461.0	0.000400	2522.82422	2531.64648
2466.0	0.000400	2521.68652	2530.57690
2490.0	0.000400	2520.54858	2529.50903
2440.0	0.000416	2519.41064	2528.44360
2500.0	0.000400	2518.27246	2527.38013
2430.0	0.000416	2517.13379	2526.31812
2470.0	0.000400	2515.99512	2525.25879
2465.0	0.000400	2514.85620	2524.20166
2468.0	0.000400	2513.71729	2523.14673
2485.0	0.000400	2512.57788	2522.09375
2538.0	0.000400	2511.43848	2521.04346
2556.0	0.000384	2510.29858	2519.99512
2425.0	0.000416	2509.15869	2518.94946
2508.0	0.000400	2508.01880	2517.90601
2547.0	0.000400	2506.87842	2516.86523
2486.0	0.000400	2505.73779	2515.82690
2503.0	0.000400	2504.59717	2514.79150
2635.0	0.000384	2503.45654	2513.75879
2424.0	0.000416	2502.31567	2512.72900
2530.0	0.000400	2501.17432	2511.70166
2533.0	0.000400	2500.03296	2510.67749
2526.0	0.000400	2498.89160	2509.65625
2502.0	0.000400	2497.74976	2508.63794
2445.0	0.000416	2496.60791	2507.62280
2512.0	0.000400	2495.46606	2506.61133
2457.0	0.000400	2494.32422	2505.60327
2502.0	0.000400	2493.18188	2504.59863
2571.0	0.000384	2492.03955	2503.59717
2473.0	0.000400	2490.89697	2502.59961
2449.0	0.000416	2489.75415	2502.91260
2463.0	0.000400	2488.61133	2501.93481
2624.0	0.000384	2487.46851	2500.96094
2467.0	0.000400	2486.32544	2499.99121
2382.0	0.000416	2485.18237	2499.02612
2474.0	0.000400	2484.03906	2498.06543
2385.0	0.000416	2482.89575	2497.11035
2547.0	0.000400	2481.75220	2496.15967
2483.0	0.000400	2480.60840	2495.21338
2425.0	0.000416	2479.46484	2494.27295
2548.0	0.000400	2478.32080	2493.33765
2501.0	0.000400	2477.17700	2492.40845
2517.0	0.000400	2476.03296	2491.48486
2462.0	0.000400	2474.88892	2506.34009
2431.0	0.000416	2473.74487	2505.73462
2549.0	0.000400	2472.60059	2505.14429
2473.0	0.000400	2471.45605	2504.57007
2558.0	0.000384	2470.31177	2504.01270
2560.0	0.000384	2469.16724	2505.22998

2345.0	0.000434	2468.02246	2504.72046
2504.0	0.000400	2466.87793	2504.22998
2501.0	0.000400	2465.73340	2503.75854
2447.0	0.000416	2464.58862	2503.77466
2454.0	0.000400	2463.44360	2503.34863
2505.0	0.000400	2462.29883	2502.94531
2492.0	0.000400	2461.15381	2502.56494
2426.0	0.000416	2460.00879	2502.20874
2535.0	0.000400	2458.86377	2501.87720
2444.0	0.000416	2457.71851	2501.57202
2412.0	0.000416	2456.57373	2501.29492
2476.0	0.000400	2455.42847	2501.04517
2499.0	0.000400	2454.28320	2500.82544
2472.0	0.000400	2453.13818	2500.63770
2446.0	0.000416	2451.99292	2500.48169
2401.0	0.000416	2450.84741	2500.35986
2368.0	0.000416	2449.70215	2500.27344
2490.0	0.000400	2448.55688	2500.22534
2426.0	0.000416	2447.41162	2500.21655
2491.0	0.000400	2446.26636	2500.24829
2469.0	0.000400	2445.12109	2500.32324
2553.0	0.000384	2443.97583	2500.44385
2431.0	0.000416	2442.83032	2500.61230
2484.0	0.000400	2441.68506	2500.83105
2433.0	0.000416	2440.53979	2501.10229
2461.0	0.000400	2439.39453	2501.42969
2438.0	0.000416	2438.24902	2501.81592
2445.0	0.000416	2437.10400	2502.26392
2533.0	0.000400	2435.95874	2502.77734
2506.0	0.000400	2434.81323	2503.35986
2402.0	0.000416	2433.66821	2504.01636
2428.0	0.000416	2432.52295	2504.74951
2474.0	0.000400	2431.37769	2505.56519
2426.0	0.000416	2430.23267	2506.46753
2449.0	0.000416	2429.08765	2507.46313
2454.0	0.000400	2427.94263	2508.55664
2534.0	0.000400	2426.79761	2509.75464
2479.0	0.000400	2425.65259	2511.06348
2504.0	0.000400	2424.50781	2512.49170
2474.0	0.000400	2423.36279	2515.06470
2495.0	0.000400	2422.21802	2516.78174
2487.0	0.000400	2421.07324	2518.64478
2494.0	0.000400	2419.92847	2522.82788
2523.0	0.000400	2418.78369	2525.07300
2454.0	0.000400	2417.63940	2527.50049
2565.0	0.000384	2416.49487	2530.12305
2459.0	0.000400	2415.35034	2532.95679
2493.0	0.000400	2414.20605	2536.01733
2538.0	0.000400	2413.06177	2539.32275
2480.0	0.000400	2411.91748	2542.89331
2486.0	0.000400	2410.77344	2546.75000
2569.0	0.000384	2409.62939	2550.91870
2533.0	0.000400	2408.48560	2555.42505
2604.0	0.000384	2407.34180	2560.29980

2554.0	0.000384	2406.19800	2565.57544
2505.0	0.000400	2405.05444	2571.29053
2513.0	0.000400	2403.91064	2577.48682
2458.0	0.000400	2402.76733	2584.21021
2485.0	0.000400	2401.62402	2591.51514
2573.0	0.000384	2400.48071	2598.97266
2576.0	0.000384	2399.33789	2607.63135
2553.0	0.000384	2398.19482	2617.07642
2513.0	0.000400	2397.05200	2627.39600
2567.0	0.000384	2395.90918	2638.69141
2613.0	0.000384	2394.76636	2651.08032
2589.0	0.000384	2393.62402	2664.69897
2691.0	0.000370	2392.48145	2679.70435
2624.0	0.000384	2391.33936	2696.28418
2628.0	0.000384	2390.19702	2714.65918
2598.0	0.000384	2389.05542	2735.09790
2708.0	0.000370	2387.91357	2757.92480
2812.0	0.000356	2386.77173	2783.54297
2863.0	0.0003429	2385.63037	2822.52808
2802.0	0.000356	2384.48877	2855.58203
2900.0	0.0003429	2383.34766	2893.41748
2926.0	0.0003429	2382.20654	2937.10693
2914.0	0.0003429	2381.06567	2988.04126
3048.0	0.0003306	2379.92505	3048.00537
3078.0	0.0003306	2378.78442	3119.27344
3137.0	0.0003189	2377.64404	3212.37329
3389.0	0.0002973	2376.50366	3315.64014
3489.0	0.0002873	2375.36353	3441.00220
3646.0	0.0002778	2374.22363	3593.77832
3849.0	0.0002601	2373.08398	3780.38525
4112.0	0.0002441	2371.94434	4008.47119
4249.0	0.0002367	2370.80518	4286.94678
4638.0	0.0002163	2369.66602	4625.71973
4918.0	0.0002041	2368.52710	5034.83691
5370.0	0.0001877	2367.38818	5522.70313
5635.0	0.0001778	2366.24951	6093.33008
6346.0	0.0001562	2365.11108	6743.45020
6826.0	0.0001452	2363.97290	7461.64990
7528.0	0.0001321	2362.83472	8241.48730
8287.0	0.0001208	2361.69702	9047.73047
9080.0	0.0001108	2360.55957	9874.80664
10291.0	0.0000980	2359.42212	10695.00098
10838.0	0.0000925	2358.28491	11446.92188
11464.0	0.0000873	2357.14795	12024.80762
11698.0	0.0000857	2356.01123	12303.54102
11930.0	0.0000842	2354.87476	12203.33789
11774.0	0.0000842	2353.73828	11746.24316
11219.0	0.0000890	2352.60229	11045.28027
10359.0	0.0000961	2351.46655	10240.03906
9474.0	0.0001063	2350.33081	9442.52051
8800.0	0.0001132	2349.19556	8721.25781
8126.0	0.0001235	2348.06030	8108.83691
7750.0	0.0001291	2346.92529	7614.01025
7086.0	0.0001417	2345.79077	7230.98340



6975.0	0.0001417	2344.65625	6945.53857
6922.0	0.0001452	2343.52197	6739.20020
6544.0	0.0001524	2342.38818	6595.15820
6436.0	0.0001562	2341.25464	6489.01270
6450.0	0.0001562	2340.12109	6407.24805
6358.0	0.0001562	2338.98779	6336.67920
6244.0	0.0001602	2337.85498	6267.43359
6280.0	0.0001602	2336.72217	6192.75537
6200.0	0.0001602	2335.58984	6108.58301
6090.0	0.0001644	2334.45752	6013.06982
6112.0	0.0001644	2333.32593	5906.08252
5744.0	0.0001731	2332.19434	5788.77100
5881.0	0.0001687	2331.06299	5663.19092
5662.0	0.0001778	2329.93188	5531.98486
5428.0	0.0001826	2328.80103	5398.13281
5362.0	0.0001877	2327.67065	5264.72998
5317.0	0.0001877	2326.54028	5134.80518
5149.0	0.0001929	2325.41040	5011.17041
5010.0	0.0001984	2324.28076	4896.28564
4937.0	0.0002041	2323.15161	4792.15771
4893.0	0.0002041	2322.02246	4700.21387
4787.0	0.0002100	2320.89380	4621.27490
4966.0	0.0002041	2319.76514	4555.46289
4601.0	0.0002163	2318.63721	4502.16943
4676.0	0.0002163	2317.50928	4463.30420
4690.0	0.0002163	2316.38159	4430.36328
4658.0	0.0002163	2315.25439	4403.83203
4552.0	0.0002228	2314.12744	4380.55176
4607.0	0.0002163	2313.00098	4357.15576
4573.0	0.0002163	2311.87476	4330.40088
4342.0	0.0002296	2310.74854	4297.53369
4479.0	0.0002228	2309.62280	4256.60986
4461.0	0.0002228	2308.49756	4206.69873
4586.0	0.0002163	2307.37231	4147.91602
4511.0	0.0002228	2306.24780	4081.29272
4242.0	0.0002367	2305.12329	4008.50586
4372.0	0.0002296	2303.99951	3931.59082
4165.0	0.0002367	2302.87573	3852.66626
4032.0	0.0002441	2301.75220	3773.74634
3910.0	0.0002520	2300.62915	3696.62622
3693.0	0.0002687	2299.50635	3622.84521
3680.0	0.0002687	2298.38403	3553.69922
3495.0	0.0002873	2297.26196	3490.27490
3443.0	0.0002873	2296.14014	3433.49731
3362.0	0.0002973	2295.01904	3384.18579
3338.0	0.0002973	2293.89819	3343.09326
3272.0	0.0003078	2292.77734	3310.95093
3264.0	0.0003078	2291.65698	3288.50659
3162.0	0.0003189	2290.53711	3276.55908
3110.0	0.0003189	2289.41748	3276.00024
3103.0	0.0003189	2288.29834	3287.85474
3041.0	0.0003306	2287.17944	3313.35449
3096.0	0.0003189	2286.06128	3354.03857
3054.0	0.0003306	2284.94312	3411.93652

3073.0	0.0003306	2283.82520	3489.86548
3041.0	0.0003306	2282.70801	3591.89551
3096.0	0.0003189	2281.59082	3724.00513
3201.0	0.0003078	2280.47412	3894.89673
3359.0	0.0002973	2279.35791	4116.81445
3511.0	0.0002873	2278.24194	4406.04297
3687.0	0.0002687	2277.12646	4782.62793
4080.0	0.0002441	2276.01172	5268.81152
4445.0	0.0002228	2274.89697	5885.83887
5187.0	0.0001929	2273.78271	6651.18408
6432.0	0.0001562	2272.66870	7563.90332
8031.0	0.0001235	2271.55518	8609.04199
10171.0	0.0000980	2270.44189	9738.66895
12509.0	0.0000797	2269.32910	10859.58203
14029.0	0.0000718	2268.21680	11823.43457
14496.0	0.0000694	2267.10498	12449.50879
14105.0	0.0000706	2265.99365	12606.13965
12998.0	0.0000769	2264.88232	12300.12402
11811.0	0.0000842	2263.77173	11670.51270
10865.0	0.0000925	2262.66138	10895.16895
10082.0	0.0001000	2261.55151	10115.63574
9526.0	0.0001041	2260.44189	9420.29102
9133.0	0.0001085	2259.33276	8856.47070
8799.0	0.0001132	2258.22437	8445.39551
8655.0	0.0001156	2257.11621	8193.38281
8455.0	0.0001181	2256.00830	8100.01855
8212.0	0.0001208	2254.90088	8163.97461
8327.0	0.0001208	2253.79395	8386.05762
8404.0	0.0001181	2252.68726	8769.04199
8840.0	0.0001132	2251.58130	9314.35645
9739.0	0.0001020	2250.47559	10016.16406
10961.0	0.0000907	2249.37036	10853.20410
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13630.0	0.0000731	2247.16138	12701.20996
14954.0	0.0000672	2246.05737	13484.28516
15020.0	0.0000661	2244.95386	13957.02637
14585.0	0.0000683	2243.85083	13993.41211
13712.0	0.0000731	2242.74829	13594.96680
12682.0	0.0000783	2241.64600	12887.84473
11896.0	0.0000842	2240.54443	12037.22949
11177.0	0.0000890	2239.44336	11175.57813
10525.0	0.0000943	2238.34253	10384.86621
9941.0	0.0001000	2237.24219	9707.05957
9599.0	0.0001041	2236.14233	9157.85645
9324.0	0.0001063	2235.04272	8736.99121
9055.0	0.0001108	2233.94385	8435.80078
8691.0	0.0001156	2232.84546	8243.06348
8682.0	0.0001156	2231.74731	8149.10547
8589.0	0.0001156	2230.64990	8147.97363
8468.0	0.0001181	2229.55273	8237.63965
8474.0	0.0001181	2228.45630	8418.46191
8526.0	0.0001181	2227.36011	8690.51660
8666.0	0.0001156	2226.26440	9049.64355
8691.0	0.0001156	2225.16919	9482.12695

8773.0	0.0001132	2224.07446	9957.32520
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8891.0	0.0001132	2221.88623	10781.92188
9106.0	0.0001108	2220.79321	10944.35840
9067.0	0.0001108	2219.70044	10827.92285
8931.0	0.0001108	2218.60815	10421.00684
9067.0	0.0001108	2217.51636	9787.03809
8751.0	0.0001132	2216.42505	9028.00293
8448.0	0.0001181	2215.33398	8239.82227
7974.0	0.0001262	2214.24365	7493.80225
7527.0	0.0001321	2213.15405	6822.23926
7085.0	0.0001417	2212.06470	6246.83594
6424.0	0.0001562	2210.97583	5772.19531
5995.0	0.0001687	2209.88745	5394.40039
5637.0	0.0001778	2208.79956	5104.37988
5310.0	0.0001877	2207.71216	4890.30029
4968.0	0.0002041	2206.62549	4739.32324
4742.0	0.0002100	2205.53931	4638.87207
4498.0	0.0002228	2204.45337	4577.44336
4497.0	0.0002228	2203.36816	4545.01318
4449.0	0.0002228	2202.28345	4533.12549
4371.0	0.0002296	2201.19897	4534.78809
4329.0	0.0002296	2200.11523	4544.26465
4143.0	0.0002441	2199.03223	4556.85547
4258.0	0.0002367	2197.94946	4568.70752
4250.0	0.0002367	2196.86719	4576.68066
4307.0	0.0002296	2195.78540	4578.26514
4332.0	0.0002296	2194.70435	4571.54443
4312.0	0.0002296	2193.62378	4555.17871
4321.0	0.0002296	2192.54370	4528.40039
4330.0	0.0002296	2191.46411	4490.99512
4359.0	0.0002296	2190.38525	4443.27441
4386.0	0.0002296	2189.30664	4395.02246
4337.0	0.0002296	2188.22876	4329.59424
4346.0	0.0002296	2187.15112	4257.33496
4463.0	0.0002228	2186.07422	4180.00098
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4306.0	0.0002296	2183.92236	4017.82593
4244.0	0.0002367	2182.84692	3936.96143
4236.0	0.0002367	2181.77222	3858.82544
4103.0	0.0002441	2180.69800	3785.20605
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3979.0	0.0002520	2178.55127	3657.68750
3900.0	0.0002601	2177.47876	3606.26172
3868.0	0.0002601	2176.40698	3564.23584
3881.0	0.0002601	2175.33545	3532.10547
3886.0	0.0002601	2174.26465	3510.04077
3808.0	0.0002601	2173.19434	3497.87280
3810.0	0.0002601	2172.12451	3495.08618
3658.0	0.0002778	2171.05518	3500.81177
3736.0	0.0002687	2169.98657	3513.81421
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3614.0	0.0002778	2164.65210	3620.58667
3626.0	0.0002778	2163.58667	3633.39307
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3559.0	0.0002778	2161.45801	3631.79102
3575.0	0.0002778	2160.39429	3614.70410
3527.0	0.0002873	2159.33130	3586.28052
3519.0	0.0002873	2158.26929	3547.15015
3539.0	0.0002873	2157.20752	3498.58423
3565.0	0.0002778	2156.14624	3442.28174
3503.0	0.0002873	2155.08545	3380.14014
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3403.0	0.0002973	2152.96606	3245.77271
3376.0	0.0002973	2151.90723	3176.81689
3360.0	0.0002973	2150.84888	3108.44971
3231.0	0.0003078	2149.79126	3041.67627
3122.0	0.0003189	2148.73413	2977.27075
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2919.0	0.0003429	2146.62183	2857.68506
2801.0	0.000356	2145.56641	2803.17456
2771.0	0.000356	2144.51172	2752.42480
2692.0	0.000370	2143.45752	2706.00439
2671.0	0.000370	2142.40381	2662.87476
2554.0	0.000384	2141.35107	2623.46313
2574.0	0.000384	2140.29883	2587.63940
2511.0	0.000400	2139.24707	2555.23413
2478.0	0.000400	2138.19604	2528.03857
2375.0	0.000416	2137.14526	2501.91675
2370.0	0.000416	2136.09546	2478.57788
2421.0	0.000416	2135.04614	2457.78784
2311.0	0.000434	2133.99731	2439.31934
2336.0	0.000434	2132.94922	2422.94824
2294.0	0.000434	2131.90210	2408.46216
2297.0	0.000434	2130.85522	2395.66309
2280.0	0.000434	2129.80884	2384.36890
2337.0	0.000434	2128.76318	2374.41382
2299.0	0.000434	2127.71826	2367.06250
2249.0	0.000453	2126.67383	2359.37427
2254.0	0.000453	2125.62988	2352.63647
2182.0	0.000453	2124.58667	2361.05713
2285.0	0.000434	2123.54443	2356.16016
2176.0	0.000453	2122.50244	2351.97729
2267.0	0.000434	2121.46118	2348.45874
2278.0	0.000434	2120.42041	2345.56421
2233.0	0.000453	2119.38037	2343.26587
2232.0	0.000453	2118.34106	2341.54492
2323.0	0.000434	2117.30225	2340.39307
2267.0	0.000434	2116.26416	2339.81104
2258.0	0.000434	2115.22656	2339.80933
2236.0	0.000453	2114.18994	2340.40625
2199.0	0.000453	2113.15356	2341.63086
2311.0	0.000434	2112.11792	2343.52344
2262.0	0.000434	2111.08301	2346.13452
2223.0	0.000453	2110.04858	2349.53027

2269.0	0.000434	2109.01489	2353.78857
2221.0	0.000453	2107.98169	2359.01099
2274.0	0.000434	2106.94946	2365.31934
2293.0	0.000434	2105.91772	2372.86182
2301.0	0.000434	2104.88672	2381.82104
2230.0	0.000453	2103.85620	2392.41846
2322.0	0.000434	2102.82617	2404.92969
2327.0	0.000434	2101.79712	2419.69287
2266.0	0.000434	2100.76855	2437.13135
2307.0	0.000434	2099.74072	2457.78735
2350.0	0.000434	2098.71338	2482.37354
2345.0	0.000434	2097.68701	2511.85791
2429.0	0.000416	2096.66089	2547.60547
2404.0	0.000416	2095.63574	2591.58740
2440.0	0.000416	2094.61108	2646.69287
2514.0	0.000400	2093.58691	2717.12744
2567.0	0.000384	2092.56372	2808.87134
2653.0	0.000370	2091.54126	2930.09961
2791.0	0.000356	2090.51904	3091.39209
2892.0	0.0003429	2089.49780	3305.51538
3109.0	0.0003189	2088.47705	3586.54297
3429.0	0.0002873	2087.45703	3948.16748
3793.0	0.0002601	2086.43799	4401.18945
4375.0	0.0002296	2085.41919	4950.24170
5014.0	0.0001984	2084.40112	5589.69629
5926.0	0.0001687	2083.38379	6298.22217
7043.0	0.0001417	2082.36694	7031.23340
8008.0	0.0001262	2081.35107	7712.95215
8499.0	0.0001181	2080.33569	8237.85352
8820.0	0.0001132	2079.32104	8499.05566
8320.0	0.0001208	2078.30713	8442.85449
7564.0	0.0001321	2077.29370	8104.23340
6781.0	0.0001487	2076.28101	7582.53857
6059.0	0.0001644	2075.26904	6985.93652
5780.0	0.0001731	2074.25781	6396.63477
5374.0	0.0001877	2073.24707	5862.71484
5318.0	0.0001877	2072.23730	5409.00537
4945.0	0.0002041	2071.22803	5042.62695
4845.0	0.0002041	2070.21948	4759.49512
4794.0	0.0002100	2069.21143	4548.66211
4452.0	0.0002228	2068.20435	4395.77979
4380.0	0.0002296	2067.19775	4285.80078
4345.0	0.0002296	2066.19189	4202.15918
4241.0	0.0002367	2065.18677	4138.78857
4109.0	0.0002441	2064.18213	4084.03882
4088.0	0.0002441	2063.17847	4031.55688
3734.0	0.0002687	2062.17529	3977.15112
3788.0	0.0002601	2061.17285	3918.32446
3602.0	0.0002778	2060.17114	3853.01758
3498.0	0.0002873	2059.17017	3782.52173
3527.0	0.0002873	2058.16968	3706.28198
3443.0	0.0002873	2057.17017	3624.98364
3496.0	0.0002873	2056.17114	3539.58081
3353.0	0.0002973	2055.17310	3451.19067

3400.0	0.0002973	2054.17529	3361.01733
3441.0	0.0002873	2053.17847	3270.28296
3438.0	0.0002873	2052.18237	3180.17822
3405.0	0.0002973	2051.18677	3100.50269
3439.0	0.0002873	2050.19189	3015.02515
3388.0	0.0002973	2049.19775	2933.18994
3393.0	0.0002973	2048.20435	2855.72778
3149.0	0.0003189	2047.21191	2783.21802
3150.0	0.0003189	2046.21985	2716.07715
2973.0	0.0003306	2045.22852	2654.57324
2774.0	0.000356	2044.23792	2598.82837
2751.0	0.000370	2043.24805	2548.83765
2617.0	0.000384	2042.25879	2504.48242
2557.0	0.000384	2041.27039	2465.55151
2545.0	0.000400	2040.28259	2431.76172
2429.0	0.000416	2039.29553	2402.77368
2495.0	0.000400	2038.30933	2378.21240
2366.0	0.000416	2037.32373	2361.34766
2360.0	0.000416	2036.33875	2344.55396
2320.0	0.000434	2035.35449	2331.00830
2285.0	0.000434	2034.37097	2320.33813
2354.0	0.000416	2033.38818	2312.19702
2293.0	0.000434	2032.40601	2306.26978
2261.0	0.000434	2031.42468	2302.27832
2290.0	0.000434	2030.44421	2299.98022
2247.0	0.000453	2029.46423	2299.17188
2327.0	0.000434	2028.48499	2299.68579
2307.0	0.000434	2027.50647	2301.39014
2341.0	0.000434	2026.52869	2304.18066
2314.0	0.000434	2025.55151	2307.98633
2244.0	0.000453	2024.57520	2312.75952
2299.0	0.000434	2023.59949	2318.47583
2283.0	0.000434	2022.62488	2325.13330
2345.0	0.000434	2021.65063	2332.74756
2311.0	0.000434	2020.67712	2341.35498
2273.0	0.000434	2019.70435	2351.00806
2305.0	0.000434	2018.73230	2361.77930
2417.0	0.000416	2017.76099	2373.75928
2356.0	0.000416	2016.79041	2387.05957
2468.0	0.000400	2015.82056	2401.81372
2413.0	0.000416	2014.85144	2418.18140
2452.0	0.000400	2013.88318	2436.35229
2402.0	0.000416	2012.91553	2456.54907
2469.0	0.000400	2011.94861	2479.03931
2485.0	0.000400	2010.98230	2504.13989
2537.0	0.000400	2010.01685	2532.23291
2574.0	0.000384	2009.05212	2563.78369
2597.0	0.000384	2008.08801	2599.36523
2653.0	0.000370	2007.12476	2639.70190
2751.0	0.000370	2006.16235	2685.72266
2772.0	0.000356	2005.20056	2738.65674
2874.0	0.0003429	2004.23950	2800.15479
2921.0	0.0003429	2003.27905	2872.47412
3047.0	0.0003306	2002.31946	2958.71582

3249.0	0.0003078	2001.36047	3060.34082
3306.0	0.0002973	2000.40234	3188.64526
3508.0	0.0002873	1999.44495	3348.35327
3591.0	0.0002778	1998.48840	3549.04419
3898.0	0.0002601	1997.53247	3802.42285
4219.0	0.0002367	1996.57727	4122.09424
4546.0	0.0002228	1995.62280	4522.93311
5008.0	0.0001984	1994.66907	5019.96826
5591.0	0.0001778	1993.71606	5626.75293
6141.0	0.0001644	1992.76392	6353.16943
6993.0	0.0001417	1991.81250	7202.49707
7824.0	0.0001291	1990.86169	8167.29883
8706.0	0.0001156	1989.91174	9223.33301
9766.0	0.0001020	1988.96240	10321.00000
10725.0	0.0000925	1988.01392	11376.28809
11418.0	0.0000873	1987.06616	12269.21484
11931.0	0.0000842	1986.11914	12863.79883
12198.0	0.0000826	1985.17285	13055.61816
12532.0	0.0000797	1984.22729	12823.19434
12001.0	0.0000826	1983.28247	12239.89551
11007.0	0.0000907	1982.33862	11434.75098
10420.0	0.0000961	1981.39526	10538.24902
9337.0	0.0001063	1980.45276	9649.91211
8499.0	0.0001181	1979.51099	8832.33398
7837.0	0.0001262	1978.56995	8118.45654
7041.0	0.0001417	1977.62952	7520.92578
6732.0	0.0001487	1976.69006	7038.92334
6205.0	0.0001602	1975.75122	6663.54688
6113.0	0.0001644	1974.81323	6380.87744
5909.0	0.0001687	1973.87598	6174.59180
5868.0	0.0001687	1972.93945	6027.88379
5703.0	0.0001731	1972.00366	5924.86719
5673.0	0.0001778	1971.06860	5851.48291
5700.0	0.0001778	1970.13428	5795.96777
5719.0	0.0001731	1969.20081	5748.97314
5685.0	0.0001778	1968.26794	5703.45752
5709.0	0.0001731	1967.33594	5654.43066
5580.0	0.0001778	1966.40479	5598.65869
5708.0	0.0001731	1965.47437	5534.35205
5618.0	0.0001778	1964.54456	5460.89258
5644.0	0.0001778	1963.61548	5378.58057
5672.0	0.0001778	1962.68726	5288.43213
5473.0	0.0001826	1961.75977	5194.27441
5550.0	0.0001826	1960.83301	5093.56104
5405.0	0.0001826	1959.90698	4990.71191
5373.0	0.0001877	1958.98206	4888.07910
5281.0	0.0001877	1958.05750	4788.07813
5208.0	0.0001929	1957.13391	4693.09180
4919.0	0.0002041	1956.21094	4605.40869
4876.0	0.0002041	1955.28870	4527.15625
4714.0	0.0002100	1954.36731	4460.24707
4874.0	0.0002041	1953.44666	4406.33301
4651.0	0.0002163	1952.52673	4366.76904
4594.0	0.0002163	1951.60779	4342.56934

4652.0	0.0002163	1950.68945	4334.37598
4496.0	0.0002228	1949.77185	4342.41943
4516.0	0.0002228	1948.85498	4366.47070
4461.0	0.0002228	1947.93896	4405.79199
4400.0	0.0002296	1947.02380	4459.07471
4409.0	0.0002296	1946.10901	4524.36328
4433.0	0.0002228	1945.19543	4598.97412
4490.0	0.0002228	1944.28223	4679.38867
4627.0	0.0002163	1943.37012	4761.16602
4597.0	0.0002163	1942.45850	4838.91797
4660.0	0.0002163	1941.54797	4906.51270
4616.0	0.0002163	1940.63782	4957.72119
4645.0	0.0002163	1939.72876	4987.36621
4742.0	0.0002100	1938.82056	4992.67969
4820.0	0.0002100	1937.91272	4974.08350
4858.0	0.0002041	1937.00610	4934.97070
5019.0	0.0001984	1936.09973	4880.70215
5040.0	0.0001984	1935.19458	4817.58643
5041.0	0.0001984	1934.28979	4752.26563
5101.0	0.0001984	1933.38623	4691.54834
5220.0	0.0001929	1932.48328	4642.49072
5231.0	0.0001929	1931.58093	4612.56934
5182.0	0.0001929	1930.67957	4609.81104
5273.0	0.0001877	1929.77869	4642.82373
5344.0	0.0001877	1928.87891	4720.65625
5505.0	0.0001826	1927.97949	4852.42725
5579.0	0.0001778	1927.08130	5046.70166
5817.0	0.0001731	1926.18347	5310.56592
5926.0	0.0001687	1925.28674	5648.39893
6343.0	0.0001562	1924.39087	6060.16504
6484.0	0.0001524	1923.49536	6538.95117
6713.0	0.0001487	1922.60095	7067.31934
6875.0	0.0001452	1921.70703	7612.44043
7228.0	0.0001384	1920.81421	8121.77246
7391.0	0.0001352	1919.92175	8524.51465
7431.0	0.0001352	1919.03052	8746.12012
7217.0	0.0001384	1918.13965	8736.14453
7262.0	0.0001384	1917.24988	8493.24316
7098.0	0.0001417	1916.36096	8065.84912
6976.0	0.0001417	1915.47241	7527.89404
6726.0	0.0001487	1914.58496	6950.59131
6327.0	0.0001562	1913.69800	6387.19971
5897.0	0.0001687	1912.81213	5871.11035
5420.0	0.0001826	1911.92664	5420.04932
5365.0	0.0001877	1911.04236	5040.97998
4954.0	0.0002041	1910.15894	4733.83252
4767.0	0.0002100	1909.27576	4494.03906
4595.0	0.0002163	1908.39380	4314.30811
4373.0	0.0002296	1907.51221	4185.93604
4188.0	0.0002367	1906.63184	4099.81152
4153.0	0.0002441	1905.75195	4047.14160
4048.0	0.0002441	1904.87292	4019.92188
3921.0	0.0002520	1903.99463	4011.18335
3833.0	0.0002601	1903.11719	4015.05103



3850.0	0.0002601	1902.24072	4026.69019
3854.0	0.0002601	1901.36450	4042.17725
3876.0	0.0002601	1900.48950	4058.36255
3934.0	0.0002520	1899.61511	4072.73169
3962.0	0.0002520	1898.74158	4083.30200
4003.0	0.0002520	1897.86865	4088.54761
3944.0	0.0002520	1896.99670	4087.34766
3937.0	0.0002520	1896.12537	4078.95752
4016.0	0.0002520	1895.25500	4063.30298
4079.0	0.0002441	1894.38550	4039.69189
4000.0	0.0002520	1893.51636	4008.68359
4052.0	0.0002441	1892.64832	3965.55298
3966.0	0.0002520	1891.78088	3921.55444
3959.0	0.0002520	1890.91443	3872.34106
4056.0	0.0002441	1890.04846	3818.97046
3947.0	0.0002520	1889.18372	3762.58301
3937.0	0.0002520	1888.31946	3704.34570
3932.0	0.0002520	1887.45593	3645.41235
3890.0	0.0002601	1886.59338	3586.87061
3783.0	0.0002601	1885.73132	3529.70605
3692.0	0.0002687	1884.87036	3474.76978
3604.0	0.0002778	1884.00989	3422.75366
3629.0	0.0002778	1883.15051	3374.18457
3537.0	0.0002873	1882.29150	3329.42456
3422.0	0.0002973	1881.43372	3288.69653
3469.0	0.0002873	1880.57654	3252.10791
3434.0	0.0002873	1879.72009	3219.68604
3382.0	0.0002973	1878.86450	3191.40332
3272.0	0.0003078	1878.00952	3167.18896
3228.0	0.0003078	1877.15564	3146.92480
3315.0	0.0002973	1876.30212	3130.41968
3184.0	0.0003189	1875.44983	3117.37256
3178.0	0.0003189	1874.59778	3107.33765
3254.0	0.0003078	1873.74707	3099.68774
3141.0	0.0003189	1872.89697	3093.60449
3056.0	0.0003306	1872.04749	3088.08521
3102.0	0.0003189	1871.19897	3081.98022
3111.0	0.0003189	1870.35095	3074.06445
3087.0	0.0003189	1869.50415	3063.13745
3093.0	0.0003189	1868.65771	3048.12988
3122.0	0.0003189	1867.81238	3028.22339
3189.0	0.0003189	1866.96777	3002.93384
3073.0	0.0003306	1866.12366	2972.15991
3009.0	0.0003306	1865.28076	2936.17432
3082.0	0.0003189	1864.43823	2895.56738
3009.0	0.0003306	1863.59680	2851.15991
2958.0	0.0003429	1862.75574	2803.89380
3009.0	0.0003306	1861.91602	2754.74170
2967.0	0.0003429	1861.07654	2704.62598
2984.0	0.0003306	1860.23828	2654.37451
2847.0	0.000356	1859.40076	2604.68750
2772.0	0.000356	1858.56372	2556.13794
2701.0	0.000370	1857.72778	2509.17310
2585.0	0.000384	1856.89221	2464.12891

2614.0	0.000384	1856.05786	2421.24731
2519.0	0.000400	1855.22400	2380.68823
2467.0	0.000400	1854.39111	2342.54736
2371.0	0.000416	1853.55884	2306.86450
2335.0	0.000434	1852.72754	2273.63818
2258.0	0.000434	1851.89709	2242.82886
2179.0	0.000453	1851.06702	2214.37036
2162.0	0.000453	1850.23816	2188.17456
2053.0	0.000494	1849.40967	2164.13330
2021.0	0.000494	1848.58240	2142.68555
1958.0	0.000517	1847.75549	2122.59106
2045.0	0.000494	1846.92969	2104.27002
2020.0	0.000494	1846.10474	2087.58496
1992.0	0.000494	1845.28015	2072.40039
1989.0	0.000494	1844.45679	2058.58350
1958.0	0.000517	1843.63379	2046.00366
1913.0	0.000517	1842.81189	2034.54089
1875.0	0.000541	1841.99048	2024.07788
1890.0	0.000541	1841.17017	2014.50879
1945.0	0.000517	1840.35034	2005.73450
1885.0	0.000541	1839.53162	1997.66602
1902.0	0.000517	1838.71362	1990.22205
1849.0	0.000541	1837.89612	1983.32971
1900.0	0.000517	1837.07971	1976.92590
1857.0	0.000541	1836.26379	1970.95251
1857.0	0.000541	1835.44897	1965.36194
1871.0	0.000541	1834.63452	1960.10828
1871.0	0.000541	1833.82129	1955.15601
1852.0	0.000541	1833.00854	1950.47144
1825.0	0.000541	1832.19678	1946.02710
1881.0	0.000541	1831.38586	1941.79761
1863.0	0.000541	1830.57544	1937.76306
1870.0	0.000541	1829.76599	1933.90503
1846.0	0.000541	1828.95703	1930.20691
1852.0	0.000541	1828.14929	1926.65637
1840.0	0.000541	1827.34192	1923.24084
1841.0	0.000541	1826.53564	1919.95032
1928.0	0.000517	1825.73022	1916.77539
1883.0	0.000541	1824.92517	1913.70691
1910.0	0.000517	1824.12134	1910.73877
1891.0	0.000541	1823.31787	1907.86450
1873.0	0.000541	1822.51550	1905.07800
1849.0	0.000541	1821.71362	1902.37341
1888.0	0.000541	1820.91284	1899.74731
1865.0	0.000541	1820.11255	1897.19348
1872.0	0.000541	1819.31323	1894.70874
1902.0	0.000517	1818.51477	1892.47327
1851.0	0.000541	1817.71680	1890.11792
1820.0	0.000541	1816.91992	1887.82214
1869.0	0.000541	1816.12341	1885.58105
1877.0	0.000541	1815.32813	1883.39380
1851.0	0.000541	1814.53333	1881.25598
1833.0	0.000541	1813.73938	1879.16650
1830.0	0.000541	1812.94617	1877.26855

1841.0	0.000541	1812.15381	1875.26941
1839.0	0.000541	1811.36243	1873.31201
1833.0	0.000541	1810.57141	1871.39368
1855.0	0.000541	1809.78149	1869.51392
1852.0	0.000541	1808.99207	1867.66980
1819.0	0.000541	1808.20374	1865.86084
1881.0	0.000541	1807.41589	1864.08447
1837.0	0.000541	1806.62903	1862.34021
1853.0	0.000541	1805.84290	1860.62634
1824.0	0.000541	1805.05750	1858.94128
1890.0	0.000541	1804.27295	1857.28503
1820.0	0.000541	1803.48901	1855.65527
1847.0	0.000541	1802.70593	1854.05164
1862.0	0.000541	1801.92358	1852.47278
1808.0	0.000541	1801.14221	1850.91821
1791.0	0.000567	1800.36133	1849.38660
1816.0	0.000541	1799.58154	1847.87744
1815.0	0.000541	1798.80237	1846.38965
1871.0	0.000541	1798.02380	1844.92236
1809.0	0.000541	1797.24622	1843.47546
1825.0	0.000541	1796.46936	1842.04785
1766.0	0.000567	1795.69324	1840.63879
1820.0	0.000541	1794.91785	1839.24768
1788.0	0.000567	1794.14343	1837.87463
1776.0	0.000567	1793.36951	1836.51807
1828.0	0.000541	1792.59668	1835.17810
1817.0	0.000541	1791.82446	1833.85437
1796.0	0.000567	1791.05298	1832.54553
1836.0	0.000541	1790.28235	1831.25195
1816.0	0.000541	1789.51233	1829.97278
1772.0	0.000567	1788.74329	1828.55310
1841.0	0.000541	1787.97473	1827.30237
1759.0	0.000567	1787.20728	1826.06555
1750.0	0.000567	1786.44043	1824.84131
1818.0	0.000541	1785.67432	1823.62964
1804.0	0.000567	1784.90918	1822.43066
1780.0	0.000567	1784.14453	1821.24353
1744.0	0.000567	1783.38086	1820.06836
1717.0	0.000595	1782.61768	1818.90417
1740.0	0.000567	1781.85559	1817.75159
1784.0	0.000567	1781.09399	1817.04272
1767.0	0.000567	1780.33350	1816.08728
1742.0	0.000567	1779.57361	1814.97192
1799.0	0.000567	1778.81433	1813.86658
1749.0	0.000567	1778.05615	1812.77148
1764.0	0.000567	1777.29834	1811.68616
1790.0	0.000567	1776.54163	1810.61084
1785.0	0.000567	1775.78540	1809.54480
1794.0	0.000567	1775.03027	1808.48865
1744.0	0.000567	1774.27551	1807.44104
1731.0	0.000567	1773.52185	1806.40308
1778.0	0.000567	1772.76904	1805.37415
1782.0	0.000567	1772.01660	1804.35352
1757.0	0.000567	1771.26526	1803.34204

1727.0	0.000567	1770.51440	1802.33875
1772.0	0.000567	1769.76453	1801.34424
1795.0	0.000567	1769.01526	1800.35815
1785.0	0.000567	1768.26697	1799.38086
1793.0	0.000567	1767.51941	1798.41113
1751.0	0.000567	1766.77234	1797.44983
1729.0	0.000567	1766.02637	1796.49683
1742.0	0.000567	1765.28076	1795.55151
1790.0	0.000567	1764.53638	1794.61487
1794.0	0.000567	1763.79236	1793.68555
1801.0	0.000567	1763.04944	1792.76489
1768.0	0.000567	1762.30688	1791.85156
1816.0	0.000541	1761.56543	1790.94678
1889.0	0.000541	1760.82483	1790.04993
1774.0	0.000567	1760.08459	1789.16113
1757.0	0.000567	1759.34546	1788.28040
1771.0	0.000567	1758.60669	1787.40735
1818.0	0.000541	1757.86914	1786.89294
1707.0	0.000595	1757.13196	1786.04541
1760.0	0.000567	1756.39587	1785.20728
1762.0	0.000567	1755.66016	1784.37769
1765.0	0.000567	1754.92554	1783.55725
1743.0	0.000567	1754.19177	1782.74609
1764.0	0.000567	1753.45837	1781.94421
1792.0	0.000567	1752.72607	1781.15161
1799.0	0.000567	1751.99426	1780.36877
1760.0	0.000567	1751.26331	1779.82422
1762.0	0.000567	1750.53308	1779.06458
1759.0	0.000567	1749.80371	1778.31567
1808.0	0.000541	1749.07520	1777.57727
1726.0	0.000567	1748.34705	1776.85083
1786.0	0.000567	1747.62012	1776.13647
1767.0	0.000567	1746.89355	1775.43420
1764.0	0.000567	1746.16797	1774.74524
1775.0	0.000567	1745.44287	1774.07031
1717.0	0.000595	1744.71887	1773.41052
1731.0	0.000567	1743.99536	1772.76697
1735.0	0.000567	1743.27283	1772.14038
1796.0	0.000567	1742.55103	1771.53296
1773.0	0.000567	1741.82971	1770.94592
1790.0	0.000567	1741.10938	1770.38171
1732.0	0.000567	1740.38965	1769.84351
1784.0	0.000567	1739.67090	1769.33423
1761.0	0.000567	1738.95264	1768.85767
1780.0	0.000567	1738.23535	1768.41919
1803.0	0.000567	1737.51855	1768.02356
1793.0	0.000567	1736.80273	1767.67871
1687.0	0.000595	1736.08777	1767.39319
1650.0	0.000595	1735.37317	1767.17566
1686.0	0.000595	1734.65967	1767.03967
1747.0	0.000567	1733.94653	1766.99817
1752.0	0.000567	1733.23462	1767.06873
1755.0	0.000567	1732.52295	1767.27026
1670.0	0.000595	1731.81250	1767.62671

1680.0	0.000595	1731.10266	1768.16394
1701.0	0.000595	1730.39331	1768.91406
1795.0	0.000567	1729.68506	1769.91455
1753.0	0.000567	1728.97717	1771.20947
1770.0	0.000567	1728.27039	1772.85229
1779.0	0.000567	1727.56396	1774.90784
1716.0	0.000595	1726.85864	1777.45764
1710.0	0.000595	1726.15381	1780.60071
1703.0	0.000595	1725.44995	1784.46545
1777.0	0.000567	1724.74695	1789.20642
1641.0	0.000595	1724.04419	1795.01245
1791.0	0.000567	1723.34265	1802.10596
1714.0	0.000595	1722.64136	1810.73376
1744.0	0.000567	1721.94128	1821.15613
1799.0	0.000567	1721.24158	1833.62158
1758.0	0.000567	1720.54297	1848.33594
1767.0	0.000567	1719.84473	1865.42175
1858.0	0.000541	1719.14758	1884.86963
1866.0	0.000541	1718.45117	1906.67297
1963.0	0.000517	1717.75513	1929.94421
2007.0	0.000494	1717.06018	1953.98779
1997.0	0.000494	1716.36572	1973.47070
2031.0	0.000494	1715.67212	1994.39319
1920.0	0.000517	1714.97913	2010.78613
2031.0	0.000494	1714.28711	2021.23596
1942.0	0.000517	1713.59583	2025.60229
1962.0	0.000517	1712.90491	2025.03442
2005.0	0.000494	1712.21509	2021.32825
1946.0	0.000517	1711.52576	2016.18921
1968.0	0.000517	1710.83740	2010.85925
2073.0	0.000473	1710.14954	2006.08130
1969.0	0.000517	1709.46252	2002.21033
1912.0	0.000517	1708.77612	1999.33032
2009.0	0.000494	1708.09070	1997.35120
2013.0	0.000494	1707.40601	1996.07190
2028.0	0.000494	1706.72180	1995.23499
2032.0	0.000494	1706.03857	1994.57031
2063.0	0.000494	1705.35571	1993.94324
1950.0	0.000517	1704.67395	1992.91235
2080.0	0.000473	1703.99268	1991.44165
1981.0	0.000494	1703.31226	1989.44287
2030.0	0.000494	1702.63232	1986.88513
2060.0	0.000494	1701.95361	1983.79004
2040.0	0.000494	1701.27539	1980.22424
2057.0	0.000494	1700.59766	1976.28528
1963.0	0.000517	1699.92090	1972.09851
1976.0	0.000517	1699.24475	1967.80273
1967.0	0.000517	1698.56946	1963.54651
2002.0	0.000494	1697.89465	1959.48267
1977.0	0.000517	1697.22083	1955.76318
1987.0	0.000494	1696.54785	1952.53479
2061.0	0.000494	1695.87524	1949.93628
1979.0	0.000517	1695.20349	1948.09790
1954.0	0.000517	1694.53235	1947.13855

2073.0	0.000473	1693.86218	1947.16541
2050.0	0.000494	1693.19250	1948.27271
2073.0	0.000473	1692.52368	1950.54382
2015.0	0.000494	1691.85535	1954.05249
2036.0	0.000494	1691.18811	1958.86621
2069.0	0.000494	1690.52148	1965.04871
2091.0	0.000473	1689.85535	1972.66357
2020.0	0.000494	1689.19019	1981.77502
2153.0	0.000473	1688.52551	1992.44507
2130.0	0.000473	1687.86182	2004.71631
2025.0	0.000494	1687.19849	2018.58154
2036.0	0.000494	1686.53613	2033.93127
2115.0	0.000473	1685.87439	2053.34790
2104.0	0.000473	1685.21350	2070.57739
2044.0	0.000494	1684.55334	2087.55933
2070.0	0.000494	1683.89368	2103.05273
1977.0	0.000517	1683.23499	2115.54712
2034.0	0.000494	1682.57666	2123.42505
2079.0	0.000473	1681.91931	2125.21143
1977.0	0.000517	1681.26245	2119.93579
1998.0	0.000494	1680.60657	2107.58228
1994.0	0.000494	1679.95154	2089.31763
2041.0	0.000494	1679.29675	2067.19287
1890.0	0.000541	1678.64294	2043.46008
1945.0	0.000517	1677.98975	2019.99792
1831.0	0.000541	1677.33740	1998.09924
1920.0	0.000517	1676.68555	1978.51331
1848.0	0.000541	1676.03455	1961.58630
1848.0	0.000541	1675.38416	1947.38110
1881.0	0.000541	1674.73462	1935.77222
1809.0	0.000541	1674.08582	1926.51038
1845.0	0.000541	1673.43750	1919.27759
1918.0	0.000517	1672.79004	1913.16833
1940.0	0.000517	1672.14319	1908.96045
1780.0	0.000567	1671.49707	1905.77832
1878.0	0.000541	1670.85168	1903.35291
1951.0	0.000517	1670.20703	1901.46509
1923.0	0.000517	1669.56299	1899.94849
1957.0	0.000517	1668.91980	1898.68665
1970.0	0.000517	1668.27734	1897.60645
1902.0	0.000517	1667.63525	1896.67163
1950.0	0.000517	1666.99414	1895.88013
1948.0	0.000517	1666.35364	1895.25110
2015.0	0.000494	1665.71399	1894.82507
1947.0	0.000517	1665.07471	1894.65442
2000.0	0.000494	1664.43640	1894.80322
2026.0	0.000494	1663.79883	1895.33838
1938.0	0.000517	1663.16174	1891.37769
1932.0	0.000517	1662.52551	1892.91895
1985.0	0.000494	1661.88977	1895.03992
1932.0	0.000517	1661.25500	1897.79053
2025.0	0.000494	1660.62061	1901.20654
2062.0	0.000494	1659.98718	1905.30615
1939.0	0.000517	1659.35425	1910.08557

1925.0	0.000517	1658.72217	1915.51563
1882.0	0.000541	1658.09082	1921.53687
1938.0	0.000517	1657.45996	1928.05530
1876.0	0.000541	1656.83008	1934.93933
1929.0	0.000517	1656.20056	1942.25232
1924.0	0.000517	1655.57202	1949.31067
2018.0	0.000494	1654.94385	1956.09070
1948.0	0.000517	1654.31665	1962.30554
1849.0	0.000541	1653.68994	1967.64868
1929.0	0.000517	1653.06409	1971.81201
1941.0	0.000517	1652.43896	1974.51050
1941.0	0.000517	1651.81433	1975.50647
2030.0	0.000494	1651.19055	1974.63330
1901.0	0.000517	1650.56714	1971.81592
1903.0	0.000517	1649.94482	1967.07031
1929.0	0.000517	1649.32288	1960.51123
1922.0	0.000517	1648.70190	1952.33179
1923.0	0.000517	1648.08154	1942.78284
1949.0	0.000517	1647.46167	1932.14941
1922.0	0.000517	1646.84265	1920.73035
1923.0	0.000517	1646.22412	1908.81689
1871.0	0.000541	1645.60657	1896.68262
1869.0	0.000541	1644.98938	1884.57581
1858.0	0.000541	1644.37317	1872.71814
1868.0	0.000541	1643.75732	1861.30701
1848.0	0.000541	1643.14246	1850.51978
1848.0	0.000541	1642.52820	1840.51880
1826.0	0.000541	1641.91443	1831.45605
1850.0	0.000541	1641.30164	1823.47888
1844.0	0.000541	1640.68921	1816.73047
1865.0	0.000541	1640.07764	1812.24402
1934.0	0.000517	1639.46655	1808.37842
1918.0	0.000517	1638.85645	1806.14832
1876.0	0.000541	1638.24670	1805.66626
1866.0	0.000541	1637.63794	1807.01990
1898.0	0.000517	1637.02966	1810.25757
1856.0	0.000541	1636.42212	1815.36707
1838.0	0.000541	1635.81531	1822.24658
1937.0	0.000517	1635.20886	1830.66138
1861.0	0.000541	1634.60339	1840.18433
1871.0	0.000541	1633.99841	1850.13269
1917.0	0.000517	1633.39429	1859.53015
1926.0	0.000517	1632.79089	1867.15747
1893.0	0.000517	1632.18787	1871.74854
1958.0	0.000517	1631.58569	1873.66333
1868.0	0.000541	1630.98401	1869.94226
1876.0	0.000541	1630.38330	1862.31030
1891.0	0.000541	1629.78296	1851.78943
1895.0	0.000517	1629.18347	1839.64563
1828.0	0.000541	1628.58447	1827.06165
1893.0	0.000517	1627.98633	1814.96021
1976.0	0.000517	1627.38892	1804.80566
1794.0	0.000567	1626.79187	1795.32373
1850.0	0.000541	1626.19580	1787.53455

1801.0	0.000567	1625.60010	1781.50745
1790.0	0.000567	1625.00525	1777.22742
1780.0	0.000567	1624.41089	1774.62146
1761.0	0.000567	1623.81738	1773.58130
1714.0	0.000595	1623.22437	1773.97412
1805.0	0.000567	1622.63208	1775.65637
1742.0	0.000567	1622.04065	1778.48230
1762.0	0.000567	1621.44958	1782.30615
1726.0	0.000567	1620.85938	1786.99280
1727.0	0.000567	1620.26953	1792.41492
1794.0	0.000567	1619.68066	1798.45996
1783.0	0.000567	1619.09229	1805.02637
1756.0	0.000567	1618.50464	1812.02747
1891.0	0.000541	1617.91772	1819.39160
1783.0	0.000567	1617.33118	1827.06262
1749.0	0.000567	1616.74561	1835.00208
1863.0	0.000541	1616.16040	1843.19189
1829.0	0.000541	1615.57605	1851.64063
1880.0	0.000541	1614.99219	1860.38708
1840.0	0.000541	1614.40918	1869.51135
1927.0	0.000517	1613.82654	1879.14453
1893.0	0.000517	1613.24475	1889.48608
1879.0	0.000541	1612.66382	1900.82178
1982.0	0.000494	1612.08313	1913.54565
1941.0	0.000517	1611.50330	1928.18762
1910.0	0.000517	1610.92395	1945.43835
1953.0	0.000517	1610.34546	1966.17651
2078.0	0.000473	1609.76746	1991.48096
2064.0	0.000494	1609.19019	2022.63904
2124.0	0.000473	1608.61340	2061.12500
2132.0	0.000473	1608.03760	2108.55664
2321.0	0.000434	1607.46228	2166.61792
2233.0	0.000453	1606.88745	2236.94263
2326.0	0.000434	1606.31348	2320.96973
2488.0	0.000400	1605.73987	2419.74219
2589.0	0.000384	1605.16711	2533.66455
2696.0	0.000370	1604.59485	2662.15747
2831.0	0.000356	1604.02344	2803.17578
2946.0	0.0003429	1603.45264	2952.53906
3186.0	0.0003189	1602.88232	3103.14917
3275.0	0.0003078	1602.31274	3244.44434
3278.0	0.0003078	1601.74365	3362.89307
3329.0	0.0002973	1601.17542	3444.42529
3523.0	0.0002873	1600.60767	3478.74365
3525.0	0.0002873	1600.04065	3463.44702
3491.0	0.0002873	1599.47412	3405.06201
3414.0	0.0002973	1598.90845	3317.12427
3307.0	0.0002973	1598.34326	3211.67822
3088.0	0.0003189	1597.77869	3101.64233
2992.0	0.0003306	1597.21484	2995.54883
3024.0	0.0003306	1596.65149	2898.67065
2806.0	0.000356	1596.08887	2813.75854
2752.0	0.000370	1595.52673	2741.78955
2711.0	0.000370	1594.96545	2682.54517



2633.0	0.000384	1594.40454	2635.34155
2618.0	0.000384	1593.84460	2598.03320
2469.0	0.000400	1593.28516	2569.16846
2516.0	0.000400	1592.72620	2546.88208
2403.0	0.000416	1592.16809	2529.35083
2414.0	0.000416	1591.61023	2514.90015
2433.0	0.000416	1591.05334	2502.06714
2401.0	0.000416	1590.49695	2489.63672
2393.0	0.000416	1589.94116	2476.65527
2418.0	0.000416	1589.38623	2462.41895
2355.0	0.000416	1588.83154	2446.45288
2404.0	0.000416	1588.27783	2428.48340
2397.0	0.000416	1587.72437	2408.40649
2362.0	0.000416	1587.17188	2386.25635
2356.0	0.000416	1586.61975	2362.17651
2403.0	0.000416	1586.06836	2336.46533
2343.0	0.000434	1585.51746	2309.27979
2392.0	0.000416	1584.96741	2281.02173
2336.0	0.000434	1584.41797	2252.05737
2282.0	0.000434	1583.86890	2222.76343
2264.0	0.000434	1583.32068	2193.51978
2243.0	0.000453	1582.77283	2164.69775
2198.0	0.000453	1582.22583	2136.65015
2243.0	0.000453	1581.67932	2109.70605
2242.0	0.000453	1581.13342	2084.16113
2203.0	0.000453	1580.58813	2060.27319
2218.0	0.000453	1580.04358	2038.26038
2085.0	0.000473	1579.49963	2018.29407
2144.0	0.000473	1578.95618	2000.49915
2101.0	0.000473	1578.41333	1984.95154
2040.0	0.000494	1577.87109	1971.67749
2028.0	0.000494	1577.32959	1960.65308
2044.0	0.000494	1576.78845	1951.80212
1996.0	0.000494	1576.24817	1944.99963
1967.0	0.000517	1575.70850	1940.06812
2020.0	0.000494	1575.16919	1937.59351
1943.0	0.000517	1574.63074	1935.68640
1945.0	0.000517	1574.09277	1934.82874
1897.0	0.000517	1573.55542	1934.78979
1910.0	0.000517	1573.01855	1934.93726
1917.0	0.000517	1572.48254	1934.99927
1951.0	0.000517	1571.94690	1934.58948
1865.0	0.000541	1571.41211	1933.35437
1942.0	0.000517	1570.87781	1931.14880
1964.0	0.000517	1570.34399	1927.44177
1891.0	0.000541	1569.81091	1922.25476
1936.0	0.000517	1569.27832	1915.55273
1921.0	0.000517	1568.74646	1907.39172
1890.0	0.000541	1568.21509	1897.90674
1879.0	0.000541	1567.68433	1887.28955
1829.0	0.000541	1567.15405	1875.77148
1829.0	0.000541	1566.62463	1863.59802
1894.0	0.000517	1566.09583	1851.01282
1794.0	0.000567	1565.56738	1838.24500

1852.0	0.000541	1565.03967	1825.50232
1870.0	0.000541	1564.51245	1812.96582
1789.0	0.000567	1563.98584	1800.79443
1758.0	0.000567	1563.45984	1789.12000
1765.0	0.000567	1562.93445	1778.05774
1677.0	0.000595	1562.40979	1767.71008
1744.0	0.000567	1561.88550	1758.16882
1761.0	0.000567	1561.36194	1749.52539
1739.0	0.000567	1560.83887	1741.87646
1743.0	0.000567	1560.31641	1735.33350
1703.0	0.000595	1559.79456	1730.02722
1787.0	0.000567	1559.27332	1726.12024
1721.0	0.000595	1558.75256	1723.81152
1750.0	0.000567	1558.23254	1723.34485
1709.0	0.000595	1557.71313	1725.00830
1718.0	0.000595	1557.19409	1729.13086
1696.0	0.000595	1556.67590	1736.07556
1751.0	0.000567	1556.15796	1746.21826
1795.0	0.000567	1555.64087	1759.92151
1790.0	0.000567	1555.12427	1777.49707
1819.0	0.000541	1554.60828	1799.16272
1863.0	0.000541	1554.09277	1824.97534
1874.0	0.000541	1553.57800	1854.75464
1897.0	0.000517	1553.06384	1887.96069
1877.0	0.000541	1552.55005	1923.53503
1892.0	0.000541	1552.03699	1959.69751
1935.0	0.000517	1551.52441	1993.78918
1908.0	0.000517	1551.01245	2022.32288
1938.0	0.000517	1550.50098	2041.48950
1957.0	0.000517	1549.99023	2048.17432
1951.0	0.000517	1549.48022	2041.10400
1913.0	0.000517	1548.97046	2021.38562
1935.0	0.000517	1548.46143	1992.20081
1868.0	0.000541	1547.95288	1956.98816
1868.0	0.000541	1547.44495	1919.42505
1828.0	0.000541	1546.93750	1882.20483
1819.0	0.000541	1546.43079	1847.13354
1751.0	0.000567	1545.92444	1815.27869
1738.0	0.000567	1545.41895	1787.17212
1695.0	0.000595	1544.91394	1762.97534
1737.0	0.000567	1544.40930	1743.70227
1763.0	0.000567	1543.90540	1726.90637
1675.0	0.000595	1543.40198	1713.31738
1657.0	0.000595	1542.89929	1702.52271
1745.0	0.000567	1542.39685	1694.09082
1674.0	0.000595	1541.89539	1687.60413
1682.0	0.000595	1541.39404	1682.67383
1674.0	0.000595	1540.89368	1678.95813
1618.0	0.000625	1540.39380	1676.16064
1741.0	0.000567	1539.89417	1674.03503
1654.0	0.000595	1539.39551	1672.38098
1647.0	0.000595	1538.89709	1671.03564
1675.0	0.000595	1538.39941	1669.87207
1697.0	0.000595	1537.90210	1668.78979

1668.0	0.000595	1537.40564	1667.71228
1694.0	0.000595	1536.90967	1666.58105
1667.0	0.000595	1536.41406	1665.35449
1648.0	0.000595	1535.91919	1664.00476
1659.0	0.000595	1535.42468	1662.51404
1641.0	0.000595	1534.93103	1660.87756
1669.0	0.000595	1534.43762	1659.09814
1692.0	0.000595	1533.94495	1657.18835
1668.0	0.000595	1533.45276	1655.16577
1676.0	0.000595	1532.96118	1653.05591
1669.0	0.000595	1532.47034	1650.88770
1654.0	0.000595	1531.97961	1648.69482
1675.0	0.000595	1531.48987	1646.51428
1680.0	0.000595	1531.00037	1644.80115
1647.0	0.000595	1530.51160	1642.77246
1672.0	0.000595	1530.02319	1640.87366
1632.0	0.000625	1529.53564	1639.14551
1621.0	0.000625	1529.04834	1637.62439
1615.0	0.000625	1528.56177	1636.34741
1657.0	0.000595	1528.07581	1635.50684
1613.0	0.000625	1527.59009	1634.82239
1587.0	0.000625	1527.10522	1634.47400
1631.0	0.000625	1526.62061	1634.48547
1658.0	0.000595	1526.13684	1634.87683
1632.0	0.000625	1525.65332	1635.66309
1607.0	0.000625	1525.17065	1636.85730
1691.0	0.000595	1524.68848	1638.46631
1604.0	0.000625	1524.20667	1640.49182
1575.0	0.000625	1523.72559	1642.93372
1700.0	0.000595	1523.24487	1645.78455
1700.0	0.000595	1522.76477	1649.37024
1629.0	0.000625	1522.28516	1653.00977
1654.0	0.000595	1521.80615	1657.01074
1720.0	0.000595	1521.32764	1661.34778
1674.0	0.000595	1520.84973	1665.99438
1688.0	0.000595	1520.37244	1670.92139
1634.0	0.000625	1519.89551	1676.10303
1631.0	0.000625	1519.41919	1681.52356
1650.0	0.000595	1518.94336	1687.18091
1690.0	0.000595	1518.46814	1693.09802
1709.0	0.000595	1517.99329	1699.33130
1717.0	0.000595	1517.51929	1705.98511
1733.0	0.000567	1517.04553	1713.21912
1703.0	0.000595	1516.57251	1721.25952
1734.0	0.000567	1516.09998	1730.40771
1722.0	0.000595	1515.62781	1741.04395
1731.0	0.000567	1515.15637	1754.79541
1815.0	0.000541	1514.68530	1769.88818
1813.0	0.000541	1514.21497	1788.08264
1807.0	0.000541	1513.74487	1810.04993
1919.0	0.000517	1513.27551	1836.50293
1924.0	0.000517	1512.80676	1868.17004
1903.0	0.000517	1512.33838	1905.85596
2001.0	0.000494	1511.87061	1949.99707

2004.0	0.000494	1511.40320	2001.24036
2063.0	0.000494	1510.93652	2059.70410
2145.0	0.000473	1510.47009	2125.28906
2201.0	0.000453	1510.00452	2197.23682
2205.0	0.000453	1509.53931	2273.95435
2202.0	0.000453	1509.07471	2352.73975
2175.0	0.000453	1508.61060	2429.75244
2354.0	0.000416	1508.14685	2500.21143
2349.0	0.000434	1507.68384	2559.08569
2353.0	0.000416	1507.22119	2602.07104
2457.0	0.000400	1506.75916	2626.38550
2439.0	0.000416	1506.29761	2630.97705
2470.0	0.000400	1505.83655	2616.22754
2395.0	0.000416	1505.37598	2583.67041
2457.0	0.000400	1504.91614	2536.00781
2369.0	0.000416	1504.45679	2477.11938
2267.0	0.000434	1503.99768	2411.62939
2310.0	0.000434	1503.53931	2344.11890
2242.0	0.000453	1503.08130	2278.39624
2180.0	0.000453	1502.62402	2217.17456
2207.0	0.000453	1502.16699	2161.55444
2145.0	0.000473	1501.71069	2113.39648
2074.0	0.000473	1501.25488	2072.32007
2101.0	0.000473	1500.79944	2038.06616
2001.0	0.000494	1500.34473	2010.10962
1951.0	0.000517	1499.89038	1988.07922
1997.0	0.000494	1499.43652	1970.58313
1975.0	0.000517	1498.98315	1957.14807
1948.0	0.000517	1498.53040	1947.01392
2021.0	0.000494	1498.07813	1939.48157
1973.0	0.000517	1497.62634	1933.92871
1920.0	0.000517	1497.17517	1929.82324
1926.0	0.000517	1496.72437	1926.72119
1979.0	0.000517	1496.27417	1924.20325
1906.0	0.000517	1495.82422	1922.11682
1866.0	0.000541	1495.37512	1920.18616
1911.0	0.000517	1494.92627	1918.25122
1946.0	0.000517	1494.47815	1916.20117
1846.0	0.000541	1494.03027	1913.95593
1895.0	0.000517	1493.58313	1911.46753
1932.0	0.000517	1493.13647	1908.70593
1905.0	0.000517	1492.69019	1905.66040
1890.0	0.000541	1492.24451	1902.33557
2004.0	0.000494	1491.79919	1898.74634
1885.0	0.000541	1491.35461	1894.92358
1891.0	0.000541	1490.91028	1890.90503
1912.0	0.000517	1490.46667	1886.74585
1980.0	0.000517	1490.02344	1882.51782
1843.0	0.000541	1489.58069	1878.30957
1959.0	0.000517	1489.13855	1874.23425
1839.0	0.000541	1488.69666	1870.43689
1856.0	0.000541	1488.25549	1867.09985
1871.0	0.000541	1487.81470	1864.45679
1867.0	0.000541	1487.37451	1862.80212

1874.0	0.000541	1486.93469	1862.50696
1909.0	0.000517	1486.49536	1864.03101
1871.0	0.000541	1486.05676	1867.93396
1958.0	0.000517	1485.61841	1874.87744
1972.0	0.000517	1485.18066	1885.61804
1860.0	0.000541	1484.74329	1900.98279
2011.0	0.000494	1484.30652	1921.82874
1936.0	0.000517	1483.87012	1948.97986
2028.0	0.000494	1483.43433	1983.14612
2046.0	0.000494	1482.99890	2024.81763
2023.0	0.000494	1482.56421	2074.14697
2076.0	0.000473	1482.12988	2130.76978
2268.0	0.000434	1481.69592	2193.60620
2247.0	0.000453	1481.26270	2260.55225
2199.0	0.000453	1480.82971	2328.13232
2368.0	0.000416	1480.39734	2392.05811
2516.0	0.000400	1479.96521	2444.44922
2426.0	0.000416	1479.53381	2479.67432
2467.0	0.000400	1479.10303	2493.38428
2444.0	0.000416	1478.67249	2485.11523
2375.0	0.000416	1478.24255	2458.49634
2359.0	0.000416	1477.81299	2419.63770
2323.0	0.000434	1477.38391	2374.97461
2252.0	0.000453	1476.95532	2329.80396
2244.0	0.000453	1476.52734	2287.81787
2147.0	0.000473	1476.09961	2251.25122
2136.0	0.000473	1475.67261	2221.21558
2034.0	0.000494	1475.24609	2198.00879
2080.0	0.000473	1474.81982	2181.34814
2138.0	0.000473	1474.39417	2170.54565
2100.0	0.000473	1473.96887	2164.63892
2097.0	0.000473	1473.54419	2162.52051
2151.0	0.000473	1473.11987	2163.03857
2126.0	0.000473	1472.69617	2165.08789
2180.0	0.000453	1472.27283	2167.68384
2139.0	0.000473	1471.85010	2170.02393
2028.0	0.000494	1471.42773	2171.51978
2068.0	0.000494	1471.00586	2171.81299
2190.0	0.000453	1470.58447	2170.76636
2146.0	0.000473	1470.16345	2168.43579
2234.0	0.000453	1469.74316	2165.02734
2253.0	0.000453	1469.32300	2160.83691
2238.0	0.000453	1468.90356	2156.18677
2228.0	0.000453	1468.48450	2151.34521
2205.0	0.000453	1468.06592	2146.44873
2236.0	0.000453	1467.64783	2141.42261
2175.0	0.000453	1467.23010	2135.91870
2242.0	0.000453	1466.81299	2129.32568
2189.0	0.000453	1466.39612	2120.89307
2198.0	0.000453	1465.97998	2110.00000
2285.0	0.000434	1465.56409	2096.45264
2234.0	0.000453	1465.14893	2080.65015
2122.0	0.000473	1464.73413	2063.49756
2140.0	0.000473	1464.31970	2046.12952

2150.0	0.000473	1463.90576	2029.63538
2079.0	0.000473	1463.49219	2014.89343
2162.0	0.000453	1463.07935	2002.54053
2055.0	0.000494	1462.66675	1993.01355
1983.0	0.000494	1462.25476	1986.61755
1995.0	0.000494	1461.84302	1983.67078
2070.0	0.000494	1461.43188	1984.22705
2090.0	0.000473	1461.02124	1988.61536
2055.0	0.000494	1460.61084	1997.13306
2207.0	0.000453	1460.20117	2010.14478
2063.0	0.000494	1459.79187	2028.08032
2143.0	0.000473	1459.38306	2051.41284
2130.0	0.000473	1458.97449	2080.61792
2124.0	0.000473	1458.56665	2116.11865
2148.0	0.000473	1458.15930	2160.51978
2200.0	0.000453	1457.75208	2209.20288
2165.0	0.000453	1457.34558	2264.86523
2165.0	0.000453	1456.93933	2325.10474
2285.0	0.000434	1456.53381	2388.90796
2391.0	0.000416	1456.12854	2453.37329
2448.0	0.000416	1455.72375	2514.16602
2339.0	0.000434	1455.31934	2565.58887
2511.0	0.000400	1454.91553	2601.40552
2463.0	0.000400	1454.51221	2616.60034
2444.0	0.000416	1454.10913	2609.36523
2412.0	0.000416	1453.70667	2581.97925
2338.0	0.000434	1453.30457	2539.85083
2273.0	0.000434	1452.90295	2489.47241
2253.0	0.000453	1452.50183	2436.61694
2229.0	0.000453	1452.10107	2385.44312
2224.0	0.000453	1451.70081	2338.36255
2222.0	0.000453	1451.30103	2296.23022
2172.0	0.000453	1450.90161	2258.62939
2156.0	0.000473	1450.50269	2224.21460
2221.0	0.000453	1450.10425	2191.15405
2234.0	0.000453	1449.70605	2157.69482
2177.0	0.000453	1449.30859	2122.71338
2207.0	0.000453	1448.91138	2086.00562
2105.0	0.000473	1448.51465	2048.21948
2030.0	0.000494	1448.11841	2010.48315
2138.0	0.000473	1447.72253	1973.99866
2054.0	0.000494	1447.32727	1939.76416
2039.0	0.000494	1446.93225	1908.46606
1940.0	0.000517	1446.53784	1880.49072
1911.0	0.000517	1446.14368	1855.98840
1904.0	0.000517	1445.75012	1834.94153
1812.0	0.000541	1445.35681	1817.21252
1864.0	0.000541	1444.96411	1802.58142
1847.0	0.000541	1444.57190	1790.76953
1758.0	0.000567	1444.17993	1781.45386
1745.0	0.000567	1443.78857	1774.28259
1798.0	0.000567	1443.39746	1768.88342
1780.0	0.000567	1443.00696	1764.87866
1731.0	0.000567	1442.61670	1761.89050

1819.0	0.000541	1442.22717	1759.55774
1835.0	0.000541	1441.83777	1757.54236
1730.0	0.000567	1441.44910	1755.54431
1714.0	0.000595	1441.06067	1753.31055
1788.0	0.000567	1440.67261	1750.63940
1746.0	0.000567	1440.28528	1747.39282
1701.0	0.000595	1439.89807	1743.48767
1723.0	0.000567	1439.51147	1738.89905
1661.0	0.000595	1439.12512	1733.65759
1704.0	0.000595	1438.73938	1727.80298
1744.0	0.000567	1438.35413	1721.42786
1680.0	0.000595	1437.96899	1714.62732
1692.0	0.000595	1437.58459	1707.50098
1683.0	0.000595	1437.20044	1700.14294
1721.0	0.000595	1436.81677	1692.64160
1746.0	0.000567	1436.43359	1685.07166
1641.0	0.000595	1436.05078	1678.92505
1681.0	0.000595	1435.66833	1671.42639
1720.0	0.000595	1435.28638	1664.03723
1640.0	0.000595	1434.90503	1656.80835
1647.0	0.000595	1434.52380	1649.78650
1688.0	0.000595	1434.14319	1643.47327
1625.0	0.000625	1433.76282	1637.01477
1667.0	0.000595	1433.38306	1630.98718
1695.0	0.000595	1433.00366	1625.38940
1667.0	0.000595	1432.62463	1620.09058
1580.0	0.000625	1432.24609	1615.24487
1558.0	0.000657	1431.86792	1610.87781
1559.0	0.000657	1431.49023	1607.00745
1592.0	0.000625	1431.11292	1603.64258
1572.0	0.000625	1430.73608	1601.25696
1521.0	0.000657	1430.35962	1598.90613
1678.0	0.000595	1429.98364	1597.04395
1647.0	0.000595	1429.60791	1595.64954
1602.0	0.000625	1429.23279	1594.69373
1560.0	0.000625	1428.85803	1594.14111
1488.0	0.000657	1428.48352	1593.94458
1572.0	0.000625	1428.10962	1594.05457
1599.0	0.000625	1427.73608	1594.40881
1542.0	0.000657	1427.36304	1594.93994
1564.0	0.000625	1426.99023	1595.57263
1597.0	0.000625	1426.61804	1596.22742
1575.0	0.000625	1426.24597	1596.82239
1552.0	0.000657	1425.87463	1597.27856
1606.0	0.000625	1425.50366	1597.52136
1593.0	0.000625	1425.13293	1597.48682
1626.0	0.000625	1424.76282	1597.12817
1541.0	0.000657	1424.39294	1596.41675
1596.0	0.000625	1424.02356	1595.34521
1582.0	0.000625	1423.65454	1593.92859
1525.0	0.000657	1423.28601	1592.20178
1632.0	0.000625	1422.91772	1590.21692
1555.0	0.000657	1422.55005	1588.03870
1577.0	0.000625	1422.18274	1585.74060

1594.0	0.000625	1421.81567	1583.16211
1589.0	0.000625	1421.44922	1580.86646
1662.0	0.000595	1421.08301	1578.68445
1559.0	0.000657	1420.71741	1576.69141
1576.0	0.000625	1420.35205	1574.95691
1579.0	0.000625	1419.98718	1573.55139
1661.0	0.000595	1419.62280	1572.54309
1551.0	0.000657	1419.25854	1572.00366
1604.0	0.000625	1418.89490	1572.00854
1664.0	0.000595	1418.53162	1572.64612
1609.0	0.000625	1418.16882	1574.01550
1640.0	0.000595	1417.80627	1576.23975
1653.0	0.000595	1417.44421	1579.46912
1633.0	0.000625	1417.08252	1583.88892
1667.0	0.000595	1416.72119	1589.72522
1656.0	0.000595	1416.36047	1597.25537
1721.0	0.000595	1416.00000	1606.80774
1644.0	0.000595	1415.63989	1618.76660
1672.0	0.000595	1415.28015	1636.46204
1662.0	0.000595	1414.92102	1654.61633
1712.0	0.000595	1414.56201	1676.58826
1683.0	0.000595	1414.20361	1702.88867
1827.0	0.000541	1413.84546	1734.00427
1782.0	0.000567	1413.48792	1770.36719
1770.0	0.000567	1413.13074	1812.31433
1860.0	0.000541	1412.77380	1860.02759
1861.0	0.000541	1412.41736	1913.45569
1923.0	0.000517	1412.06116	1972.19653
1902.0	0.000517	1411.70557	2035.34033
1951.0	0.000517	1411.35022	2101.30396
1973.0	0.000517	1410.99536	2167.75903
2071.0	0.000473	1410.64099	2231.81836
2091.0	0.000473	1410.28674	2290.67700
2149.0	0.000473	1409.93311	2342.61938
2202.0	0.000453	1409.57971	2387.97754
2226.0	0.000453	1409.22693	2429.38330
2310.0	0.000434	1408.87427	2471.09033
2349.0	0.000434	1408.52222	2517.70264
2514.0	0.000400	1408.17041	2572.95093
2648.0	0.000384	1407.81909	2638.85010
2794.0	0.000356	1407.46826	2715.18921
2840.0	0.000356	1407.11755	2799.14624
2971.0	0.0003306	1406.76746	2884.94897
3087.0	0.0003189	1406.41760	2963.82056
3209.0	0.0003078	1406.06824	3024.82153
3248.0	0.0003078	1405.71912	3057.14038
3238.0	0.0003078	1405.37061	3053.51318
3173.0	0.0003189	1405.02234	3013.04199
3079.0	0.0003306	1404.67456	2941.44092
2955.0	0.0003429	1404.32715	2848.57227
2768.0	0.000356	1403.97998	2745.06494
2654.0	0.000370	1403.63342	2639.92017
2551.0	0.000384	1403.28699	2539.62671
2422.0	0.000416	1402.94116	2448.30469



2369.0	0.000416	1402.59558	2368.21729
2356.0	0.000416	1402.25049	2300.28662
2268.0	0.000434	1401.90576	2244.49048
2244.0	0.000453	1401.56128	2200.15259
2244.0	0.000453	1401.21741	2166.16162
2185.0	0.000453	1400.87366	2141.13989
2148.0	0.000473	1400.53052	2123.59424
2103.0	0.000473	1400.18762	2112.01855
2151.0	0.000473	1399.84521	2104.98828
2193.0	0.000453	1399.50305	2101.21338
2142.0	0.000473	1399.16138	2099.57324
2206.0	0.000453	1398.82019	2099.12573
2096.0	0.000473	1398.47913	2099.10352
2110.0	0.000473	1398.13867	2098.90015
2099.0	0.000473	1397.79846	2098.05249
2076.0	0.000473	1397.45862	2096.22095
2120.0	0.000473	1397.11926	2093.16821
2064.0	0.000494	1396.78015	2088.74829
2055.0	0.000494	1396.44153	2082.88574
2009.0	0.000494	1396.10327	2075.56982
2132.0	0.000473	1395.76538	2066.84155
1993.0	0.000494	1395.42786	2056.78687
2020.0	0.000494	1395.09070	2045.52600
2023.0	0.000494	1394.75391	2033.20984
2014.0	0.000494	1394.41748	2020.01294
1966.0	0.000517	1394.08142	2006.12646
1963.0	0.000517	1393.74585	1991.75000
1955.0	0.000517	1393.41064	1977.09229
1928.0	0.000517	1393.07568	1962.36047
1896.0	0.000517	1392.74121	1947.75647
1895.0	0.000517	1392.40698	1933.47266
1958.0	0.000517	1392.07324	1919.68652
1916.0	0.000517	1391.73975	1906.55774
1847.0	0.000541	1391.40674	1894.22107
1874.0	0.000541	1391.07397	1882.78503
1922.0	0.000517	1390.74182	1873.33337
1881.0	0.000541	1390.40991	1863.91724
1880.0	0.000541	1390.07837	1855.52942
1907.0	0.000517	1389.74719	1848.21265
1902.0	0.000517	1389.41626	1841.74158
1863.0	0.000541	1389.08594	1836.09277
1855.0	0.000541	1388.75574	1831.15759
1898.0	0.000517	1388.42615	1826.84961
1873.0	0.000541	1388.09668	1823.10791
1940.0	0.000517	1387.76782	1819.89355
1881.0	0.000541	1387.43933	1817.16504
1890.0	0.000541	1387.11096	1814.86292
1922.0	0.000517	1386.78320	1812.90833
1888.0	0.000541	1386.45557	1811.20215
1870.0	0.000541	1386.12854	1809.63245
1857.0	0.000541	1385.80176	1807.73718
1847.0	0.000541	1385.47534	1806.09521
1805.0	0.000567	1385.14941	1804.24744
1822.0	0.000541	1384.82361	1802.09436

1749.0	0.000567	1384.49841	1799.55408
1739.0	0.000567	1384.17334	1796.56482
1738.0	0.000567	1383.84888	1793.09351
1711.0	0.000595	1383.52454	1789.13354
1740.0	0.000567	1383.20081	1784.71533
1712.0	0.000595	1382.87720	1779.90039
1732.0	0.000567	1382.55420	1774.78845
1700.0	0.000595	1382.23145	1769.51111
1695.0	0.000595	1381.90894	1764.23450
1720.0	0.000595	1381.58691	1759.15808
1823.0	0.000541	1381.26526	1754.51392
1711.0	0.000595	1380.94397	1750.56543
1768.0	0.000567	1380.62292	1747.61279
1790.0	0.000567	1380.30237	1745.99146
1754.0	0.000567	1379.98206	1746.07727
1773.0	0.000567	1379.66223	1748.28491
1851.0	0.000541	1379.34277	1753.07288
1841.0	0.000541	1379.02356	1760.93689
1848.0	0.000541	1378.70483	1772.40686
1809.0	0.000541	1378.38635	1788.03650
1835.0	0.000541	1378.06824	1808.45715
1958.0	0.000517	1377.75049	1834.07910
1918.0	0.000517	1377.43323	1865.48096
1922.0	0.000517	1377.11621	1903.09863
1915.0	0.000517	1376.79944	1947.25159
1969.0	0.000517	1376.48328	1998.07874
2009.0	0.000494	1376.16724	2055.45752
2024.0	0.000494	1375.85168	2118.88574
2056.0	0.000494	1375.53638	2187.31787
2142.0	0.000473	1375.22156	2258.99170
2181.0	0.000453	1374.90698	2331.27271
2149.0	0.000473	1374.59290	2400.67725
2333.0	0.000434	1374.27905	2463.22070
2317.0	0.000434	1373.96545	2515.20654
2331.0	0.000434	1373.65247	2554.35132
2378.0	0.000416	1373.33960	2580.77563
2459.0	0.000400	1373.02722	2597.35059
2505.0	0.000400	1372.71509	2609.14624
2677.0	0.000370	1372.40344	2622.29053
2648.0	0.000384	1372.09204	2642.76929
2707.0	0.000370	1371.78113	2675.55322
2754.0	0.000370	1371.47058	2724.13916
2838.0	0.000356	1371.16016	2790.33179
2923.0	0.0003429	1370.85022	2874.11328
2908.0	0.0003429	1370.54053	2973.44995
3052.0	0.0003306	1370.23132	3084.00830
3031.0	0.0003306	1369.92236	3198.82666
3075.0	0.0003306	1369.61389	3308.15747
3096.0	0.0003189	1369.30579	3399.87622
3122.0	0.0003189	1368.99780	3461.01343
3071.0	0.0003306	1368.69031	3480.62012
3148.0	0.0003189	1368.38318	3453.22314
3076.0	0.0003306	1368.07642	3380.94897
2935.0	0.0003429	1367.76978	3272.78174

2937.0	0.0003429	1367.46375	3141.37231
2825.0	0.000356	1367.15796	2999.44238
2686.0	0.000370	1366.85254	2857.47949
2589.0	0.000384	1366.54749	2723.00366
2501.0	0.000400	1366.24268	2600.81763
2434.0	0.000416	1365.93835	2493.62256
2399.0	0.000416	1365.63428	2402.58374
2301.0	0.000434	1365.33057	2327.77734
2188.0	0.000453	1365.02722	2268.51294
2303.0	0.000434	1364.72424	2223.57129
2205.0	0.000453	1364.42139	2191.40894
2168.0	0.000453	1364.11914	2170.31177
2162.0	0.000473	1363.81726	2158.51807
2212.0	0.000453	1363.51550	2154.88989
2151.0	0.000473	1363.21423	2156.70947
2100.0	0.000473	1362.91321	2163.10840
2061.0	0.000494	1362.61267	2172.83057
2116.0	0.000473	1362.31238	2184.79028
2149.0	0.000473	1362.01245	2198.06421
2167.0	0.000453	1361.71289	2211.86426
2121.0	0.000473	1361.41357	2225.52441
2119.0	0.000473	1361.11475	2238.47656
2202.0	0.000453	1360.81616	2250.23877
2243.0	0.000453	1360.51794	2260.40088
2146.0	0.000473	1360.21997	2268.61841
2229.0	0.000453	1359.92249	2274.60791
2188.0	0.000453	1359.62512	2278.13672
2183.0	0.000453	1359.32837	2279.04126
2232.0	0.000453	1359.03186	2277.20386
2214.0	0.000453	1358.73560	2272.56543
2206.0	0.000453	1358.43982	2265.12085
2275.0	0.000434	1358.14417	2254.91992
2296.0	0.000434	1357.84912	2242.05786
2177.0	0.000453	1357.55420	2226.67993
2235.0	0.000453	1357.25977	2208.96875
2259.0	0.000434	1356.96545	2189.14355
2234.0	0.000453	1356.67175	2167.45288
2124.0	0.000473	1356.37830	2144.16895
2128.0	0.000473	1356.08496	2119.58130
2206.0	0.000453	1355.79224	2093.99194
2083.0	0.000473	1355.49963	2068.25342
2065.0	0.000494	1355.20752	2041.59302
2067.0	0.000494	1354.91565	2014.85242
2015.0	0.000494	1354.62427	1988.47461
2028.0	0.000494	1354.33313	1961.48157
2033.0	0.000494	1354.04224	1936.23315
1943.0	0.000517	1353.75183	1912.00061
2013.0	0.000494	1353.46155	1889.00684
2099.0	0.000473	1353.17188	1867.45129
1984.0	0.000494	1352.88220	1847.50696
2030.0	0.000494	1352.59314	1829.45105
1958.0	0.000517	1352.30432	1813.12732
1953.0	0.000517	1352.01575	1798.75244
2017.0	0.000494	1351.72766	1786.37854

1946.0	0.000517	1351.43982	1776.02722
1872.0	0.000541	1351.15234	1767.69043
1972.0	0.000517	1350.86511	1761.33008
2052.0	0.000494	1350.57837	1756.87976
1964.0	0.000517	1350.29175	1754.24878
1939.0	0.000517	1350.00562	1753.31775
1940.0	0.000517	1349.71973	1753.94861
1981.0	0.000494	1349.43433	1756.05054
2027.0	0.000494	1349.14917	1759.29517
1983.0	0.000494	1348.86426	1763.55042
1916.0	0.000517	1348.57971	1768.59485
1982.0	0.000494	1348.29553	1774.18762
1924.0	0.000517	1348.01160	1780.06775
1863.0	0.000541	1347.72815	1785.95886
1920.0	0.000517	1347.44495	1791.57117
1847.0	0.000541	1347.16211	1796.60559
1897.0	0.000517	1346.87952	1800.76270
1910.0	0.000517	1346.59729	1803.75574
1845.0	0.000541	1346.31531	1805.32483
1809.0	0.000541	1346.03381	1805.49170
1818.0	0.000541	1345.75244	1803.86853
1736.0	0.000567	1345.47156	1800.07141
1718.0	0.000595	1345.19092	1794.33032
1724.0	0.000567	1344.91077	1786.68835
1761.0	0.000567	1344.63086	1777.25439
1696.0	0.000595	1344.35120	1766.19360
1783.0	0.000567	1344.07190	1753.71277
1670.0	0.000595	1343.79285	1739.89233
1623.0	0.000625	1343.51428	1725.28613
1557.0	0.000657	1343.23584	1709.98035
1625.0	0.000625	1342.95801	1694.20825
1558.0	0.000657	1342.68018	1678.17834
1529.0	0.000657	1342.40295	1662.07983
1614.0	0.000625	1342.12585	1646.07471
1511.0	0.000657	1341.84924	1630.29944
1602.0	0.000625	1341.57288	1614.86731
1553.0	0.000657	1341.29675	1600.00781
1441.0	0.000693	1341.02100	1585.51880
1563.0	0.000625	1340.74561	1571.59131
1513.0	0.000657	1340.47058	1558.26563
1446.0	0.000693	1340.19580	1545.56958
1551.0	0.000657	1339.92126	1533.52063
1450.0	0.000693	1339.64722	1522.12708
1462.0	0.000693	1339.37341	1511.39075
1435.0	0.000693	1339.09998	1501.30566
1444.0	0.000693	1338.82678	1491.85974
1500.0	0.000657	1338.55396	1483.04077
1460.0	0.000693	1338.28137	1474.82788
1452.0	0.000693	1338.00928	1467.20129
1413.0	0.000693	1337.73743	1460.13757
1450.0	0.000693	1337.46582	1453.61084
1496.0	0.000657	1337.19470	1447.59558
1359.0	0.000730	1336.92371	1442.06482
1448.0	0.000693	1336.65308	1436.99341

1389.0	0.000730	1336.38281	1432.35303
1432.0	0.000693	1336.11292	1428.12085
1435.0	0.000693	1335.84314	1424.27124
1464.0	0.000693	1335.57397	1420.78235
1397.0	0.000730	1335.30493	1417.63135
1423.0	0.000693	1335.03625	1414.80103
1367.0	0.000730	1334.76794	1412.27429
1384.0	0.000730	1334.49988	1410.03564
1416.0	0.000693	1334.23218	1408.07495
1387.0	0.000730	1333.96460	1406.38257
1374.0	0.000730	1333.69763	1404.95239
1379.0	0.000730	1333.43091	1403.78186
1430.0	0.000693	1333.16443	1402.87366
1432.0	0.000693	1332.89832	1402.23242
1387.0	0.000730	1332.63245	1401.55444
1291.0	0.000772	1332.36694	1401.88635
1401.0	0.000730	1332.10168	1402.12756
1361.0	0.000730	1331.83691	1402.70300
1328.0	0.000772	1331.57227	1403.64380
1407.0	0.000693	1331.30811	1404.98669
1421.0	0.000693	1331.04419	1406.83057
1288.0	0.000772	1330.78052	1409.12012
1377.0	0.000730	1330.51721	1411.97229
1430.0	0.000693	1330.25427	1415.46033
1351.0	0.000730	1329.99158	1419.67261
1448.0	0.000693	1329.72925	1424.71497
1357.0	0.000730	1329.46716	1430.71667
1388.0	0.000730	1329.20544	1437.83105
1392.0	0.000730	1328.94397	1446.10913
1488.0	0.000657	1328.68298	1456.02576
1383.0	0.000730	1328.42212	1467.68433
1442.0	0.000693	1328.16174	1481.50977
1439.0	0.000693	1327.90149	1497.39929
1465.0	0.000693	1327.64172	1515.74341
1459.0	0.000693	1327.38208	1536.71472
1535.0	0.000657	1327.12292	1560.42102
1588.0	0.000625	1326.86401	1586.90137
1537.0	0.000657	1326.60535	1616.12402
1695.0	0.000595	1326.34717	1647.95215
1755.0	0.000567	1326.08911	1682.06714
1815.0	0.000541	1325.83154	1717.84192
1895.0	0.000517	1325.57410	1754.15698
1932.0	0.000517	1325.31714	1789.24280
2022.0	0.000494	1325.06042	1820.63904
2005.0	0.000494	1324.80396	1845.46130
1984.0	0.000494	1324.54797	1861.07910
1877.0	0.000541	1324.29211	1866.02673
1875.0	0.000541	1324.03662	1860.62317
1848.0	0.000541	1323.78137	1846.84106
1814.0	0.000541	1323.52661	1827.54211
1782.0	0.000567	1323.27197	1805.60559
1650.0	0.000595	1323.01782	1783.40674
1680.0	0.000595	1322.76379	1762.66455
1695.0	0.000595	1322.51025	1744.51904

1664.0	0.000595	1322.25696	1729.67383
1656.0	0.000595	1322.00391	1718.52161
1568.0	0.000625	1321.75134	1710.86499
1633.0	0.000625	1321.49890	1707.52600
1671.0	0.000595	1321.24683	1708.09326
1633.0	0.000625	1320.99500	1712.49890
1590.0	0.000625	1320.74353	1720.66150
1623.0	0.000625	1320.49243	1732.48889
1754.0	0.000567	1320.24158	1747.86865
1676.0	0.000595	1319.99109	1766.64270
1819.0	0.000541	1319.74084	1788.56360
1844.0	0.000541	1319.49097	1813.23853
1933.0	0.000517	1319.24133	1840.04602
2055.0	0.000494	1318.99207	1868.15149
2121.0	0.000473	1318.74292	1895.89697
2118.0	0.000473	1318.49438	1921.41040
2135.0	0.000473	1318.24597	1942.15015
2054.0	0.000494	1317.99792	1955.34546
2087.0	0.000473	1317.75012	1958.67078
2006.0	0.000494	1317.50269	1951.08228
1962.0	0.000517	1317.25562	1933.17395
1892.0	0.000541	1317.00867	1907.04114
1772.0	0.000567	1316.76221	1875.42651
1677.0	0.000595	1316.51587	1840.98083
1756.0	0.000567	1316.27002	1805.83643
1778.0	0.000567	1316.02441	1771.51257
1828.0	0.000541	1315.77905	1738.99341
1678.0	0.000595	1315.53406	1708.85144
1717.0	0.000595	1315.28931	1681.35632
1645.0	0.000595	1315.04504	1656.55676
1738.0	0.000567	1314.80078	1634.34546
1576.0	0.000625	1314.55713	1614.51038
1667.0	0.000595	1314.31360	1596.77844
1714.0	0.000595	1314.07043	1580.85205
1602.0	0.000625	1313.82751	1566.43591
1576.0	0.000625	1313.58496	1553.26135
1552.0	0.000657	1313.34277	1541.09607
1561.0	0.000625	1313.10071	1529.74854
1450.0	0.000693	1312.85913	1519.07214
1504.0	0.000657	1312.61768	1508.95630
1506.0	0.000657	1312.37671	1499.32703
1501.0	0.000657	1312.13599	1490.13599
1452.0	0.000693	1311.89551	1481.35718
1475.0	0.000693	1311.65540	1472.98267
1478.0	0.000693	1311.41553	1465.01636
1429.0	0.000693	1311.17603	1457.47363
1453.0	0.000693	1310.93677	1450.37805
1497.0	0.000657	1310.69788	1443.76050
1350.0	0.000730	1310.45923	1437.65881
1391.0	0.000730	1310.22095	1432.11890
1391.0	0.000730	1309.98291	1427.18799
1456.0	0.000693	1309.74524	1422.91992
1423.0	0.000693	1309.50781	1419.36902
1348.0	0.000730	1309.27063	1416.59167

1426.0	0.000693	1309.03394	1414.63855
1456.0	0.000693	1308.79736	1413.55383
1446.0	0.000693	1308.56116	1413.36938
1441.0	0.000693	1308.32532	1414.09912
1464.0	0.000693	1308.08972	1415.73145
1464.0	0.000693	1307.85437	1418.21729
1479.0	0.000693	1307.61938	1421.45703
1435.0	0.000693	1307.38477	1425.27942
1418.0	0.000693	1307.15027	1429.42505
1393.0	0.000730	1306.91626	1433.52686
1366.0	0.000730	1306.68237	1437.12012
1413.0	0.000693	1306.44897	1439.69153
1424.0	0.000693	1306.21582	1440.77600
1353.0	0.000730	1305.98291	1440.09167
1384.0	0.000730	1305.75037	1437.61719
1397.0	0.000730	1305.51794	1433.62488
1350.0	0.000730	1305.28601	1428.59229
1413.0	0.000693	1305.05432	1423.07776
1364.0	0.000730	1304.82300	1417.61926
1372.0	0.000730	1304.59180	1412.67725
1354.0	0.000730	1304.36108	1408.62292
1398.0	0.000730	1304.13062	1405.75256
1419.0	0.000693	1303.90039	1404.30298
1478.0	0.000693	1303.67053	1404.47168
1368.0	0.000730	1303.44092	1406.42407
1314.0	0.000772	1303.21167	1410.29773
1411.0	0.000693	1302.98267	1416.19714
1431.0	0.000693	1302.75403	1424.18689
1412.0	0.000693	1302.52563	1434.33057
1470.0	0.000693	1302.29749	1446.46899
1482.0	0.000693	1302.06982	1460.61841
1499.0	0.000657	1301.84229	1476.25146
1453.0	0.000693	1301.61511	1493.01978
1473.0	0.000693	1301.38818	1512.44604
1532.0	0.000657	1301.16162	1529.10876
1463.0	0.000693	1300.93530	1543.93921
1451.0	0.000693	1300.70935	1555.52893
1489.0	0.000657	1300.48364	1562.61377
1498.0	0.000657	1300.25818	1564.44238
1446.0	0.000693	1300.03320	1561.03284
1484.0	0.000657	1299.80823	1553.15710
1500.0	0.000657	1299.58386	1542.06421
1468.0	0.000693	1299.35962	1529.11169
1445.0	0.000693	1299.13574	1515.49280
1443.0	0.000693	1298.91211	1502.11450
1457.0	0.000693	1298.68872	1489.59619
1478.0	0.000693	1298.46582	1478.31824
1428.0	0.000693	1298.24304	1468.47864
1426.0	0.000693	1298.02063	1460.14661
1446.0	0.000693	1297.79846	1453.29712
1392.0	0.000730	1297.57666	1447.83984
1426.0	0.000693	1297.35522	1443.64136
1451.0	0.000693	1297.13391	1440.54077
1394.0	0.000730	1296.91309	1438.36719

1428.0	0.000693	1296.69238	1436.94995
1400.0	0.000730	1296.47205	1436.04346
1403.0	0.000730	1296.25195	1435.67126
1409.0	0.000693	1296.03223	1435.62402
1452.0	0.000693	1295.81274	1435.79883
1463.0	0.000693	1295.59363	1436.11719
1447.0	0.000693	1295.37476	1436.57129
1425.0	0.000693	1295.15625	1437.02759
1462.0	0.000693	1294.93799	1437.51978
1468.0	0.000693	1294.71997	1438.05249
1429.0	0.000693	1294.50232	1438.64783
1517.0	0.000657	1294.28503	1439.25037
1461.0	0.000693	1294.06787	1440.11194
1514.0	0.000657	1293.85107	1441.18860
1502.0	0.000657	1293.63464	1442.61768
1508.0	0.000657	1293.41846	1444.48413
1410.0	0.000693	1293.20251	1446.91077
1505.0	0.000657	1292.98706	1450.02026
1504.0	0.000657	1292.77173	1453.97974
1441.0	0.000693	1292.55676	1458.92810
1476.0	0.000693	1292.34192	1465.01331
1495.0	0.000657	1292.12756	1472.37744
1471.0	0.000693	1291.91345	1481.14746
1498.0	0.000657	1291.69958	1491.42065
1520.0	0.000657	1291.48621	1503.25513
1510.0	0.000657	1291.27283	1516.64685
1550.0	0.000657	1291.05994	1531.50391
1587.0	0.000625	1290.84729	1547.61304
1505.0	0.000657	1290.63501	1564.59241
1535.0	0.000657	1290.42285	1581.86072
1549.0	0.000657	1290.21118	1598.61572
1567.0	0.000625	1289.99963	1614.57727
1563.0	0.000625	1289.78857	1627.29468
1641.0	0.000595	1289.57776	1636.39917
1600.0	0.000625	1289.36707	1641.61121
1578.0	0.000625	1289.15686	1642.72205
1593.0	0.000625	1288.94678	1640.17834
1579.0	0.000625	1288.73718	1634.82043
1616.0	0.000625	1288.52771	1627.68420
1623.0	0.000625	1288.31860	1619.82092
1601.0	0.000625	1288.10986	1612.16089
1633.0	0.000625	1287.90137	1605.48828
1606.0	0.000625	1287.69312	1600.13623
1609.0	0.000625	1287.48511	1596.34021
1590.0	0.000625	1287.27759	1593.97498
1607.0	0.000625	1287.07019	1592.61755
1552.0	0.000657	1286.86316	1591.57227
1594.0	0.000625	1286.65637	1589.95703
1631.0	0.000625	1286.44995	1586.87415
1621.0	0.000625	1286.24390	1581.64600
1577.0	0.000625	1286.03796	1574.02014
1558.0	0.000657	1285.83240	1564.23706
1571.0	0.000625	1285.62708	1552.89722
1567.0	0.000625	1285.42212	1540.76428



1553.0	0.000657	1285.21741	1528.55505
1588.0	0.000625	1285.01306	1516.83972
1549.0	0.000657	1284.80896	1506.01074
1526.0	0.000657	1284.60510	1496.30762
1550.0	0.000657	1284.40161	1487.85046
1536.0	0.000657	1284.19836	1480.67285
1529.0	0.000657	1283.99548	1474.74695
1457.0	0.000693	1283.79285	1470.00061
1497.0	0.000657	1283.59058	1466.33203
1445.0	0.000693	1283.38843	1463.62158
1450.0	0.000693	1283.18677	1461.73743
1432.0	0.000693	1282.98523	1460.54614
1391.0	0.000730	1282.78406	1459.92041
1421.0	0.000693	1282.58325	1459.73584
1481.0	0.000693	1282.38257	1459.88416
1483.0	0.000657	1282.18237	1460.26782
1465.0	0.000693	1281.98230	1460.80359
1446.0	0.000693	1281.78271	1461.42297
1396.0	0.000730	1281.58325	1462.06860
1420.0	0.000693	1281.38416	1462.69897
1430.0	0.000693	1281.18530	1463.28125
1405.0	0.000730	1280.98682	1463.79456
1430.0	0.000693	1280.78857	1464.22632
1463.0	0.000693	1280.59058	1464.57446
1473.0	0.000693	1280.39294	1464.84045
1465.0	0.000693	1280.19556	1465.03491
1424.0	0.000693	1279.99854	1465.17200
1442.0	0.000693	1279.80176	1465.26892
1479.0	0.000693	1279.60535	1465.34424
1453.0	0.000693	1279.40918	1465.41467
1446.0	0.000693	1279.21326	1465.49207
1493.0	0.000657	1279.01770	1465.58044
1486.0	0.000657	1278.82227	1465.67529
1515.0	0.000657	1278.62732	1465.76843
1498.0	0.000657	1278.43262	1465.85608
1477.0	0.000693	1278.23816	1465.95581
1477.0	0.000693	1278.04395	1466.12268
1479.0	0.000693	1277.85022	1466.45593
1499.0	0.000657	1277.65662	1467.09827
1515.0	0.000657	1277.46338	1468.22266
1467.0	0.000693	1277.27039	1470.01904
1537.0	0.000657	1277.07776	1472.69287
1490.0	0.000657	1276.88538	1476.46350
1471.0	0.000693	1276.69324	1481.57898
1493.0	0.000657	1276.50146	1488.32898
1562.0	0.000625	1276.31006	1497.06445
1515.0	0.000657	1276.11877	1508.21643
1551.0	0.000657	1275.92786	1522.31482
1550.0	0.000657	1275.73718	1540.00208
1550.0	0.000657	1275.54688	1562.04004
1634.0	0.000625	1275.35681	1589.30493
1644.0	0.000595	1275.16711	1622.76636
1663.0	0.000595	1274.97766	1663.44727
1700.0	0.000595	1274.78845	1712.36047

1766.0	0.000567	1274.59961	1770.42456
1795.0	0.000567	1274.41101	1838.36206
1941.0	0.000517	1274.22278	1916.56921
2096.0	0.000473	1274.03467	2004.97119
2182.0	0.000453	1273.84705	2102.83691
2365.0	0.000416	1273.65967	2208.53467
2506.0	0.000400	1273.47253	2319.22046
2662.0	0.000370	1273.28564	2430.68701
2712.0	0.000370	1273.09912	2536.19360
2755.0	0.000370	1272.91296	2627.87207
2824.0	0.000356	1272.72693	2696.78540
2747.0	0.000370	1272.54126	2735.11938
2632.0	0.000384	1272.35596	2738.62793
2522.0	0.000400	1272.17090	2708.20557
2464.0	0.000400	1271.98608	2649.50488
2340.0	0.000434	1271.80164	2570.87402
2242.0	0.000453	1271.61743	2480.95972
2157.0	0.000473	1271.43347	2387.10010
2075.0	0.000473	1271.24988	2294.67212
2103.0	0.000473	1271.06653	2207.50977
2033.0	0.000494	1270.88354	2127.76758
1945.0	0.000517	1270.70068	2056.60083
1966.0	0.000517	1270.51831	1994.37866
1955.0	0.000517	1270.33618	1940.89844
1896.0	0.000517	1270.15430	1895.38672
1920.0	0.000517	1269.97278	1857.32202
1875.0	0.000541	1269.79150	1825.53064
1842.0	0.000541	1269.61047	1798.96570
1819.0	0.000541	1269.42981	1776.61304
1765.0	0.000567	1269.24939	1756.58826
1814.0	0.000541	1269.06921	1740.01099
1803.0	0.000567	1268.88940	1725.24524
1814.0	0.000541	1268.70984	1711.98950
1708.0	0.000595	1268.53064	1699.36890
1714.0	0.000595	1268.35181	1687.31372
1646.0	0.000595	1268.17310	1675.61023
1658.0	0.000595	1267.99475	1664.11670
1667.0	0.000595	1267.81665	1652.74475
1687.0	0.000595	1267.63892	1641.44421
1616.0	0.000625	1267.46130	1630.19287
1641.0	0.000595	1267.28418	1618.98523
1588.0	0.000625	1267.10730	1607.82507
1606.0	0.000625	1266.93066	1596.72290
1560.0	0.000657	1266.75439	1585.68799
1539.0	0.000657	1266.57837	1574.72876
1547.0	0.000657	1266.40259	1563.85022
1563.0	0.000625	1266.22717	1553.05347
1541.0	0.000657	1266.05200	1542.33484
1594.0	0.000625	1265.87708	1531.69006
1563.0	0.000625	1265.70264	1521.11353
1558.0	0.000657	1265.52832	1510.60022
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1506.0	0.000657	1265.18066	1489.78430
1473.0	0.000693	1265.00720	1479.47461

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1564.0	0.000625	1264.48877	1449.21118
1508.0	0.000657	1264.31653	1439.44226
1528.0	0.000657	1264.14465	1429.89050
1468.0	0.000693	1263.97302	1420.59204
1439.0	0.000693	1263.80164	1411.58069
1406.0	0.000693	1263.63062	1402.88452
1379.0	0.000730	1263.45972	1394.52991
1366.0	0.000730	1263.28931	1386.53674
1431.0	0.000693	1263.11902	1379.11157
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1356.0	0.000730	1262.77966	1365.03149
1436.0	0.000693	1262.61023	1358.56921
1350.0	0.000730	1262.44128	1352.48608
1335.0	0.000730	1262.27246	1346.77441
1372.0	0.000730	1262.10413	1341.42078
1280.0	0.000772	1261.93591	1336.41382
1357.0	0.000730	1261.76807	1331.73730
1360.0	0.000730	1261.60046	1327.37708
1275.0	0.000772	1261.43323	1323.31531
1338.0	0.000730	1261.26636	1319.53699
1258.0	0.000816	1261.09961	1316.05420
1298.0	0.000772	1260.93323	1312.79175
1276.0	0.000772	1260.76709	1309.76184
1321.0	0.000772	1260.60132	1306.95178
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1307.0	0.000772	1260.27051	1302.65955
1278.0	0.000772	1260.10559	1300.42480
1249.0	0.000816	1259.94092	1298.35303
1237.0	0.000816	1259.77661	1296.43127
1309.0	0.000772	1259.61255	1294.64917
1242.0	0.000816	1259.44885	1292.99475
1260.0	0.000816	1259.28528	1291.45776
1305.0	0.000772	1259.12219	1290.02966
1290.0	0.000772	1258.95923	1288.70129
1302.0	0.000772	1258.79663	1287.46362
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1292.0	0.000772	1258.14917	1283.28076
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1261.0	0.000772	1257.66663	1280.78088
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1295.0	0.000772	1257.18677	1278.80701
1241.0	0.000816	1257.02734	1278.18298
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1261.0	0.000772	1256.23486	1275.48901
1326.0	0.000772	1256.07715	1275.02051

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1225.0	0.000816	1250.45068	1269.27283
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1265.0	0.000772	1250.15796	1269.48865
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1266.0	0.000772	1247.57642	1282.53308
1276.0	0.000772	1247.43579	1284.51636
1216.0	0.000816	1247.29553	1286.78772
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1364.0	0.000730	1246.18335	1324.85437
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1261.0	0.000772	1245.77112	1355.84534
1354.0	0.000730	1245.63428	1369.13538
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1425.0	0.000693	1244.95471	1451.65417
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1468.0	0.000693	1243.48535	1452.17871
1440.0	0.000693	1243.35364	1442.06250
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1445.0	0.000693	1242.69897	1410.35596
1445.0	0.000693	1242.56897	1407.68140
1363.0	0.000730	1242.43921	1405.95996
1421.0	0.000693	1242.30969	1404.98962
1447.0	0.000693	1242.18054	1404.54797
1483.0	0.000657	1242.05164	1404.39893
1414.0	0.000693	1241.92310	1404.31738
1357.0	0.000730	1241.79480	1404.11157
1412.0	0.000693	1241.66687	1403.64734
1421.0	0.000693	1241.53918	1402.87195
1464.0	0.000693	1241.41174	1401.80579
1425.0	0.000693	1241.28479	1400.47351
1455.0	0.000693	1241.15796	1399.08936
1419.0	0.000693	1241.03149	1397.71033
1347.0	0.000730	1240.90527	1396.43347
1313.0	0.000772	1240.77930	1395.34167

1369.0	0.000730	1240.65369	1394.49536
1379.0	0.000730	1240.52832	1393.94690
1379.0	0.000730	1240.40332	1393.73621
1408.0	0.000693	1240.27856	1393.89575
1412.0	0.000693	1240.15417	1394.45618
1373.0	0.000730	1240.03003	1395.44653
1383.0	0.000730	1239.90625	1396.89612
1376.0	0.000730	1239.78259	1398.83594
1319.0	0.000772	1239.65942	1401.30444
1423.0	0.000693	1239.53650	1405.23364
1414.0	0.000693	1239.41382	1408.86584
1451.0	0.000693	1239.29138	1413.12683
1429.0	0.000693	1239.16931	1418.04590
1408.0	0.000693	1239.04761	1423.64160
1406.0	0.000693	1238.92615	1429.92712
1433.0	0.000693	1238.80493	1436.91309
1451.0	0.000693	1238.68396	1444.61182
1463.0	0.000693	1238.56348	1453.04639
1423.0	0.000693	1238.44312	1462.24524
1532.0	0.000657	1238.32312	1472.22327
1438.0	0.000693	1238.20349	1482.96033
1558.0	0.000657	1238.08398	1494.36365
1547.0	0.000657	1237.96484	1506.23987
1553.0	0.000657	1237.84607	1518.27246
1540.0	0.000657	1237.72754	1530.03125
1511.0	0.000657	1237.60938	1540.87854
1557.0	0.000657	1237.49133	1550.70325
1574.0	0.000625	1237.37378	1559.71045
1544.0	0.000657	1237.25647	1567.05261
1637.0	0.000625	1237.13940	1573.87170
1632.0	0.000625	1237.02258	1581.14575
1622.0	0.000625	1236.90625	1590.00342
1534.0	0.000657	1236.79004	1601.55969
1725.0	0.000567	1236.67419	1616.77771
1664.0	0.000595	1236.55859	1636.39990
1657.0	0.000595	1236.44336	1660.90723
1767.0	0.000567	1236.32837	1690.48779
1717.0	0.000595	1236.21362	1724.99329
1829.0	0.000541	1236.09937	1763.87207
1837.0	0.000541	1235.98523	1806.34839
1889.0	0.000541	1235.87146	1850.18091
1844.0	0.000541	1235.75793	1893.20789
1864.0	0.000541	1235.64478	1932.23938
1932.0	0.000517	1235.53186	1963.58142
1879.0	0.000541	1235.41919	1983.66333
1912.0	0.000517	1235.30701	1989.94824
1799.0	0.000567	1235.19495	1981.73364
1865.0	0.000541	1235.08325	1960.37622
1801.0	0.000567	1234.97180	1928.78552
1735.0	0.000567	1234.86072	1890.52563
1597.0	0.000625	1234.74988	1849.43970
1719.0	0.000595	1234.63928	1807.40442
1739.0	0.000567	1234.52917	1766.87695
1604.0	0.000625	1234.41919	1729.19897

1673.0	0.000595	1234.30957	1695.23694
1586.0	0.000625	1234.20020	1665.27307
1610.0	0.000625	1234.09119	1640.86243
1678.0	0.000595	1233.98242	1619.13733
1634.0	0.000625	1233.87402	1601.20654
1575.0	0.000625	1233.76575	1586.70105
1615.0	0.000625	1233.65796	1575.19678
1601.0	0.000625	1233.55042	1566.39197
1602.0	0.000625	1233.44312	1559.55005
1559.0	0.000657	1233.33618	1554.40442
1580.0	0.000625	1233.22949	1550.58411
1601.0	0.000625	1233.12317	1547.77063
1600.0	0.000625	1233.01697	1545.69971
1652.0	0.000595	1232.91125	1544.15955
1594.0	0.000625	1232.80579	1542.98669
1556.0	0.000657	1232.70056	1542.06189
1569.0	0.000625	1232.59570	1541.29980
1586.0	0.000625	1232.49109	1540.64722
1585.0	0.000625	1232.38684	1540.07422
1585.0	0.000625	1232.28284	1539.57019
1598.0	0.000625	1232.17908	1539.13611
1595.0	0.000625	1232.07581	1538.78479
1578.0	0.000625	1231.97266	1538.53235
1562.0	0.000625	1231.86975	1538.40063
1554.0	0.000657	1231.76733	1538.40906
1534.0	0.000657	1231.66504	1538.57666
1521.0	0.000657	1231.56311	1538.92029
1576.0	0.000625	1231.46155	1539.44897
1545.0	0.000657	1231.36023	1540.16858
1505.0	0.000657	1231.25916	1541.07629
1560.0	0.000657	1231.15845	1542.16284
1579.0	0.000625	1231.05798	1543.41235
1567.0	0.000625	1230.95789	1544.80176
1511.0	0.000657	1230.85803	1546.30530
1575.0	0.000625	1230.75854	1547.89307
1519.0	0.000657	1230.65930	1549.53650
1574.0	0.000625	1230.56030	1551.21143
1601.0	0.000625	1230.46167	1552.90332
1541.0	0.000657	1230.36328	1554.61279
1557.0	0.000657	1230.26526	1556.35693
1521.0	0.000657	1230.16748	1558.18286
1503.0	0.000657	1230.07007	1560.16150
1602.0	0.000625	1229.97290	1562.40015
1525.0	0.000657	1229.87610	1565.04211
1601.0	0.000625	1229.77942	1568.27136
1573.0	0.000625	1229.68323	1572.30884
1614.0	0.000625	1229.58728	1577.41809
1578.0	0.000625	1229.49158	1583.89893
1608.0	0.000625	1229.39624	1592.08826
1611.0	0.000625	1229.30115	1602.35364
1602.0	0.000625	1229.20630	1615.42957
1649.0	0.000595	1229.11182	1631.01941
1637.0	0.000625	1229.01770	1649.91956
1711.0	0.000595	1228.92371	1672.49939

1730.0	0.000567	1228.83020	1699.12573
1745.0	0.000567	1228.73694	1730.10693
1755.0	0.000567	1228.64392	1765.67004
1788.0	0.000567	1228.55115	1805.91931
1804.0	0.000567	1228.45886	1850.79150
1872.0	0.000541	1228.36670	1899.98340
1886.0	0.000541	1228.27490	1952.86841
1904.0	0.000517	1228.18335	2008.38416
1977.0	0.000517	1228.09216	2064.91626
1978.0	0.000517	1228.00122	2120.20142
2024.0	0.000494	1227.91064	2171.24585
2128.0	0.000473	1227.82031	2214.80981
2148.0	0.000473	1227.73035	2247.33667
2067.0	0.000494	1227.64063	2265.88892
2142.0	0.000473	1227.55115	2268.73657
2140.0	0.000473	1227.46204	2256.68872
2169.0	0.000453	1227.37317	2229.57739
2168.0	0.000453	1227.28479	2191.12549
2159.0	0.000473	1227.19641	2144.77026
2022.0	0.000494	1227.10852	2093.91040
2028.0	0.000494	1227.02087	2041.48584
1998.0	0.000494	1226.93359	1989.78760
1967.0	0.000517	1226.84656	1940.45581
1921.0	0.000517	1226.75977	1894.57007
1867.0	0.000541	1226.67334	1852.76709
1802.0	0.000567	1226.58716	1815.35168
1786.0	0.000567	1226.50134	1782.38977
1754.0	0.000567	1226.41577	1753.77368
1656.0	0.000595	1226.33057	1729.27466
1657.0	0.000595	1226.24561	1708.57910
1708.0	0.000595	1226.16101	1691.32153
1621.0	0.000625	1226.07654	1677.10425
1655.0	0.000595	1225.99255	1665.52307
1590.0	0.000625	1225.90869	1656.17493
1636.0	0.000625	1225.82532	1648.67310
1642.0	0.000595	1225.74219	1642.66052
1598.0	0.000625	1225.65930	1637.88501
1604.0	0.000625	1225.57666	1633.90942
1611.0	0.000625	1225.49438	1630.55322
1617.0	0.000625	1225.41248	1627.60168
1596.0	0.000625	1225.33081	1624.87866
1559.0	0.000657	1225.24939	1622.23975
1582.0	0.000625	1225.16833	1619.57263
1566.0	0.000625	1225.08752	1616.79456
1546.0	0.000657	1225.00708	1613.84778
1568.0	0.000625	1224.92688	1610.70007
1614.0	0.000625	1224.84692	1607.33765
1548.0	0.000657	1224.76733	1604.05273
1593.0	0.000625	1224.68811	1600.70569
1589.0	0.000625	1224.60901	1596.81128
1589.0	0.000625	1224.53040	1592.81677
1619.0	0.000625	1224.45203	1588.78796
1607.0	0.000625	1224.37390	1584.79932
1637.0	0.000625	1224.29614	1580.93970



1626.0	0.000625	1224.21863	1577.31079
1567.0	0.000625	1224.14136	1574.02930
1581.0	0.000625	1224.06445	1571.23022
1581.0	0.000625	1223.98792	1569.06982
1580.0	0.000625	1223.91150	1567.72913
1679.0	0.000595	1223.83557	1567.41943
1654.0	0.000595	1223.75989	1568.89014
1649.0	0.000595	1223.68445	1571.43530
1636.0	0.000625	1223.60925	1575.88354
1648.0	0.000595	1223.53442	1582.61816
1681.0	0.000595	1223.45996	1592.06580
1695.0	0.000595	1223.38574	1604.69141
1705.0	0.000595	1223.31177	1620.98804
1697.0	0.000595	1223.23816	1641.45410
1701.0	0.000595	1223.16479	1666.56958
1795.0	0.000567	1223.09180	1697.62061
1859.0	0.000541	1223.01904	1733.23279
1883.0	0.000541	1222.94666	1774.45483
1966.0	0.000517	1222.87451	1821.28918
2001.0	0.000494	1222.80261	1873.47192
2059.0	0.000494	1222.73108	1930.38013
2187.0	0.000453	1222.65991	1990.91089
2229.0	0.000453	1222.58887	2053.33765
2298.0	0.000434	1222.51831	2115.19165
2325.0	0.000434	1222.44788	2173.25391
2363.0	0.000416	1222.37781	2223.82080
2416.0	0.000416	1222.30811	2263.33276
2315.0	0.000434	1222.23865	2289.28369
2329.0	0.000434	1222.16943	2301.04370
2230.0	0.000453	1222.10059	2300.13379
2212.0	0.000453	1222.03198	2289.74927
2158.0	0.000473	1221.96375	2273.86792
2107.0	0.000473	1221.89575	2256.35498
2121.0	0.000473	1221.82813	2240.35425
2041.0	0.000494	1221.76074	2228.31519
2075.0	0.000473	1221.69373	2221.65552
2075.0	0.000473	1221.62695	2221.08301
2180.0	0.000453	1221.56042	2226.61963
2067.0	0.000494	1221.49426	2237.66162
2135.0	0.000473	1221.42834	2253.00049
2191.0	0.000453	1221.36279	2270.86646
2147.0	0.000473	1221.29749	2289.01343
2164.0	0.000453	1221.23242	2304.91357
2108.0	0.000473	1221.16772	2316.07202
2133.0	0.000473	1221.10339	2320.44312
2221.0	0.000453	1221.03931	2316.85205
2151.0	0.000473	1220.97546	2305.25952
2184.0	0.000453	1220.91199	2286.74072
2208.0	0.000453	1220.84875	2263.16455
2217.0	0.000453	1220.78589	2236.72534
2193.0	0.000453	1220.72327	2209.49390
2186.0	0.000453	1220.66089	2183.94653
2147.0	0.000473	1220.59888	2159.60864
2168.0	0.000453	1220.53723	2137.89551

2196.0	0.000453	1220.47571	2118.99268
2122.0	0.000473	1220.41467	2102.82324
2186.0	0.000453	1220.35388	2089.26953
2223.0	0.000453	1220.29333	2078.39404
2116.0	0.000473	1220.23303	2070.65161
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2194.0	0.000453	1220.11353	2068.34351
2186.0	0.000453	1220.05408	2076.22827
2236.0	0.000453	1219.99512	2091.73608
2228.0	0.000453	1219.93640	2115.77686
2312.0	0.000434	1219.87793	2148.90015
2250.0	0.000453	1219.81982	2191.28833
2367.0	0.000416	1219.76184	2242.43335
2420.0	0.000416	1219.70435	2301.41162
2529.0	0.000400	1219.64709	2366.32983
2503.0	0.000400	1219.59009	2434.81177
2499.0	0.000400	1219.53345	2502.90137
2491.0	0.000400	1219.47705	2565.65576
2484.0	0.000400	1219.42102	2617.30640
2482.0	0.000400	1219.36523	2652.11548
2491.0	0.000400	1219.30981	2665.66016
2435.0	0.000416	1219.25452	2656.09619
2419.0	0.000416	1219.19971	2624.80591
2398.0	0.000416	1219.14514	2575.39648
2314.0	0.000434	1219.09082	2513.53638
2227.0	0.000453	1219.03674	2444.68774
2152.0	0.000473	1218.98315	2373.24829
2181.0	0.000453	1218.92969	2302.91919
2102.0	0.000473	1218.87659	2236.17407
2108.0	0.000473	1218.82385	2174.58203
2001.0	0.000494	1218.77124	2119.01001
1965.0	0.000517	1218.71912	2069.80957
1945.0	0.000517	1218.66711	2026.94861
1913.0	0.000517	1218.61548	1990.11780
1863.0	0.000541	1218.56421	1958.81506
1922.0	0.000517	1218.51318	1932.41516
1883.0	0.000541	1218.46240	1910.22754
1943.0	0.000517	1218.41199	1891.54614
1945.0	0.000517	1218.36182	1875.68860
1856.0	0.000541	1218.31201	1862.02271
1856.0	0.000541	1218.26245	1849.99060
1849.0	0.000541	1218.21326	1839.11035
1851.0	0.000541	1218.16431	1828.98645
1754.0	0.000567	1218.11560	1819.30554
1776.0	0.000567	1218.06726	1809.82458
1872.0	0.000541	1218.01917	1800.36902
1903.0	0.000517	1217.97144	1790.81604
1852.0	0.000541	1217.92395	1781.09399
1832.0	0.000541	1217.87671	1771.16675
1949.0	0.000517	1217.82983	1761.02966
1802.0	0.000567	1217.78320	1750.70178
1741.0	0.000567	1217.73694	1740.22205
1792.0	0.000567	1217.69104	1729.64294
1724.0	0.000567	1217.64526	1719.02795

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1657.0	0.000595	1217.46545	1678.13843
1626.0	0.000625	1217.42126	1668.59729
1659.0	0.000595	1217.37732	1659.55554
1623.0	0.000625	1217.33362	1651.12268
1692.0	0.000595	1217.29028	1643.41248
1696.0	0.000595	1217.24731	1636.54736
1691.0	0.000595	1217.20459	1630.65576
1636.0	0.000625	1217.16211	1625.87598
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1665.0	0.000595	1217.07800	1620.25366
1650.0	0.000595	1217.03650	1619.73132
1686.0	0.000595	1216.99524	1620.95715
1676.0	0.000595	1216.95422	1624.10120
1640.0	0.000625	1216.91357	1629.32837
1717.0	0.000595	1216.87317	1636.79224
1671.0	0.000595	1216.83301	1646.62402
1789.0	0.000567	1216.79321	1658.92590
1782.0	0.000567	1216.75378	1673.75513
1761.0	0.000567	1216.71460	1691.12244
1792.0	0.000567	1216.67566	1710.91663
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1811.0	0.000541	1216.59863	1756.91528
1841.0	0.000541	1216.56067	1782.24133
1783.0	0.000567	1216.52295	1808.13916
1814.0	0.000541	1216.48547	1833.48975
1825.0	0.000541	1216.44836	1856.81836
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1813.0	0.000541	1216.37488	1890.17285
1850.0	0.000541	1216.33862	1896.53687
1866.0	0.000541	1216.30261	1894.24841
1886.0	0.000541	1216.26697	1883.69727
1810.0	0.000541	1216.23157	1864.09460
1810.0	0.000541	1216.19653	1837.59277
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1722.0	0.000567	1216.12720	1771.54175
1687.0	0.000595	1216.09302	1735.72229
1669.0	0.000595	1216.05908	1700.04736
1659.0	0.000595	1216.02551	1665.56506
1624.0	0.000625	1215.99207	1633.00134
1607.0	0.000625	1215.95911	1602.81799
1518.0	0.000657	1215.92627	1575.27576
1574.0	0.000625	1215.89380	1550.49280
1536.0	0.000657	1215.86169	1528.47693
1559.0	0.000657	1215.82983	1509.15991
1463.0	0.000693	1215.79822	1492.42346
1463.0	0.000693	1215.76697	1478.11194
1407.0	0.000693	1215.73596	1466.05042
1461.0	0.000693	1215.70532	1456.05981
1461.0	0.000693	1215.67493	1447.96436
1441.0	0.000693	1215.64478	1441.60352
1422.0	0.000693	1215.61499	1436.83752

1467.0	0.000693	1215.58545	1433.55200
1456.0	0.000693	1215.55615	1431.66382
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1395.0	0.000730	1215.49866	1431.90759
1392.0	0.000730	1215.47021	1434.03357
1375.0	0.000730	1215.44214	1437.54016
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1465.0	0.000693	1215.35974	1457.09534
1458.0	0.000693	1215.33289	1466.93359
1520.0	0.000657	1215.30627	1478.58423
1531.0	0.000657	1215.27991	1492.11499
1496.0	0.000657	1215.25391	1507.55591
1467.0	0.000693	1215.22815	1524.88416
1510.0	0.000657	1215.20276	1544.00024
1561.0	0.000625	1215.17761	1564.69812
1548.0	0.000657	1215.15271	1586.62976
1596.0	0.000625	1215.12817	1609.38000
1676.0	0.000595	1215.10388	1631.92029
1703.0	0.000595	1215.07983	1653.33484
1651.0	0.000595	1215.05615	1672.34912
1659.0	0.000595	1215.03271	1687.57959
1616.0	0.000625	1215.00964	1697.76672
1677.0	0.000595	1214.98682	1702.06726
1611.0	0.000625	1214.96423	1700.47205
1641.0	0.000595	1214.94202	1693.26306
1629.0	0.000625	1214.92004	1681.41125
1680.0	0.000595	1214.89844	1666.43030
1634.0	0.000625	1214.87708	1649.59436
1560.0	0.000657	1214.85596	1632.09326
1592.0	0.000625	1214.83521	1615.76941
1624.0	0.000625	1214.81470	1599.58557
1558.0	0.000657	1214.79443	1584.48877
1603.0	0.000625	1214.77454	1570.92627
1553.0	0.000657	1214.75488	1559.01892
1581.0	0.000625	1214.73560	1548.78760
1536.0	0.000657	1214.71643	1540.18799
1513.0	0.000657	1214.69775	1533.12305
1449.0	0.000693	1214.67920	1527.46289
1533.0	0.000657	1214.66101	1523.05713
1532.0	0.000657	1214.64307	1519.74255
1532.0	0.000657	1214.62549	1517.35803
1552.0	0.000657	1214.60815	1515.74634
1550.0	0.000657	1214.59119	1514.76221
1512.0	0.000657	1214.57434	1514.27698
1486.0	0.000657	1214.55798	1514.18164
1587.0	0.000625	1214.54175	1514.38635
1522.0	0.000657	1214.52588	1514.82300
1479.0	0.000693	1214.51025	1515.44800
1570.0	0.000625	1214.49500	1516.23621
1535.0	0.000657	1214.47998	1517.18811
1538.0	0.000657	1214.46521	1518.39673
1521.0	0.000657	1214.45081	1519.76453
1565.0	0.000625	1214.43665	1521.43213

1523.0	0.000657	1214.42273	1523.49341
1578.0	0.000625	1214.40918	1526.06592
1618.0	0.000625	1214.39587	1529.29358
1597.0	0.000625	1214.38293	1533.34143
1638.0	0.000625	1214.37012	1538.40125
1617.0	0.000625	1214.35767	1544.68140
1695.0	0.000595	1214.34558	1552.40637
1655.0	0.000595	1214.33374	1561.81067
1643.0	0.000595	1214.32214	1573.13391
1584.0	0.000625	1214.31079	1586.60632
1640.0	0.000625	1214.29980	1602.44397
1620.0	0.000625	1214.28918	1620.83057
1694.0	0.000595	1214.27869	1641.90344
1604.0	0.000625	1214.26855	1665.72986
1591.0	0.000625	1214.25867	1692.28223
1671.0	0.000595	1214.24915	1721.39600
1739.0	0.000567	1214.23987	1752.72217
1602.0	0.000625	1214.23083	1785.66809
1726.0	0.000567	1214.22217	1819.32849
1715.0	0.000595	1214.21375	1852.42566
1727.0	0.000567	1214.20557	1883.30408
1789.0	0.000567	1214.19763	1909.99805
1716.0	0.000595	1214.19006	1930.42786
1689.0	0.000595	1214.18286	1942.72607
1763.0	0.000567	1214.17578	1945.61584
1674.0	0.000595	1214.16907	1938.72156
1688.0	0.000595	1214.16260	1922.67493
1657.0	0.000595	1214.15649	1898.96838
1749.0	0.000567	1214.15063	1869.62292
1795.0	0.000567	1214.14502	1836.80859
1719.0	0.000595	1214.13977	1802.53699
1699.0	0.000595	1214.13477	1768.47974
1643.0	0.000595	1214.13000	1735.91040
1673.0	0.000595	1214.12549	1705.72205
1670.0	0.000595	1214.12134	1678.48169
1642.0	0.000595	1214.11743	1654.49805
1677.0	0.000595	1214.11389	1633.88965
1696.0	0.000595	1214.11060	1616.65247
1620.0	0.000625	1214.10754	1602.60742
1641.0	0.000595	1214.10474	1591.94751
1644.0	0.000595	1214.10229	1584.55774
1606.0	0.000625	1214.10010	1580.51099
1601.0	0.000625	1214.09814	1580.21289
1645.0	0.000595	1214.09656	1583.27417
1677.0	0.000595	1214.09521	1590.10852
1638.0	0.000625	1214.09412	1600.81409
1601.0	0.000625	1214.09338	1615.42224
1636.0	0.000625	1214.09290	1633.88208
1548.0	0.000657	1214.09265	1656.03992
1718.0	0.000595	1214.09277	1681.61719
1723.0	0.000567	1214.09314	1710.16516
1672.0	0.000595	1214.09375	1741.02222
1708.0	0.000595	1214.09460	1773.25317
1700.0	0.000595	1214.09583	1805.59680

1693.0	0.000595	1214.09729	1836.45190
1757.0	0.000567	1214.09900	1863.93176
1697.0	0.000595	1214.10107	1886.03003
1782.0	0.000567	1214.10339	1900.90076
1724.0	0.000567	1214.10596	1907.19666
1723.0	0.000567	1214.10889	1904.36328
1713.0	0.000595	1214.11194	1892.76233
1688.0	0.000595	1214.11548	1873.56201
1728.0	0.000567	1214.11914	1848.46069
1697.0	0.000595	1214.12317	1819.34277
1679.0	0.000595	1214.12744	1787.98633
1655.0	0.000595	1214.13196	1755.89392
1626.0	0.000625	1214.13672	1724.33398
1622.0	0.000625	1214.14185	1693.92395
1559.0	0.000657	1214.14722	1665.31909
1622.0	0.000625	1214.15295	1638.85303
1596.0	0.000625	1214.15881	1614.69409
1465.0	0.000693	1214.16504	1592.96143
1553.0	0.000657	1214.17151	1573.81238
1496.0	0.000657	1214.17834	1556.55908
1594.0	0.000625	1214.18542	1541.39673
1588.0	0.000625	1214.19275	1528.16736
1481.0	0.000693	1214.20032	1516.70447
1572.0	0.000625	1214.20825	1506.83936
1577.0	0.000625	1214.21643	1498.41577
1513.0	0.000657	1214.22485	1491.29309
1511.0	0.000657	1214.23352	1485.35571
1536.0	0.000657	1214.24255	1480.51599
1596.0	0.000625	1214.25171	1476.71997
1557.0	0.000657	1214.26135	1473.94971
1542.0	0.000657	1214.27112	1472.22168
1520.0	0.000657	1214.28125	1471.53149
1495.0	0.000657	1214.29163	1472.08765
1560.0	0.000657	1214.30225	1473.95178
1541.0	0.000657	1214.31323	1477.28723
1606.0	0.000625	1214.32434	1482.23157
1632.0	0.000625	1214.33582	1488.97766
1539.0	0.000657	1214.34753	1497.70349
1560.0	0.000657	1214.35962	1508.57446
1573.0	0.000625	1214.37195	1521.72681
1529.0	0.000657	1214.38440	1537.24963
1603.0	0.000625	1214.39734	1555.16626
1598.0	0.000625	1214.41040	1575.40100
1636.0	0.000625	1214.42383	1597.75085
1632.0	0.000625	1214.43750	1621.83423
1598.0	0.000625	1214.45142	1647.03564
1585.0	0.000625	1214.46570	1672.44714
1632.0	0.000625	1214.48010	1696.82336
1572.0	0.000625	1214.49487	1718.60168
1588.0	0.000625	1214.50989	1736.01941
1623.0	0.000625	1214.52515	1747.54578
1643.0	0.000595	1214.54077	1751.53357
1588.0	0.000625	1214.55664	1747.60608
1594.0	0.000625	1214.57275	1737.30530

1601.0	0.000625	1214.58911	1719.44360
1590.0	0.000625	1214.60583	1696.80896
1559.0	0.000657	1214.62268	1671.21631
1607.0	0.000625	1214.63989	1644.04932
1610.0	0.000625	1214.65747	1617.16309
1557.0	0.000657	1214.67517	1591.29858
1542.0	0.000657	1214.69312	1567.14673
1545.0	0.000657	1214.71143	1545.14844
1512.0	0.000657	1214.72998	1525.55237
1483.0	0.000657	1214.74890	1508.46411
1461.0	0.000693	1214.76794	1493.88184
1479.0	0.000693	1214.78735	1481.72620
1504.0	0.000657	1214.80701	1471.80225
1474.0	0.000693	1214.82690	1464.05872
1471.0	0.000693	1214.84705	1458.23975
1438.0	0.000693	1214.86743	1454.13928
1467.0	0.000693	1214.88818	1451.55615
1483.0	0.000657	1214.90918	1450.29492
1498.0	0.000657	1214.93042	1450.18250
1477.0	0.000693	1214.95203	1451.06519
1477.0	0.000693	1214.97375	1452.81921
1425.0	0.000693	1214.99585	1455.34863
1506.0	0.000657	1215.01819	1458.56506
1447.0	0.000693	1215.04077	1462.50964
1495.0	0.000657	1215.06360	1467.16602
1519.0	0.000657	1215.08667	1472.59436
1471.0	0.000693	1215.11011	1478.89612
1466.0	0.000693	1215.13379	1486.22058
1554.0	0.000657	1215.15771	1494.76355
1551.0	0.000657	1215.18188	1504.76477
1480.0	0.000693	1215.20642	1516.50427
1498.0	0.000657	1215.23108	1530.29431
1562.0	0.000625	1215.25610	1546.46619
1590.0	0.000625	1215.28137	1565.35535
1567.0	0.000625	1215.30688	1587.27905
1643.0	0.000595	1215.33264	1612.50684
1648.0	0.000595	1215.35864	1641.23889
1589.0	0.000625	1215.38501	1673.56287
1710.0	0.000595	1215.41162	1709.41260
1739.0	0.000567	1215.43848	1748.51550
1788.0	0.000567	1215.46558	1790.32031
1798.0	0.000567	1215.49292	1833.90967
1904.0	0.000517	1215.52051	1877.89587
1919.0	0.000517	1215.54846	1920.34619
2008.0	0.000494	1215.57666	1958.77734
1979.0	0.000517	1215.60498	1990.32727
1995.0	0.000494	1215.63379	2012.15784
1996.0	0.000494	1215.66272	2022.05042
1954.0	0.000517	1215.69189	2019.00110
1958.0	0.000517	1215.72131	2003.51782
1886.0	0.000541	1215.75110	1977.46130
1828.0	0.000541	1215.78113	1943.51477
1758.0	0.000567	1215.81140	1904.62878
1815.0	0.000541	1215.84192	1863.27991

1767.0	0.000567	1215.87268	1821.62817
1738.0	0.000567	1215.90369	1781.21228
1682.0	0.000595	1215.93506	1743.07922
1652.0	0.000595	1215.96655	1707.88074
1641.0	0.000595	1215.99841	1675.97083
1670.0	0.000595	1216.03052	1647.47925
1623.0	0.000625	1216.06287	1622.37207
1571.0	0.000625	1216.09546	1600.49536
1612.0	0.000625	1216.12830	1581.61145
1600.0	0.000625	1216.16138	1565.43433
1519.0	0.000657	1216.19482	1551.64954
1553.0	0.000657	1216.22852	1540.76843
1586.0	0.000625	1216.26233	1530.84253
1566.0	0.000625	1216.29651	1522.41248
1533.0	0.000657	1216.33093	1515.23718
1556.0	0.000657	1216.36560	1509.11365
1572.0	0.000625	1216.40051	1503.87842
1507.0	0.000657	1216.43579	1499.40808
1481.0	0.000693	1216.47119	1495.61084
1516.0	0.000657	1216.50684	1492.42493
1490.0	0.000657	1216.54285	1489.80896
1543.0	0.000657	1216.57910	1487.73804
1513.0	0.000657	1216.61548	1486.19336
1518.0	0.000657	1216.65222	1485.15698
1457.0	0.000693	1216.68921	1484.60156
1492.0	0.000657	1216.72644	1484.48145
1470.0	0.000693	1216.76404	1484.72021
1451.0	0.000693	1216.80176	1485.19653
1484.0	0.000657	1216.83972	1487.33105
1448.0	0.000693	1216.87793	1487.70642
1440.0	0.000693	1216.91650	1487.59119
1477.0	0.000693	1216.95520	1486.62854
1484.0	0.000657	1216.99426	1484.46155
1507.0	0.000657	1217.03357	1481.22534
1480.0	0.000693	1217.07312	1475.92139
1469.0	0.000693	1217.11279	1469.00354
1458.0	0.000693	1217.15283	1460.68616
1432.0	0.000693	1217.19312	1451.33740
1438.0	0.000693	1217.23364	1441.39941
1445.0	0.000693	1217.27441	1431.32166
1432.0	0.000693	1217.31555	1421.51697
1433.0	0.000693	1217.35681	1412.33459
1450.0	0.000693	1217.39832	1404.06201
1450.0	0.000693	1217.44019	1396.92725
1408.0	0.000693	1217.48218	1391.11145
1497.0	0.000657	1217.52454	1386.75537
1425.0	0.000693	1217.56702	1383.96350
1438.0	0.000693	1217.60986	1382.80896
1464.0	0.000693	1217.65283	1383.32715
1437.0	0.000693	1217.69617	1385.51416
1473.0	0.000693	1217.73975	1389.32190
1412.0	0.000693	1217.78345	1394.64453
1441.0	0.000693	1217.82751	1401.30469
1458.0	0.000693	1217.87183	1409.03137



1443.0	0.000693	1217.91638	1417.70715
1481.0	0.000693	1217.96106	1426.27856
1450.0	0.000693	1218.00623	1434.33313
1404.0	0.000730	1218.05139	1440.85217
1377.0	0.000730	1218.09692	1445.45227
1402.0	0.000730	1218.14270	1447.18689
1368.0	0.000730	1218.18872	1445.62292
1325.0	0.000772	1218.23499	1440.69458
1365.0	0.000730	1218.28149	1432.76782
1361.0	0.000730	1218.32837	1422.49316
1324.0	0.000772	1218.37524	1410.64612
1306.0	0.000772	1218.42261	1397.98242
1334.0	0.000730	1218.47009	1385.17358
1337.0	0.000730	1218.51782	1372.64038
1302.0	0.000772	1218.56580	1360.81653
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1287.0	0.000772	1218.71118	1330.97156
1313.0	0.000772	1218.76013	1323.19202
1277.0	0.000772	1218.80933	1316.49304
1306.0	0.000772	1218.85876	1310.82568
1298.0	0.000772	1218.90845	1306.12073
1272.0	0.000772	1218.95837	1302.35181
1272.0	0.000772	1219.00854	1299.33057
1315.0	0.000772	1219.05896	1297.02734
1253.0	0.000816	1219.10962	1295.68982
1315.0	0.000772	1219.16052	1294.59338
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1270.0	0.000772	1219.26306	1293.85840
1263.0	0.000772	1219.31470	1294.12671
1296.0	0.000772	1219.36658	1294.77344
1297.0	0.000772	1219.41858	1295.77551
1260.0	0.000772	1219.47095	1297.12012
1318.0	0.000772	1219.52356	1298.80017
1311.0	0.000772	1219.57642	1300.81433
1249.0	0.000816	1219.62939	1303.16992
1269.0	0.000772	1219.68274	1305.87817
1287.0	0.000772	1219.73621	1308.95374
1248.0	0.000816	1219.79004	1312.41516
1272.0	0.000772	1219.84399	1316.28687
1247.0	0.000816	1219.89819	1320.59839
1334.0	0.000730	1219.95276	1325.38281
1282.0	0.000772	1220.00745	1330.68066
1244.0	0.000816	1220.06238	1336.54138
1306.0	0.000772	1220.11755	1343.26331
1268.0	0.000772	1220.17297	1350.44214
1394.0	0.000730	1220.22864	1358.40308
1351.0	0.000730	1220.28455	1366.93884
1284.0	0.000772	1220.34070	1376.82690
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1305.0	0.000772	1220.45361	1400.42065
1398.0	0.000730	1220.51050	1414.59521
1362.0	0.000730	1220.56763	1430.74451
1354.0	0.000730	1220.62488	1449.22742

1417.0	0.000693	1220.68237	1470.45081
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1420.0	0.000693	1220.79810	1522.96362
1385.0	0.000730	1220.85645	1555.23315
1529.0	0.000657	1220.91492	1592.16064
1530.0	0.000657	1220.97351	1634.18701
1599.0	0.000625	1221.03247	1681.65857
1619.0	0.000625	1221.09167	1734.78662
1756.0	0.000567	1221.15100	1793.60266
1807.0	0.000541	1221.21069	1858.93164
2019.0	0.000494	1221.27051	1928.10767
2227.0	0.000453	1221.33057	2001.15979
2220.0	0.000453	1221.39087	2076.49390
2417.0	0.000416	1221.45142	2151.79443
2536.0	0.000400	1221.51221	2223.92822
2640.0	0.000384	1221.57312	2288.98999
2613.0	0.000384	1221.63440	2342.63062
2561.0	0.000384	1221.69580	2380.73828
2450.0	0.000416	1221.75757	2400.36230
2469.0	0.000400	1221.81946	2400.47095
2323.0	0.000434	1221.88159	2382.31665
2262.0	0.000434	1221.94397	2348.83105
2158.0	0.000473	1222.00647	2304.03955
2199.0	0.000453	1222.06934	2252.04663
2083.0	0.000473	1222.13232	2196.49023
2099.0	0.000473	1222.19568	2140.28516
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1989.0	0.000494	1222.32275	2034.14722
2068.0	0.000494	1222.38672	1986.46277
1961.0	0.000517	1222.45093	1943.29480
2015.0	0.000494	1222.51526	1904.84814
1978.0	0.000517	1222.57996	1871.08020
1909.0	0.000517	1222.64478	1841.76318
1888.0	0.000541	1222.70984	1816.54773
1854.0	0.000541	1222.77515	1795.00842
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1803.0	0.000567	1222.97229	1747.88184
1785.0	0.000567	1223.03845	1736.57239
1836.0	0.000541	1223.10486	1726.85229
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1691.0	0.000595	1223.23828	1710.81360
1728.0	0.000567	1223.30530	1704.54065
1700.0	0.000595	1223.37256	1699.18042
1683.0	0.000595	1223.44006	1694.17029
1741.0	0.000567	1223.50769	1689.73816
1717.0	0.000595	1223.57568	1685.85608
1712.0	0.000595	1223.64380	1682.46338
1721.0	0.000595	1223.71216	1679.51465
1695.0	0.000595	1223.78076	1676.94580
1727.0	0.000567	1223.84961	1674.67334
1712.0	0.000595	1223.91858	1672.58203
1766.0	0.000567	1223.98779	1670.50745
1693.0	0.000595	1224.05725	1668.37915

1641.0	0.000595	1224.12695	1665.69165
1682.0	0.000595	1224.19678	1662.33618
1703.0	0.000595	1224.26685	1658.14221
1643.0	0.000595	1224.33716	1653.02246
1646.0	0.000595	1224.40771	1647.04797
1699.0	0.000595	1224.47839	1640.45251
1617.0	0.000625	1224.54944	1633.60596
1598.0	0.000625	1224.62048	1626.97180
1630.0	0.000625	1224.69189	1621.04993
1491.0	0.000657	1224.76355	1616.34155
1527.0	0.000657	1224.83533	1613.31812
1521.0	0.000657	1224.90735	1612.41956
1557.0	0.000657	1224.97961	1614.04626
1574.0	0.000625	1225.05200	1618.56555
1537.0	0.000657	1225.12463	1626.30481
1611.0	0.000625	1225.19751	1637.55066
1624.0	0.000625	1225.27051	1652.53589
1633.0	0.000625	1225.34387	1671.43140
1674.0	0.000595	1225.41736	1694.32336
1710.0	0.000595	1225.49109	1721.18933
1695.0	0.000595	1225.56494	1751.86438
1810.0	0.000541	1225.63904	1785.99817
1800.0	0.000567	1225.71338	1822.98242
1898.0	0.000517	1225.78796	1861.90356
1965.0	0.000517	1225.86267	1901.47791
1921.0	0.000517	1225.93762	1940.07727
1976.0	0.000517	1226.01282	1975.85291
2037.0	0.000494	1226.08813	2007.02710
2074.0	0.000473	1226.16370	2032.30237
2081.0	0.000473	1226.23950	2051.25757
1988.0	0.000494	1226.31543	2064.54541
2034.0	0.000494	1226.39160	2073.73633
2000.0	0.000494	1226.46802	2080.99609
1980.0	0.000517	1226.54468	2088.62842
2097.0	0.000473	1226.62146	2098.53540
1976.0	0.000517	1226.69849	2112.23315
1993.0	0.000494	1226.77563	2130.57959
2118.0	0.000473	1226.85303	2153.77417
2181.0	0.000453	1226.93066	2181.33813
2149.0	0.000473	1227.00854	2212.07764
2154.0	0.000473	1227.08655	2244.31641
2190.0	0.000453	1227.16467	2274.99731
2226.0	0.000453	1227.24316	2301.06958
2321.0	0.000434	1227.32178	2319.30151
2239.0	0.000453	1227.40063	2326.79614
2319.0	0.000434	1227.47961	2321.66943
2269.0	0.000434	1227.55884	2303.49658
2225.0	0.000453	1227.63831	2273.36035
2223.0	0.000453	1227.71790	2233.51685
2179.0	0.000453	1227.79773	2186.82910
2181.0	0.000453	1227.87769	2136.20654
2015.0	0.000494	1227.95789	2084.20996
2083.0	0.000473	1228.03833	2032.87720
2052.0	0.000494	1228.11890	1983.69360

2112.0	0.000473	1228.19971	1937.66650
1861.0	0.000541	1228.28076	1895.47058
1920.0	0.000517	1228.36194	1857.32605
1913.0	0.000517	1228.44336	1823.39294
1806.0	0.000567	1228.52490	1793.61926
1767.0	0.000567	1228.60669	1767.93494
1773.0	0.000567	1228.68872	1745.89270
1769.0	0.000567	1228.77087	1727.25964
1723.0	0.000567	1228.85327	1711.69971
1783.0	0.000567	1228.93579	1698.85266
1737.0	0.000567	1229.01855	1688.35669
1739.0	0.000567	1229.10156	1679.86560
1723.0	0.000567	1229.18457	1673.05481
1742.0	0.000567	1229.26794	1667.62866
1683.0	0.000595	1229.35144	1663.32349
1600.0	0.000625	1229.43518	1659.91211
1647.0	0.000595	1229.51917	1657.19788
1702.0	0.000595	1229.60327	1655.01611
1618.0	0.000625	1229.68750	1653.23206
1653.0	0.000595	1229.77197	1651.80615
1719.0	0.000595	1229.85669	1650.50293
1659.0	0.000595	1229.94141	1649.65491
1652.0	0.000595	1230.02649	1648.53699
1616.0	0.000625	1230.11169	1647.43372
1666.0	0.000595	1230.19714	1646.30347
1635.0	0.000625	1230.28271	1645.11133
1570.0	0.000625	1230.36853	1643.82593
1639.0	0.000625	1230.45459	1642.41956
1667.0	0.000595	1230.54065	1641.44702
1588.0	0.000625	1230.62708	1639.72107
1633.0	0.000625	1230.71362	1637.79395
1652.0	0.000595	1230.80029	1635.63745
1669.0	0.000595	1230.88721	1633.22888
1684.0	0.000595	1230.97424	1630.54419
1544.0	0.000657	1231.06152	1627.56238
1646.0	0.000595	1231.14905	1624.26563
1654.0	0.000595	1231.23669	1620.64221
1637.0	0.000625	1231.32446	1616.68347
1615.0	0.000625	1231.41248	1612.39111
1615.0	0.000625	1231.50061	1607.78638
1593.0	0.000625	1231.58899	1603.20496
1504.0	0.000657	1231.67761	1597.99438
1571.0	0.000625	1231.76636	1592.53333
1574.0	0.000625	1231.85522	1586.86548
1541.0	0.000657	1231.94434	1581.04285
1535.0	0.000657	1232.03357	1575.12561
1559.0	0.000657	1232.12305	1569.22229
1587.0	0.000625	1232.21265	1563.31848
1563.0	0.000625	1232.30249	1557.53552
1563.0	0.000625	1232.39246	1551.95496
1637.0	0.000625	1232.48254	1546.66064
1507.0	0.000657	1232.57288	1541.74243
1533.0	0.000657	1232.66345	1537.29297
1540.0	0.000657	1232.75403	1533.41296

1533.0	0.000657	1232.84497	1530.20618
1512.0	0.000657	1232.93591	1527.79089
1523.0	0.000657	1233.02722	1526.29810
1542.0	0.000657	1233.11865	1525.87231
1575.0	0.000625	1233.21021	1526.67932
1598.0	0.000625	1233.30188	1528.90820
1486.0	0.000657	1233.39380	1532.77563
1600.0	0.000625	1233.48584	1538.52197
1601.0	0.000625	1233.57813	1546.41821
1689.0	0.000595	1233.67053	1556.75659
1637.0	0.000625	1233.76318	1569.84863
1695.0	0.000595	1233.85596	1586.01306
1726.0	0.000567	1233.94885	1605.62573
1718.0	0.000595	1234.04199	1628.86096
1734.0	0.000567	1234.13525	1656.03589
1737.0	0.000567	1234.22864	1687.30884
1885.0	0.000541	1234.32227	1722.77527
1799.0	0.000567	1234.41602	1762.38904
1896.0	0.000517	1234.51001	1805.94409
1917.0	0.000517	1234.60413	1853.02625
1844.0	0.000541	1234.69849	1902.96277
1976.0	0.000517	1234.79285	1954.85132
2050.0	0.000494	1234.88757	2007.03052
1998.0	0.000494	1234.98230	2057.70923
1943.0	0.000517	1235.07727	2104.53394
2052.0	0.000494	1235.17236	2144.89063
1953.0	0.000517	1235.26770	2176.24707
2098.0	0.000473	1235.36316	2196.61816
1992.0	0.000494	1235.45874	2204.94531
2071.0	0.000473	1235.55457	2201.23340
1975.0	0.000517	1235.65039	2186.38794
2023.0	0.000494	1235.74658	2161.88135
1943.0	0.000517	1235.84277	2129.41919
1983.0	0.000494	1235.93921	2090.76196
1965.0	0.000517	1236.03577	2047.65527
1972.0	0.000517	1236.13257	2001.78967
1877.0	0.000541	1236.22949	1954.75793
1864.0	0.000541	1236.32654	1907.97144
1682.0	0.000595	1236.42383	1862.60352
1725.0	0.000567	1236.52112	1819.57141
1670.0	0.000595	1236.61865	1779.54395
1623.0	0.000625	1236.71643	1742.97021
1642.0	0.000595	1236.81421	1710.10693
1607.0	0.000625	1236.91235	1681.04858
1682.0	0.000595	1237.01050	1655.74915
1618.0	0.000625	1237.10876	1634.05615
1563.0	0.000625	1237.20728	1615.74194
1608.0	0.000625	1237.30591	1600.52490
1538.0	0.000657	1237.40479	1588.73303
1520.0	0.000657	1237.50366	1578.79492
1527.0	0.000657	1237.60278	1571.02710
1515.0	0.000657	1237.70203	1565.13293
1607.0	0.000625	1237.80151	1560.83472
1600.0	0.000625	1237.90100	1557.88074

1552.0	0.000657	1238.00085	1556.04346
1510.0	0.000657	1238.10059	1555.37952
1538.0	0.000657	1238.20068	1555.41431
1568.0	0.000625	1238.30090	1555.83801
1619.0	0.000625	1238.40112	1556.71130
1544.0	0.000657	1238.50171	1557.94312
1577.0	0.000625	1238.60229	1559.44861
1576.0	0.000625	1238.70313	1561.16150
1551.0	0.000657	1238.80396	1563.03699
1491.0	0.000657	1238.90503	1565.04150
1570.0	0.000625	1239.00635	1567.15857
1576.0	0.000625	1239.10767	1569.38452
1575.0	0.000625	1239.20923	1571.73120
1582.0	0.000625	1239.31079	1574.21790
1597.0	0.000625	1239.41272	1576.87463
1545.0	0.000657	1239.51465	1579.73779
1540.0	0.000657	1239.61682	1582.85193
1654.0	0.000595	1239.71899	1586.26208
1620.0	0.000625	1239.82141	1590.01501
1623.0	0.000625	1239.92395	1593.99207
1621.0	0.000625	1240.02661	1598.55298
1622.0	0.000625	1240.12939	1603.56409
1594.0	0.000625	1240.23242	1609.03235
1657.0	0.000595	1240.33557	1614.94263
1635.0	0.000625	1240.43884	1621.24524
1686.0	0.000595	1240.54224	1627.84460
1677.0	0.000595	1240.64575	1634.58813
1708.0	0.000595	1240.74939	1641.25000
1687.0	0.000595	1240.85315	1647.53235
1712.0	0.000595	1240.95715	1653.06946
1671.0	0.000595	1241.06128	1657.46912
1682.0	0.000595	1241.16553	1660.36816
1679.0	0.000595	1241.26990	1661.51892
1697.0	0.000595	1241.37439	1660.84802
1672.0	0.000595	1241.47900	1658.95862
1706.0	0.000595	1241.58386	1655.34717
1701.0	0.000595	1241.68872	1650.98083
1752.0	0.000567	1241.79382	1646.45825
1689.0	0.000595	1241.89905	1642.37073
1701.0	0.000595	1242.00427	1639.24304
1644.0	0.000595	1242.10974	1637.49890
1710.0	0.000595	1242.21545	1637.44763
1639.0	0.000625	1242.32117	1639.28479
1750.0	0.000567	1242.42700	1643.08838
1660.0	0.000595	1242.53296	1648.94360
1711.0	0.000595	1242.63916	1656.39807
1684.0	0.000595	1242.74536	1665.24377
1666.0	0.000595	1242.85181	1674.98682
1662.0	0.000595	1242.95825	1684.89465
1685.0	0.000595	1243.06494	1694.14453
1718.0	0.000595	1243.17175	1701.81897
1697.0	0.000595	1243.27869	1707.05151
1654.0	0.000595	1243.38574	1709.97229
1686.0	0.000595	1243.49280	1708.68298

1672.0	0.000595	1243.60010	1704.02661
1689.0	0.000595	1243.70764	1696.39111
1701.0	0.000595	1243.81506	1686.35242
1640.0	0.000595	1243.92285	1674.53113
1670.0	0.000595	1244.03064	1661.46973
1634.0	0.000625	1244.13855	1647.63452
1689.0	0.000595	1244.24658	1633.30505
1657.0	0.000595	1244.35474	1618.68774
1629.0	0.000625	1244.46313	1603.98059
1603.0	0.000625	1244.57153	1590.06873
1589.0	0.000625	1244.68005	1575.94885
1587.0	0.000625	1244.78870	1562.46106
1626.0	0.000625	1244.89758	1549.80554
1524.0	0.000657	1245.00647	1538.13220
1588.0	0.000625	1245.11548	1527.54065
1553.0	0.000657	1245.22473	1518.07361
1532.0	0.000657	1245.33398	1509.73120
1544.0	0.000657	1245.44336	1502.47913
1499.0	0.000657	1245.55286	1496.25537
1522.0	0.000657	1245.66260	1490.98743
1520.0	0.000657	1245.77234	1486.59082
1571.0	0.000625	1245.88220	1482.98047
1504.0	0.000657	1245.99219	1480.07300
1497.0	0.000657	1246.10229	1477.78723
1528.0	0.000657	1246.21252	1476.12256
1441.0	0.000693	1246.32288	1474.86108
1530.0	0.000657	1246.43335	1474.01282
1494.0	0.000657	1246.54395	1473.56982
1425.0	0.000693	1246.65466	1473.37659
1488.0	0.000657	1246.76538	1474.46289
1417.0	0.000693	1246.87634	1474.74475
1446.0	0.000693	1246.98730	1475.19702
1498.0	0.000657	1247.09851	1475.78430
1449.0	0.000693	1247.20972	1476.47583
1454.0	0.000693	1247.32117	1477.24121
1452.0	0.000693	1247.43262	1478.05713
1414.0	0.000693	1247.54419	1478.89929
1400.0	0.000730	1247.65588	1479.74902
1468.0	0.000693	1247.76770	1480.58850
1456.0	0.000693	1247.87964	1481.40356
1443.0	0.000693	1247.99170	1482.53394
1459.0	0.000693	1248.10376	1483.27100
1395.0	0.000730	1248.21606	1483.95605
1425.0	0.000693	1248.32837	1484.58472
1463.0	0.000693	1248.44092	1485.15796
1488.0	0.000657	1248.55347	1485.67566
1440.0	0.000693	1248.66614	1486.14551
1508.0	0.000657	1248.77893	1486.43091
1463.0	0.000693	1248.89185	1486.83215
1452.0	0.000693	1249.00476	1487.22217
1487.0	0.000657	1249.11780	1487.62024
1530.0	0.000657	1249.23108	1488.05164
1504.0	0.000657	1249.34436	1488.54736
1486.0	0.000657	1249.45776	1489.13916

1490.0	0.000657	1249.57129	1489.72375
1488.0	0.000657	1249.68494	1490.64246
1525.0	0.000657	1249.79858	1491.80444
1491.0	0.000657	1249.91235	1493.27112
1531.0	0.000657	1250.02625	1495.11609
1527.0	0.000657	1250.14026	1497.41980
1567.0	0.000625	1250.25439	1500.27319
1494.0	0.000657	1250.36853	1503.77759
1532.0	0.000657	1250.48291	1508.04626
1544.0	0.000657	1250.59729	1513.20862
1496.0	0.000657	1250.71179	1519.38147
1624.0	0.000625	1250.82642	1526.95544
1584.0	0.000625	1250.94104	1535.60083
1605.0	0.000625	1251.05579	1545.64404
1633.0	0.000625	1251.17065	1557.37708
1635.0	0.000625	1251.28564	1571.08777
1707.0	0.000595	1251.40076	1586.52356
1682.0	0.000595	1251.51599	1604.00977
1682.0	0.000595	1251.63123	1623.63940
1722.0	0.000595	1251.74658	1645.46045
1761.0	0.000567	1251.86194	1669.44568
1779.0	0.000567	1251.97742	1695.47693
1747.0	0.000567	1252.09314	1723.32178
1828.0	0.000541	1252.20886	1752.61707
1800.0	0.000567	1252.32458	1782.86963
1834.0	0.000541	1252.44055	1813.57581
1906.0	0.000517	1252.55652	1844.01575
1870.0	0.000541	1252.67249	1873.46375
1839.0	0.000541	1252.78870	1901.52771
1871.0	0.000541	1252.90491	1927.88501
1852.0	0.000541	1253.02124	1952.37976
1902.0	0.000517	1253.13770	1974.94495
1928.0	0.000517	1253.25415	1995.46423
1867.0	0.000541	1253.37085	2013.63696
1936.0	0.000517	1253.48743	2028.90137
1939.0	0.000517	1253.60425	2040.46301
1914.0	0.000517	1253.72107	2047.45251
1870.0	0.000541	1253.83789	2049.17163
1882.0	0.000541	1253.95496	2045.55237
1876.0	0.000541	1254.07202	2036.46887
1822.0	0.000541	1254.18921	2022.94373
1813.0	0.000541	1254.30652	2006.14319
1883.0	0.000541	1254.42383	1987.30408
1846.0	0.000541	1254.54126	1967.49060
1858.0	0.000541	1254.65869	1947.43323
1794.0	0.000567	1254.77625	1927.46973
1784.0	0.000567	1254.89392	1907.58337
1745.0	0.000567	1255.01172	1887.78003
1760.0	0.000567	1255.12952	1867.17468
1791.0	0.000567	1255.24744	1845.75232
1770.0	0.000567	1255.36536	1823.43079
1730.0	0.000567	1255.48340	1800.36963
1717.0	0.000595	1255.60144	1776.94495
1735.0	0.000567	1255.71960	1753.65808



1737.0	0.000567	1255.83789	1731.03369
1701.0	0.000595	1255.95630	1709.53699
1672.0	0.000595	1256.07471	1689.52771
1663.0	0.000595	1256.19312	1671.24463
1640.0	0.000595	1256.31177	1654.81885
1627.0	0.000625	1256.43030	1640.29163
1671.0	0.000595	1256.54907	1627.63831
1617.0	0.000625	1256.66785	1616.78882
1622.0	0.000625	1256.78662	1607.63977
1612.0	0.000625	1256.90552	1600.07288
1581.0	0.000625	1257.02454	1593.95386
1671.0	0.000595	1257.14355	1589.14404
1645.0	0.000595	1257.26270	1585.50195
1635.0	0.000625	1257.38196	1582.88013
1577.0	0.000625	1257.50110	1581.20020
1647.0	0.000595	1257.62048	1580.18787
1647.0	0.000595	1257.73987	1579.76318
1576.0	0.000625	1257.85925	1579.78442
1569.0	0.000625	1257.97876	1580.12097
1649.0	0.000595	1258.09839	1580.65796
1585.0	0.000625	1258.21802	1581.30615
1593.0	0.000625	1258.33777	1582.00757
1590.0	0.000625	1258.45752	1582.73999
1570.0	0.000625	1258.57739	1583.50598
1559.0	0.000657	1258.69727	1584.32910
1530.0	0.000657	1258.81714	1585.24011
1640.0	0.000625	1258.93713	1586.28186
1642.0	0.000595	1259.05725	1587.49622
1621.0	0.000625	1259.17749	1588.93518
1599.0	0.000625	1259.29761	1590.65637
1607.0	0.000625	1259.41785	1592.47290
1602.0	0.000625	1259.53821	1594.96814
1632.0	0.000625	1259.65857	1597.98376
1569.0	0.000625	1259.77893	1601.62598
1590.0	0.000625	1259.89954	1606.02234
1666.0	0.000595	1260.02002	1611.31372
1612.0	0.000625	1260.14063	1617.66052
1660.0	0.000595	1260.26123	1625.23743
1666.0	0.000595	1260.38196	1634.30811
1675.0	0.000595	1260.50281	1644.92859
1642.0	0.000595	1260.62366	1657.38171
1756.0	0.000567	1260.74451	1671.88354
1791.0	0.000567	1260.86536	1688.64844
1742.0	0.000567	1260.98633	1707.88159
1821.0	0.000541	1261.10742	1729.77441
1752.0	0.000567	1261.22852	1754.48901
1788.0	0.000567	1261.34961	1782.14099
1758.0	0.000567	1261.47083	1812.78210
1805.0	0.000567	1261.59204	1846.37305
1765.0	0.000567	1261.71326	1882.74402
1846.0	0.000541	1261.83459	1921.56396
1903.0	0.000517	1261.95593	1962.30078
1938.0	0.000517	1262.07739	2004.21692
1838.0	0.000541	1262.19885	2046.39539

1953.0	0.000517	1262.32043	2087.82642
1936.0	0.000517	1262.44189	2127.55078
1966.0	0.000517	1262.56360	2164.83228
2011.0	0.000494	1262.68518	2199.29590
2038.0	0.000494	1262.80688	2230.97095
2091.0	0.000473	1262.92859	2260.21191
2078.0	0.000473	1263.05042	2287.52930
2173.0	0.000453	1263.17224	2313.38281
2236.0	0.000453	1263.29407	2338.03638
2292.0	0.000434	1263.41602	2361.49976
2325.0	0.000434	1263.53796	2383.53467
2266.0	0.000434	1263.65991	2403.70557
2365.0	0.000416	1263.78198	2421.42236
2403.0	0.000416	1263.90405	2435.94629
2390.0	0.000416	1264.02612	2446.41724
2393.0	0.000416	1264.14832	2452.02808
2459.0	0.000400	1264.27051	2451.93018
2291.0	0.000434	1264.39270	2445.96997
2359.0	0.000416	1264.51501	2434.56958
2382.0	0.000416	1264.63721	2418.80273
2350.0	0.000434	1264.75952	2400.13989
2330.0	0.000434	1264.88196	2380.08960
2285.0	0.000434	1265.00427	2359.85474
2259.0	0.000434	1265.12671	2340.17139
2263.0	0.000434	1265.24915	2321.30957
2305.0	0.000434	1265.37170	2303.27051
2211.0	0.000453	1265.49426	2286.33569
2293.0	0.000434	1265.61682	2270.24683
2272.0	0.000434	1265.73938	2255.71216
2215.0	0.000453	1265.86194	2243.80542
2247.0	0.000453	1265.98462	2235.71216
2356.0	0.000416	1266.10730	2232.61475
2204.0	0.000453	1266.23010	2235.51270
2305.0	0.000434	1266.35278	2245.10620
2279.0	0.000434	1266.47559	2261.72363
2358.0	0.000416	1266.59839	2285.30273
2384.0	0.000416	1266.72119	2315.37158
2348.0	0.000434	1266.84399	2351.04614
2426.0	0.000416	1266.96692	2391.04224
2495.0	0.000400	1267.08984	2433.70801
2569.0	0.000384	1267.21265	2477.10474
2568.0	0.000384	1267.33569	2519.11670
2673.0	0.000370	1267.45862	2557.56006
2663.0	0.000370	1267.58167	2590.27734
2704.0	0.000370	1267.70471	2615.20020
2606.0	0.000384	1267.82764	2630.45288
2563.0	0.000384	1267.95081	2634.55273
2527.0	0.000400	1268.07385	2626.70459
2485.0	0.000400	1268.19690	2607.08228
2421.0	0.000416	1268.32007	2576.91040
2434.0	0.000416	1268.44324	2538.26782
2325.0	0.000434	1268.56641	2493.70874
2343.0	0.000434	1268.68958	2445.79712
2240.0	0.000453	1268.81274	2396.87256

2253.0	0.000453	1268.93591	2348.58594
2231.0	0.000453	1269.05920	2302.32959
2219.0	0.000453	1269.18237	2259.66724
2223.0	0.000453	1269.30566	2219.76099
2098.0	0.000473	1269.42896	2183.47412
2203.0	0.000453	1269.55225	2150.99487
2060.0	0.000494	1269.67554	2122.14990
2204.0	0.000453	1269.79895	2096.72754
2061.0	0.000494	1269.92224	2074.43945
2052.0	0.000494	1270.04553	2054.95801
2083.0	0.000473	1270.16895	2037.93469
2094.0	0.000473	1270.29224	2023.01807
2126.0	0.000473	1270.41565	2009.88037
2076.0	0.000473	1270.53906	1998.22205
1971.0	0.000517	1270.66248	1987.78040
2090.0	0.000473	1270.78589	1978.34119
1964.0	0.000517	1270.90930	1969.73132
2017.0	0.000494	1271.03271	1961.82141
2108.0	0.000473	1271.15613	1954.52380
2026.0	0.000494	1271.27954	1947.78027
1892.0	0.000541	1271.40295	1941.56360
2035.0	0.000494	1271.52649	1935.86218
2072.0	0.000473	1271.64990	1930.67786
2008.0	0.000494	1271.77332	1926.01379
2036.0	0.000494	1271.89685	1921.86597
1992.0	0.000494	1272.02026	1918.21155
1983.0	0.000494	1272.14380	1915.17468
1881.0	0.000541	1272.26721	1912.30005
1954.0	0.000517	1272.39075	1909.61328
1936.0	0.000517	1272.51416	1906.90491
1927.0	0.000517	1272.63770	1903.92529
1897.0	0.000517	1272.76111	1900.42456
1974.0	0.000517	1272.88464	1896.20276
1931.0	0.000517	1273.00806	1891.17664
1953.0	0.000517	1273.13159	1885.41992
1907.0	0.000517	1273.25500	1879.16931
1844.0	0.000541	1273.37842	1872.77747
1854.0	0.000541	1273.50195	1866.64758
1863.0	0.000541	1273.62537	1861.16553
1929.0	0.000517	1273.74890	1856.63477
1808.0	0.000541	1273.87231	1853.27344
1858.0	0.000541	1273.99573	1851.14734
1735.0	0.000567	1274.11914	1850.19873
1853.0	0.000541	1274.24268	1850.21814
1777.0	0.000567	1274.36609	1850.97974
1814.0	0.000541	1274.48950	1851.74390
1824.0	0.000541	1274.61292	1852.04468
1770.0	0.000567	1274.73633	1851.24597
1768.0	0.000567	1274.85974	1848.76294
1826.0	0.000541	1274.98303	1844.17407
1844.0	0.000541	1275.10645	1837.30017
1756.0	0.000567	1275.22986	1829.04602
1848.0	0.000541	1275.35315	1818.22192
1882.0	0.000541	1275.47656	1806.17651

1745.0	0.000567	1275.59985	1793.56177
1775.0	0.000567	1275.72314	1781.02734
1761.0	0.000567	1275.84644	1769.14978
1762.0	0.000567	1275.96973	1758.40234
1755.0	0.000567	1276.09302	1749.14673
1799.0	0.000567	1276.21631	1741.64185
1834.0	0.000541	1276.33948	1736.05347
1739.0	0.000567	1276.46277	1732.46558
1706.0	0.000595	1276.58594	1730.89075
1775.0	0.000567	1276.70911	1731.26941
1781.0	0.000567	1276.83240	1733.47156
1802.0	0.000567	1276.95544	1737.28381
1865.0	0.000541	1277.07861	1742.40271
1714.0	0.000595	1277.20178	1748.41577
1753.0	0.000567	1277.32483	1754.73376
1821.0	0.000541	1277.44788	1760.82983
1813.0	0.000541	1277.57092	1765.91699
1828.0	0.000541	1277.69397	1769.25171
1806.0	0.000541	1277.81702	1770.18701
1834.0	0.000541	1277.94006	1768.28320
1709.0	0.000595	1278.06299	1763.39819
1720.0	0.000595	1278.18591	1755.70374
1766.0	0.000567	1278.30884	1745.63049
1723.0	0.000567	1278.43164	1733.86072
1675.0	0.000595	1278.55457	1720.79590
1761.0	0.000567	1278.67737	1707.10364
1689.0	0.000595	1278.80029	1693.24902
1675.0	0.000595	1278.92297	1679.58972
1579.0	0.000625	1279.04578	1666.38159
1671.0	0.000595	1279.16846	1653.80139
1670.0	0.000595	1279.29114	1641.95801
1649.0	0.000595	1279.41382	1630.91248
1563.0	0.000625	1279.53650	1620.68640
1592.0	0.000625	1279.65918	1611.27429
1531.0	0.000657	1279.78174	1602.64453
1633.0	0.000625	1279.90430	1594.75525
1582.0	0.000625	1280.02673	1587.54883
1616.0	0.000625	1280.14917	1580.96362
1484.0	0.000657	1280.27173	1574.93225
1614.0	0.000625	1280.39404	1569.38733
1570.0	0.000625	1280.51648	1564.26282
1552.0	0.000657	1280.63879	1559.49829
1550.0	0.000657	1280.76111	1555.03601
1561.0	0.000625	1280.88342	1550.82605
1524.0	0.000657	1281.00562	1546.82349
1584.0	0.000625	1281.12781	1542.98999
1557.0	0.000657	1281.25000	1539.29443
1520.0	0.000657	1281.37219	1535.71008
1545.0	0.000657	1281.49426	1532.21655
1545.0	0.000657	1281.61633	1528.79871
1596.0	0.000625	1281.73828	1525.44275
1484.0	0.000657	1281.86023	1522.14441
1557.0	0.000657	1281.98218	1518.89709
1549.0	0.000657	1282.10400	1515.70020

1487.0	0.000657	1282.22583	1512.55676
1478.0	0.000693	1282.34766	1509.46985
1595.0	0.000625	1282.46948	1506.44373
1513.0	0.000657	1282.59119	1503.48730
1572.0	0.000625	1282.71277	1500.60596
1427.0	0.000693	1282.83447	1497.95056
1447.0	0.000693	1282.95605	1495.41321
1460.0	0.000693	1283.07751	1492.81555
1432.0	0.000693	1283.19897	1490.32666
1513.0	0.000657	1283.32043	1487.94336
1459.0	0.000693	1283.44189	1486.27197
1471.0	0.000693	1283.56323	1484.11023
1511.0	0.000657	1283.68445	1482.03870
1508.0	0.000657	1283.80579	1480.03564
1438.0	0.000693	1283.92688	1478.06458
1524.0	0.000657	1284.04810	1476.07288
1520.0	0.000657	1284.16919	1473.99109
1439.0	0.000693	1284.29016	1471.47937
1476.0	0.000693	1284.41125	1468.94800
1467.0	0.000693	1284.53210	1466.04126
1402.0	0.000730	1284.65308	1462.67957
1470.0	0.000693	1284.77380	1458.95752
1478.0	0.000693	1284.89465	1454.57959
1466.0	0.000693	1285.01538	1449.73523
1440.0	0.000693	1285.13599	1444.50598
1433.0	0.000693	1285.25659	1439.00366
1499.0	0.000657	1285.37720	1433.34790
1404.0	0.000730	1285.49768	1427.65369
1402.0	0.000730	1285.61804	1422.01575
1399.0	0.000730	1285.73853	1416.51721
1392.0	0.000730	1285.85876	1411.22192
1394.0	0.000730	1285.97913	1406.15955
1435.0	0.000693	1286.09924	1401.36377
1415.0	0.000693	1286.21936	1396.93176
1400.0	0.000730	1286.33948	1392.71375
1442.0	0.000693	1286.45947	1388.79138
1395.0	0.000730	1286.57947	1385.15808
1394.0	0.000730	1286.69934	1381.80908
1407.0	0.000693	1286.81921	1378.73669
1437.0	0.000693	1286.93896	1375.92224
1391.0	0.000730	1287.05872	1373.35779
1440.0	0.000693	1287.17834	1371.02966
1396.0	0.000730	1287.29785	1368.92407
1375.0	0.000730	1287.41748	1367.03076
1383.0	0.000730	1287.53687	1365.33557
1375.0	0.000730	1287.65625	1363.72913
1409.0	0.000693	1287.77551	1362.40173
1379.0	0.000730	1287.89478	1361.26343
1406.0	0.000693	1288.01392	1360.32190
1385.0	0.000730	1288.13306	1359.48926
1378.0	0.000730	1288.25208	1358.80994
1377.0	0.000730	1288.37109	1358.28247
1341.0	0.000730	1288.48999	1357.90479
1386.0	0.000730	1288.60876	1357.67578

1352.0	0.000730	1288.72754	1357.59961
1362.0	0.000730	1288.84619	1357.72034
1346.0	0.000730	1288.96484	1357.95825
1323.0	0.000772	1289.08337	1358.36096
1353.0	0.000730	1289.20178	1358.93933
1329.0	0.000772	1289.32019	1359.70642
1326.0	0.000772	1289.43848	1360.67798
1315.0	0.000772	1289.55676	1361.87280
1338.0	0.000730	1289.67493	1363.31750
1361.0	0.000730	1289.79297	1365.05298
1352.0	0.000730	1289.91101	1367.08606
1417.0	0.000693	1290.02893	1369.47314
1412.0	0.000693	1290.14685	1372.25732
1336.0	0.000730	1290.26453	1375.55518
1396.0	0.000730	1290.38220	1379.30054
1374.0	0.000730	1290.49988	1383.68787
1386.0	0.000730	1290.61743	1388.64307
1416.0	0.000693	1290.73486	1394.30383
1369.0	0.000730	1290.85229	1400.73718
1373.0	0.000730	1290.96948	1408.00903
1437.0	0.000693	1291.08679	1416.17847
1380.0	0.000730	1291.20386	1425.29553
1391.0	0.000730	1291.32092	1435.39441
1431.0	0.000693	1291.43787	1446.49341
1431.0	0.000693	1291.55469	1458.58215
1407.0	0.000693	1291.67151	1471.61523
1386.0	0.000730	1291.78821	1485.50256
1413.0	0.000693	1291.90479	1500.09241
1461.0	0.000693	1292.02136	1515.15540
1491.0	0.000657	1292.13770	1530.37256
1486.0	0.000657	1292.25415	1545.32544
1488.0	0.000657	1292.37036	1559.50598
1456.0	0.000693	1292.48657	1572.35669
1510.0	0.000657	1292.60266	1583.32666
1497.0	0.000657	1292.71863	1591.98218
1504.0	0.000657	1292.83447	1598.09668
1515.0	0.000657	1292.95032	1601.76563
1550.0	0.000657	1293.06604	1603.20972
1530.0	0.000657	1293.18164	1603.03076
1542.0	0.000657	1293.29724	1601.91675
1514.0	0.000657	1293.41260	1600.59607
1496.0	0.000657	1293.52808	1599.76147
1511.0	0.000657	1293.64331	1600.02783
1530.0	0.000657	1293.75842	1602.56848
1563.0	0.000625	1293.87341	1606.53467
1550.0	0.000657	1293.98853	1612.93396
1589.0	0.000625	1294.10327	1622.28992
1586.0	0.000625	1294.21802	1634.42883
1604.0	0.000625	1294.33276	1649.78540
1606.0	0.000625	1294.44739	1668.54065
1626.0	0.000625	1294.56189	1690.83496
1675.0	0.000595	1294.67615	1716.76038
1716.0	0.000595	1294.79053	1746.34656
1713.0	0.000595	1294.90466	1779.53638

1755.0	0.000567	1295.01880	1816.16479
1791.0	0.000567	1295.13269	1855.92358
1801.0	0.000567	1295.24658	1898.32727
1904.0	0.000517	1295.36035	1942.68982
1961.0	0.000517	1295.47400	1988.11658
2004.0	0.000494	1295.58765	2033.52563
2091.0	0.000473	1295.70105	2077.71240
2085.0	0.000473	1295.81445	2119.44336
2158.0	0.000473	1295.92773	2157.56592
2261.0	0.000434	1296.04077	2191.08911
2308.0	0.000434	1296.15393	2219.13916
2287.0	0.000434	1296.26685	2241.20166
2368.0	0.000416	1296.37964	2256.61914
2325.0	0.000434	1296.49231	2264.84863
2287.0	0.000434	1296.60498	2265.45703
2260.0	0.000434	1296.71753	2258.28345
2271.0	0.000434	1296.82996	2243.62769
2164.0	0.000453	1296.94214	2222.35742
2167.0	0.000453	1297.05432	2195.84961
2090.0	0.000473	1297.16638	2165.79810
2098.0	0.000473	1297.27832	2133.95776
2030.0	0.000494	1297.39026	2101.92969
1937.0	0.000517	1297.50195	2071.02563
1971.0	0.000517	1297.61353	2042.45300
2010.0	0.000494	1297.72510	2016.43628
1947.0	0.000517	1297.83643	1993.58423
1959.0	0.000517	1297.94775	1974.04944
1927.0	0.000517	1298.05884	1957.76892
1937.0	0.000517	1298.16992	1944.54956
2001.0	0.000494	1298.28076	1934.00366
1926.0	0.000517	1298.39172	1925.62195
1962.0	0.000517	1298.50232	1918.79578
1953.0	0.000517	1298.61292	1912.87378
1961.0	0.000517	1298.72339	1907.22156
1973.0	0.000517	1298.83374	1901.32080
1985.0	0.000494	1298.94397	1894.82751
1925.0	0.000517	1299.05408	1887.61194
1907.0	0.000517	1299.16406	1879.74524
1910.0	0.000517	1299.27393	1871.43530
1863.0	0.000541	1299.38367	1863.19373
1884.0	0.000541	1299.49316	1854.84143
1891.0	0.000541	1299.60278	1846.85437
1879.0	0.000541	1299.71204	1839.41589
1882.0	0.000541	1299.82129	1832.50696
1903.0	0.000517	1299.93042	1826.46399
1821.0	0.000541	1300.03943	1821.14465
1850.0	0.000541	1300.14832	1816.48962
1843.0	0.000541	1300.25708	1812.35889
1783.0	0.000567	1300.36572	1808.61584
1776.0	0.000567	1300.47424	1805.00098
1765.0	0.000567	1300.58252	1801.22119
1768.0	0.000567	1300.69080	1796.95203
1780.0	0.000567	1300.79895	1791.87598
1780.0	0.000567	1300.90686	1785.72729

1755.0	0.000567	1301.01477	1778.34802
1753.0	0.000567	1301.12256	1769.71814
1728.0	0.000567	1301.23010	1759.95007
1762.0	0.000567	1301.33752	1749.26819
1741.0	0.000567	1301.44482	1738.03442
1678.0	0.000595	1301.55212	1726.37354
1711.0	0.000595	1301.65918	1714.63525
1721.0	0.000595	1301.76611	1703.04285
1735.0	0.000567	1301.87292	1691.84326
1678.0	0.000595	1301.97961	1681.03650
1744.0	0.000567	1302.08618	1670.79089
1667.0	0.000595	1302.19250	1661.17676
1688.0	0.000595	1302.29883	1652.24597
1698.0	0.000595	1302.40491	1644.02832
1650.0	0.000595	1302.51086	1636.54712
1672.0	0.000595	1302.61682	1629.80725
1652.0	0.000595	1302.72253	1623.81055
1672.0	0.000595	1302.82813	1618.54626
1611.0	0.000625	1302.93347	1614.00122
1593.0	0.000625	1303.03882	1610.15210
1656.0	0.000595	1303.14404	1606.97327
1627.0	0.000625	1303.24902	1604.42859
1643.0	0.000595	1303.35388	1602.47656
1652.0	0.000595	1303.45862	1601.06348
1642.0	0.000595	1303.56323	1600.12512
1646.0	0.000595	1303.66772	1599.57825
1624.0	0.000625	1303.77209	1599.32275
1588.0	0.000625	1303.87622	1599.23804
1566.0	0.000625	1303.98022	1599.18713
1557.0	0.000657	1304.08411	1599.02087
1519.0	0.000657	1304.18787	1598.59583
1604.0	0.000625	1304.29150	1597.78979
1482.0	0.000657	1304.39490	1596.52332
1522.0	0.000657	1304.49829	1594.76526
1575.0	0.000625	1304.60144	1592.54871
1507.0	0.000657	1304.70447	1589.95435
1529.0	0.000657	1304.80725	1587.10339
1551.0	0.000657	1304.91003	1584.12952
1547.0	0.000657	1305.01257	1581.16809
1540.0	0.000657	1305.11499	1578.34424
1650.0	0.000595	1305.21729	1575.76794
1577.0	0.000625	1305.31946	1573.72791
1545.0	0.000657	1305.42139	1571.90576
1597.0	0.000625	1305.52319	1570.56506
1566.0	0.000625	1305.62488	1569.76660
1561.0	0.000625	1305.72644	1569.45288
1618.0	0.000625	1305.82776	1569.91589
1506.0	0.000657	1305.92896	1571.10547
1561.0	0.000625	1306.03003	1573.09277
1599.0	0.000625	1306.13098	1575.95752
1639.0	0.000625	1306.23169	1579.78796
1591.0	0.000625	1306.33240	1584.68396
1609.0	0.000625	1306.43274	1590.79712
1555.0	0.000657	1306.53308	1598.14380



1622.0	0.000625	1306.63318	1606.88904
1609.0	0.000625	1306.73315	1617.14771
1757.0	0.000567	1306.83301	1629.03125
1717.0	0.000595	1306.93262	1642.64026
1644.0	0.000595	1307.03223	1658.05859
1729.0	0.000567	1307.13147	1675.34338
1804.0	0.000567	1307.23071	1694.65234
1802.0	0.000567	1307.32971	1715.68713
1759.0	0.000567	1307.42859	1738.48291
1889.0	0.000541	1307.52734	1762.85193
1891.0	0.000541	1307.62585	1788.48547
1885.0	0.000541	1307.72424	1814.91833
1871.0	0.000541	1307.82239	1841.49988
1823.0	0.000541	1307.92053	1867.36011
1832.0	0.000541	1308.01843	1891.41870
1963.0	0.000517	1308.11609	1912.42957
1881.0	0.000541	1308.21375	1928.98987
1935.0	0.000517	1308.31104	1940.13184
1921.0	0.000517	1308.40833	1944.90735
1947.0	0.000517	1308.50537	1942.97437
1947.0	0.000517	1308.60229	1934.57764
1929.0	0.000517	1308.69910	1920.49365
1923.0	0.000517	1308.79565	1902.18298
1875.0	0.000541	1308.89197	1880.33435
1859.0	0.000541	1308.98828	1856.54309
1844.0	0.000541	1309.08435	1831.96411
1815.0	0.000541	1309.18018	1807.44507
1830.0	0.000541	1309.27600	1783.67163
1832.0	0.000541	1309.37146	1761.08093
1706.0	0.000595	1309.46692	1739.90442
1800.0	0.000567	1309.56213	1720.28369
1704.0	0.000595	1309.65723	1702.15894
1805.0	0.000567	1309.75208	1685.69629
1682.0	0.000595	1309.84680	1670.32922
1664.0	0.000595	1309.94128	1656.18518
1634.0	0.000625	1310.03564	1643.18835
1594.0	0.000625	1310.12988	1631.28369
1568.0	0.000625	1310.22388	1620.43201
1580.0	0.000625	1310.31763	1610.59619
1622.0	0.000625	1310.41138	1601.73315
1492.0	0.000657	1310.50488	1593.78442
1518.0	0.000657	1310.59814	1586.68359
1581.0	0.000625	1310.69128	1580.35449
1613.0	0.000625	1310.78418	1574.71863
1519.0	0.000657	1310.87695	1569.69690
1563.0	0.000625	1310.96960	1565.20801
1530.0	0.000657	1311.06201	1561.17676
1494.0	0.000657	1311.15430	1557.53125
1570.0	0.000625	1311.24634	1554.20422
1551.0	0.000657	1311.33826	1551.13525
1519.0	0.000657	1311.42993	1548.26965
1512.0	0.000657	1311.52148	1545.55518
1532.0	0.000657	1311.61279	1542.95288
1542.0	0.000657	1311.70398	1540.42322

1539.0	0.000657	1311.79492	1538.10999
1542.0	0.000657	1311.88574	1535.63940
1483.0	0.000657	1311.97632	1533.16443
1501.0	0.000657	1312.06677	1530.67078
1568.0	0.000625	1312.15698	1528.14746
1466.0	0.000693	1312.24707	1525.58887
1474.0	0.000693	1312.33691	1522.99255
1531.0	0.000657	1312.42664	1520.26685
1557.0	0.000657	1312.51611	1517.66052
1508.0	0.000657	1312.60547	1514.98022
1516.0	0.000657	1312.69458	1512.29004
1538.0	0.000657	1312.78357	1509.60779
1461.0	0.000693	1312.87231	1506.94946
1506.0	0.000657	1312.96082	1504.33704
1552.0	0.000657	1313.04932	1501.79395
1518.0	0.000657	1313.13745	1499.34827
1493.0	0.000657	1313.22546	1497.03125
1508.0	0.000657	1313.31323	1494.87793
1536.0	0.000657	1313.40088	1492.92822
1598.0	0.000625	1313.48828	1491.22839
1480.0	0.000693	1313.57556	1489.83069
1480.0	0.000693	1313.66260	1488.79346
1532.0	0.000657	1313.74951	1488.18604
1538.0	0.000657	1313.83618	1488.20520
1442.0	0.000693	1313.92261	1488.69727
1501.0	0.000657	1314.00891	1489.87988
1546.0	0.000657	1314.09497	1491.86499
1566.0	0.000625	1314.18091	1494.77588
1543.0	0.000657	1314.26660	1498.74304
1503.0	0.000657	1314.35205	1503.91345
1598.0	0.000625	1314.43738	1510.43872
1558.0	0.000657	1314.52246	1518.47998
1577.0	0.000625	1314.60742	1528.20093
1571.0	0.000625	1314.69214	1539.76147
1659.0	0.000595	1314.77661	1553.31763
1619.0	0.000625	1314.86096	1569.00647
1590.0	0.000625	1314.94507	1586.94482
1690.0	0.000595	1315.02905	1607.21265
1610.0	0.000625	1315.11267	1629.83936
1690.0	0.000595	1315.19629	1654.79138
1653.0	0.000595	1315.27954	1681.94470
1752.0	0.000567	1315.36267	1711.06787
1663.0	0.000595	1315.44568	1741.79407
1725.0	0.000567	1315.52832	1774.07410
1771.0	0.000567	1315.61084	1806.25757
1822.0	0.000541	1315.69324	1837.93359
1781.0	0.000567	1315.77527	1868.04639
1800.0	0.000567	1315.85718	1895.41333
1815.0	0.000541	1315.93896	1918.80786
1917.0	0.000517	1316.02039	1937.08179
1865.0	0.000541	1316.10168	1949.29895
1866.0	0.000541	1316.18286	1954.86414
1869.0	0.000541	1316.26367	1953.57214
1774.0	0.000567	1316.34436	1945.54272

1791.0	0.000567	1316.42493	1931.65710
1833.0	0.000541	1316.50513	1912.14441
1750.0	0.000567	1316.58521	1888.19543
1750.0	0.000567	1316.66504	1860.89319
1726.0	0.000567	1316.74475	1831.36853
1699.0	0.000595	1316.82410	1800.71741
1607.0	0.000625	1316.90344	1769.92700
1657.0	0.000595	1316.98242	1739.81531
1611.0	0.000625	1317.06128	1711.01355
1600.0	0.000625	1317.13977	1683.97437
1577.0	0.000625	1317.21826	1658.98914
1618.0	0.000625	1317.29639	1636.21948
1600.0	0.000625	1317.37439	1615.68811
1557.0	0.000657	1317.45215	1597.44458
1558.0	0.000657	1317.52966	1581.37683
1551.0	0.000657	1317.60706	1567.36206
1528.0	0.000657	1317.68420	1555.25134
1524.0	0.000657	1317.76099	1544.87402
1545.0	0.000657	1317.83777	1536.05212
1493.0	0.000657	1317.91418	1528.60242
1487.0	0.000657	1317.99048	1522.34778
1537.0	0.000657	1318.06653	1517.11731
1559.0	0.000657	1318.14246	1512.75024
1502.0	0.000657	1318.21802	1509.10217
1485.0	0.000657	1318.29346	1506.04138
1494.0	0.000657	1318.36853	1503.45215
1540.0	0.000657	1318.44348	1501.26526
1470.0	0.000693	1318.51831	1499.33179
1549.0	0.000657	1318.59290	1497.60938
1445.0	0.000693	1318.66724	1496.04028
1521.0	0.000657	1318.74121	1494.57190
1541.0	0.000657	1318.81519	1493.16565
1601.0	0.000625	1318.88879	1491.82141
1596.0	0.000625	1318.96228	1490.45044
1512.0	0.000657	1319.03540	1489.06897
1484.0	0.000657	1319.10852	1487.66077
1510.0	0.000657	1319.18127	1486.00806
1557.0	0.000657	1319.25378	1484.53564
1456.0	0.000693	1319.32617	1483.03064
1463.0	0.000693	1319.39832	1481.49878
1495.0	0.000657	1319.47021	1479.94836
1532.0	0.000657	1319.54187	1478.39417
1530.0	0.000657	1319.61328	1476.85278
1523.0	0.000657	1319.68445	1475.34387
1427.0	0.000693	1319.75549	1473.89172
1498.0	0.000657	1319.82617	1472.63562
1458.0	0.000693	1319.89673	1471.40942
1541.0	0.000657	1319.96716	1470.30212
1424.0	0.000693	1320.03723	1469.37354
1450.0	0.000693	1320.10706	1468.65833
1386.0	0.000730	1320.17676	1468.19287
1511.0	0.000657	1320.24609	1468.01111
1571.0	0.000625	1320.31531	1468.14478
1466.0	0.000693	1320.38428	1468.62207

1443.0	0.000693	1320.45300	1469.46606
1493.0	0.000657	1320.52148	1470.69214
1371.0	0.000730	1320.58972	1472.35217
1463.0	0.000693	1320.65784	1474.39404
1519.0	0.000657	1320.72571	1476.75024
1466.0	0.000693	1320.79321	1479.43872
1438.0	0.000693	1320.86060	1482.34497
1517.0	0.000657	1320.92773	1485.38501
1502.0	0.000657	1320.99451	1488.41516
1437.0	0.000693	1321.06128	1491.26147
1511.0	0.000657	1321.12769	1493.95264
1454.0	0.000693	1321.19385	1495.82617
1554.0	0.000657	1321.25977	1496.92822
1476.0	0.000693	1321.32556	1497.13074
1454.0	0.000693	1321.39111	1496.38269
1522.0	0.000657	1321.45630	1494.72205
1499.0	0.000657	1321.52136	1492.26880
1425.0	0.000693	1321.58618	1489.20825
1434.0	0.000693	1321.65076	1485.76453
1537.0	0.000657	1321.71497	1482.18335
1411.0	0.000693	1321.77905	1478.70544
1523.0	0.000657	1321.84302	1475.55603
1482.0	0.000657	1321.90649	1473.01965
1517.0	0.000657	1321.96997	1471.14001
1411.0	0.000693	1322.03308	1470.08765
1430.0	0.000693	1322.09595	1470.01526
1488.0	0.000657	1322.15869	1470.98889
1408.0	0.000693	1322.22107	1473.16699
1429.0	0.000693	1322.28333	1476.57397
1509.0	0.000657	1322.34521	1481.24963
1459.0	0.000693	1322.40686	1487.23828
1456.0	0.000693	1322.46838	1494.54114
1550.0	0.000657	1322.52966	1503.16687
1486.0	0.000657	1322.59058	1513.01990
1513.0	0.000657	1322.65137	1524.04553
1465.0	0.000693	1322.71179	1536.04321
1523.0	0.000657	1322.77209	1548.97839
1507.0	0.000657	1322.83215	1562.52307
1540.0	0.000657	1322.89185	1576.34119
1519.0	0.000657	1322.95142	1590.00818
1449.0	0.000693	1323.01074	1603.07629
1568.0	0.000625	1323.06982	1614.84900
1504.0	0.000657	1323.12854	1624.78369
1533.0	0.000657	1323.18713	1632.30652
1512.0	0.000657	1323.24548	1636.94153
1486.0	0.000657	1323.30359	1638.37439
1561.0	0.000625	1323.36133	1636.50000
1541.0	0.000657	1323.41895	1631.44006
1569.0	0.000625	1323.47632	1623.51831
1566.0	0.000625	1323.53333	1613.16333
1595.0	0.000625	1323.59021	1601.05298
1522.0	0.000657	1323.64685	1587.73108
1614.0	0.000625	1323.70313	1573.66248
1556.0	0.000657	1323.75928	1559.54016

1560.0	0.000657	1323.81519	1545.67334
1527.0	0.000657	1323.87073	1532.38306
1508.0	0.000657	1323.92603	1519.91150
1523.0	0.000657	1323.98120	1508.44421
1515.0	0.000657	1324.03601	1498.09021
1558.0	0.000657	1324.09058	1488.93909
1443.0	0.000693	1324.14502	1481.04773
1529.0	0.000657	1324.19910	1474.44971
1531.0	0.000657	1324.25293	1469.16602
1518.0	0.000657	1324.30652	1465.20654
1522.0	0.000657	1324.35986	1462.57544
1491.0	0.000657	1324.41296	1461.27405
1538.0	0.000657	1324.46582	1461.30176
1494.0	0.000657	1324.51843	1462.65881
1508.0	0.000657	1324.57080	1465.34241
1530.0	0.000657	1324.62292	1469.35205
1509.0	0.000657	1324.67468	1474.74976
1540.0	0.000657	1324.72632	1481.39490
1496.0	0.000657	1324.77759	1489.33606
1501.0	0.000657	1324.82874	1498.53857
1538.0	0.000657	1324.87952	1508.95154
1528.0	0.000657	1324.93018	1520.48840
1514.0	0.000657	1324.98035	1533.02258
1568.0	0.000625	1325.03052	1546.37146
1534.0	0.000657	1325.08020	1560.29016
1563.0	0.000625	1325.12988	1574.45837
1537.0	0.000657	1325.17908	1588.49170
1568.0	0.000625	1325.22815	1601.95190
1573.0	0.000625	1325.27686	1614.38708
1522.0	0.000657	1325.32544	1625.60889
1527.0	0.000657	1325.37366	1634.82031
1603.0	0.000625	1325.42163	1642.02332
1516.0	0.000657	1325.46936	1647.11108
1588.0	0.000625	1325.51685	1650.06714
1585.0	0.000625	1325.56409	1650.92529
1615.0	0.000625	1325.61108	1649.72241
1575.0	0.000625	1325.65771	1646.48328
1575.0	0.000625	1325.70422	1641.22791
1576.0	0.000625	1325.75037	1634.01221
1508.0	0.000657	1325.79626	1624.96753
1558.0	0.000657	1325.84192	1614.32837
1543.0	0.000657	1325.88733	1602.43152
1562.0	0.000625	1325.93250	1589.67664
1576.0	0.000625	1325.97729	1576.49243
1507.0	0.000657	1326.02197	1563.50574
1550.0	0.000657	1326.06628	1550.61609
1491.0	0.000657	1326.11047	1538.38513
1463.0	0.000693	1326.15417	1526.90222
1474.0	0.000693	1326.19775	1516.43054
1521.0	0.000657	1326.24109	1506.93018
1518.0	0.000657	1326.28406	1498.50952
1505.0	0.000657	1326.32690	1491.18030
1433.0	0.000693	1326.36938	1484.93494
1462.0	0.000693	1326.41162	1479.74377

1468.0	0.000693	1326.45349	1475.56860
1438.0	0.000693	1326.49524	1472.36426
1459.0	0.000693	1326.53674	1470.07837
1463.0	0.000693	1326.57788	1468.65222
1515.0	0.000657	1326.61877	1468.02783
1459.0	0.000693	1326.65942	1468.14417
1480.0	0.000693	1326.69983	1468.93481
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1540.0	0.000657	1326.77979	1472.88855
1462.0	0.000693	1326.81934	1475.37256
1483.0	0.000657	1326.85864	1478.13025
1532.0	0.000657	1326.89758	1481.15076
1520.0	0.000657	1326.93640	1484.37634
1460.0	0.000693	1326.97498	1487.58655
1486.0	0.000657	1327.01306	1490.64966
1533.0	0.000657	1327.05115	1493.45117
1496.0	0.000657	1327.08875	1495.87366
1537.0	0.000657	1327.12622	1497.84314
1488.0	0.000657	1327.16333	1499.33472
1540.0	0.000657	1327.20020	1500.41528
1507.0	0.000657	1327.23682	1501.12878
1506.0	0.000657	1327.27319	1501.63025
1534.0	0.000657	1327.30920	1502.06604
1500.0	0.000657	1327.34497	1502.58386
1524.0	0.000657	1327.38049	1503.32129
1474.0	0.000693	1327.41577	1504.40247
1511.0	0.000657	1327.45068	1505.95227
1499.0	0.000657	1327.48547	1508.04980
1497.0	0.000657	1327.51990	1510.79907
1485.0	0.000657	1327.55396	1514.29138
1532.0	0.000657	1327.58789	1518.61047
1555.0	0.000657	1327.62146	1523.84338
1517.0	0.000657	1327.65479	1530.06995
1606.0	0.000625	1327.68787	1537.37207
1602.0	0.000625	1327.72058	1545.82397
1530.0	0.000657	1327.75317	1555.49915
1580.0	0.000625	1327.78540	1566.45801
1651.0	0.000595	1327.81726	1578.75305
1630.0	0.000625	1327.84900	1592.41931
1637.0	0.000625	1327.88037	1607.46814
1630.0	0.000625	1327.91150	1623.87830
1665.0	0.000595	1327.94238	1641.58313
1654.0	0.000595	1327.97290	1660.45764
1695.0	0.000595	1328.00317	1680.30298
1667.0	0.000595	1328.03320	1700.82959
1730.0	0.000567	1328.06299	1721.65515
1786.0	0.000567	1328.09241	1742.59619
1729.0	0.000567	1328.12158	1762.51074
1743.0	0.000567	1328.15051	1781.12024
1832.0	0.000541	1328.17920	1797.88525
1810.0	0.000541	1328.20752	1812.37280
1804.0	0.000567	1328.23560	1824.29846
1810.0	0.000541	1328.26331	1833.54468
1823.0	0.000541	1328.29089	1840.14539

1869.0	0.000541	1328.31812	1844.22949
1859.0	0.000541	1328.34497	1845.97021
1848.0	0.000541	1328.37170	1846.41553
1878.0	0.000541	1328.39807	1843.94458
1903.0	0.000517	1328.42419	1839.50525
1793.0	0.000567	1328.44995	1833.10742
1867.0	0.000541	1328.47559	1824.70471
1842.0	0.000541	1328.50085	1814.21643
1825.0	0.000541	1328.52576	1801.57800
1753.0	0.000567	1328.55054	1786.80774
1694.0	0.000595	1328.57495	1770.05884
1682.0	0.000595	1328.59900	1751.64966
1648.0	0.000595	1328.62292	1732.03845
1615.0	0.000625	1328.64648	1711.76233
1631.0	0.000625	1328.66968	1691.36426
1607.0	0.000625	1328.69275	1671.33508
1610.0	0.000625	1328.71545	1652.07312
1572.0	0.000625	1328.73792	1633.89807
1553.0	0.000657	1328.76001	1616.96826
1565.0	0.000625	1328.78186	1601.42126
1588.0	0.000625	1328.80347	1587.32886
1527.0	0.000657	1328.82471	1574.65881
1559.0	0.000657	1328.84583	1563.39478
1537.0	0.000657	1328.86646	1553.56213
1548.0	0.000657	1328.88696	1544.90869
1481.0	0.000693	1328.90710	1537.42957
1585.0	0.000625	1328.92700	1531.02832
1537.0	0.000657	1328.94653	1525.60620
1498.0	0.000657	1328.96582	1521.06384
1553.0	0.000657	1328.98486	1517.30872
1536.0	0.000657	1329.00354	1514.25220
1510.0	0.000657	1329.02197	1511.81470
1493.0	0.000657	1329.04016	1509.83875
1522.0	0.000657	1329.05798	1508.43640
1503.0	0.000657	1329.07556	1507.46912
1465.0	0.000693	1329.09290	1506.89148
1524.0	0.000657	1329.10986	1506.66614
1533.0	0.000657	1329.12659	1506.76367
1554.0	0.000657	1329.14294	1507.15747
1539.0	0.000657	1329.15906	1507.82263
1550.0	0.000657	1329.17493	1508.73901
1535.0	0.000657	1329.19055	1509.87622
1564.0	0.000625	1329.20581	1511.23608
1531.0	0.000657	1329.22070	1512.71912
1559.0	0.000657	1329.23535	1514.30225
1538.0	0.000657	1329.24976	1515.91699
1559.0	0.000657	1329.26392	1517.48108
1553.0	0.000657	1329.27771	1518.89514
1588.0	0.000625	1329.29126	1520.05664
1573.0	0.000625	1329.30444	1520.86377
1547.0	0.000657	1329.31738	1521.24304
1575.0	0.000625	1329.33008	1521.15540
1525.0	0.000657	1329.34241	1520.61804
1517.0	0.000657	1329.35449	1519.70508

1619.0	0.000625	1329.36621	1518.48486
1496.0	0.000657	1329.37781	1517.23193
1590.0	0.000625	1329.38892	1516.06665
1510.0	0.000657	1329.39990	1515.16003
1642.0	0.000595	1329.41040	1514.66687
1594.0	0.000625	1329.42078	1514.71289
1497.0	0.000657	1329.43079	1515.39270
1581.0	0.000625	1329.44055	1516.76172
1524.0	0.000657	1329.44995	1518.83716
1519.0	0.000657	1329.45911	1521.65125
1568.0	0.000625	1329.46790	1525.02087
1519.0	0.000657	1329.47644	1528.87720
1544.0	0.000657	1329.48474	1533.03406
1450.0	0.000693	1329.49280	1537.23755
1582.0	0.000625	1329.50037	1541.16504
1467.0	0.000693	1329.50781	1544.44067
1516.0	0.000657	1329.51489	1546.70398
1481.0	0.000693	1329.52161	1547.48254
1453.0	0.000693	1329.52820	1546.51343
1438.0	0.000693	1329.53430	1543.62732
1473.0	0.000693	1329.54028	1538.82129
1417.0	0.000693	1329.54590	1532.26074
1422.0	0.000693	1329.55115	1524.27502
1498.0	0.000657	1329.55627	1515.15967
1491.0	0.000657	1329.56091	1505.33325
1520.0	0.000657	1329.56531	1495.15381
1420.0	0.000693	1329.56946	1484.92285
1521.0	0.000657	1329.57336	1474.88135
1442.0	0.000693	1329.57678	1465.20496
1354.0	0.000730	1329.58008	1456.02112
1504.0	0.000657	1329.58301	1447.41248
1368.0	0.000730	1329.58569	1439.42798
1357.0	0.000730	1329.58801	1432.09045
1340.0	0.000730	1329.59009	1425.68066
1354.0	0.000730	1329.59180	1419.63721
1353.0	0.000730	1329.59326	1414.20911
1408.0	0.000693	1329.59448	1409.36426
1314.0	0.000772	1329.59534	1405.06592
1370.0	0.000730	1329.59583	1401.27258
1376.0	0.000730	1329.59619	1397.95520
1390.0	0.000730	1329.59607	1395.04248
1404.0	0.000730	1329.59583	1392.50708
1366.0	0.000730	1329.59509	1390.31396
1359.0	0.000730	1329.59424	1388.41565
1389.0	0.000730	1329.59302	1386.78833
1405.0	0.000730	1329.59143	1385.39124
1392.0	0.000730	1329.58960	1384.20569
1392.0	0.000730	1329.58752	1383.37573
1316.0	0.000772	1329.58508	1382.54431
1357.0	0.000730	1329.58240	1381.86560
1411.0	0.000693	1329.57935	1381.38513
1367.0	0.000730	1329.57605	1380.97144
1367.0	0.000730	1329.57239	1380.67615
1389.0	0.000730	1329.56848	1380.49341



1364.0	0.000730	1329.56421	1380.41833
1400.0	0.000730	1329.55969	1380.44983
1333.0	0.000730	1329.55493	1380.58557
1377.0	0.000730	1329.54980	1380.82507
1355.0	0.000730	1329.54431	1381.17517
1327.0	0.000772	1329.53857	1381.63464
1414.0	0.000693	1329.53259	1382.08435
1440.0	0.000693	1329.52625	1382.78870
1355.0	0.000730	1329.51965	1383.62976
1449.0	0.000693	1329.51270	1384.62280
1287.0	0.000772	1329.50549	1385.87415
1368.0	0.000730	1329.49792	1387.22705
1357.0	0.000730	1329.49011	1388.79358
1424.0	0.000693	1329.48193	1390.60522
1395.0	0.000730	1329.47351	1392.69739
1409.0	0.000693	1329.46484	1395.10950
1439.0	0.000693	1329.45569	1397.88367
1411.0	0.000693	1329.44641	1401.07092
1409.0	0.000693	1329.43677	1404.72266
1416.0	0.000693	1329.42676	1408.89307
1422.0	0.000693	1329.41663	1413.64148
1433.0	0.000693	1329.40601	1419.02429
1429.0	0.000693	1329.39514	1425.09363
1458.0	0.000693	1329.38391	1431.90674
1382.0	0.000730	1329.37244	1439.49316
1424.0	0.000693	1329.36072	1448.32837
1463.0	0.000693	1329.34863	1458.63379
1500.0	0.000657	1329.33630	1468.69788
1475.0	0.000693	1329.32361	1479.55591
1533.0	0.000657	1329.31067	1491.14355
1499.0	0.000657	1329.29736	1503.34717
1413.0	0.000693	1329.28369	1515.99915
1545.0	0.000657	1329.26990	1528.86450
1491.0	0.000657	1329.25562	1541.63525
1584.0	0.000625	1329.24121	1553.94299
1539.0	0.000657	1329.22632	1565.91675
1494.0	0.000657	1329.21118	1576.08997
1516.0	0.000657	1329.19580	1584.68054
1607.0	0.000625	1329.18005	1591.51880
1587.0	0.000625	1329.16406	1596.62170
1512.0	0.000657	1329.14771	1600.19470
1552.0	0.000657	1329.13110	1602.59131
1497.0	0.000657	1329.11414	1604.24744
1571.0	0.000625	1329.09692	1605.59680
1533.0	0.000657	1329.07935	1607.02844
1570.0	0.000625	1329.06152	1608.83740
1542.0	0.000657	1329.04333	1611.21277
1495.0	0.000657	1329.02490	1614.24280
1487.0	0.000657	1329.00610	1617.92566
1551.0	0.000657	1328.98706	1622.19312
1561.0	0.000625	1328.96765	1626.95215
1566.0	0.000625	1328.94800	1632.11853
1509.0	0.000657	1328.92798	1637.65198
1531.0	0.000657	1328.90771	1643.58936

1670.0	0.000595	1328.88708	1650.04004
1521.0	0.000657	1328.86621	1657.19629
1629.0	0.000625	1328.84497	1665.22729
1699.0	0.000595	1328.82349	1674.34460
1703.0	0.000595	1328.80164	1684.69666
1638.0	0.000625	1328.77954	1696.35010
1610.0	0.000625	1328.75708	1709.26172
1650.0	0.000595	1328.73438	1723.25769
1689.0	0.000595	1328.71130	1738.05396
1717.0	0.000595	1328.68799	1753.10828
1731.0	0.000567	1328.66431	1767.82129
1704.0	0.000595	1328.64038	1781.42810
1772.0	0.000567	1328.61609	1793.08618
1776.0	0.000567	1328.59143	1801.95459
1717.0	0.000595	1328.56665	1807.43896
1842.0	0.000541	1328.54138	1808.81433
1766.0	0.000567	1328.51587	1806.03455
1757.0	0.000567	1328.49011	1799.27649
1769.0	0.000567	1328.46399	1788.96436
1761.0	0.000567	1328.43750	1775.89551
1746.0	0.000567	1328.41077	1760.80273
1762.0	0.000567	1328.38379	1744.47339
1762.0	0.000567	1328.35645	1727.62317
1817.0	0.000541	1328.32886	1710.85815
1747.0	0.000567	1328.30078	1694.65820
1675.0	0.000595	1328.27258	1679.46423
1684.0	0.000595	1328.24402	1665.38672
1575.0	0.000625	1328.21509	1652.67334
1679.0	0.000595	1328.18591	1641.43225
1533.0	0.000657	1328.15649	1631.71692
1670.0	0.000595	1328.12659	1623.46851
1526.0	0.000657	1328.09656	1616.82129
1610.0	0.000625	1328.06616	1611.66638
1583.0	0.000625	1328.03540	1607.96106
1512.0	0.000657	1328.00439	1605.65112
1533.0	0.000657	1327.97302	1604.68652
1525.0	0.000657	1327.94141	1605.08105
1560.0	0.000625	1327.90942	1606.67969
1546.0	0.000657	1327.87720	1609.51672
1509.0	0.000657	1327.84460	1613.58838
1541.0	0.000657	1327.81177	1618.90442
1599.0	0.000625	1327.77856	1625.50232
1646.0	0.000595	1327.74512	1633.47620
1595.0	0.000625	1327.71130	1643.47266
1575.0	0.000625	1327.67712	1654.35742
1681.0	0.000595	1327.64282	1666.83240
1660.0	0.000595	1327.60803	1681.04346
1634.0	0.000625	1327.57300	1697.25391
1694.0	0.000595	1327.53772	1715.30969
1743.0	0.000567	1327.50208	1735.38501
1727.0	0.000567	1327.46606	1757.70947
1803.0	0.000567	1327.42981	1782.26624
1810.0	0.000541	1327.39331	1809.06006
1899.0	0.000517	1327.35645	1837.91187

1885.0	0.000541	1327.31921	1868.92065
1964.0	0.000517	1327.28174	1901.71130
2064.0	0.000494	1327.24402	1935.91125
2106.0	0.000473	1327.20581	1970.89612
2027.0	0.000494	1327.16748	2005.89355
2173.0	0.000453	1327.12878	2040.08691
2159.0	0.000473	1327.08972	2071.70801
2146.0	0.000473	1327.05042	2099.47314
2120.0	0.000473	1327.01074	2121.77197
2182.0	0.000453	1326.97083	2137.10254
2183.0	0.000453	1326.93054	2144.30884
2245.0	0.000453	1326.88989	2142.80786
2082.0	0.000473	1326.84912	2132.86670
2119.0	0.000473	1326.80786	2115.00073
2010.0	0.000494	1326.76636	2090.67358
2002.0	0.000494	1326.72461	2061.49463
1932.0	0.000517	1326.68250	2029.10803
1982.0	0.000494	1326.64001	1995.02991
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1811.0	0.000541	1326.55432	1926.83374
1863.0	0.000541	1326.51099	1894.32104
1889.0	0.000541	1326.46729	1863.73145
1840.0	0.000541	1326.42334	1835.47632
1779.0	0.000567	1326.37915	1809.70483
1737.0	0.000567	1326.33459	1786.98401
1805.0	0.000567	1326.28967	1766.49219
1787.0	0.000567	1326.24451	1748.59033
1862.0	0.000541	1326.19897	1733.15002
1723.0	0.000567	1326.15320	1720.01392
1750.0	0.000567	1326.10706	1708.94299
1797.0	0.000567	1326.06067	1699.72583
1774.0	0.000567	1326.01392	1692.14441
1757.0	0.000567	1325.96692	1686.00525
1769.0	0.000567	1325.91956	1681.16113
1825.0	0.000541	1325.87195	1677.47095
1697.0	0.000595	1325.82397	1674.99036
1743.0	0.000567	1325.77576	1673.67188
1698.0	0.000595	1325.72717	1673.53748
1772.0	0.000567	1325.67834	1674.61157
1736.0	0.000567	1325.62915	1676.98303
1656.0	0.000595	1325.57959	1680.48657
1727.0	0.000567	1325.52979	1685.14001
1763.0	0.000567	1325.47974	1690.83630
1651.0	0.000595	1325.42932	1697.41382
1704.0	0.000595	1325.37866	1704.63440
1687.0	0.000595	1325.32764	1712.40698
1715.0	0.000595	1325.27625	1719.99573
1655.0	0.000595	1325.22461	1727.01062
1673.0	0.000595	1325.17261	1733.00830
1657.0	0.000595	1325.12036	1737.50781
1628.0	0.000625	1325.06787	1740.07556
1753.0	0.000567	1325.01501	1740.40222
1654.0	0.000595	1324.96179	1738.47217
1657.0	0.000595	1324.90833	1734.10229

1689.0	0.000595	1324.85449	1727.65662
1763.0	0.000567	1324.80042	1719.51428
1689.0	0.000595	1324.74609	1710.13342
1736.0	0.000567	1324.69128	1699.99121
1669.0	0.000595	1324.63635	1690.12891
1657.0	0.000595	1324.58105	1679.73303
1679.0	0.000595	1324.52539	1669.70801
1652.0	0.000595	1324.46948	1660.28711
1696.0	0.000595	1324.41321	1651.63550
1621.0	0.000625	1324.35669	1643.85498
1584.0	0.000625	1324.29980	1636.99988
1681.0	0.000595	1324.24268	1631.07507
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1623.0	0.000625	1324.12744	1621.89966
1683.0	0.000595	1324.06934	1618.42615
1657.0	0.000595	1324.01099	1615.51538
1667.0	0.000595	1323.95227	1613.02502
1612.0	0.000625	1323.89331	1610.79541
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1648.0	0.000595	1323.77441	1606.56226
1651.0	0.000595	1323.71448	1604.34338
1637.0	0.000625	1323.65430	1602.01050
1605.0	0.000625	1323.59375	1599.57886
1598.0	0.000625	1323.53296	1597.09900
1668.0	0.000595	1323.47180	1594.63953
1577.0	0.000625	1323.41040	1592.27112
1642.0	0.000595	1323.34875	1590.05835
1576.0	0.000625	1323.28662	1588.05798
1588.0	0.000625	1323.22424	1586.31262
1564.0	0.000625	1323.16162	1584.96021
1579.0	0.000625	1323.09875	1583.80200
1608.0	0.000625	1323.03540	1582.95691
1567.0	0.000625	1322.97180	1582.42773
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1508.0	0.000657	1322.84387	1582.31274
1539.0	0.000657	1322.77930	1582.71472
1567.0	0.000625	1322.71460	1583.41089
1518.0	0.000657	1322.64954	1584.40491
1534.0	0.000657	1322.58411	1585.68604
1531.0	0.000657	1322.51843	1587.25171
1541.0	0.000657	1322.45239	1589.10034
1556.0	0.000657	1322.38611	1591.23206
1522.0	0.000657	1322.31946	1593.65186
1520.0	0.000657	1322.25256	1596.36206
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1559.0	0.000657	1322.05005	1606.32678
1566.0	0.000625	1321.98193	1610.28760
1554.0	0.000657	1321.91357	1614.58264
1623.0	0.000625	1321.84485	1619.21643
1621.0	0.000625	1321.77576	1624.18970
1639.0	0.000625	1321.70642	1629.49744
1699.0	0.000595	1321.63684	1635.12390
1708.0	0.000595	1321.56689	1641.04138

1715.0	0.000595	1321.49658	1647.20813
1772.0	0.000567	1321.42615	1653.56482
1706.0	0.000595	1321.35522	1660.03711
1750.0	0.000567	1321.28418	1666.54382
1711.0	0.000595	1321.21265	1673.01062
1751.0	0.000567	1321.14099	1679.39014
1743.0	0.000567	1321.06885	1685.67749
1736.0	0.000567	1320.99658	1691.93188
1791.0	0.000567	1320.92395	1698.26599
1780.0	0.000567	1320.85095	1704.85840
1709.0	0.000595	1320.77771	1711.95081
1770.0	0.000567	1320.70422	1719.66895
1811.0	0.000541	1320.63037	1728.26062
1820.0	0.000541	1320.55615	1737.91565
1805.0	0.000567	1320.48169	1748.80872
1849.0	0.000541	1320.40698	1761.11047
1860.0	0.000541	1320.33191	1775.00549
1827.0	0.000541	1320.25659	1790.70081
1886.0	0.000541	1320.18091	1808.58850
1901.0	0.000517	1320.10498	1828.66711
1951.0	0.000517	1320.02869	1851.39441
1872.0	0.000541	1319.95215	1877.22021
1939.0	0.000517	1319.87537	1906.17371
1972.0	0.000517	1319.79810	1938.63416
2014.0	0.000494	1319.72070	1974.70947
2047.0	0.000494	1319.64294	2014.43201
2038.0	0.000494	1319.56494	2057.65967
2107.0	0.000473	1319.48657	2104.04639
2075.0	0.000473	1319.40784	2153.00708
2169.0	0.000453	1319.32898	2203.66821
2183.0	0.000453	1319.24976	2254.86621
2106.0	0.000473	1319.17017	2305.07080
2169.0	0.000453	1319.09033	2352.52075
2215.0	0.000453	1319.01025	2395.38428
2266.0	0.000434	1318.92981	2431.92651
2239.0	0.000453	1318.84900	2461.05640
2181.0	0.000453	1318.76807	2481.43384
2294.0	0.000434	1318.68677	2493.19263
2257.0	0.000434	1318.60510	2496.77612
2265.0	0.000434	1318.52319	2492.99341
2293.0	0.000434	1318.44092	2482.75928
2286.0	0.000434	1318.35840	2466.89453
2277.0	0.000434	1318.27563	2445.99829
2284.0	0.000434	1318.19250	2420.48145
2243.0	0.000453	1318.10913	2390.73975
2218.0	0.000453	1318.02539	2357.08057
2196.0	0.000453	1317.94141	2320.07861
2182.0	0.000453	1317.85718	2280.42212
2136.0	0.000473	1317.77258	2238.93652
2083.0	0.000473	1317.68774	2196.46802
2087.0	0.000473	1317.60254	2153.88281
2020.0	0.000494	1317.51709	2111.96753
2018.0	0.000494	1317.43127	2071.41797
2060.0	0.000494	1317.34521	2032.82141

1967.0	0.000517	1317.25891	1996.64404
1982.0	0.000494	1317.17224	1963.23853
1886.0	0.000541	1317.08533	1932.84412
1961.0	0.000517	1316.99805	1905.60205
1896.0	0.000517	1316.91064	1881.57166
1937.0	0.000517	1316.82275	1860.74255
1896.0	0.000517	1316.73462	1843.05945
1846.0	0.000541	1316.64624	1828.43127
1865.0	0.000541	1316.55750	1816.76721
1836.0	0.000541	1316.46851	1807.89954
1850.0	0.000541	1316.37927	1801.72302
1880.0	0.000541	1316.28967	1798.11145
1843.0	0.000541	1316.19983	1796.94226
1862.0	0.000541	1316.10962	1798.04333
1866.0	0.000541	1316.01917	1801.41492
1809.0	0.000541	1315.92847	1806.91821
1843.0	0.000541	1315.83740	1814.39709
1831.0	0.000541	1315.74609	1823.76257
1870.0	0.000541	1315.65454	1834.89185
1825.0	0.000541	1315.56262	1847.64600
1861.0	0.000541	1315.47034	1861.85291
1861.0	0.000541	1315.37793	1877.46985
1927.0	0.000517	1315.28516	1893.89404
1911.0	0.000517	1315.19202	1910.95422
1888.0	0.000541	1315.09863	1928.23462
1941.0	0.000517	1315.00513	1945.23486
1867.0	0.000541	1314.91113	1961.39148
1927.0	0.000517	1314.81689	1976.10962
1911.0	0.000517	1314.72241	1988.82373
1908.0	0.000517	1314.62756	1999.07300
1976.0	0.000517	1314.53247	2006.76184
1952.0	0.000517	1314.43713	2011.52783
1970.0	0.000517	1314.34143	2013.80322
1915.0	0.000517	1314.24548	2013.91833
1983.0	0.000494	1314.14917	2012.58948
1960.0	0.000517	1314.05273	2010.53625
2069.0	0.000494	1313.95593	2008.48328
2006.0	0.000494	1313.85876	2007.09131
2041.0	0.000494	1313.76135	2006.91235
2097.0	0.000473	1313.66370	2008.30408
2028.0	0.000494	1313.56580	2011.66589
2051.0	0.000494	1313.46753	2017.06018
2055.0	0.000494	1313.36890	2024.46228
2064.0	0.000494	1313.27014	2033.68250
2105.0	0.000473	1313.17102	2044.36072
2133.0	0.000473	1313.07166	2055.96289
2077.0	0.000473	1312.97192	2067.78198
2121.0	0.000473	1312.87195	2078.96899
2091.0	0.000473	1312.77173	2088.59253
2110.0	0.000473	1312.67114	2095.74756
2115.0	0.000473	1312.57043	2099.62695
2101.0	0.000473	1312.46924	2099.76025
2047.0	0.000494	1312.36792	2095.87524
2065.0	0.000494	1312.26624	2088.14429

2097.0	0.000473	1312.16431	2077.05322
2066.0	0.000494	1312.06201	2063.29590
2108.0	0.000473	1311.95947	2047.68152
2062.0	0.000494	1311.85669	2031.03821
2001.0	0.000494	1311.75366	2014.14575
1967.0	0.000517	1311.65027	1997.67810
1927.0	0.000517	1311.54663	1982.17834
1937.0	0.000517	1311.44275	1968.04004
1975.0	0.000517	1311.33850	1955.50513
1926.0	0.000517	1311.23401	1944.68933
1966.0	0.000517	1311.12915	1935.53137
1928.0	0.000517	1311.02417	1928.07446
1965.0	0.000517	1310.91882	1921.84070
1850.0	0.000541	1310.81323	1916.79321
1949.0	0.000517	1310.70740	1912.79224
1840.0	0.000541	1310.60120	1909.77844
1933.0	0.000517	1310.49463	1907.78491
1938.0	0.000517	1310.38794	1906.92847
1876.0	0.000541	1310.28101	1907.36023
1949.0	0.000517	1310.17371	1909.23328
1926.0	0.000517	1310.06604	1912.64685
1889.0	0.000541	1309.95825	1917.60950
1906.0	0.000517	1309.85010	1924.01917
1922.0	0.000517	1309.74170	1931.65027
2012.0	0.000494	1309.63306	1940.15259
1906.0	0.000517	1309.52417	1949.18738
2023.0	0.000494	1309.41492	1957.93872
1950.0	0.000517	1309.30530	1965.89807
1984.0	0.000494	1309.19556	1972.40588
2028.0	0.000494	1309.08557	1976.81384
2010.0	0.000494	1308.97522	1978.56030
1911.0	0.000517	1308.86450	1977.23242
2019.0	0.000494	1308.75366	1972.64172
2005.0	0.000494	1308.64246	1964.86938
2011.0	0.000494	1308.53101	1954.26343
1925.0	0.000517	1308.41931	1941.40222
1894.0	0.000517	1308.30737	1927.02991
1895.0	0.000517	1308.19507	1911.86670
2006.0	0.000494	1308.08252	1896.68701
1884.0	0.000541	1307.96985	1882.16455
1881.0	0.000541	1307.85669	1868.86938
1875.0	0.000541	1307.74329	1857.27026
1883.0	0.000541	1307.62964	1847.73022
1892.0	0.000541	1307.51587	1840.52039
1839.0	0.000541	1307.40161	1835.82861
1852.0	0.000541	1307.28723	1833.75586
1844.0	0.000541	1307.17249	1834.35510
1901.0	0.000517	1307.05750	1837.57483
1838.0	0.000541	1306.94226	1843.29578
1876.0	0.000541	1306.82666	1851.41650
1894.0	0.000517	1306.71094	1861.44104
1929.0	0.000517	1306.59485	1873.09790
1940.0	0.000517	1306.47852	1885.94922
1913.0	0.000517	1306.36194	1899.53760

1979.0	0.000517	1306.24512	1913.42871
1920.0	0.000517	1306.12793	1927.26440
1838.0	0.000541	1306.01050	1940.79944
1935.0	0.000517	1305.89282	1953.88977
1896.0	0.000517	1305.77490	1966.45654
1912.0	0.000517	1305.65662	1978.40857
1918.0	0.000517	1305.53809	1989.57153
1943.0	0.000517	1305.41943	1999.62427
1876.0	0.000541	1305.30042	2008.10010
2027.0	0.000494	1305.18115	2014.32544
1941.0	0.000517	1305.06165	2017.62622
1898.0	0.000517	1304.94177	2017.34717
1886.0	0.000541	1304.82166	2012.99170
1958.0	0.000517	1304.70129	2004.33105
1901.0	0.000517	1304.58081	1991.44971
1996.0	0.000494	1304.45984	1974.73645
1876.0	0.000541	1304.33875	1954.81958
1806.0	0.000567	1304.21741	1932.55823
1905.0	0.000517	1304.09570	1908.62378
1915.0	0.000517	1303.97375	1883.96411
1833.0	0.000541	1303.85144	1859.13464
1822.0	0.000541	1303.72913	1834.80322
1860.0	0.000541	1303.60632	1811.43921
1722.0	0.000567	1303.48328	1789.39417
1762.0	0.000567	1303.36011	1768.91772
1751.0	0.000567	1303.23657	1750.16199
1784.0	0.000567	1303.11279	1733.22986
1759.0	0.000567	1302.98877	1718.14685
1736.0	0.000567	1302.86462	1704.92029
1689.0	0.000595	1302.73999	1693.45361
1725.0	0.000567	1302.61511	1683.68408
1665.0	0.000595	1302.49011	1675.76172
1717.0	0.000595	1302.36475	1669.05334
1692.0	0.000595	1302.23914	1663.60364
1612.0	0.000625	1302.11328	1659.37610
1644.0	0.000595	1301.98730	1656.13135
1600.0	0.000625	1301.86096	1653.68359
1732.0	0.000567	1301.73425	1651.84241
1570.0	0.000625	1301.60730	1650.52502
1614.0	0.000625	1301.48035	1649.33740
1695.0	0.000595	1301.35291	1648.23193
1656.0	0.000595	1301.22522	1647.08362
1638.0	0.000625	1301.09741	1645.80469
1572.0	0.000625	1300.96924	1644.35425
1635.0	0.000625	1300.84070	1642.72278
1711.0	0.000595	1300.71204	1640.92993
1679.0	0.000595	1300.58325	1639.01392
1600.0	0.000625	1300.45398	1637.02344
1657.0	0.000595	1300.32458	1635.00354
1599.0	0.000625	1300.19495	1632.99609
1689.0	0.000595	1300.06494	1631.03625
1604.0	0.000625	1299.93469	1629.15259
1624.0	0.000625	1299.80420	1627.36475
1626.0	0.000625	1299.67358	1625.68933



1601.0	0.000625	1299.54260	1624.13904
1621.0	0.000625	1299.41138	1622.72375
1672.0	0.000595	1299.27991	1621.45142
1677.0	0.000595	1299.14832	1620.33423
1650.0	0.000595	1299.01636	1619.38220
1671.0	0.000595	1298.88416	1618.63110
1608.0	0.000625	1298.75171	1618.04785
1656.0	0.000595	1298.61902	1617.67346
1598.0	0.000625	1298.48596	1617.52649
1667.0	0.000595	1298.35278	1617.62354
1602.0	0.000625	1298.21936	1617.99451
1616.0	0.000625	1298.08569	1618.65356
1617.0	0.000625	1297.95166	1619.62952
1688.0	0.000595	1297.81763	1620.93750
1621.0	0.000625	1297.68311	1622.59399
1625.0	0.000625	1297.54834	1624.61255
1598.0	0.000625	1297.41345	1626.99683
1637.0	0.000625	1297.27832	1629.74268
1672.0	0.000595	1297.14282	1632.83533
1687.0	0.000595	1297.00720	1636.25000
1626.0	0.000625	1296.87134	1639.91235
1633.0	0.000625	1296.73511	1643.92065
1687.0	0.000595	1296.59875	1647.99963
1782.0	0.000567	1296.46204	1652.12524
1659.0	0.000595	1296.32520	1656.18396
1644.0	0.000595	1296.18799	1660.03625
1670.0	0.000595	1296.05066	1663.52747
1693.0	0.000595	1295.91296	1666.55640
1612.0	0.000625	1295.77515	1668.87366
1693.0	0.000595	1295.63708	1670.43323
1633.0	0.000625	1295.49866	1671.14685
1701.0	0.000595	1295.36023	1671.01892
1736.0	0.000567	1295.22131	1670.09998
1609.0	0.000625	1295.08215	1668.49561
1628.0	0.000625	1294.94287	1666.32910
1663.0	0.000595	1294.80334	1663.78821
1633.0	0.000625	1294.66357	1660.99146
1671.0	0.000595	1294.52356	1658.03662
1602.0	0.000625	1294.38330	1654.95593
1636.0	0.000625	1294.24280	1651.71497
1631.0	0.000625	1294.10205	1648.13428
1509.0	0.000657	1293.96106	1644.22522
1614.0	0.000625	1293.81995	1639.72571
1718.0	0.000595	1293.67847	1634.50574
1632.0	0.000625	1293.53674	1628.44678
1645.0	0.000595	1293.39490	1621.54688
1595.0	0.000625	1293.25269	1613.88477
1575.0	0.000625	1293.11023	1605.61694
1613.0	0.000625	1292.96765	1596.95044
1606.0	0.000625	1292.82483	1588.14783
1617.0	0.000625	1292.68176	1579.37354
1590.0	0.000625	1292.53833	1570.85278
1555.0	0.000657	1292.39478	1562.74695
1532.0	0.000657	1292.25110	1555.18201

1524.0	0.000657	1292.10706	1548.24329
1474.0	0.000693	1291.96277	1542.46094
1534.0	0.000657	1291.81836	1536.93994
1456.0	0.000693	1291.67358	1532.16516
1544.0	0.000657	1291.52856	1528.14685
1546.0	0.000657	1291.38330	1524.88599
1480.0	0.000693	1291.23804	1522.38037
1498.0	0.000657	1291.09241	1520.62244
1542.0	0.000657	1290.94641	1519.60254
1526.0	0.000657	1290.80042	1519.31799
1536.0	0.000657	1290.65405	1519.76025
1538.0	0.000657	1290.50745	1520.92175
1594.0	0.000625	1290.36072	1522.83765
1549.0	0.000657	1290.21375	1525.42871
1574.0	0.000625	1290.06653	1528.72668
1561.0	0.000625	1289.91895	1532.75928
1484.0	0.000657	1289.77136	1537.44861
1487.0	0.000657	1289.62341	1542.81323
1597.0	0.000625	1289.47534	1548.82983
1572.0	0.000625	1289.32690	1555.46155
1644.0	0.000595	1289.17834	1562.66003
1607.0	0.000625	1289.02954	1570.35205
1531.0	0.000657	1288.88049	1578.43835
1646.0	0.000595	1288.73120	1586.78455
1672.0	0.000595	1288.58179	1595.21594
1665.0	0.000595	1288.43201	1603.51172
1624.0	0.000625	1288.28210	1611.40259
1573.0	0.000625	1288.13208	1618.71179
1597.0	0.000625	1287.98169	1624.92639
1639.0	0.000625	1287.83105	1629.87854
1624.0	0.000625	1287.68018	1633.36755
1635.0	0.000625	1287.52930	1635.28833
1573.0	0.000625	1287.37805	1635.67053
1637.0	0.000625	1287.22656	1634.55249
1567.0	0.000625	1287.07495	1632.18555
1628.0	0.000625	1286.92297	1628.62305
1547.0	0.000657	1286.77075	1624.14880
1636.0	0.000625	1286.61841	1618.90454
1567.0	0.000625	1286.46594	1613.02197
1525.0	0.000657	1286.31323	1606.85449
1450.0	0.000693	1286.16016	1600.20142
1634.0	0.000625	1286.00708	1593.37793
1559.0	0.000657	1285.85364	1586.52161
1625.0	0.000625	1285.69995	1579.76172
1515.0	0.000657	1285.54614	1573.24426
1566.0	0.000625	1285.39209	1566.98999
1634.0	0.000625	1285.23779	1561.09802
1521.0	0.000657	1285.08325	1555.61194
1577.0	0.000625	1284.92859	1550.55322
1542.0	0.000657	1284.77380	1545.91699
1483.0	0.000657	1284.61853	1541.68677
1617.0	0.000625	1284.46326	1537.82617
1562.0	0.000625	1284.30786	1534.28552
1585.0	0.000625	1284.15198	1531.00232

1527.0	0.000657	1283.99597	1527.90747
1586.0	0.000625	1283.83984	1524.88184
1501.0	0.000657	1283.68347	1521.94055
1530.0	0.000657	1283.52686	1518.98047
1454.0	0.000693	1283.37012	1515.96057
1549.0	0.000657	1283.21313	1512.86340
1559.0	0.000657	1283.05591	1509.69885
1520.0	0.000657	1282.89844	1506.49976
1515.0	0.000657	1282.74084	1503.31702
1560.0	0.000657	1282.58313	1500.21008
1566.0	0.000625	1282.42505	1497.24390
1475.0	0.000693	1282.26672	1494.47925
1456.0	0.000693	1282.10840	1491.97278
1469.0	0.000693	1281.94971	1489.77405
1486.0	0.000657	1281.79077	1487.92566
1444.0	0.000693	1281.63171	1486.46460
1511.0	0.000657	1281.47253	1485.42432
1512.0	0.000657	1281.31311	1484.82678
1539.0	0.000657	1281.15332	1484.69531
1484.0	0.000657	1280.99341	1485.40613
1526.0	0.000657	1280.83350	1486.24878
1474.0	0.000693	1280.67322	1487.58240
1551.0	0.000657	1280.51270	1489.39783
1461.0	0.000693	1280.35205	1491.67688
1470.0	0.000693	1280.19128	1494.38281
1536.0	0.000657	1280.03015	1497.46350
1529.0	0.000657	1279.86890	1500.84790
1470.0	0.000693	1279.70752	1504.41870
1461.0	0.000693	1279.54578	1508.04724
1501.0	0.000657	1279.38391	1511.56250
1503.0	0.000657	1279.22192	1515.16138
1452.0	0.000693	1279.05969	1517.83984
1496.0	0.000657	1278.89722	1519.76233
1483.0	0.000657	1278.73450	1520.72412
1534.0	0.000657	1278.57178	1520.56604
1492.0	0.000657	1278.40869	1519.19885
1528.0	0.000657	1278.24548	1516.62231
1533.0	0.000657	1278.08215	1512.92151
1449.0	0.000693	1277.91846	1508.25806
1449.0	0.000693	1277.75464	1502.84692
1474.0	0.000693	1277.59070	1496.92493
1487.0	0.000657	1277.42651	1490.73108
1473.0	0.000693	1277.26221	1484.50867
1537.0	0.000657	1277.09753	1478.40930
1482.0	0.000693	1276.93274	1472.61316
1517.0	0.000657	1276.76794	1467.25037
1495.0	0.000657	1276.60278	1462.42102
1482.0	0.000693	1276.43738	1458.20251
1470.0	0.000693	1276.27197	1454.65039
1471.0	0.000693	1276.10632	1451.80200
1508.0	0.000657	1275.94031	1449.69336
1492.0	0.000657	1275.77429	1448.67346
1468.0	0.000693	1275.60815	1448.03455
1479.0	0.000693	1275.44165	1448.12500

1527.0	0.000657	1275.27490	1448.92542
1447.0	0.000693	1275.10828	1450.40881
1490.0	0.000657	1274.94116	1452.54102
1470.0	0.000693	1274.77405	1455.28601
1450.0	0.000693	1274.60657	1458.59680
1447.0	0.000693	1274.43921	1462.42419
1512.0	0.000657	1274.27136	1466.70264
1517.0	0.000657	1274.10339	1471.35706
1484.0	0.000657	1273.93542	1476.24353
1429.0	0.000693	1273.76709	1481.33264
1471.0	0.000693	1273.59863	1486.43262
1498.0	0.000657	1273.42993	1491.39258
1448.0	0.000693	1273.26123	1496.05884
1469.0	0.000693	1273.09229	1500.29834
1485.0	0.000657	1272.92310	1504.01843
1554.0	0.000657	1272.75366	1507.18542
1450.0	0.000693	1272.58423	1509.83716
1498.0	0.000657	1272.41455	1512.07019
1430.0	0.000693	1272.24463	1514.03552
1505.0	0.000657	1272.07458	1515.90442
1462.0	0.000693	1271.90442	1517.85339
1521.0	0.000657	1271.73389	1520.03210
1467.0	0.000693	1271.56335	1522.55823
1509.0	0.000657	1271.39270	1525.49866
1506.0	0.000657	1271.22168	1528.87207
1514.0	0.000657	1271.05054	1532.65649
1496.0	0.000657	1270.87939	1536.85522
1446.0	0.000693	1270.70789	1541.26563
1489.0	0.000657	1270.53625	1545.87109
1507.0	0.000657	1270.36438	1550.60498
1523.0	0.000657	1270.19250	1555.41211
1522.0	0.000657	1270.02039	1560.25159
1554.0	0.000657	1269.84802	1565.08276
1586.0	0.000625	1269.67566	1569.83936
1597.0	0.000625	1269.50305	1574.42249
1593.0	0.000625	1269.33020	1578.65552
1615.0	0.000625	1269.15710	1582.30908
1607.0	0.000625	1268.98413	1585.09534
1567.0	0.000625	1268.81079	1586.69934
1532.0	0.000657	1268.63721	1586.83423
1508.0	0.000657	1268.46362	1585.29297
1594.0	0.000625	1268.28992	1582.01196
1563.0	0.000625	1268.11584	1577.03760
1554.0	0.000657	1267.94165	1570.59717
1559.0	0.000657	1267.76746	1563.01050
1524.0	0.000657	1267.59302	1554.64587
1497.0	0.000657	1267.41833	1545.87073
1502.0	0.000657	1267.24353	1537.02051
1503.0	0.000657	1267.06873	1528.37231
1493.0	0.000657	1266.89355	1520.14136
1490.0	0.000657	1266.71826	1512.41577
1495.0	0.000657	1266.54285	1505.44067
1471.0	0.000693	1266.36731	1499.21350
1473.0	0.000693	1266.19153	1493.76074

1499.0	0.000657	1266.01550	1489.08923
1467.0	0.000693	1265.83960	1485.17737
1526.0	0.000657	1265.66333	1481.98779
1480.0	0.000693	1265.48682	1479.47363
1479.0	0.000693	1265.31042	1477.56445
1503.0	0.000657	1265.13367	1476.19153
1511.0	0.000657	1264.95679	1475.27344
1511.0	0.000657	1264.77979	1474.73364
1493.0	0.000657	1264.60266	1474.52100
1481.0	0.000693	1264.42542	1474.52051
1504.0	0.000657	1264.24780	1474.70447
1447.0	0.000693	1264.07019	1475.04480
1529.0	0.000657	1263.89246	1475.52502
1437.0	0.000693	1263.71460	1476.14795
1479.0	0.000693	1263.53650	1476.93518
1510.0	0.000657	1263.35828	1477.91016
1502.0	0.000657	1263.17993	1479.16443
1529.0	0.000657	1263.00134	1480.62622
1530.0	0.000657	1262.82263	1482.38464
1508.0	0.000657	1262.64392	1484.47412
1502.0	0.000657	1262.46484	1486.92566
1521.0	0.000657	1262.28577	1489.76685
1513.0	0.000657	1262.10657	1493.02148
1549.0	0.000657	1261.92712	1496.70679
1497.0	0.000657	1261.74744	1500.83398
1465.0	0.000693	1261.56775	1505.40552
1566.0	0.000625	1261.38794	1510.46826
1490.0	0.000657	1261.20789	1515.88770
1528.0	0.000657	1261.02771	1521.67957
1567.0	0.000625	1260.84753	1527.78406
1536.0	0.000657	1260.66711	1534.11377
1524.0	0.000657	1260.48645	1540.55225
1571.0	0.000625	1260.30579	1546.95752
1489.0	0.000657	1260.12500	1553.15686
1546.0	0.000657	1259.94397	1559.25330
1558.0	0.000657	1259.76270	1564.47839
1506.0	0.000657	1259.58142	1568.94543
1564.0	0.000625	1259.40015	1572.50769
1558.0	0.000657	1259.21851	1575.05566
1550.0	0.000657	1259.03674	1576.52222
1521.0	0.000657	1258.85498	1576.86963
1542.0	0.000657	1258.67297	1576.09180
1549.0	0.000657	1258.49084	1574.21118
1544.0	0.000657	1258.30859	1571.27686
1554.0	0.000657	1258.12634	1567.37830
1542.0	0.000657	1257.94373	1562.63660
1566.0	0.000625	1257.76099	1557.21216
1510.0	0.000657	1257.57837	1551.28210
1569.0	0.000625	1257.39539	1545.00110
1506.0	0.000657	1257.21228	1538.62195
1537.0	0.000657	1257.02905	1532.27234
1482.0	0.000693	1256.84583	1526.08887
1546.0	0.000657	1256.66235	1520.18713
1513.0	0.000657	1256.47876	1514.65308

1526.0	0.000657	1256.29504	1509.55603
1507.0	0.000657	1256.11121	1504.94128
1484.0	0.000657	1255.92725	1500.84204
1525.0	0.000657	1255.74304	1497.28101
1476.0	0.000693	1255.55896	1494.27380
1484.0	0.000657	1255.37451	1491.82458
1449.0	0.000693	1255.19006	1489.99780
1509.0	0.000657	1255.00537	1488.68054
1474.0	0.000693	1254.82068	1487.92700
1499.0	0.000657	1254.63586	1487.73340
1506.0	0.000657	1254.45081	1488.09375
1541.0	0.000657	1254.26575	1489.16833
1471.0	0.000693	1254.08044	1490.61035
1535.0	0.000657	1253.89502	1492.56592
1507.0	0.000657	1253.70959	1494.98413
1511.0	0.000657	1253.52405	1497.89587
1543.0	0.000657	1253.33826	1501.22473
1510.0	0.000657	1253.15234	1504.91418
1442.0	0.000693	1252.96655	1508.89844
1516.0	0.000657	1252.78040	1513.09497
1572.0	0.000625	1252.59412	1517.41809
1528.0	0.000657	1252.40771	1521.78259
1538.0	0.000657	1252.22131	1526.11096
1565.0	0.000625	1252.03479	1530.34985
1528.0	0.000657	1251.84802	1534.46985
1563.0	0.000625	1251.66138	1538.47327
1553.0	0.000657	1251.47437	1542.38928
1566.0	0.000625	1251.28723	1546.26611
1557.0	0.000657	1251.10010	1550.15186
1625.0	0.000625	1250.91296	1554.09253
1605.0	0.000625	1250.72546	1558.11023
1595.0	0.000625	1250.53796	1562.21411
1601.0	0.000625	1250.35034	1567.07239
1559.0	0.000657	1250.16272	1571.30066
1585.0	0.000625	1249.97473	1575.55872
1595.0	0.000625	1249.78674	1579.85034
1558.0	0.000657	1249.59888	1584.20117
1563.0	0.000625	1249.41064	1588.67224
1622.0	0.000625	1249.22229	1593.34888
1604.0	0.000625	1249.03381	1598.33264
1580.0	0.000625	1248.84546	1603.72412
1607.0	0.000625	1248.65686	1609.61560
1684.0	0.000595	1248.46802	1616.08154
1592.0	0.000625	1248.27930	1623.18384
1623.0	0.000625	1248.09033	1630.96375
1521.0	0.000657	1247.90125	1639.44238
1631.0	0.000625	1247.71216	1648.61023
1629.0	0.000625	1247.52295	1658.41492
1645.0	0.000595	1247.33350	1668.74304
1664.0	0.000595	1247.14404	1679.40710
1698.0	0.000595	1246.95459	1690.13843
1655.0	0.000595	1246.76489	1700.57935
1671.0	0.000595	1246.57507	1710.30359
1638.0	0.000625	1246.38513	1718.81836

1671.0	0.000595	1246.19531	1725.64868
1661.0	0.000595	1246.00513	1730.36658
1717.0	0.000595	1245.81494	1732.66602
1694.0	0.000595	1245.62463	1732.40601
1643.0	0.000595	1245.43445	1729.65051
1683.0	0.000595	1245.24390	1724.66260
1636.0	0.000625	1245.05322	1717.86511
1623.0	0.000625	1244.86267	1709.79456
1719.0	0.000595	1244.67188	1701.03479
1710.0	0.000595	1244.48096	1692.20422
1661.0	0.000595	1244.29004	1683.76660
1682.0	0.000595	1244.09912	1676.22815
1660.0	0.000595	1243.90784	1669.98462
1673.0	0.000595	1243.71655	1665.35193
1700.0	0.000595	1243.52539	1662.57666
1670.0	0.000595	1243.33386	1661.83960
1741.0	0.000567	1243.14233	1663.25903
1838.0	0.000541	1242.95068	1666.89331
1744.0	0.000567	1242.75903	1672.74670
1859.0	0.000541	1242.56726	1680.75244
1841.0	0.000541	1242.37537	1690.77319
1853.0	0.000541	1242.18347	1702.59375
1808.0	0.000541	1241.99133	1715.90857
1857.0	0.000541	1241.79919	1730.32166
1884.0	0.000541	1241.60693	1745.36499
1796.0	0.000567	1241.41467	1760.51855
1928.0	0.000517	1241.22217	1775.26794
1827.0	0.000541	1241.02966	1789.16431
1824.0	0.000541	1240.83704	1801.87512
1765.0	0.000567	1240.64453	1813.23059
1772.0	0.000567	1240.45166	1823.21692
1849.0	0.000541	1240.25879	1831.92358
1805.0	0.000567	1240.06592	1839.48657
1872.0	0.000541	1239.87292	1845.99622
1737.0	0.000567	1239.67981	1851.44250
1804.0	0.000567	1239.48657	1855.69153
1747.0	0.000567	1239.29346	1858.48499
1739.0	0.000567	1239.09998	1859.49902
1780.0	0.000567	1238.90662	1858.41309
1702.0	0.000595	1238.71313	1854.99622
1729.0	0.000567	1238.51953	1849.17810
1752.0	0.000567	1238.32593	1841.08533
1714.0	0.000595	1238.13208	1831.03931
1717.0	0.000595	1237.93835	1819.52283
1732.0	0.000567	1237.74451	1807.11401
1736.0	0.000567	1237.55054	1794.41760
1762.0	0.000567	1237.35657	1782.01611
1769.0	0.000567	1237.16235	1770.56934
1742.0	0.000567	1236.96814	1760.18652
1727.0	0.000567	1236.77380	1751.32202
1761.0	0.000567	1236.57959	1744.15845
1754.0	0.000567	1236.38513	1738.77380
1772.0	0.000567	1236.19067	1735.13232
1875.0	0.000541	1235.99609	1733.08789

1931.0	0.000517	1235.80151	1732.39221
1819.0	0.000541	1235.60681	1732.68237
1777.0	0.000567	1235.41199	1733.50671
1667.0	0.000595	1235.21729	1734.33191
1768.0	0.000567	1235.02234	1734.59399
1831.0	0.000541	1234.82727	1733.74329
1738.0	0.000567	1234.63220	1731.32593
1745.0	0.000567	1234.43726	1727.04053
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1636.0	0.000625	1233.65613	1691.86426
1614.0	0.000625	1233.46069	1680.00537
1683.0	0.000595	1233.26514	1667.69763
1685.0	0.000595	1233.06958	1655.30469
1593.0	0.000625	1232.87402	1643.07581
1617.0	0.000625	1232.67822	1631.23804
1644.0	0.000595	1232.48254	1619.94141
1599.0	0.000625	1232.28674	1609.28650
1547.0	0.000657	1232.09082	1599.32690
1617.0	0.000625	1231.89490	1590.08728
1574.0	0.000625	1231.69897	1581.56433
1593.0	0.000625	1231.50293	1573.73877
1582.0	0.000625	1231.30676	1566.57544
1554.0	0.000657	1231.11047	1560.03003
1556.0	0.000657	1230.91443	1554.05103
1538.0	0.000657	1230.71802	1548.58093
1589.0	0.000625	1230.52173	1543.56421
1543.0	0.000657	1230.32544	1538.94250
1495.0	0.000657	1230.12891	1534.65649
1629.0	0.000625	1229.93237	1530.65332
1549.0	0.000657	1229.73572	1526.88416
1549.0	0.000657	1229.53931	1523.31030
1533.0	0.000657	1229.34253	1519.87305
1590.0	0.000625	1229.14575	1516.54419
1502.0	0.000657	1228.94910	1513.29150
1510.0	0.000657	1228.75232	1510.17737
1487.0	0.000657	1228.55542	1507.01880
1571.0	0.000625	1228.35840	1503.87683
1533.0	0.000657	1228.16162	1500.70752
1554.0	0.000657	1227.96448	1497.52014
1507.0	0.000657	1227.76733	1494.35498
1454.0	0.000693	1227.57043	1491.11096
1507.0	0.000657	1227.37317	1487.82971
1518.0	0.000657	1227.17590	1484.51221
1551.0	0.000657	1226.97864	1481.15625
1503.0	0.000657	1226.78149	1477.76294
1490.0	0.000657	1226.58411	1474.33801
1475.0	0.000693	1226.38660	1470.88306
1468.0	0.000693	1226.18921	1467.54993
1461.0	0.000693	1225.99182	1464.13342
1388.0	0.000730	1225.79431	1460.63269
1426.0	0.000693	1225.59668	1457.13428
1394.0	0.000730	1225.39917	1453.64648



1423.0	0.000693	1225.20142	1450.18103
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1479.0	0.000693	1224.80603	1443.36548
1397.0	0.000730	1224.60840	1440.04138
1365.0	0.000730	1224.41052	1436.79089
1370.0	0.000730	1224.21265	1433.62842
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1386.0	0.000730	1223.81689	1427.72363
1425.0	0.000693	1223.61890	1424.91296
1402.0	0.000730	1223.42090	1422.27893
1475.0	0.000693	1223.22302	1419.77405
1377.0	0.000730	1223.02490	1417.43872
1393.0	0.000730	1222.82678	1415.28699
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1395.0	0.000730	1222.43054	1411.57056
1410.0	0.000693	1222.23230	1410.01672
1383.0	0.000730	1222.03406	1408.66772
1477.0	0.000693	1221.83594	1407.52258
1380.0	0.000730	1221.63757	1406.57214
1425.0	0.000693	1221.43921	1405.79736
1436.0	0.000693	1221.24084	1405.17456
1439.0	0.000693	1221.04260	1404.66943
1373.0	0.000730	1220.84412	1404.23022
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1423.0	0.000693	1220.44739	1403.29797
1421.0	0.000693	1220.24890	1402.64917
1424.0	0.000693	1220.05029	1401.76794
1482.0	0.000693	1219.85168	1400.57678
1387.0	0.000730	1219.65332	1399.02002
1418.0	0.000693	1219.45471	1397.06360
1439.0	0.000693	1219.25598	1394.71289
1387.0	0.000730	1219.05750	1391.99890
1401.0	0.000730	1218.85876	1388.98596
1364.0	0.000730	1218.66003	1385.74988
1345.0	0.000730	1218.46130	1382.52344
1371.0	0.000730	1218.26270	1379.09302
1383.0	0.000730	1218.06396	1375.67676
1359.0	0.000730	1217.86523	1372.33167
1319.0	0.000772	1217.66650	1369.12427
1321.0	0.000772	1217.46765	1366.01074
1427.0	0.000693	1217.26880	1363.09583
1325.0	0.000772	1217.06995	1360.36877
1367.0	0.000730	1216.87122	1357.84338
1406.0	0.000730	1216.67224	1355.53516
1344.0	0.000730	1216.47339	1353.46240
1429.0	0.000693	1216.27441	1351.64417
1331.0	0.000772	1216.07568	1350.06201
1324.0	0.000772	1215.87671	1348.82056
1358.0	0.000730	1215.67773	1347.89966
1408.0	0.000693	1215.47888	1347.35425
1375.0	0.000730	1215.27979	1347.13586
1381.0	0.000730	1215.08081	1347.29260
1360.0	0.000730	1214.88184	1347.83728
1337.0	0.000730	1214.68286	1348.77930

1386.0	0.000730	1214.48389	1350.12830
1332.0	0.000772	1214.28479	1351.88757
1319.0	0.000772	1214.08594	1354.06116
1375.0	0.000730	1213.88684	1356.64734
1375.0	0.000730	1213.68774	1359.70410
1382.0	0.000730	1213.48865	1363.10413
1359.0	0.000730	1213.28967	1366.89612
1456.0	0.000693	1213.09058	1371.06873
1349.0	0.000730	1212.89148	1375.60254
1379.0	0.000730	1212.69250	1380.48218
1325.0	0.000772	1212.49329	1385.69751
1428.0	0.000693	1212.29419	1391.23706
1347.0	0.000730	1212.09509	1397.10901
1347.0	0.000730	1211.89612	1403.33582
1417.0	0.000693	1211.69702	1409.96130
1456.0	0.000693	1211.49780	1417.05762
1429.0	0.000693	1211.29871	1424.94421
1445.0	0.000693	1211.09973	1433.31482
1402.0	0.000730	1210.90051	1442.50684
1482.0	0.000693	1210.70142	1452.75720
1543.0	0.000657	1210.50244	1464.20056
1490.0	0.000657	1210.30322	1477.00171
1617.0	0.000625	1210.10413	1491.30225
1473.0	0.000693	1209.90503	1507.21509
1565.0	0.000625	1209.70593	1524.81299
1529.0	0.000657	1209.50684	1544.12000
1560.0	0.000657	1209.30774	1565.09851
1622.0	0.000625	1209.10876	1587.64783
1644.0	0.000595	1208.90967	1611.67627
1639.0	0.000625	1208.71057	1636.71289
1573.0	0.000625	1208.51147	1662.46851
1711.0	0.000595	1208.31250	1688.44238
1646.0	0.000595	1208.11340	1714.01965
1755.0	0.000567	1207.91431	1738.49951
1705.0	0.000595	1207.71533	1761.09106
1743.0	0.000567	1207.51636	1780.97839
1799.0	0.000567	1207.31726	1797.23926
1701.0	0.000595	1207.11816	1809.36670
1733.0	0.000567	1206.91931	1816.69397
1699.0	0.000595	1206.72034	1818.88025
1724.0	0.000567	1206.52136	1815.86414
1717.0	0.000595	1206.32227	1807.87695
1684.0	0.000595	1206.12341	1795.43518
1697.0	0.000595	1205.92444	1779.27319
1678.0	0.000595	1205.72559	1760.25928
1623.0	0.000625	1205.52673	1739.29321
1616.0	0.000625	1205.32776	1717.22131
1567.0	0.000625	1205.12891	1694.78943
1627.0	0.000625	1204.93005	1672.59778
1554.0	0.000657	1204.73132	1651.10925
1555.0	0.000657	1204.53247	1630.65576
1523.0	0.000657	1204.33362	1611.46948
1527.0	0.000657	1204.13489	1593.72095
1529.0	0.000657	1203.93604	1577.40479

1497.0	0.000657	1203.73730	1562.72058
1487.0	0.000657	1203.53857	1549.64685
1489.0	0.000657	1203.33997	1538.19739
1484.0	0.000657	1203.14124	1528.36670
1487.0	0.000657	1202.94250	1520.11438
1497.0	0.000657	1202.74402	1513.36816
1479.0	0.000693	1202.54529	1508.00793
1447.0	0.000693	1202.34668	1503.87329
1481.0	0.000693	1202.14807	1500.75427
1475.0	0.000693	1201.94958	1498.39221
1497.0	0.000657	1201.75110	1496.50488
1514.0	0.000657	1201.55249	1494.95190
1460.0	0.000693	1201.35400	1493.08594
1479.0	0.000693	1201.15564	1490.79602
1484.0	0.000657	1200.95715	1487.86108
1465.0	0.000693	1200.75879	1484.12134
1478.0	0.000693	1200.56055	1479.50708
1492.0	0.000657	1200.36218	1473.99951
1453.0	0.000693	1200.16382	1467.75574
1447.0	0.000693	1199.96545	1460.88013
1480.0	0.000693	1199.76733	1453.54944
1476.0	0.000693	1199.56909	1445.95837
1479.0	0.000693	1199.37085	1438.29199
1458.0	0.000693	1199.17285	1430.72522
1442.0	0.000693	1198.97473	1423.40259
1419.0	0.000693	1198.77661	1416.44836
1421.0	0.000693	1198.57849	1409.95435
1346.0	0.000730	1198.38062	1403.99463
1429.0	0.000693	1198.18250	1398.61877
1424.0	0.000693	1197.98462	1393.86096
1423.0	0.000693	1197.78674	1389.74487
1439.0	0.000693	1197.58887	1386.28125
1353.0	0.000730	1197.39099	1383.47534
1433.0	0.000693	1197.19312	1381.32861
1379.0	0.000730	1196.99548	1379.83704
1420.0	0.000693	1196.79773	1378.99255
1378.0	0.000730	1196.59998	1378.78857
1386.0	0.000730	1196.40234	1379.21350
1415.0	0.000693	1196.20483	1380.25500
1406.0	0.000730	1196.00720	1381.89844
1419.0	0.000693	1195.80957	1384.12915
1420.0	0.000693	1195.61230	1386.92676
1452.0	0.000693	1195.41479	1390.26672
1461.0	0.000693	1195.21741	1394.12170
1488.0	0.000657	1195.01990	1398.45642
1448.0	0.000693	1194.82275	1403.23157
1486.0	0.000657	1194.62549	1408.37671
1444.0	0.000693	1194.42822	1413.82996
1471.0	0.000693	1194.23108	1419.48792
1510.0	0.000657	1194.03394	1425.23621
1443.0	0.000693	1193.83679	1430.93518
1447.0	0.000693	1193.63977	1436.41553
1516.0	0.000657	1193.44287	1441.61646
1477.0	0.000693	1193.24585	1446.09973

1449.0	0.000693	1193.04895	1449.81274
1450.0	0.000693	1192.85217	1452.60620
1466.0	0.000693	1192.65540	1454.39587
1437.0	0.000693	1192.45862	1455.18188
1436.0	0.000693	1192.26184	1454.96265
1447.0	0.000693	1192.06531	1453.99072
1430.0	0.000693	1191.86877	1452.06140
1431.0	0.000693	1191.67212	1449.45374
1459.0	0.000693	1191.47559	1446.42529
1427.0	0.000693	1191.27930	1443.20776
1371.0	0.000730	1191.08289	1439.42310
1378.0	0.000730	1190.88647	1435.36133
1367.0	0.000730	1190.69031	1431.07166
1398.0	0.000730	1190.49414	1426.60107
1409.0	0.000693	1190.29785	1421.99902
1395.0	0.000730	1190.10181	1417.33643
1403.0	0.000730	1189.90588	1412.62915
1401.0	0.000730	1189.70984	1407.94751
1384.0	0.000730	1189.51379	1403.33484
1371.0	0.000730	1189.31812	1398.82935
1385.0	0.000730	1189.12219	1394.45959
1357.0	0.000730	1188.92639	1390.24414
1402.0	0.000730	1188.73071	1386.10242
1376.0	0.000730	1188.53516	1382.41577
1340.0	0.000730	1188.33960	1378.68994
1422.0	0.000693	1188.14404	1375.08618
1365.0	0.000730	1187.94873	1371.65967
1385.0	0.000730	1187.75330	1368.33667
1387.0	0.000730	1187.55786	1365.15833
1327.0	0.000772	1187.36255	1362.08228
1360.0	0.000730	1187.16748	1359.09851
1332.0	0.000772	1186.97229	1356.19202
1341.0	0.000730	1186.77722	1353.32947
1351.0	0.000730	1186.58215	1350.54956
1393.0	0.000730	1186.38733	1347.99670
1355.0	0.000730	1186.19250	1345.31274
1307.0	0.000772	1185.99768	1342.66943
1325.0	0.000772	1185.80298	1340.06201
1305.0	0.000772	1185.60828	1337.49084
1350.0	0.000730	1185.41370	1334.91809
1335.0	0.000730	1185.21912	1332.40857
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1312.0	0.000772	1184.83032	1327.47607
1308.0	0.000772	1184.63599	1325.04956
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1288.0	0.000772	1184.05347	1317.91821
1317.0	0.000772	1183.85938	1315.57715
1297.0	0.000772	1183.66565	1313.25464
1312.0	0.000772	1183.47168	1310.95142
1295.0	0.000772	1183.27783	1308.66846
1274.0	0.000772	1183.08423	1306.41260
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1316.0	0.000772	1182.69690	1302.12585

1311.0	0.000772	1182.50330	1299.98767
1334.0	0.000730	1182.31006	1297.90808
1319.0	0.000772	1182.11670	1295.89661
1309.0	0.000772	1181.92334	1293.96643
1358.0	0.000730	1181.73010	1292.12280
1247.0	0.000816	1181.53711	1290.38330
1281.0	0.000772	1181.34399	1288.75781
1290.0	0.000772	1181.15100	1287.25806
1266.0	0.000772	1180.95825	1285.90051
1333.0	0.000730	1180.76538	1284.69849
1274.0	0.000772	1180.57263	1283.66772
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1278.0	0.000772	1180.18750	1282.19812
1331.0	0.000772	1179.99500	1281.75244
1296.0	0.000772	1179.80261	1281.60828
1318.0	0.000772	1179.61047	1281.74561
1287.0	0.000772	1179.41809	1282.19202
1322.0	0.000772	1179.22595	1282.97620
1370.0	0.000730	1179.03394	1284.13220
1285.0	0.000772	1178.84204	1285.69373
1349.0	0.000730	1178.65015	1287.69751
1326.0	0.000772	1178.45825	1290.17859
1293.0	0.000772	1178.26672	1293.17639
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1333.0	0.000730	1177.69202	1305.62793
1353.0	0.000730	1177.50073	1311.03662
1315.0	0.000772	1177.30945	1317.11609
1317.0	0.000772	1177.11829	1323.87915
1345.0	0.000730	1176.92712	1331.32666
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1373.0	0.000730	1176.54529	1348.19189
1393.0	0.000730	1176.35449	1357.55798
1392.0	0.000730	1176.16382	1367.44836
1377.0	0.000730	1175.97327	1377.76062
1364.0	0.000730	1175.78259	1388.35779
1421.0	0.000693	1175.59216	1399.06799
1423.0	0.000693	1175.40186	1409.68420
1380.0	0.000730	1175.21167	1419.96765
1413.0	0.000693	1175.02148	1429.65637
1455.0	0.000693	1174.83154	1438.48950
1447.0	0.000693	1174.64148	1446.21436
1379.0	0.000730	1174.45166	1452.62488
1391.0	0.000730	1174.26184	1457.67261
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1432.0	0.000693	1173.88269	1462.97546
1449.0	0.000693	1173.69312	1463.40442
1333.0	0.000730	1173.50378	1462.49377
1342.0	0.000730	1173.31458	1460.37671
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1358.0	0.000730	1172.74731	1447.96167
1329.0	0.000772	1172.55847	1442.08142
1391.0	0.000730	1172.36963	1435.43665

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1355.0	0.000730	1171.99243	1420.17944
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1336.0	0.000730	1171.42737	1394.28223
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1355.0	0.000730	1171.05115	1376.79785
1363.0	0.000730	1170.86316	1368.34583
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1290.0	0.000772	1167.31299	1279.80225
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1267.0	0.000772	1165.64539	1290.83057
1315.0	0.000772	1165.46082	1291.87048
1306.0	0.000772	1165.27625	1292.56482
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1320.0	0.000772	1164.90735	1292.90735
1325.0	0.000772	1164.72327	1292.64795
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1273.0	0.000772	1163.62036	1290.27002
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1289.0	0.000772	1162.70483	1293.14832
1326.0	0.000772	1162.52209	1294.47217
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1270.0	0.000772	1161.97461	1299.97913
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1288.0	0.000772	1160.88306	1315.90979
1329.0	0.000772	1160.70154	1318.97034
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1286.0	0.000772	1156.20789	1292.20068
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1288.0	0.000772	1152.15027	1326.72253
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1271.0	0.000772	1147.99976	1273.73059
1270.0	0.000772	1147.82874	1268.14868
1238.0	0.000816	1147.65796	1263.08130
1245.0	0.000816	1147.48730	1258.54651
1273.0	0.000772	1147.31665	1254.55481
1253.0	0.000816	1147.14624	1251.11011
1304.0	0.000772	1146.97607	1248.21570
1259.0	0.000816	1146.80603	1245.86816
1306.0	0.000772	1146.63599	1244.06921
1294.0	0.000772	1146.46643	1242.81665
1337.0	0.000730	1146.29675	1242.11353
1313.0	0.000772	1146.12732	1242.02661
1258.0	0.000816	1145.95801	1242.43262
1255.0	0.000816	1145.78894	1243.43872
1287.0	0.000772	1145.62000	1244.98901
1272.0	0.000772	1145.45105	1247.13025
1331.0	0.000772	1145.28247	1249.88000
1317.0	0.000772	1145.11401	1253.25623
1297.0	0.000772	1144.94568	1257.28088
1281.0	0.000772	1144.77759	1261.97449
1309.0	0.000772	1144.60962	1267.35718
1260.0	0.000816	1144.44177	1273.44824
1285.0	0.000772	1144.27405	1280.26624
1289.0	0.000772	1144.10657	1287.81848
1265.0	0.000772	1143.93933	1296.10864
1258.0	0.000816	1143.77209	1305.12781
1400.0	0.000730	1143.60510	1314.85291
1261.0	0.000772	1143.43835	1325.24280



1330.0	0.000772	1143.27161	1336.23486
1351.0	0.000730	1143.10510	1347.74146
1348.0	0.000730	1142.93860	1359.65356
1381.0	0.000730	1142.77258	1371.83484
1392.0	0.000730	1142.60645	1384.12683
1391.0	0.000730	1142.44067	1396.36108
1361.0	0.000730	1142.27502	1408.35828
1336.0	0.000730	1142.10950	1419.94312
1414.0	0.000693	1141.94409	1430.94641
1405.0	0.000730	1141.77893	1441.31470
1424.0	0.000693	1141.61401	1450.69104
1458.0	0.000693	1141.44910	1459.05493
1338.0	0.000730	1141.28442	1466.30042
1420.0	0.000693	1141.11987	1472.35034
1460.0	0.000693	1140.95557	1477.17017
1400.0	0.000730	1140.79138	1480.71008
1442.0	0.000693	1140.62732	1483.14648
1463.0	0.000693	1140.46362	1484.52429
1378.0	0.000730	1140.29993	1484.96863
1406.0	0.000730	1140.13647	1484.60901
1496.0	0.000657	1139.97302	1483.55542
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1450.0	0.000693	1139.48413	1476.78540
1482.0	0.000693	1139.32166	1473.32544
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1393.0	0.000730	1138.67285	1453.49976
1432.0	0.000693	1138.51099	1447.23376
1347.0	0.000730	1138.34937	1440.71167
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1388.0	0.000730	1137.86572	1420.86597
1326.0	0.000772	1137.70471	1414.39771
1311.0	0.000772	1137.54407	1407.93335
1323.0	0.000772	1137.38354	1401.59619
1306.0	0.000772	1137.22314	1395.29346
1379.0	0.000730	1137.06287	1388.87805
1282.0	0.000772	1136.90295	1382.37341
1316.0	0.000772	1136.74304	1375.78882
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1298.0	0.000772	1135.78772	1338.88855
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1259.0	0.000816	1135.47070	1329.63599
1263.0	0.000772	1135.31250	1325.72791
1231.0	0.000816	1135.15442	1322.24377
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1219.0	0.000816	1130.64929	1214.64734
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1158.0	0.000865	1129.28247	1217.86011
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1082.0	0.000918	1098.50488	1195.20947
1158.0	0.000865	1098.40198	1194.00378
1140.0	0.000865	1098.29932	1192.99072
1156.0	0.000865	1098.19678	1192.15747
1112.0	0.000918	1098.09448	1191.49902
1107.0	0.000918	1097.99231	1191.01501
1133.0	0.000865	1097.89038	1190.71167
1178.0	0.000865	1097.78870	1190.59155
1104.0	0.000918	1097.68713	1190.65405
1089.0	0.000918	1097.58582	1190.88745
1132.0	0.000865	1097.48462	1191.27380
1079.0	0.000918	1097.38367	1191.77588
1182.0	0.000865	1097.28296	1192.32666
1142.0	0.000865	1097.18237	1192.91235
1133.0	0.000865	1097.08203	1193.44690
1171.0	0.000865	1096.98181	1193.86670
1173.0	0.000865	1096.88184	1194.12073
1139.0	0.000865	1096.78210	1194.16846
1152.0	0.000865	1096.68250	1193.99707
1133.0	0.000865	1096.58313	1193.61792
1087.0	0.000918	1096.48389	1193.07239
1113.0	0.000918	1096.38489	1192.41785
1092.0	0.000918	1096.28601	1191.72705
1136.0	0.000865	1096.18738	1191.17261
1233.0	0.000816	1096.08899	1190.63989
1176.0	0.000865	1095.99072	1190.29187
1131.0	0.000865	1095.89270	1190.18530
1127.0	0.000865	1095.79480	1190.42712
1158.0	0.000865	1095.69714	1190.90149
1132.0	0.000865	1095.59961	1191.71777
1107.0	0.000918	1095.50244	1192.95691
1221.0	0.000816	1095.40527	1194.45068
1180.0	0.000865	1095.30835	1196.25061
1180.0	0.000865	1095.21167	1198.32434
1170.0	0.000865	1095.11523	1200.63538
1183.0	0.000865	1095.01880	1203.14526
1178.0	0.000865	1094.92273	1205.82117
1172.0	0.000865	1094.82678	1208.63989
1235.0	0.000816	1094.73096	1211.59863
1238.0	0.000816	1094.63538	1214.70972
1155.0	0.000865	1094.54004	1217.99878
1203.0	0.000816	1094.44495	1221.50854
1221.0	0.000816	1094.34985	1225.27795
1233.0	0.000816	1094.25500	1229.34094
1211.0	0.000816	1094.16040	1233.71765
1302.0	0.000772	1094.06604	1238.41089
1247.0	0.000816	1093.97168	1243.36987
1232.0	0.000816	1093.87769	1248.53943

1255.0	0.000816	1093.78381	1253.82288
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1233.0	0.000816	1093.59668	1264.19446
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1250.0	0.000816	1093.41028	1273.22571
1309.0	0.000772	1093.31726	1276.83899
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1296.0	0.000772	1093.13208	1281.73499
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1279.0	0.000772	1092.94739	1283.03284
1274.0	0.000772	1092.85547	1282.44958
1332.0	0.000772	1092.76367	1281.08691
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1258.0	0.000816	1092.58057	1276.28748
1219.0	0.000816	1092.48938	1273.00574
1274.0	0.000772	1092.39832	1269.25354
1184.0	0.000865	1092.30737	1265.13513
1246.0	0.000816	1092.21667	1260.76038
1246.0	0.000816	1092.12622	1256.23303
1252.0	0.000816	1092.03589	1251.64880
1188.0	0.000865	1091.94568	1247.08459
1188.0	0.000865	1091.85571	1242.59375
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1285.0	0.000772	1091.58691	1229.81287
1262.0	0.000772	1091.49768	1225.79700
1271.0	0.000772	1091.40869	1221.89172
1245.0	0.000816	1091.31982	1218.10181
1174.0	0.000865	1091.23120	1214.43372
1178.0	0.000865	1091.14258	1210.90369
1267.0	0.000772	1091.05432	1207.72510
1116.0	0.000918	1090.96619	1204.53613
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1162.0	0.000865	1090.44116	1190.58081
1154.0	0.000865	1090.35425	1189.26721
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1173.0	0.000865	1090.18103	1187.56055
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1119.0	0.000918	1090.00854	1187.07056
1169.0	0.000865	1089.92261	1187.27490
1183.0	0.000865	1089.83679	1187.76648
1213.0	0.000816	1089.75110	1188.53687
1187.0	0.000865	1089.66577	1189.57422
1221.0	0.000816	1089.58044	1190.86316
1174.0	0.000865	1089.49536	1192.38696
1154.0	0.000865	1089.41040	1194.12354
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1212.0	0.000816	1088.90466	1206.85828
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1222.0	0.000816	1088.73755	1210.72888
1288.0	0.000772	1088.65417	1212.35327
1231.0	0.000816	1088.57104	1213.73804
1257.0	0.000816	1088.48804	1214.88782
1251.0	0.000816	1088.40527	1215.82959
1236.0	0.000816	1088.32263	1216.60950
1236.0	0.000816	1088.24011	1217.29150
1242.0	0.000816	1088.15784	1217.94067
1246.0	0.000816	1088.07568	1218.62268
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1263.0	0.000772	1087.66772	1224.02649
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1292.0	0.000772	1087.50574	1227.28821
1212.0	0.000816	1087.42493	1229.10107
1195.0	0.000816	1087.34436	1231.00464
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1271.0	0.000772	1086.86450	1242.94214
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1195.0	0.000816	1086.46924	1246.49561
1186.0	0.000865	1086.39075	1245.29749
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1188.0	0.000865	1086.23401	1240.53357
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1173.0	0.000865	1083.30933	1136.55042
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1162.0	0.000865	1075.10632	1215.12146
1167.0	0.000865	1075.05078	1212.26758
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1169.0	0.000865	1072.65161	1258.10498
1263.0	0.000772	1072.60022	1257.54712
1222.0	0.000816	1072.54883	1255.72363
1251.0	0.000816	1072.49756	1252.75354
1233.0	0.000816	1072.44641	1248.65247
1238.0	0.000816	1072.39526	1243.64099
1192.0	0.000816	1072.34424	1237.88782
1167.0	0.000865	1072.29321	1231.58447
1237.0	0.000816	1072.24243	1224.89893
1222.0	0.000816	1072.19153	1218.00244
1176.0	0.000865	1072.14075	1211.04065
1202.0	0.000816	1072.09021	1204.13794
1226.0	0.000816	1072.03955	1197.39465
1135.0	0.000865	1071.98901	1190.89209
1199.0	0.000816	1071.93848	1184.69067
1105.0	0.000918	1071.88818	1178.83643
1133.0	0.000865	1071.83777	1173.35376
1223.0	0.000816	1071.78748	1168.26587
1154.0	0.000865	1071.73743	1163.61255
1112.0	0.000918	1071.68726	1159.32642
1173.0	0.000865	1071.63721	1155.43542

1133.0	0.000865	1071.58716	1151.93982
1101.0	0.000918	1071.53723	1148.80750
1193.0	0.000816	1071.48730	1146.03259
1183.0	0.000865	1071.43750	1143.59619
1167.0	0.000865	1071.38782	1141.48083
1103.0	0.000918	1071.33813	1139.66785
1117.0	0.000918	1071.28857	1138.14014
1128.0	0.000865	1071.23901	1136.87793
1116.0	0.000918	1071.18958	1135.86499
1100.0	0.000918	1071.14001	1135.08533
1076.0	0.000918	1071.09070	1134.52600
1159.0	0.000865	1071.04138	1134.16956
1047.0	0.000977	1070.99219	1134.12512
1210.0	0.000816	1070.94299	1134.14197
1147.0	0.000865	1070.89380	1134.32922
1150.0	0.000865	1070.84473	1134.67749
1157.0	0.000865	1070.79578	1135.17334
1159.0	0.000865	1070.74670	1135.81409
1239.0	0.000816	1070.69788	1136.58740
1144.0	0.000865	1070.64905	1137.48315
1170.0	0.000865	1070.60022	1138.49194
1158.0	0.000865	1070.55151	1139.59924
1160.0	0.000865	1070.50281	1140.79163
1177.0	0.000865	1070.45422	1142.05164
1159.0	0.000865	1070.40564	1143.35583
1093.0	0.000918	1070.35706	1144.67957
1157.0	0.000865	1070.30859	1145.99170
1178.0	0.000865	1070.26025	1147.25586
1144.0	0.000865	1070.21179	1148.43103
1191.0	0.000816	1070.16357	1149.47290
1151.0	0.000865	1070.11523	1150.33862
1162.0	0.000865	1070.06702	1150.98608
1179.0	0.000865	1070.01892	1151.35852
1155.0	0.000865	1069.97083	1151.47302
1132.0	0.000865	1069.92273	1151.30420
1158.0	0.000865	1069.87463	1150.84973
1142.0	0.000865	1069.82666	1150.12280
1169.0	0.000865	1069.77881	1149.16101
1084.0	0.000918	1069.73083	1148.00195
1135.0	0.000865	1069.68311	1146.69177
1096.0	0.000918	1069.63525	1145.28040
1144.0	0.000865	1069.58752	1143.79602
1171.0	0.000865	1069.53979	1142.28577
1115.0	0.000918	1069.49219	1140.77869
1152.0	0.000865	1069.44458	1139.30115
1128.0	0.000865	1069.39697	1137.87463
1118.0	0.000918	1069.34949	1136.58557
1126.0	0.000865	1069.30200	1135.30737
1081.0	0.000918	1069.25452	1134.15735
1171.0	0.000865	1069.20703	1133.06470
1132.0	0.000865	1069.15967	1132.06873
1106.0	0.000918	1069.11243	1131.17395
1115.0	0.000918	1069.06506	1130.38135
1160.0	0.000865	1069.01782	1129.68311

1139.0	0.000865	1068.97058	1129.08691
1096.0	0.000918	1068.92346	1128.58655
1171.0	0.000865	1068.87634	1128.17517
1140.0	0.000865	1068.82922	1127.85925
1039.0	0.000977	1068.78210	1127.60669
1128.0	0.000865	1068.73511	1127.48694
1112.0	0.000918	1068.68811	1127.36438
1170.0	0.000865	1068.64111	1127.28699
1096.0	0.000918	1068.59424	1127.24341
1110.0	0.000918	1068.54724	1127.21814
1129.0	0.000865	1068.50037	1127.19446
1117.0	0.000918	1068.45361	1127.15479
1188.0	0.000865	1068.40686	1127.08032
1110.0	0.000918	1068.35999	1126.95862
1130.0	0.000865	1068.31323	1126.75610
1161.0	0.000865	1068.26660	1126.50488
1102.0	0.000918	1068.21985	1126.14063
1129.0	0.000865	1068.17322	1125.68274
1116.0	0.000918	1068.12659	1125.13757
1053.0	0.000977	1068.07996	1124.50989
1141.0	0.000865	1068.03345	1123.81421
1126.0	0.000865	1067.98682	1123.06238
1072.0	0.000918	1067.94031	1122.28748
1116.0	0.000918	1067.89392	1121.47095
1165.0	0.000865	1067.84741	1120.64429
1125.0	0.000865	1067.80090	1119.82764
1101.0	0.000918	1067.75452	1119.01489
1130.0	0.000865	1067.70813	1118.22388
1103.0	0.000918	1067.66174	1117.46082
1102.0	0.000918	1067.61536	1116.73279
1149.0	0.000865	1067.56909	1116.04565
1156.0	0.000865	1067.52271	1115.40051
1126.0	0.000865	1067.47644	1114.81433
1127.0	0.000865	1067.43018	1114.26416
1118.0	0.000918	1067.38391	1113.80688
1127.0	0.000865	1067.33765	1113.36243
1080.0	0.000918	1067.29150	1112.97168
1083.0	0.000918	1067.24536	1112.63879
1123.0	0.000865	1067.19910	1112.36609
1119.0	0.000918	1067.15295	1112.15332
1081.0	0.000918	1067.10681	1112.00586
1089.0	0.000918	1067.06067	1111.92444
1118.0	0.000918	1067.01465	1111.91248
1076.0	0.000918	1066.96851	1111.94678
1193.0	0.000816	1066.92249	1112.08521
1132.0	0.000865	1066.87634	1112.30383
1172.0	0.000865	1066.83032	1112.60803
1141.0	0.000865	1066.78430	1113.00269
1194.0	0.000816	1066.73828	1113.61340
1060.0	0.000918	1066.69226	1114.20044
1088.0	0.000918	1066.64624	1114.89441
1068.0	0.000918	1066.60022	1115.69617
1135.0	0.000865	1066.55420	1116.69055
1135.0	0.000865	1066.50830	1117.75110

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1147.0	0.000865	1066.32446	1123.17688
1132.0	0.000865	1066.27856	1124.84680
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1078.0	0.000918	1066.18665	1128.54736
1167.0	0.000865	1066.14087	1130.56152
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1118.0	0.000918	1066.04895	1134.84583
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1185.0	0.000865	1065.91125	1141.64282
1129.0	0.000865	1065.86536	1143.94836
1126.0	0.000865	1065.81958	1146.26538
1152.0	0.000865	1065.77368	1148.59998
1154.0	0.000865	1065.72778	1150.96985
1148.0	0.000865	1065.68188	1153.40088
1063.0	0.000918	1065.63599	1155.91943
1150.0	0.000865	1065.59009	1158.55640
1070.0	0.000918	1065.54419	1161.35046
1162.0	0.000865	1065.49829	1164.29419
1162.0	0.000865	1065.45239	1167.40649
1163.0	0.000865	1065.40649	1170.68933
1131.0	0.000865	1065.36060	1174.13428
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1149.0	0.000865	1065.08508	1194.93433
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1186.0	0.000865	1064.99329	1199.95911
1249.0	0.000816	1064.94727	1201.71399
1175.0	0.000865	1064.90137	1202.90125
1180.0	0.000865	1064.85535	1203.50330
1227.0	0.000816	1064.80945	1203.54211
1181.0	0.000865	1064.76343	1203.04468
1193.0	0.000816	1064.71741	1202.07617
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1204.0	0.000816	1064.62537	1199.00977
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1124.0	0.000865	1064.53333	1194.90527
1191.0	0.000816	1064.48730	1192.62231
1183.0	0.000865	1064.44116	1190.25781
1192.0	0.000816	1064.39514	1187.86133
1155.0	0.000865	1064.34900	1185.47827
1167.0	0.000865	1064.30286	1183.17700
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1172.0	0.000865	1064.21057	1178.85840
1218.0	0.000816	1064.16443	1176.93823
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1193.0	0.000816	1064.07202	1173.72742
1203.0	0.000816	1064.02576	1172.47925



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1196.0	0.000816	1063.93335	1170.74268
1187.0	0.000865	1063.88708	1170.25647
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1233.0	0.000816	1063.79443	1169.94910
1232.0	0.000816	1063.74805	1170.06116
1162.0	0.000865	1063.70166	1170.28735
1166.0	0.000865	1063.65540	1170.57007
1225.0	0.000816	1063.60901	1170.84802
1174.0	0.000865	1063.56250	1171.06421
1179.0	0.000865	1063.51611	1171.24841
1166.0	0.000865	1063.46960	1171.19397
1204.0	0.000816	1063.42310	1170.96265
1173.0	0.000865	1063.37659	1170.55737
1136.0	0.000865	1063.32996	1169.99780
1179.0	0.000865	1063.28345	1169.32532
1140.0	0.000865	1063.23682	1168.59802
1185.0	0.000865	1063.19019	1167.87305
1155.0	0.000865	1063.14355	1167.21887
1148.0	0.000865	1063.09680	1166.69983
1167.0	0.000865	1063.05005	1166.44092
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1196.0	0.000816	1062.95654	1166.56372
1173.0	0.000865	1062.90979	1167.09656
1162.0	0.000865	1062.86292	1167.99023
1169.0	0.000865	1062.81604	1169.26575
1183.0	0.000865	1062.76917	1170.94568
1168.0	0.000865	1062.72217	1173.04358
1188.0	0.000865	1062.67529	1175.56909
1197.0	0.000816	1062.62830	1178.52588
1156.0	0.000865	1062.58118	1181.91162
1155.0	0.000865	1062.53418	1185.71509
1174.0	0.000865	1062.48706	1189.92188
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1220.0	0.000816	1062.39270	1199.39966
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1225.0	0.000816	1062.25098	1215.53577
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1256.0	0.000816	1061.91895	1248.66150
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1287.0	0.000772	1061.72827	1254.01746
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1247.0	0.000816	1061.53687	1247.28711
1242.0	0.000816	1061.48901	1244.10693

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1237.0	0.000816	1061.39294	1236.51221
1188.0	0.000865	1061.34485	1232.28210
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1246.0	0.000816	1061.24854	1223.46558
1175.0	0.000865	1061.20032	1219.05481
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1176.0	0.000865	1061.05530	1206.85852
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1185.0	0.000865	1060.90991	1197.31873
1164.0	0.000865	1060.86133	1194.88269
1183.0	0.000865	1060.81274	1192.85828
1199.0	0.000816	1060.76404	1191.21997
1204.0	0.000816	1060.71533	1189.98083
1196.0	0.000816	1060.66650	1189.13623
1219.0	0.000816	1060.61768	1188.67737
1222.0	0.000816	1060.56885	1188.58533
1181.0	0.000865	1060.51990	1188.85254
1169.0	0.000865	1060.47083	1189.45471
1174.0	0.000865	1060.42188	1190.36780
1215.0	0.000816	1060.37268	1191.56555
1206.0	0.000816	1060.32349	1193.01453
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1242.0	0.000816	1060.12634	1200.42639
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1185.0	0.000865	1059.02405	1194.52405
1184.0	0.000865	1058.97314	1193.82141
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1181.0	0.000865	1058.87122	1192.66907
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1156.0	0.000865	1058.04578	1181.49817
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1184.0	0.000865	1057.94116	1179.70520
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1176.0	0.000865	1057.78381	1177.09729
1162.0	0.000865	1057.73132	1176.33459
1173.0	0.000865	1057.67859	1175.62744
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1173.0	0.000865	1057.46704	1174.10803
1209.0	0.000816	1057.41394	1174.16565
1186.0	0.000865	1057.36084	1174.43750
1169.0	0.000865	1057.30762	1174.93225
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1220.0	0.000816	1056.16992	1212.48755
1241.0	0.000816	1056.11475	1213.47375
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1231.0	0.000816	1056.00427	1215.06335
1217.0	0.000816	1055.94885	1215.73926

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1186.0	0.000865	1055.61462	1220.51746
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1183.0	0.000865	1055.50244	1222.54919
1167.0	0.000865	1055.44617	1223.47253
1231.0	0.000816	1055.38989	1224.22546
1157.0	0.000865	1055.33350	1224.74255
1198.0	0.000816	1055.27686	1224.89343
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1189.0	0.000865	1055.16357	1223.86108
1190.0	0.000865	1055.10681	1222.56873
1191.0	0.000816	1055.04993	1220.71594
1147.0	0.000865	1054.99292	1218.30664
1183.0	0.000865	1054.93591	1215.37085
1223.0	0.000816	1054.87866	1211.96118
1184.0	0.000865	1054.82141	1208.15894
1187.0	0.000865	1054.76404	1204.05554
1204.0	0.000816	1054.70654	1199.75989
1142.0	0.000865	1054.64893	1195.38306
1151.0	0.000865	1054.59131	1191.03406
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1185.0	0.000865	1054.12634	1167.09082
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1181.0	0.000865	1054.00916	1165.96191
1188.0	0.000865	1053.95044	1166.26282
1158.0	0.000865	1053.89148	1167.15088
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1168.0	0.000865	1053.77344	1170.67163
1146.0	0.000865	1053.71423	1173.28967
1189.0	0.000865	1053.65503	1176.45081
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1267.0	0.000772	1053.53613	1184.28638
1225.0	0.000816	1053.47644	1188.86938
1189.0	0.000865	1053.41675	1193.80823
1272.0	0.000772	1053.35693	1199.02161
1226.0	0.000816	1053.29712	1204.40515
1219.0	0.000816	1053.23706	1209.83215
1269.0	0.000772	1053.17688	1215.15808
1192.0	0.000816	1053.11670	1220.21899
1216.0	0.000816	1053.05640	1224.83923
1295.0	0.000772	1052.99597	1228.84717
1258.0	0.000816	1052.93530	1232.07544
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1257.0	0.000816	1052.81396	1235.64148

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1222.0	0.000816	1052.69214	1235.08313
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1201.0	0.000816	1052.56982	1230.61926
1230.0	0.000816	1052.50854	1227.24414
1161.0	0.000865	1052.44714	1223.27722
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1168.0	0.000865	1051.00427	1149.91150
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1154.0	0.000865	1048.82813	1146.81274
1141.0	0.000865	1048.76013	1147.91553
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1131.0	0.000865	1048.55554	1150.51917
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1088.0	0.000918	1045.65051	1092.28088
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2 2 0 1 o	67193.27	58257.10	0.00 6.35632 100.00
2 2 0 2 o	24103.592	24103.592	0.00 6.30584 38.43
1 1 1 3 o	493.973	493.973	0.00 5.75827 1.35

1	1	1	1	o	18199.480	17986.139	87.92	5.81754	53.09
1	1	1	2	o	15794.610	15794.610	0.00	5.79801	42.59
0	4	0	3	o	18549.977	18549.977	0.00	4.56039	7.96
0	4	0	1	o	32875.738	25217.789	0.00	4.63289	13.01
0	4	0	2	o	18704.207	18704.207	0.00	4.60738	7.97
1	3	1	3	o	2462.781	2462.781	0.00	4.29534	3.75
4	0	0	3	o	21733.848	21733.848	0.00	4.27561	8.20
4	0	0	1	o	25441.939	20562.215	0.00	4.36798	8.95
3	1	1	3	o	8270.193	8270.193	0.00	4.16993	11.87
1	3	1	1	o	14235.413	12093.979	50.74	4.35019	21.65
3	1	1	1	o	26261.969	24963.016	-15.26	4.23509	37.69
1	3	1	2	o	10456.122	10456.122	0.00	4.33145	15.75
4	0	0	2	o	94.694	94.694	0.00	4.32391	0.04
2	4	0	3	o	25094.600	25094.600	0.00	4.02392	16.77
2	4	0	1	o	44136.52	44058.11	0.00	4.09295	27.28
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4	2	0	3	o	36456.29	36456.29	0.00	3.87135	22.56
4	2	0	1	o	49812.36	49643.63	-180.00	3.95098	28.69
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4	2	0	2	o	21075.098	21075.098	0.00	3.91439	12.97
3	3	1	3	o	1674.710	1674.710	0.00	3.50173	1.70
3	3	1	1	o	5309.381	5617.526	167.49	3.55674	5.25
3	3	1	2	o	1895.925	1895.925	0.00	3.53456	1.90
1	5	1	3	o	23748.072	23748.072	0.00	3.12677	19.20
4	4	0	3	o	125.722	125.722	0.00	3.11913	0.05
4	4	0	1	o	34401.137	37088.35	-180.00	3.17816	12.84
0	2	2	3	o	21674.828	21674.828	0.00	3.05766	8.38
1	5	1	1	o	57671.06	60183.08	-7.08	3.17128	44.85
5	1	1	3	o	23622.293	23622.293	0.00	2.98524	17.42
2	0	2	3	o	7791.940	7791.940	0.00	3.03428	2.97
1	5	1	2	o	11560.632	11560.632	0.00	3.15584	9.27
4	4	0	2	o	49082.57	49082.57	0.00	3.15292	19.63
0	2	2	1	o	93377.42	92650.41	-104.33	3.08479	39.24
5	1	1	1	o	52820.98	55637.91	-119.30	3.04056	37.64
2	0	2	1	o	93675.73	91290.33	4.31	3.06365	38.73
0	2	2	2	o	68664.20	68664.20	0.00	3.07705	26.17
2	2	2	3	o	0.006	0.006	0.00	2.87914	0.00
2	6	0	3	o	198.975	198.975	0.00	2.86459	0.07
2	0	2	2	o	78992.36	78992.36	0.00	3.05408	29.66
5	1	1	2	o	25184.299	25184.299	0.00	3.01543	18.44
2	6	0	1	o	168.660	194.095	0.00	2.91196	0.05
3	5	1	3	o	49236.23	49236.23	0.00	2.77740	31.46
2	2	2	1	o	39546.53	43228.98	-144.29	2.90877	28.96
2	2	2	2	o	0.006	0.006	0.00	2.89900	0.00
6	2	0	3	o	15231.063	15231.063	0.00	2.72064	4.67
2	6	0	2	o	48703.47	48703.47	0.00	2.89443	16.43
5	3	1	3	o	20747.416	20747.416	0.00	2.70910	12.62
3	5	1	1	o	107389.43	111489.63	39.47	2.82122	65.55
6	2	0	1	o	8597.731	8545.526	-180.00	2.77803	2.46
5	3	1	1	o	66954.23	70266.29	-8.01	2.75804	39.01
3	5	1	2	o	46911.22	46911.22	0.00	2.80439	29.73
6	2	0	2	o	2158.572	2158.572	0.00	2.75114	0.66
5	3	1	2	o	30099.078	30099.078	0.00	2.73659	18.17
2	4	2	3	o	4848.103	4848.103	0.00	2.52620	2.57



4	2	2	3	o	8851.865	8851.865	0.00	2.48711	4.54
4	6	0	3	o	0.056	0.056	0.00	2.47772	0.00
2	4	2	1	o	1456.492	1746.542	-107.61	2.55544	0.79
4	6	0	1	o	3555.942	3785.889	-180.00	2.52184	0.84
6	4	0	3	o	0.001	0.001	0.00	2.41710	0.00
1	7	1	3	o	10205.843	10205.843	0.00	2.39450	4.86
4	2	2	1	o	1470.582	1687.901	-20.41	2.51977	0.78
2	4	2	2	o	5136.034	5136.034	0.00	2.54560	2.69
6	4	0	1	o	7169.994	6140.479	0.00	2.46542	1.62
4	2	2	2	o	2950.514	2950.514	0.00	2.50704	1.50
4	6	0	2	o	0.277	0.277	0.00	2.50408	0.00
5	5	1	3	o	2770.250	2770.250	0.00	2.32913	1.25
1	7	1	1	o	26791.023	26194.863	52.65	2.43023	12.05
6	4	0	2	o	6844.660	6844.660	0.00	2.44373	1.65
0	8	0	3	o	224.863	224.863	0.00	2.28019	0.02
7	1	1	3	o	22258.436	22258.436	0.00	2.26883	9.52
1	7	1	2	o	19522.525	19522.525	0.00	2.41776	9.22
5	5	1	1	o	7206.705	7972.105	-71.15	2.36988	3.08
4	4	2	3	o	0.003	0.003	0.00	2.24890	0.00
0	8	0	1	o	52633.01	56450.82	180.00	2.31645	5.24
3	7	1	3	o	8155.233	8155.233	0.00	2.22629	3.36
0	6	2	3	o	3389.876	3389.876	0.00	2.21879	0.69
7	1	1	1	o	7453.027	8006.740	-0.10	2.31381	3.03
5	5	1	2	o	1900.938	1900.938	0.00	2.35285	0.85
2	8	0	3	o	7801.018	7801.018	0.00	2.20321	1.57
3	7	1	1	o	3110.697	2839.163	3.44	2.26151	1.21
4	4	2	1	o	11457.414	11792.979	32.63	2.27955	4.86
0	8	0	2	o	24577.910	24577.910	0.00	2.30369	2.64
2	8	0	1	o	14085.544	13815.563	0.00	2.23907	2.62
7	1	1	2	o	5311.129	5311.129	0.00	2.29291	2.26
2	6	2	3	o	0.006	0.006	0.00	2.14767	0.00
0	6	2	1	o	23416.570	25049.955	47.40	2.24582	4.81
6	0	2	3	o	5174.589	5174.589	0.00	2.14167	0.99
7	3	1	3	o	1580.511	1580.511	0.00	2.14026	0.60
8	0	0	3	o	1171.310	1171.310	0.00	2.13780	0.11
4	4	2	2	o	0.009	0.009	0.00	2.26785	0.00
1	1	3	3	o	12.321	12.321	0.00	2.13183	0.00
3	7	1	2	o	9505.200	9505.200	0.00	2.24839	3.89
0	6	2	2	o	54.467	54.467	0.00	2.23701	0.01
8	0	0	1	o	189.172	195.084	180.00	2.18399	0.02
2	8	0	2	o	0.002	0.002	0.00	2.22606	0.00
7	3	1	1	o	12619.072	13349.164	150.31	2.18176	4.56
6	2	2	3	o	2511.032	2511.032	0.00	2.08496	0.91
8	2	0	3	o	2.004	2.004	0.00	2.08139	0.00
6	0	2	1	o	154.746	150.594	-106.80	2.17510	0.03
2	6	2	1	o	26972.084	26246.094	-176.66	2.17509	10.33
6	6	0	3	o	40376.99	40376.99	0.00	2.07942	7.27
1	1	3	1	o	128.945	120.034	-120.07	2.14954	0.05
2	6	2	2	o	0.025	0.025	0.00	2.16572	0.00
8	2	0	1	o	43772.97	46604.13	-180.00	2.12574	7.35
7	3	1	2	o	14481.509	14481.509	0.00	2.16290	5.48
8	0	0	2	o	10822.553	10822.553	0.00	2.16196	1.02
1	3	3	3	o	321.278	321.278	0.00	2.02411	0.11
6	0	2	2	o	7793.967	7793.967	0.00	2.16076	1.47

6	6	0	1	o	14436.422	15472.063	180.00	2.11877	2.41
4	8	0	3	o	0.284	0.284	0.00	2.01196	0.00
3	1	3	3	o	0.013	0.013	0.00	2.01053	0.00
1	1	3	2	o	8211.739	8211.739	0.00	2.14459	3.06
6	2	2	1	o	31124.939	33761.547	-116.54	2.11754	11.26
5	7	1	3	o	65.568	65.568	0.00	1.97464	0.02
8	2	0	2	o	0.001	0.001	0.00	2.10480	0.00
6	2	2	2	o	0.001	0.001	0.00	2.10370	0.00
6	6	0	2	o	65369.36	65369.36	0.00	2.10195	11.69
4	6	2	3	o	2951.609	2951.609	0.00	1.96940	0.95
4	8	0	1	o	2169.172	2371.038	180.00	2.04648	0.34
6	4	2	3	o	159.626	159.626	0.00	1.93854	0.05
7	5	1	3	o	66.091	66.091	0.00	1.93749	0.02
8	4	0	3	o	125.105	125.105	0.00	1.93567	0.02
1	3	3	1	o	7184.416	7108.264	-40.16	2.04243	2.66
3	1	3	1	o	7168.292	6820.104	83.76	2.03014	2.61
1	9	1	3	o	5868.059	5868.059	0.00	1.92245	1.81
5	7	1	1	o	2199.495	2563.445	-162.07	2.00830	0.67
3	3	3	3	o	2.246	2.246	0.00	1.91942	0.00
1	3	3	2	o	2495.977	2495.977	0.00	2.03709	0.84
4	8	0	2	o	16035.484	16035.484	0.00	2.03314	2.69
4	6	2	1	o	4416.613	5302.665	5.98	1.99728	1.41
3	1	3	2	o	4947.283	4947.283	0.00	2.02374	1.64
8	4	0	1	o	14208.553	14658.228	0.00	1.97549	2.07
7	5	1	1	o	1018.646	1046.910	67.53	1.97384	0.30
6	4	2	1	o	3741.835	3615.139	-52.06	1.96891	1.16
5	7	1	2	o	0.012	0.012	0.00	1.99482	0.00
4	6	2	2	o	4075.546	4075.546	0.00	1.98686	1.30
1	9	1	1	o	423.562	405.452	103.58	1.95180	0.12
1	5	3	3	o	146.271	146.271	0.00	1.85007	0.04
7	5	1	2	o	1719.120	1719.120	0.00	1.95789	0.53
8	4	0	2	o	2877.539	2877.539	0.00	1.95720	0.45
6	4	2	2	o	2767.624	2767.624	0.00	1.95631	0.86
3	3	3	1	o	29076.004	29250.293	-35.24	1.93918	9.53
3	9	1	3	o	2069.654	2069.654	0.00	1.83208	0.58
1	9	1	2	o	1315.333	1315.333	0.00	1.94153	0.40
3	3	3	2	o	16368.447	16368.447	0.00	1.93267	4.96
2	8	2	3	o	11227.207	11227.207	0.00	1.82286	3.12
5	1	3	3	o	2587.150	2587.150	0.00	1.81941	0.72
9	1	1	3	o	147.421	147.421	0.00	1.81468	0.04
1	5	3	1	o	4958.697	4921.669	38.78	1.86888	1.49
3	9	1	1	o	899.078	883.076	-0.38	1.86111	0.24
2	10	0	3	o	19749.361	19749.361	0.00	1.78401	2.63
6	8	0	3	o	0.002	0.002	0.00	1.78057	0.00
9	1	1	1	o	449.664	453.004	-70.01	1.85181	0.12
2	8	2	1	o	4304.535	4219.859	-100.04	1.84773	1.17
3	5	3	3	o	1309.527	1309.527	0.00	1.76911	0.34
5	1	3	1	o	15633.442	16631.666	-73.98	1.84101	4.55
1	5	3	2	o	4507.726	4507.726	0.00	1.86311	1.27
6	8	0	1	o	937.176	985.277	0.00	1.81283	0.11
2	10	0	1	o	68606.46	72119.05	0.00	1.81282	8.42
8	2	2	3	o	13146.403	13146.403	0.00	1.75204	3.37
6	6	2	3	o	0.002	0.002	0.00	1.75087	0.00
5	3	3	3	o	603.632	603.632	0.00	1.75107	0.15

8 6 0 3 o 0.001 0.001 0.00 1.74875 0.00  
3 9 1 2 o 4186.487 4186.487 0.00 1.85049 1.16  
9 3 1 3 o 13.781 13.781 0.00 1.74684 0.00  
2 8 2 2 o 372.971 372.971 0.00 1.83915 0.10  
9 1 1 2 o 3749.490 3749.490 0.00 1.83438 1.03  
5 1 3 2 o 5373.764 5373.764 0.00 1.83292 1.47  
4 8 2 3 o 0.001 0.001 0.00 1.71002 0.00  
8 6 0 1 o 17626.584 18375.189 -180.00 1.78322 2.09  
7 7 1 3 o 122.243 122.243 0.00 1.71874 0.03  
3 5 3 1 o 21912.646 21074.813 3.57 1.78880 5.98  
8 2 2 1 o 11695.422 12207.482 -84.85 1.78248 2.94  
9 3 1 1 o 201.906 208.576 7.14 1.78200 0.05  
6 6 2 1 o 6570.922 6370.287 12.54 1.77837 1.64  
2 10 0 2 o 32833.340 32833.340 0.00 1.80248 4.34  
5 9 1 3 o 3732.615 3732.615 0.00 1.68399 0.89  
5 3 3 1 o 31465.379 32690.402 135.15 1.77237 8.41  
6 8 0 2 o 0.821 0.821 0.00 1.79961 0.00  
10 2 0 3 o 18314.945 18314.945 0.00 1.68095 2.17  
4 10 0 3 o 0.001 0.001 0.00 1.67783 0.00  
3 5 3 2 o 13395.140 13395.140 0.00 1.78222 3.46  
7 7 1 1 o 19604.313 19578.125 -88.67 1.74993 4.55  
8 4 2 3 o 0.001 0.001 0.00 1.66244 0.00  
8 2 2 2 o 2845.072 2845.072 0.00 1.76898 0.72  
1 7 3 3 o 0.002 0.002 0.00 1.65683 0.00  
8 6 0 2 o 0.001 0.001 0.00 1.76794 0.00  
6 6 2 2 o 0.001 0.001 0.00 1.76728 0.00  
9 3 1 2 o 10787.124 10787.124 0.00 1.76574 2.74  
5 3 3 2 o 16253.988 16253.988 0.00 1.76444 4.12  
4 8 2 1 o 11277.888 11626.093 91.58 1.73497 2.68  
10 2 0 1 o 51465.19 57481.83 0.00 1.71694 5.67  
4 10 0 1 o 48207.74 53661.97 0.00 1.70597 5.25  
5 5 3 3 o 335.045 335.045 0.00 1.63470 0.08  
9 5 1 3 o 3957.525 3957.525 0.00 1.63126 0.88  
5 9 1 1 o 2161.508 2214.477 61.48 1.71217 0.48  
7 7 1 2 o 5225.943 5225.943 0.00 1.73675 1.28  
0 0 4 3 o 312.640 312.640 0.00 1.62273 0.02  
4 8 2 2 o 13188.065 13188.065 0.00 1.72579 3.20  
7 1 3 3 o 852.771 852.771 0.00 1.61344 0.19  
8 4 2 1 o 16104.481 17403.482 6.69 1.69108 3.63  
10 4 0 3 o 0.001 0.001 0.00 1.60134 0.00  
1 11 1 3 o 8163.943 8163.943 0.00 1.59967 1.75  
3 7 3 3 o 11990.091 11990.091 0.00 1.59793 2.57  
9 5 1 1 o 5287.393 5155.510 97.73 1.66321 1.11  
5 9 1 2 o 1292.043 1292.043 0.00 1.70124 0.30  
1 7 3 1 o 22600.047 23371.115 -49.79 1.67554 5.33  
10 2 0 2 o 15971.425 15971.425 0.00 1.69988 1.88  
4 10 0 2 o 0.002 0.002 0.00 1.69538 0.00  
0 10 2 3 o 9214.185 9214.185 0.00 1.59019 0.98  
5 5 3 1 o 6113.076 6880.623 30.51 1.65537 1.40  
8 4 2 2 o 0.005 0.005 0.00 1.67861 0.00  
10 4 0 1 o 7678.378 7637.555 -180.00 1.63480 0.77  
2 2 4 3 o 4712.710 4712.710 0.00 1.57047 0.98  
1 7 3 2 o 14009.650 14009.650 0.00 1.66957 3.18  
7 3 3 3 o 993.528 993.528 0.00 1.56520 0.20

2	10	2	3	o	0.002	0.002	0.00	1.56338	0.00
6	8	2	3	o	3715.843	3715.843	0.00	1.56106	0.76
1	11	1	1	o	4488.516	4524.722	1.76	1.62441	0.90
7	1	3	1	o	3812.019	3764.558	-164.03	1.63591	0.85
0	0	4	1	o	109390.38	107435.55	80.16	1.63571	6.71
8	8	0	3	o	2913.726	2913.726	0.00	1.55956	0.30
9	5	1	2	o	0.001	0.001	0.00	1.64881	0.00
5	5	3	2	o	0.001	0.001	0.00	1.64774	0.00
3	11	1	3	o	4482.057	4482.057	0.00	1.54647	0.90
3	7	3	1	o	20555.059	21184.947	-75.01	1.61711	4.49
8	6	2	3	o	19.406	19.406	0.00	1.53949	0.00
0	10	2	1	o	78814.27	79986.95	28.21	1.61242	8.05
0	0	4	2	o	75037.65	75037.65	0.00	1.63222	4.08
6	10	0	3	o	425.222	425.222	0.00	1.53646	0.04
10	4	0	2	o	0.001	0.001	0.00	1.61924	0.00
7	1	3	2	o	11346.235	11346.235	0.00	1.62675	2.45
1	11	1	2	o	648.291	648.291	0.00	1.61573	0.14
8	8	0	1	o	3939.885	3879.284	0.00	1.58908	0.37
0	4	4	3	o	6887.009	6887.009	0.00	1.52883	0.68
3	7	3	2	o	3843.580	3843.580	0.00	1.61062	0.81
6	8	2	1	o	9341.522	10120.570	-35.95	1.58565	1.84
2	10	2	1	o	2770.302	3001.488	114.83	1.58564	0.55
0	10	2	2	o	35778.91	35778.91	0.00	1.60486	3.76
0	12	0	3	o	178.431	178.431	0.00	1.52013	0.01
7	9	1	3	o	255.449	255.449	0.00	1.51675	0.05
4	0	4	3	o	539.915	539.915	0.00	1.51714	0.05
7	3	3	1	o	26347.168	27781.980	-4.01	1.58718	5.52
10	0	2	3	o	1326.991	1326.991	0.00	1.51302	0.13
2	2	4	1	o	1019.588	1119.430	-97.24	1.58410	0.23
3	11	1	1	o	8941.115	8400.462	107.45	1.57100	1.67
11	1	1	3	o	11658.291	11658.291	0.00	1.50683	2.23
8	6	2	1	o	13312.752	12938.365	-93.23	1.56572	2.56
6	10	0	1	o	10350.685	9946.279	0.00	1.56342	0.95
2	4	4	3	o	0.002	0.002	0.00	1.50497	0.00
2	2	4	2	o	120.540	120.540	0.00	1.58014	0.02
7	3	3	2	o	698.224	698.224	0.00	1.57830	0.14
2	10	2	2	o	0.001	0.001	0.00	1.57792	0.00
5	7	3	3	o	2753.050	2753.050	0.00	1.49681	0.52
2	12	0	3	o	0.001	0.001	0.00	1.49666	0.00
4	2	4	3	o	0.001	0.001	0.00	1.49658	0.00
8	8	0	2	o	11692.224	11692.224	0.00	1.57646	1.19
6	8	2	2	o	13211.766	13211.766	0.00	1.57600	2.68
9	7	1	3	o	5288.743	5288.743	0.00	1.49417	0.99
10	2	2	3	o	0.002	0.002	0.00	1.49262	0.00
10	6	0	3	o	7613.472	7613.472	0.00	1.49058	0.71
4	10	2	3	o	7030.819	7030.819	0.00	1.49044	1.31
1	9	3	3	o	1053.980	1053.980	0.00	1.47369	0.19
0	12	0	1	o	11198.602	11043.914	0.00	1.54430	0.50
7	9	1	1	o	13020.183	13206.971	-125.62	1.54352	2.35
10	0	2	1	o	44645.94	48770.97	-130.88	1.54116	4.16
11	3	1	3	o	0.013	0.013	0.00	1.46731	0.00
3	11	1	2	o	1138.378	1138.378	0.00	1.56212	0.23
11	1	1	1	o	13004.250	13977.645	89.58	1.53820	2.34
7	5	3	3	o	3102.772	3102.772	0.00	1.48044	0.57

8 6 2 2 o 4453.827 4453.827 0.00 1.55459 0.88  
0 4 4 1 o 544.395 580.178 -69.84 1.54240 0.06  
6 10 0 2 o 17230.357 17230.357 0.00 1.55273 1.70  
5 11 1 3 o 118.509 118.509 0.00 1.45426 0.02  
9 7 1 1 o 23601.316 25475.402 164.79 1.52254 4.15  
10 6 0 1 o 17393.148 18625.678 0.00 1.52073 1.51  
4 0 4 1 o 979.600 946.383 77.86 1.53182 0.10  
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2 12 0 1 o 878.870 941.032 0.00 1.52072 0.08  
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4 10 2 1 o 18485.637 18509.887 -15.61 1.51265 3.31  
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4 0 4 2 o 6263.609 6263.609 0.00 1.52704 0.60  
5 7 3 1 o 16676.879 16982.305 -88.19 1.51652 3.17  
4 12 0 3 o 14322.964 14322.964 0.00 1.43230 1.24  
11 1 1 2 o 66.725 66.725 0.00 1.52340 0.01  
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4 2 4 1 o 27938.793 28360.811 -121.62 1.51131 5.69  
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4 2 4 2 o 0.003 0.003 0.00 1.50649 0.00  
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4 10 2 2 o 21361.465 21361.465 0.00 1.50457 3.96  
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4 12 0 2 o 23099.881 23099.881 0.00 1.44722 1.98  
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6 10 2 1 o 26911.473 29038.904 39.71 1.41061 4.19  
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6 12 0 3 o 0.001 0.001 0.00 1.34131 0.00  
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2 12 2 1 o 9434.760 10560.118 -9.04 1.37901 1.40  
5 9 3 1 o 42.546 44.726 41.52 1.37621 0.01  
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4 12 2 3 o 0.003 0.003 0.00 1.31036 0.00  
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7 11 1 1 o 20041.018 20020.406 -49.85 1.36562 2.85  
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2 8 4 3 o 0.001 0.001 0.00 1.30659 0.00  
1 13 1 2 o 0.190 0.190 0.00 1.38095 0.00  
2 14 0 3 o 8497.958 8497.958 0.00 1.28810 0.60  
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3 13 1 1 o 5485.572 5060.595 -10.79 1.35463 0.77  
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5 9 3 2 o 3929.904 3929.904 0.00 1.36949 0.61  
3 11 3 3 o 2846.365 2846.365 0.00 1.28246 0.40  
9 5 3 1 o 9444.152 11074.960 4.96 1.35040 1.40  
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4 6 4 2 o 0.002 0.002 0.00 1.36738 0.00  
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6 6 4 3 o 9369.927 9369.927 0.00 1.27930 1.30  
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12 6 0 3 o 0.001 0.001 0.00 1.29045 0.00  
1 1 5 3 o 2657.003 2657.003 0.00 1.29122 0.38  
8 10 2 3 o 8162.647 8162.647 0.00 1.27591 1.13  
5 13 1 3 o 1070.228 1070.228 0.00 1.27299 0.15  
6 4 4 2 o 0.016 0.016 0.00 1.35730 0.00  
7 11 1 2 o 5649.581 5649.581 0.00 1.35642 0.86  
6 12 0 2 o 0.001 0.001 0.00 1.35542 0.00  
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11 7 1 1 o 8913.157 10491.346 -130.67 1.33343 1.21  
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7 9 3 3 o 8925.326 8925.326 0.00 1.26535 1.21  
4 12 2 1 o 27366.826 29711.658 -141.11 1.33019 3.78  
4 8 4 3 o 12717.873 12717.873 0.00 1.26310 1.73  
3 13 1 2 o 0.001 0.001 0.00 1.34703 0.00  
3 1 5 3 o 4533.960 4533.960 0.00 1.26275 0.61  
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13 3 1 3 o 3588.676 3588.676 0.00 1.26131 0.49  
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13 1 1 1 o 21092.771 21337.045 -74.53 1.31320 2.78  
12 4 2 3 o 0.001 0.001 0.00 1.25457 0.00  
2 8 4 1 o 43499.70 43148.62 75.00 1.32081 6.54  
9 7 3 3 o 2940.281 2940.281 0.00 1.25216 0.39  
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10 10 0 3 o 8099.277 8099.277 0.00 1.24765 0.54  
4 14 0 3 o 0.002 0.002 0.00 1.24638 0.00  
8 0 4 1 o 5766.517 5658.652 -79.04 1.30922 0.42  
8 4 4 3 o 6322.846 6322.846 0.00 1.24356 0.83  
1 11 3 2 o 3291.829 3291.829 0.00 1.32368 0.48  
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11 7 1 2 o 23260.441 23260.441 0.00 1.32196 3.35  
6 12 2 3 o 1946.460 1946.460 0.00 1.23961 0.25

8	12	0	3	o	1668.541	1668.541	0.00	1.23886	0.11
3	3	5	3	o	738.195	738.195	0.00	1.23922	0.10
5	13	1	1	o	11492.589	12035.019	83.25	1.29384	1.47
1	1	5	1	o	3305.189	3081.763	171.96	1.30169	0.52
11	3	3	3	o	183.680	183.680	0.00	1.23622	0.02
2	8	4	2	o	0.037	0.037	0.00	1.31629	0.00
3	11	3	1	o	4683.542	4451.151	-53.25	1.29962	0.64
8	10	2	1	o	278.600	290.480	-119.23	1.29719	0.04
13	3	1	1	o	31328.982	31668.480	23.97	1.28759	3.97
8	2	4	1	o	50393.36	54168.54	-108.38	1.29635	7.27
6	6	4	1	o	25248.955	27167.326	-101.87	1.29476	3.63
5	11	3	3	o	2518.285	2518.285	0.00	1.22839	0.32
9	11	1	3	o	4642.040	4642.040	0.00	1.22693	0.60
12	2	2	2	o	10610.948	10610.948	0.00	1.30522	1.49
12	6	0	2	o	0.002	0.002	0.00	1.30480	0.00
8	0	4	2	o	13846.030	13846.030	0.00	1.30266	0.97
2	14	0	2	o	10273.749	10273.749	0.00	1.30140	0.72
13	1	1	2	o	3497.995	3497.995	0.00	1.30039	0.49
7	9	3	1	o	32918.535	32652.084	-144.58	1.28394	4.40
1	1	5	2	o	2549.112	2549.112	0.00	1.29883	0.36
10	8	2	1	o	6954.715	6917.727	7.88	1.28313	0.90
1	5	5	3	o	3422.691	3422.691	0.00	1.21995	0.43
11	1	3	1	o	11861.652	11818.804	-56.08	1.28087	1.58
10	10	0	1	o	19945.393	20496.762	-180.00	1.27126	1.22
12	4	2	1	o	9122.592	9008.618	173.13	1.27854	1.17
13	5	1	3	o	5967.693	5967.693	0.00	1.21567	0.75
3	11	3	2	o	568.722	568.722	0.00	1.29372	0.08
4	8	4	1	o	21704.102	21349.887	-92.43	1.27772	3.03
1	3	5	1	o	730.681	716.488	167.02	1.27673	0.11
4	14	0	1	o	10403.451	10351.915	0.00	1.26679	0.63
8	2	4	2	o	0.002	0.002	0.00	1.28983	0.00
3	1	5	1	o	10827.604	10960.300	-20.06	1.27372	1.61
6	6	4	2	o	7588.212	7588.212	0.00	1.28918	1.04
11	9	1	3	o	2072.097	2072.097	0.00	1.21193	0.26
8	10	2	2	o	9727.006	9727.006	0.00	1.28862	1.33
14	2	0	3	o	3543.104	3543.104	0.00	1.21079	0.22
9	7	3	1	o	28905.100	29911.199	-94.66	1.27179	3.79
5	1	5	3	o	1552.892	1552.892	0.00	1.21103	0.19
5	13	1	2	o	5356.617	5356.617	0.00	1.28607	0.73
12	8	0	3	o	2398.731	2398.731	0.00	1.20855	0.15
0	14	2	3	o	2424.901	2424.901	0.00	1.20916	0.15
8	12	0	1	o	2760.372	2706.388	-180.00	1.26092	0.17
6	12	2	1	o	8274.884	8270.960	-89.73	1.25920	1.03
7	9	3	2	o	3948.778	3948.778	0.00	1.27679	0.53
2	10	4	3	o	11897.408	11897.408	0.00	1.20042	1.46
8	4	4	1	o	3272.465	3240.443	-81.93	1.25988	0.44
13	3	1	2	o	2040.316	2040.316	0.00	1.27525	0.27
12	6	2	3	o	15807.353	15807.353	0.00	1.19913	1.94
1	3	5	2	o	1547.406	1547.406	0.00	1.27377	0.21
6	8	4	3	o	0.003	0.003	0.00	1.19937	0.00
10	8	2	2	o	2210.649	2210.649	0.00	1.27354	0.30
4	8	4	2	o	1984.856	1984.856	0.00	1.27280	0.27
11	3	3	1	o	10436.621	10573.358	-25.87	1.25707	1.34
9	11	1	1	o	5209.116	5292.056	4.40	1.24899	0.62



2	14	2	3	o	0.003	0.003	0.00	1.19725	0.00
11	1	3	2	o	844.690	844.690	0.00	1.27146	0.11
3	1	5	2	o	845.473	845.473	0.00	1.27049	0.11
7	13	1	3	o	6065.383	6065.383	0.00	1.19596	0.74
3	5	5	3	o	4932.586	4932.586	0.00	1.19585	0.60
11	5	3	3	o	3318.613	3318.613	0.00	1.19316	0.40
12	4	2	2	o	0.002	0.002	0.00	1.26762	0.00
1	15	1	3	o	3241.996	3241.996	0.00	1.19240	0.39
3	3	5	1	o	8528.417	8588.456	-133.09	1.25031	1.22
13	5	1	1	o	13518.238	13508.091	146.96	1.24057	1.59
5	3	5	3	o	3910.219	3910.219	0.00	1.19023	0.47
9	7	3	2	o	7455.491	7455.491	0.00	1.26372	0.98
8	6	4	3	o	0.003	0.003	0.00	1.18950	0.00
10	10	0	2	o	2539.373	2539.373	0.00	1.26117	0.17
5	11	3	1	o	2604.684	2529.484	-124.50	1.24566	0.33
14	2	0	1	o	2733.010	2663.147	180.00	1.23683	0.16
4	14	0	2	o	0.001	0.001	0.00	1.25933	0.00
6	14	0	3	o	4673.148	4673.148	0.00	1.18503	0.28
11	9	1	1	o	10903.957	11259.452	34.67	1.23504	1.27
12	8	0	1	o	17579.625	18613.080	0.00	1.23271	1.02
8	4	4	2	o	2467.331	2467.331	0.00	1.25352	0.32
14	4	0	3	o	0.001	0.001	0.00	1.18000	0.00
8	12	0	2	o	5987.591	5987.591	0.00	1.25204	0.39
6	12	2	2	o	6143.758	6143.758	0.00	1.25181	0.80
0	14	2	1	o	3768.730	3665.166	-135.61	1.22704	0.22
11	3	3	2	o	7055.814	7055.814	0.00	1.24793	0.91
3	3	5	2	o	7484.979	7484.979	0.00	1.24700	0.96
9	11	1	2	o	583.751	583.751	0.00	1.23988	0.07
1	13	3	3	o	2946.704	2946.704	0.00	1.17451	0.35
5	11	3	2	o	523.347	523.347	0.00	1.23943	0.07
1	5	5	1	o	12594.732	13179.013	124.82	1.23085	1.73
12	6	2	1	o	8304.482	8492.904	-23.49	1.22171	0.97
3	15	1	3	o	3475.378	3475.378	0.00	1.16987	0.41
10	2	4	3	o	2151.406	2151.406	0.00	1.16748	0.25
7	13	1	1	o	6765.043	6583.464	-55.35	1.21627	0.77
9	9	3	3	o	1037.704	1037.704	0.00	1.16725	0.12
5	1	5	1	o	4944.730	5046.575	-78.54	1.22279	0.67
2	14	2	1	o	940.778	920.575	-77.14	1.21512	0.11
4	10	4	3	o	0.001	0.001	0.00	1.16644	0.00
10	10	2	3	o	0.001	0.001	0.00	1.16456	0.00
13	5	1	2	o	1305.459	1305.459	0.00	1.22904	0.16
1	5	5	2	o	1872.685	1872.685	0.00	1.22772	0.23
4	14	2	3	o	4548.906	4548.906	0.00	1.16353	0.53
1	15	1	1	o	34837.582	35354.57	20.24	1.21107	3.92
11	9	1	2	o	5592.969	5592.969	0.00	1.22496	0.70
14	2	0	2	o	10628.642	10628.642	0.00	1.22445	0.66
1	7	5	3	o	56.929	56.929	0.00	1.15931	0.01
6	8	4	1	o	2228.805	2201.975	35.72	1.21442	0.28
2	10	4	1	o	3384.547	3343.940	86.12	1.21442	0.42
7	11	3	3	o	34.317	34.317	0.00	1.15875	0.00
12	8	0	2	o	8483.779	8483.779	0.00	1.22187	0.53
11	5	3	1	o	3515.386	3556.725	-24.39	1.21321	0.42
14	4	0	1	o	4584.825	4662.146	-180.00	1.20504	0.25
8	12	2	3	o	0.001	0.001	0.00	1.15740	0.00

0	14	2	2	o	8965.282	8965.282	0.00	1.22087	0.55
6	14	0	1	o	25323.813	25750.137	0.00	1.20503	1.40
5	1	5	2	o	5435.563	5435.563	0.00	1.21896	0.67
13	7	1	3	o	1.624	1.624	0.00	1.15564	0.00
3	13	3	3	o	167.243	167.243	0.00	1.15296	0.02
3	5	5	1	o	19805.703	19145.109	158.36	1.20712	2.61
5	5	5	3	o	1013.271	1013.271	0.00	1.15165	0.12
0	16	0	3	o	451.023	451.023	0.00	1.14010	0.01
10	4	4	3	o	0.002	0.002	0.00	1.13981	0.00
8	6	4	1	o	20660.551	21164.000	-92.22	1.20540	2.55
3	7	5	3	o	97.000	97.000	0.00	1.13857	0.01
12	6	2	2	o	3103.311	3103.311	0.00	1.21160	0.38
2	10	4	2	o	1736.135	1736.135	0.00	1.20988	0.21
5	3	5	1	o	19789.139	19377.268	9.45	1.20203	2.58
11	7	3	3	o	119.503	119.503	0.00	1.13625	0.01
10	12	0	3	o	0.002	0.002	0.00	1.13619	0.00
6	8	4	2	o	0.002	0.002	0.00	1.20901	0.00
2	14	2	2	o	0.002	0.002	0.00	1.20888	0.00
7	13	1	2	o	394.991	394.991	0.00	1.20839	0.05
14	2	2	3	o	0.001	0.001	0.00	1.13442	0.00
14	6	0	3	o	23.544	23.544	0.00	1.13352	0.00
7	1	5	3	o	200.551	200.551	0.00	1.14415	0.02
12	8	2	3	o	0.001	0.001	0.00	1.13257	0.00
14	0	2	3	o	463.993	463.993	0.00	1.14329	0.03
1	13	3	1	o	5106.147	4993.972	-56.08	1.19046	0.59
11	5	3	2	o	426.722	426.722	0.00	1.20452	0.05
3	5	5	2	o	474.595	474.595	0.00	1.20369	0.06
1	15	1	2	o	499.043	499.043	0.00	1.20451	0.06
3	15	1	1	o	1188.447	1153.290	-17.63	1.18844	0.13
2	16	0	3	o	0.001	0.001	0.00	1.13010	0.00
9	9	3	1	o	90.544	88.436	54.05	1.18558	0.01
5	15	1	3	o	0.001	0.001	0.00	1.12839	0.00
10	10	2	1	o	2034.236	2000.906	-159.99	1.18494	0.22
8	6	4	2	o	0.002	0.002	0.00	1.19926	0.00
5	3	5	2	o	8735.946	8735.946	0.00	1.19817	1.04
7	3	5	3	o	0.003	0.003	0.00	1.12656	0.00
6	14	0	2	o	17229.213	17229.213	0.00	1.19744	1.03
4	14	2	1	o	21605.863	22849.969	-114.91	1.18132	2.36
8	8	4	3	o	1.359	1.359	0.00	1.12445	0.00
12	10	0	3	o	0.001	0.001	0.00	1.12307	0.00
13	7	1	1	o	5739.415	6238.812	91.95	1.17879	0.61
13	1	3	3	o	55.406	55.406	0.00	1.12196	0.01
14	4	0	2	o	0.003	0.003	0.00	1.19325	0.00
15	1	1	3	o	72.488	72.488	0.00	1.12085	0.01
10	2	4	1	o	3152.334	3110.919	35.90	1.18429	0.37
8	12	2	1	o	13349.946	13569.998	-132.22	1.17655	1.45
7	11	3	1	o	4048.519	4031.786	67.04	1.17599	0.45
11	11	1	3	o	0.132	0.132	0.00	1.11730	0.00
4	10	4	1	o	34460.254	37321.44	73.46	1.18068	4.06
6	10	4	3	o	0.002	0.002	0.00	1.11569	0.00
1	13	3	2	o	1012.133	1012.133	0.00	1.18507	0.12
3	13	3	1	o	2972.157	3027.784	116.37	1.16895	0.33
6	14	2	3	o	0.001	0.001	0.00	1.11314	0.00
5	13	3	3	o	0.001	0.001	0.00	1.11320	0.00

8	14	0	3	o	0.001	0.001	0.00	1.11260	0.00
9	13	1	3	o	0.001	0.001	0.00	1.11211	0.00
3	15	1	2	o	2.318	2.318	0.00	1.18180	0.00
14	0	2	1	o	329.121	332.585	49.50	1.16603	0.02
14	4	2	3	o	0.001	0.001	0.00	1.10897	0.00
0	12	4	3	o	0.001	0.001	0.00	1.10939	0.00
9	9	3	2	o	1.501	1.501	0.00	1.17819	0.00
1	7	5	1	o	8550.727	8238.167	-162.39	1.17045	1.05
10	2	4	2	o	7.821	7.821	0.00	1.17735	0.00
10	10	2	2	o	0.001	0.001	0.00	1.17643	0.00
4	10	4	2	o	0.001	0.001	0.00	1.17585	0.00
4	14	2	2	o	2590.370	2590.370	0.00	1.17493	0.30
13	3	3	3	o	0.001	0.001	0.00	1.10536	0.00
15	3	1	3	o	0.001	0.001	0.00	1.10429	0.00
0	16	0	1	o	3084.884	2943.720	180.00	1.15822	0.08
14	6	0	1	o	13539.537	13839.314	0.00	1.15711	0.69
14	2	2	1	o	1175.553	1221.131	74.50	1.15690	0.12
10	12	0	1	o	3444.467	3521.838	-180.00	1.15710	0.18
5	5	5	1	o	162.148	156.678	-151.57	1.16351	0.02
10	4	4	1	o	3427.334	3700.899	-140.92	1.15630	0.39
4	16	0	3	o	0.001	0.001	0.00	1.10161	0.00
11	7	3	1	o	11034.147	12041.632	-127.28	1.15524	1.19
7	11	3	2	o	12489.934	12489.934	0.00	1.16946	1.42
8	12	2	2	o	0.004	0.004	0.00	1.16901	0.00
13	7	1	2	o	6071.459	6071.459	0.00	1.16827	0.69
5	7	5	3	o	0.001	0.001	0.00	1.10023	0.00
2	12	4	3	o	0.001	0.001	0.00	1.10017	0.00
12	8	2	1	o	5001.016	4954.551	-151.61	1.15354	0.52
1	7	5	2	o	5285.537	5285.537	0.00	1.16713	0.60
10	6	4	3	o	0.001	0.001	0.00	1.09775	0.00
7	1	5	1	o	7686.791	8161.494	-25.34	1.15669	0.92
3	13	3	2	o	4157.336	4157.336	0.00	1.16342	0.47
2	16	0	1	o	5131.536	4945.501	0.00	1.14818	0.26
7	5	5	3	o	0.001	0.001	0.00	1.09368	0.00
5	15	1	1	o	4743.296	4886.695	52.22	1.14675	0.48
5	5	5	2	o	149.418	149.418	0.00	1.15960	0.02
12	10	0	1	o	8839.275	9454.240	0.00	1.14489	0.44
15	1	1	1	o	12285.866	13130.260	16.70	1.14458	1.24
1	9	5	3	o	0.001	0.001	0.00	1.09095	0.00
3	7	5	1	o	6054.057	5340.953	-127.17	1.14999	0.71
13	1	3	1	o	974.421	917.499	-136.74	1.14201	0.10
14	0	2	2	o	7.785	7.785	0.00	1.15543	0.00
13	9	1	3	o	0.001	0.001	0.00	1.08789	0.00
8	8	4	1	o	2035.759	2011.818	-57.93	1.13978	0.22
7	1	5	2	o	185.213	185.213	0.00	1.15221	0.02
11	11	1	1	o	13567.822	14132.516	-80.36	1.13808	1.35
0	16	0	2	o	1520.704	1520.704	0.00	1.15184	0.04
10	4	4	2	o	0.011	0.011	0.00	1.14953	0.00
10	12	0	2	o	0.008	0.008	0.00	1.14839	0.00
9	11	3	3	o	0.001	0.001	0.00	1.08200	0.00
11	7	3	2	o	958.647	958.647	0.00	1.14715	0.11
3	7	5	2	o	839.816	839.816	0.00	1.14644	0.09
14	2	2	2	o	0.004	0.004	0.00	1.14645	0.00
7	3	5	1	o	6762.003	7006.099	153.83	1.13908	0.78

14	6	0	2	o	1422.604	1422.604	0.00	1.14617	0.08
8	14	0	1	o	3289.700	3397.632	-180.00	1.13200	0.16
9	13	1	1	o	10615.158	11154.216	-77.64	1.13169	1.05
14	4	2	1	o	17730.258	19389.715	23.93	1.13077	1.78
6	14	2	1	o	113.279	123.915	-86.62	1.13076	0.01
12	8	2	2	o	0.003	0.003	0.00	1.14433	0.00
6	10	4	1	o	1510.457	1683.954	-73.88	1.13020	0.16
5	13	3	1	o	14868.049	16981.180	1.56	1.12921	1.53
14	8	0	3	o	0.001	0.001	0.00	1.07680	0.00
2	16	0	2	o	0.003	0.003	0.00	1.14176	0.00
15	3	1	1	o	12441.563	14672.405	-54.39	1.12750	1.22
5	15	1	2	o	1994.755	1994.755	0.00	1.13999	0.22
13	5	3	3	o	2.239	2.239	0.00	1.07425	0.00
13	3	3	1	o	9389.125	10510.032	21.39	1.12505	0.96
0	2	6	3	o	1.632	1.632	0.00	1.07429	0.00
15	5	1	3	o	0.791	0.791	0.00	1.07328	0.00
7	15	1	3	o	0.703	0.703	0.00	1.07370	0.00
4	12	4	3	o	1.211	1.211	0.00	1.07384	0.00
3	9	5	3	o	0.378	0.378	0.00	1.07362	0.00
2	0	6	3	o	0.382	0.382	0.00	1.07327	0.00
10	12	2	3	o	0.242	0.242	0.00	1.07237	0.00
0	12	4	1	o	109.610	106.140	172.38	1.12291	0.01
11	9	3	3	o	0.041	0.041	0.00	1.07167	0.00
12	0	4	3	o	0.019	0.019	0.00	1.07084	0.00
7	3	5	2	o	74.975	74.975	0.00	1.13461	0.01
12	10	0	2	o	0.002	0.002	0.00	1.13534	0.00
14	6	2	3	o	0.001	0.001	0.00	1.07013	0.00
8	8	4	2	o	20.050	20.050	0.00	1.13392	0.00
9	1	5	3	o	0.001	0.001	0.00	1.07008	0.00
16	0	0	3	o	0.001	0.001	0.00	1.06890	0.00
15	1	1	2	o	0.699	0.699	0.00	1.13332	0.00
13	1	3	2	o	0.473	0.473	0.00	1.13298	0.00
4	16	0	1	o	16175.765	15577.467	0.00	1.11953	0.78
2	16	2	3	o	0.001	0.001	0.00	1.06725	0.00
11	11	1	2	o	0.001	0.001	0.00	1.12924	0.00
2	2	6	3	o	0.001	0.001	0.00	1.06591	0.00
10	6	4	1	o	1231.793	1319.304	-128.09	1.11375	0.13
12	2	4	3	o	0.001	0.001	0.00	1.06353	0.00
2	12	4	1	o	592.817	635.064	126.99	1.11375	0.06
5	7	5	1	o	2521.840	2915.360	-97.09	1.11209	0.28
16	2	0	3	o	0.001	0.001	0.00	1.06164	0.00
6	10	4	2	o	0.967	0.967	0.00	1.12500	0.00
12	10	2	3	o	0.001	0.001	0.00	1.06132	0.00
8	14	0	2	o	0.001	0.001	0.00	1.12436	0.00
6	14	2	2	o	0.001	0.001	0.00	1.12420	0.00
9	13	1	2	o	86.520	86.520	0.00	1.12380	0.01
5	13	3	2	o	126.115	126.115	0.00	1.12346	0.01
7	13	3	3	o	0.001	0.001	0.00	1.06058	0.00
13	9	1	1	o	1544.443	2188.276	-21.82	1.10917	0.15
6	16	0	3	o	0.001	0.001	0.00	1.05856	0.00
14	4	2	2	o	6278.585	6278.585	0.00	1.12073	0.66
1	15	3	3	o	0.001	0.001	0.00	1.05809	0.00
7	5	5	1	o	5360.019	8219.175	-3.20	1.10613	0.58
1	17	1	3	o	0.001	0.001	0.00	1.05664	0.00

0	12	4	2	o	377.427	377.427	0.00	1.11850	0.02
9	3	5	3	o	0.001	0.001	0.00	1.05565	0.00
8	10	4	3	o	0.001	0.001	0.00	1.05463	0.00
15	3	1	2	o	0.158	0.158	0.00	1.11656	0.00
13	3	3	2	o	0.095	0.095	0.00	1.11623	0.00
1	9	5	1	o	9209.825	14147.052	-133.11	1.10221	0.99
8	14	2	3	o	0.012	0.012	0.00	1.05247	0.00
4	16	0	2	o	0.001	0.001	0.00	1.11303	0.00
9	11	3	1	o	3114.026	5569.753	-124.33	1.09902	0.30
14	8	0	1	o	3089.538	5595.745	0.00	1.09869	0.14
7	7	5	3	o	1.243	1.243	0.00	1.04935	0.00
2	12	4	2	o	0.001	0.001	0.00	1.10927	0.00
5	7	5	2	o	0.001	0.001	0.00	1.10815	0.00
15	5	1	1	o	4372.346	9202.622	-78.07	1.09552	0.41
10	6	4	2	o	0.001	0.001	0.00	1.10726	0.00
10	8	4	3	o	0.001	0.001	0.00	1.04600	0.00
13	5	3	1	o	9638.703	21125.631	-78.44	1.09327	0.93
2	4	6	3	o	198.176	198.176	0.00	1.04473	0.02
16	0	0	1	o	7523.431	16509.445	180.00	1.09200	0.17
16	2	0	1	o	295.746	367.464	-180.00	1.08449	0.01
7	15	1	1	o	729.856	1611.501	29.51	1.09171	0.07
14	6	2	1	o	46.527	102.301	24.25	1.09088	0.00
4	16	2	3	o	0.001	0.001	0.00	1.04315	0.00
10	12	2	1	o	817.968	1798.345	69.90	1.09087	0.08
12	4	4	3	o	873.576	873.576	0.00	1.04248	0.08
3	15	3	3	o	413.600	413.600	0.00	1.04226	0.04
11	9	3	1	o	1396.147	2975.565	-29.92	1.08949	0.13
7	5	5	2	o	0.001	0.001	0.00	1.10170	0.00
4	2	6	3	o	694.343	694.343	0.00	1.04191	0.07
16	4	0	3	o	524.051	524.051	0.00	1.04070	0.02
5	9	5	3	o	283.032	283.032	0.00	1.04129	0.03
3	17	1	3	o	244.972	244.972	0.00	1.04087	0.02
12	0	4	1	o	5890.365	10960.724	-90.73	1.08755	0.29
12	12	0	3	o	356.685	356.685	0.00	1.03971	0.02
4	12	4	1	o	389.425	724.161	23.99	1.08755	0.04
13	9	1	2	o	0.001	0.001	0.00	1.09970	0.00
1	9	5	2	o	0.001	0.001	0.00	1.09875	0.00
3	9	5	1	o	3427.858	4459.340	168.97	1.08507	0.36
10	14	0	3	o	1364.352	1364.352	0.00	1.03644	0.06
9	1	5	1	o	1660.290	1909.392	115.31	1.08322	0.17
0	2	6	1	o	15677.218	17881.754	-104.72	1.08300	0.86
2	16	2	1	o	134.724	156.771	9.22	1.08339	0.01
6	16	0	1	o	119.990	115.948	180.00	1.07622	0.01
2	0	6	1	o	11478.831	12786.107	148.67	1.08207	0.63
12	10	2	1	o	4120.333	4447.414	-128.45	1.08063	0.38
6	12	4	3	o	0.001	0.001	0.00	1.03385	0.00
12	2	4	1	o	635.229	682.162	-42.75	1.08014	0.06
9	11	3	2	o	0.001	0.001	0.00	1.09228	0.00
13	7	3	3	o	242.716	242.716	0.00	1.03216	0.02
15	7	1	3	o	120.145	120.145	0.00	1.03129	0.01
4	4	6	3	o	0.001	0.001	0.00	1.02209	0.00
7	13	3	1	o	7163.741	6917.303	159.71	1.07654	0.67
14	8	0	2	o	0.001	0.001	0.00	1.08873	0.00
1	11	5	3	o	356.061	356.061	0.00	1.02040	0.03

11	13	1	3	o	116.981	116.981	0.00	1.02852	0.01
2	2	6	1	o	2774.490	2708.027	-69.01	1.07477	0.30
9	5	5	3	o	144.781	144.781	0.00	1.02846	0.01
0	6	6	3	o	936.597	936.597	0.00	1.01922	0.04
13	11	1	3	o	507.449	507.449	0.00	1.01789	0.05
1	17	1	1	o	14516.154	14793.557	-80.80	1.07324	1.30
1	15	3	1	o	3118.074	3168.076	89.02	1.07292	0.29
15	5	1	2	o	0.001	0.001	0.00	1.08515	0.00
13	5	3	2	o	0.001	0.001	0.00	1.08485	0.00
7	15	1	2	o	0.001	0.001	0.00	1.08483	0.00
10	12	2	2	o	0.001	0.001	0.00	1.08331	0.00
4	12	4	2	o	0.001	0.001	0.00	1.08286	0.00
14	10	0	3	o	1504.295	1504.295	0.00	1.01502	0.07
11	9	3	2	o	0.004	0.004	0.00	1.08204	0.00
3	9	5	2	o	0.014	0.014	0.00	1.08144	0.00
8	14	2	1	o	5225.408	4803.292	6.63	1.06977	0.47
16	4	0	1	o	2314.667	3604.036	0.00	1.06287	0.10
8	10	4	1	o	364.426	336.541	-2.32	1.06929	0.03
0	2	6	2	o	0.398	0.398	0.00	1.08064	0.00
14	6	2	2	o	0.001	0.001	0.00	1.08145	0.00
9	3	5	1	o	1815.893	1687.160	-29.57	1.06871	0.18
16	0	0	2	o	2.831	2.831	0.00	1.08098	0.00
12	0	4	2	o	7.658	7.658	0.00	1.08038	0.00
2	0	6	2	o	23.987	23.987	0.00	1.07963	0.00
14	8	2	3	o	721.993	721.993	0.00	1.02202	0.07
5	15	3	3	o	1515.190	1515.190	0.00	1.01260	0.13
9	15	1	3	o	1264.395	1264.395	0.00	1.01179	0.11
9	1	5	2	o	1233.757	1233.757	0.00	1.07819	0.12
2	6	6	3	o	0.002	0.002	0.00	1.01206	0.00
5	17	1	3	o	825.760	825.760	0.00	1.01133	0.07
12	12	0	1	o	235.619	416.009	180.00	1.05939	0.01
6	0	6	3	o	1369.635	1369.635	0.00	1.01143	0.06
2	16	2	2	o	9279.832	9279.832	0.00	1.07774	0.90
12	6	4	3	o	0.002	0.002	0.00	1.01002	0.00
16	2	2	3	o	329.824	329.824	0.00	1.00902	0.03
16	6	0	3	o	0.002	0.002	0.00	1.00839	0.00
2	14	4	3	o	216.741	216.741	0.00	1.00889	0.02
7	7	5	1	o	1091.226	1932.288	-16.11	1.06167	0.11
15	1	3	3	o	118.697	118.697	0.00	1.00714	0.01
10	8	4	1	o	4500.546	8128.302	59.98	1.06137	0.42
16	2	0	2	o	0.002	0.002	0.00	1.07362	0.00
10	14	0	1	o	3.378	4.070	180.00	1.05508	0.00
12	2	4	2	o	0.002	0.002	0.00	1.07303	0.00
2	2	6	2	o	0.002	0.002	0.00	1.07230	0.00
6	16	2	3	o	318.407	318.407	0.00	1.00638	0.03
2	18	0	3	o	320.024	320.024	0.00	1.00638	0.01
12	10	2	2	o	37.300	37.300	0.00	1.07233	0.00
8	16	0	3	o	336.942	336.942	0.00	1.00598	0.01
3	11	5	3	o	165.311	165.311	0.00	1.00617	0.01
4	16	2	1	o	1439.150	2545.075	15.14	1.05923	0.13
12	4	4	1	o	114.927	198.615	101.65	1.05877	0.01
6	2	6	3	o	0.002	0.002	0.00	1.00526	0.00
15	7	1	1	o	1272.392	1346.958	-96.24	1.05228	0.11
7	13	3	2	o	0.123	0.123	0.00	1.07057	0.00

11	11	3	3	o	140.032	140.032	0.00	1.00457	0.01
6	16	0	2	o	0.001	0.001	0.00	1.06961	0.00
3	17	1	1	o	2998.862	4595.453	64.45	1.05740	0.26
3	15	3	1	o	6491.133	9758.433	44.32	1.05709	0.59
1	15	3	2	o	0.001	0.001	0.00	1.06787	0.00
1	17	1	2	o	0.001	0.001	0.00	1.06741	0.00
9	13	3	3	o	211.410	211.410	0.00	1.00079	0.02
2	4	6	1	o	7663.462	8520.282	-101.71	1.05371	0.79
11	13	1	1	o	7315.123	7869.345	28.03	1.04723	0.62
5	9	5	1	o	5904.753	6440.922	-145.91	1.05307	0.57
9	3	5	2	o	0.001	0.001	0.00	1.06373	0.00
8	10	4	2	o	0.001	0.001	0.00	1.06375	0.00
4	2	6	1	o	849.647	857.033	108.81	1.05117	0.09
8	14	2	2	o	0.001	0.001	0.00	1.06307	0.00
7	9	5	3	o	160.135	160.135	0.00	0.99785	0.01
13	7	3	1	o	5228.007	5184.170	-26.93	1.05029	0.47
15	3	3	3	o	290.528	290.528	0.00	0.99508	0.03
11	1	5	3	o	309.334	309.334	0.00	0.99501	0.03
6	12	4	1	o	16464.623	17607.650	-112.00	1.04771	1.51
7	7	5	2	o	0.001	0.001	0.00	1.05729	0.00
17	1	1	3	o	64.952	64.952	0.00	0.99268	0.01
10	8	4	2	o	0.001	0.001	0.00	1.05522	0.00
16	4	2	3	o	0.001	0.001	0.00	0.99099	0.00
13	11	1	1	o	2301.928	2362.438	58.25	1.03734	0.19
9	7	5	3	o	0.104	0.104	0.00	0.99134	0.00
4	6	6	3	o	0.145	0.145	0.00	0.99144	0.00
12	12	2	3	o	0.001	0.001	0.00	0.99014	0.00
4	16	2	2	o	0.001	0.001	0.00	1.05348	0.00
14	8	2	1	o	3660.562	3611.287	2.19	1.04152	0.31
9	5	5	1	o	1671.049	1660.393	-175.13	1.04137	0.16
14	10	0	1	o	5.968	5.786	0.00	1.03515	0.00
10	10	4	3	o	0.001	0.001	0.00	0.98910	0.00
16	4	0	2	o	0.217	0.217	0.00	1.05240	0.00
12	4	4	2	o	0.480	0.480	0.00	1.05185	0.00
3	15	3	2	o	0.291	0.291	0.00	1.05195	0.00
2	4	6	2	o	1.158	1.158	0.00	1.05116	0.00
4	14	4	3	o	0.001	0.001	0.00	0.98846	0.00
3	17	1	2	o	1.440	1.440	0.00	1.05151	0.00
12	12	0	2	o	8.532	8.532	0.00	1.05097	0.00
10	14	2	3	o	0.001	0.001	0.00	0.98732	0.00
6	4	6	3	o	0.001	0.001	0.00	0.98743	0.00
5	9	5	2	o	23.702	23.702	0.00	1.04912	0.00
4	18	0	3	o	0.001	0.001	0.00	0.98610	0.00
4	2	6	2	o	69.238	69.238	0.00	1.04839	0.01
8	12	4	3	o	0.001	0.001	0.00	0.98470	0.00
10	14	0	2	o	186.958	186.958	0.00	1.04750	0.01
16	6	0	1	o	223.949	235.981	-180.00	1.02954	0.01
9	15	1	1	o	12511.534	13090.164	-23.99	1.02930	1.03
11	3	5	3	o	0.001	0.001	0.00	0.98337	0.00
13	9	3	3	o	0.001	0.001	0.00	0.98303	0.00
15	9	1	3	o	0.001	0.001	0.00	0.98228	0.00
5	17	1	1	o	1728.952	1692.622	-19.65	1.02772	0.14
17	3	1	3	o	0.001	0.001	0.00	0.98113	0.00
1	11	5	1	o	1485.957	1533.951	-53.65	1.03164	0.14

4 4 6 1 o 1344.383 1407.881 126.40 1.03145 0.13  
 6 12 4 2 o 0.003 0.003 0.00 1.04276 0.00  
 15 7 1 2 o 2548.771 2548.771 0.00 1.04264 0.23  
 13 7 3 2 o 2562.242 2562.242 0.00 1.04237 0.23  
 5 11 5 3 o 0.001 0.001 0.00 0.97942 0.00  
 16 2 2 1 o 2565.065 2695.163 27.68 1.02940 0.21  
 8 16 0 1 o 1.545 1.561 0.00 1.02324 0.00  
 0 6 6 1 o 4492.836 4500.688 -115.18 1.02826 0.22  
 2 18 0 1 o 4522.922 4609.521 -180.00 1.02246 0.18  
 6 16 2 1 o 9179.745 9378.172 -115.88 1.02232 0.76  
 11 13 1 2 o 2319.619 2319.619 0.00 1.03945 0.21  
 5 15 3 1 o 300.641 289.926 92.26 1.02743 0.03  
 15 1 3 1 o 186.838 179.336 -74.91 1.02587 0.02  
 12 6 4 1 o 7196.396 6910.226 64.52 1.02582 0.63  
 9 5 5 2 o 3775.810 3775.810 0.00 1.03646 0.34  
 15 5 3 3 o 11.004 11.004 0.00 0.97221 0.00  
 7 15 3 3 o 9.985 9.985 0.00 0.97252 0.00  
 2 14 4 1 o 7106.067 7294.822 -99.12 1.02190 0.62  
 14 8 2 2 o 1761.842 1761.842 0.00 1.03281 0.16  
 6 0 6 1 o 339.491 349.620 138.17 1.02122 0.02  
 7 17 1 3 o 1.239 1.239 0.00 0.97139 0.00  
 2 6 6 1 o 3522.721 3627.822 -47.76 1.02121 0.34  
 11 11 3 1 o 1630.664 1674.423 -73.58 1.02118 0.14  
 2 8 6 3 o 0.301 0.301 0.00 0.97107 0.00  
 14 2 4 3 o 0.142 0.142 0.00 0.97043 0.00  
 17 1 1 1 o 1693.149 1690.373 6.46 1.01379 0.14  
 12 8 4 3 o 0.001 0.001 0.00 0.96927 0.00  
 14 10 2 3 o 0.001 0.001 0.00 0.96875 0.00  
 4 4 6 2 o 0.001 0.001 0.00 1.02861 0.00  
 16 8 0 3 o 0.001 0.001 0.00 0.96784 0.00  
 13 11 1 2 o 333.405 333.405 0.00 1.02887 0.03  
 3 11 5 1 o 7710.727 7570.678 -153.66 1.01754 0.70  
 1 11 5 2 o 390.234 390.234 0.00 1.02810 0.03  
 16 4 2 1 o 7014.217 6843.363 35.24 1.01086 0.57  
 0 18 2 3 o 0.001 0.001 0.00 0.96736 0.00  
 9 13 3 1 o 404.724 405.042 -52.07 1.01656 0.03  
 0 6 6 2 o 2563.562 2563.562 0.00 1.02568 0.11  
 6 2 6 1 o 2546.843 2567.446 -103.00 1.01507 0.24  
 14 10 0 2 o 2881.713 2881.713 0.00 1.02618 0.13  
 15 3 3 1 o 1391.860 1382.968 146.47 1.01352 0.12  
 12 12 2 1 o 12956.019 13896.597 -137.43 1.00786 1.04  
 16 6 2 3 o 0.001 0.001 0.00 0.96298 0.00  
 9 15 1 2 o 1217.240 1217.240 0.00 1.02239 0.11  
 5 15 3 2 o 1183.412 1183.412 0.00 1.02213 0.10  
 12 14 0 3 o 0.001 0.001 0.00 0.96165 0.00  
 5 17 1 2 o 1073.052 1073.052 0.00 1.02173 0.09  
 11 5 5 3 o 0.001 0.001 0.00 0.96128 0.00  
 7 9 5 1 o 6240.458 6369.566 -61.59 1.00996 0.56  
 2 18 2 3 o 0.001 0.001 0.00 0.96122 0.00  
 10 14 2 1 o 5309.532 5156.817 -137.35 1.00415 0.42  
 8 16 2 3 o 0.001 0.001 0.00 0.96088 0.00  
 16 2 2 2 o 1959.625 1959.625 0.00 1.01988 0.17  
 16 6 0 2 o 0.001 0.001 0.00 1.01968 0.00  
 11 1 5 1 o 5444.485 5926.522 -158.26 1.00847 0.48



12	6	4	2	o	0.001	0.001	0.00	1.01917	0.00
2	6	6	2	o	0.001	0.001	0.00	1.01854	0.00
8	2	6	3	o	0.001	0.001	0.00	0.95991	0.00
17	5	1	3	o	0.001	0.001	0.00	0.95918	0.00
1	17	3	3	o	0.001	0.001	0.00	0.95979	0.00
6	6	6	3	o	0.001	0.001	0.00	0.95971	0.00
6	0	6	2	o	2355.547	2355.547	0.00	1.01803	0.10
17	3	1	1	o	1262.736	1251.228	92.42	1.00187	0.10
15	9	1	1	o	3449.228	3417.617	52.37	1.00187	0.27
4	18	0	1	o	225.576	224.371	180.00	1.00207	0.01
2	14	4	2	o	3015.640	3015.640	0.00	1.01755	0.26
15	1	3	2	o	1689.668	1689.668	0.00	1.01732	0.15
2	18	0	2	o	4393.224	4393.224	0.00	1.01676	0.19
8	16	0	2	o	4693.579	4693.579	0.00	1.01657	0.20
6	16	2	2	o	4786.165	4786.165	0.00	1.01644	0.42
6	14	4	3	o	0.001	0.001	0.00	0.95701	0.00
9	7	5	1	o	11907.491	11596.290	-96.09	1.00402	1.05
10	10	4	1	o	7519.576	7396.408	-94.13	1.00376	0.63
11	11	3	2	o	4222.327	4222.327	0.00	1.01436	0.37
3	11	5	2	o	4426.329	4426.329	0.00	1.01387	0.38
6	18	0	3	o	0.001	0.001	0.00	0.95486	0.00
14	4	4	3	o	0.001	0.001	0.00	0.95436	0.00
6	2	6	2	o	0.004	0.004	0.00	1.01187	0.00
4	14	4	1	o	1348.100	1326.503	158.62	1.00155	0.11
4	6	6	1	o	1230.817	1191.126	-144.45	1.00090	0.11
14	12	0	3	o	0.001	0.001	0.00	0.95223	0.00
4	8	6	3	o	0.001	0.001	0.00	0.95282	0.00
13	9	3	1	o	903.594	865.469	10.30	1.00014	0.07
9	13	3	2	o	1020.978	1020.978	0.00	1.01042	0.09
1	13	5	3	o	0.001	0.001	0.00	0.95144	0.00
8	12	4	1	o	2530.177	2475.657	-87.10	0.99864	0.21
6	4	6	1	o	79.209	82.811	-155.54	0.99728	0.01
13	13	1	3	o	0.001	0.001	0.00	0.94941	0.00
11	3	5	1	o	7540.893	8016.686	166.55	0.99673	0.65
10	16	0	3	o	0.001	0.001	0.00	0.94863	0.00
15	5	3	1	o	8963.394	9604.258	179.82	0.99010	0.71
1	19	1	3	o	0.001	0.001	0.00	0.94829	0.00
7	9	5	2	o	239.624	239.624	0.00	1.00566	0.02
3	17	3	3	o	0.001	0.001	0.00	0.94792	0.00
11	15	1	3	o	0.001	0.001	0.00	0.94762	0.00
9	9	5	3	o	0.001	0.001	0.00	0.94757	0.00
15	3	3	2	o	255.258	255.258	0.00	1.00514	0.02
16	8	0	1	o	6085.336	7295.657	0.00	0.98775	0.23
17	1	1	2	o	331.413	331.413	0.00	1.00377	0.03
11	1	5	2	o	341.406	341.406	0.00	1.00305	0.03
7	17	1	1	o	2098.497	2494.832	98.95	0.98753	0.16
4	6	6	2	o	4109.683	4109.683	0.00	0.99799	0.35
7	15	3	1	o	3293.547	3870.007	10.55	0.98728	0.26
18	2	0	3	o	0.001	0.001	0.00	0.94502	0.00
14	10	2	1	o	1871.514	2127.376	-143.67	0.98692	0.14
10	10	4	2	o	5092.043	5092.043	0.00	0.99797	0.43
10	14	2	2	o	0.005	0.005	0.00	0.99741	0.00
4	14	4	2	o	0.005	0.005	0.00	0.99706	0.00
16	4	2	2	o	0.002	0.002	0.00	1.00164	0.00

5	11	5	1	o	1398.092	1341.481	-68.52	0.99101	0.12
8	4	6	3	o	0.001	0.001	0.00	0.94434	0.00
4	18	0	2	o	0.006	0.006	0.00	0.99631	0.00
4	18	2	3	o	0.003	0.003	0.00	0.94351	0.00
12	12	2	2	o	0.002	0.002	0.00	1.00041	0.00
7	11	5	3	o	0.002	0.002	0.00	0.94301	0.00
9	7	5	2	o	1278.488	1278.488	0.00	0.99923	0.11
6	4	6	2	o	3297.127	3297.127	0.00	0.99405	0.28
8	12	4	2	o	451.834	451.834	0.00	0.99343	0.04
16	6	2	1	o	4570.063	5697.204	-5.11	0.98206	0.35
15	7	3	3	o	0.002	0.002	0.00	0.94067	0.00
0	18	2	1	o	310.878	387.950	-54.87	0.98205	0.01
15	9	1	2	o	31.225	31.225	0.00	0.99302	0.00
13	9	3	2	o	23.656	23.656	0.00	0.99279	0.00
14	2	4	1	o	3383.064	3716.094	-128.92	0.98655	0.28
17	3	1	2	o	0.938	0.938	0.00	0.99206	0.00
11	3	5	2	o	0.327	0.327	0.00	0.99137	0.00
3	13	5	3	o	0.003	0.003	0.00	0.93988	0.00
11	13	3	3	o	0.020	0.020	0.00	0.93857	0.00
17	5	1	1	o	2529.439	3360.297	-163.42	0.97923	0.19
12	14	0	1	o	8.713	11.768	-180.00	0.97943	0.00
12	8	4	1	o	412.683	394.546	106.50	0.98445	0.03
3	19	1	3	o	3.661	3.661	0.00	0.93684	0.00
8	16	2	1	o	288.648	284.919	-163.91	0.97658	0.02
5	11	5	2	o	0.001	0.001	0.00	0.98709	0.00
2	18	2	1	o	2897.331	2884.325	24.11	0.97590	0.22
2	8	6	1	o	1284.999	1881.177	-103.25	0.98038	0.11
1	17	3	1	o	540.895	489.582	158.21	0.97356	0.04
9	17	1	3	o	69.727	69.727	0.00	0.92483	0.01
0	16	4	3	o	1047.490	1047.490	0.00	0.93287	0.04
2	10	6	3	o	0.001	0.001	0.00	0.92503	0.00
1	1	7	3	o	174.323	174.323	0.00	0.92473	0.01
6	8	6	3	o	390.327	390.327	0.00	0.92455	0.03
12	10	4	3	o	0.002	0.002	0.00	0.92348	0.00
15	5	3	2	o	0.001	0.001	0.00	0.98205	0.00
7	15	3	2	o	0.001	0.001	0.00	0.98181	0.00
13	1	5	3	o	1599.954	1599.954	0.00	0.92286	0.12
11	7	5	3	o	69.410	69.410	0.00	0.93076	0.01
10	12	4	3	o	0.001	0.001	0.00	0.93073	0.00
18	4	0	3	o	0.001	0.001	0.00	0.93016	0.00
14	12	0	1	o	1648.081	1532.947	0.00	0.97066	0.06
13	11	3	3	o	61.580	61.580	0.00	0.93047	0.00
16	10	0	3	o	0.004	0.004	0.00	0.92223	0.00
6	18	0	1	o	7036.105	6546.303	0.00	0.97065	0.26
7	17	1	2	o	0.001	0.001	0.00	0.98146	0.00
14	4	4	1	o	122.544	116.337	-156.64	0.97019	0.01
6	14	4	1	o	813.694	772.677	15.45	0.97018	0.06
0	10	6	3	o	74.807	74.807	0.00	0.93049	0.00
15	11	1	3	o	35.328	35.328	0.00	0.92983	0.00
12	14	2	3	o	3255.321	3255.321	0.00	0.92203	0.24
14	6	4	3	o	34.418	34.418	0.00	0.92926	0.00
11	5	5	1	o	160.189	160.934	-56.81	0.97443	0.01
17	7	1	3	o	14.310	14.310	0.00	0.92886	0.00
14	2	4	2	o	0.001	0.001	0.00	0.97948	0.00

14	10	2	2	o	0.001	0.001	0.00	0.97895	0.00
16	8	0	2	o	0.001	0.001	0.00	0.97860	0.00
16	8	2	3	o	0.001	0.001	0.00	0.92747	0.00
12	8	4	2	o	0.001	0.001	0.00	0.97815	0.00
8	6	6	3	o	70.306	70.306	0.00	0.92001	0.01
2	8	6	2	o	0.001	0.001	0.00	0.97760	0.00
13	13	1	1	o	2927.990	3293.918	-12.82	0.96715	0.21
2	16	4	3	o	0.001	0.001	0.00	0.92737	0.00
0	18	2	2	o	0.091	0.091	0.00	0.97694	0.00
18	2	0	1	o	2817.963	3714.086	0.00	0.96538	0.10
9	15	3	3	o	13.098	13.098	0.00	0.92580	0.00
10	16	0	1	o	1601.455	2112.720	-180.00	0.96537	0.06
8	2	6	1	o	5162.376	4873.672	-79.52	0.97026	0.44
5	13	5	3	o	0.919	0.919	0.00	0.91796	0.00
8	14	4	3	o	0.001	0.001	0.00	0.91763	0.00
5	17	3	3	o	26.402	26.402	0.00	0.92545	0.00
6	6	6	1	o	1209.432	1181.715	125.67	0.96959	0.10
11	15	1	1	o	856.615	1223.778	171.41	0.96453	0.06
1	19	1	1	o	1613.854	2297.079	-48.90	0.96322	0.12
16	6	2	2	o	2158.635	2158.635	0.00	0.97330	0.17
3	17	3	1	o	661.964	896.087	-91.60	0.96169	0.05
12	14	0	2	o	0.002	0.002	0.00	0.97200	0.00
2	18	2	2	o	0.001	0.001	0.00	0.97076	0.00
8	16	2	2	o	0.001	0.001	0.00	0.97060	0.00
17	5	1	2	o	0.005	0.005	0.00	0.96984	0.00
11	5	5	2	o	0.001	0.001	0.00	0.96919	0.00
1	17	3	2	o	0.001	0.001	0.00	0.96884	0.00
15	7	3	1	o	653.722	856.751	71.69	0.95784	0.05
4	18	2	1	o	6107.093	7911.979	-123.32	0.95813	0.45
1	13	5	1	o	4302.739	6008.343	-101.97	0.96253	0.35
4	8	6	1	o	101.693	141.425	29.74	0.96237	0.01
8	2	6	2	o	0.001	0.001	0.00	0.96661	0.00
6	6	6	2	o	0.001	0.001	0.00	0.96633	0.00
6	14	4	2	o	0.001	0.001	0.00	0.96549	0.00
9	9	5	1	o	140.285	175.484	-163.44	0.95994	0.01
6	18	0	2	o	0.001	0.001	0.00	0.96481	0.00
11	13	3	1	o	40.862	65.039	9.17	0.95402	0.00
14	4	4	2	o	0.001	0.001	0.00	0.96329	0.00
14	12	0	2	o	0.001	0.001	0.00	0.96262	0.00
3	19	1	1	o	233.057	299.637	-44.12	0.95172	0.02
18	4	0	1	o	884.702	1037.045	-180.00	0.95004	0.03
7	11	5	1	o	1705.966	2608.528	49.95	0.95483	0.14
8	4	6	1	o	3637.128	5639.901	145.23	0.95468	0.30
4	8	6	2	o	0.001	0.001	0.00	0.95938	0.00
13	13	1	2	o	0.001	0.001	0.00	0.95959	0.00
1	13	5	2	o	0.001	0.001	0.00	0.95896	0.00
10	16	0	2	o	0.001	0.001	0.00	0.95870	0.00
17	7	1	1	o	3385.663	3757.552	-35.85	0.94798	0.24
15	11	1	1	o	1706.065	1893.326	7.42	0.94798	0.12
1	19	1	2	o	0.001	0.001	0.00	0.95797	0.00
11	15	1	2	o	0.001	0.001	0.00	0.95765	0.00
13	11	3	1	o	1771.032	1837.624	-63.25	0.94652	0.13
3	17	3	2	o	0.001	0.001	0.00	0.95690	0.00
3	13	5	1	o	3810.874	4563.939	10.03	0.95105	0.30

16	8	2	1	o	3300.500	3495.265	-1.42	0.94558	0.24
9	9	5	2	o	0.001	0.001	0.00	0.95531	0.00
18	2	0	2	o	0.001	0.001	0.00	0.95569	0.00
0	16	4	1	o	2423.866	2596.409	-88.62	0.94525	0.09
14	6	4	1	o	280.035	307.167	-29.12	0.94464	0.02
10	12	4	1	o	2530.002	2775.461	-74.28	0.94464	0.19
11	7	5	1	o	8065.102	8919.244	-91.58	0.94363	0.62
4	18	2	2	o	0.001	0.001	0.00	0.95292	0.00
8	4	6	2	o	0.001	0.001	0.00	0.95104	0.00
16	10	0	1	o	24.547	27.657	180.00	0.94081	0.00
7	11	5	2	o	0.001	0.001	0.00	0.95064	0.00
9	17	1	1	o	11295.142	12806.521	-114.50	0.94062	0.79
9	15	3	1	o	3494.256	3995.125	119.84	0.94041	0.25
15	7	3	2	o	0.001	0.001	0.00	0.95020	0.00
2	16	4	1	o	63.936	74.880	-157.13	0.93976	0.00
5	17	3	1	o	807.195	954.103	3.27	0.93920	0.06
12	14	2	1	o	3150.881	3647.278	5.60	0.93828	0.22
12	10	4	1	o	7763.646	8863.273	86.09	0.93796	0.57
11	13	3	2	o	0.001	0.001	0.00	0.94779	0.00
3	13	5	2	o	0.001	0.001	0.00	0.94739	0.00
13	1	5	1	o	407.992	418.701	-104.59	0.93637	0.03
3	19	1	2	o	0.001	0.001	0.00	0.94643	0.00
0	10	6	1	o	18809.867	22043.691	121.27	0.93983	0.76
0	16	4	2	o	0.008	0.008	0.00	0.94110	0.00
8	18	0	1	o	299.060	300.368	-180.00	0.93125	0.01
8	14	4	1	o	3693.592	3731.738	-127.82	0.93083	0.27
18	0	2	1	o	13852.973	13983.319	-104.73	0.93056	0.48
14	12	2	1	o	4963.428	5010.018	-106.05	0.93056	0.34
18	4	0	2	o	0.001	0.001	0.00	0.94063	0.00
6	18	2	1	o	1661.948	1677.290	93.18	0.93056	0.11
15	11	1	2	o	0.016	0.016	0.00	0.93994	0.00
13	11	3	2	o	0.018	0.018	0.00	0.93975	0.00
6	8	6	1	o	288.598	285.431	-110.10	0.93444	0.02
5	19	1	1	o	648.856	648.728	135.18	0.92990	0.04
2	10	6	1	o	643.212	636.108	-54.43	0.93444	0.05
10	12	4	2	o	0.001	0.001	0.00	0.93922	0.00
5	13	5	1	o	4864.968	4774.715	134.19	0.92928	0.36
17	7	1	2	o	0.076	0.076	0.00	0.93913	0.00
11	7	5	2	o	0.131	0.131	0.00	0.93854	0.00
17	1	3	1	o	1879.840	1846.742	29.06	0.92853	0.13
14	6	4	2	o	1.568	1.568	0.00	0.93800	0.00
0	10	6	2	o	12.448	12.448	0.00	0.93701	0.00
1	1	7	1	o	2400.363	2350.839	-34.83	0.93217	0.20
16	8	2	2	o	0.001	0.001	0.00	0.93738	0.00
13	3	5	1	o	2837.238	2998.454	130.21	0.92695	0.21
0	20	0	1	o	18.650	20.043	0.00	0.92658	0.00
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18	2	2	1	o	7040.407	7801.649	48.29	0.92591	0.48
2	16	4	2	o	0.001	0.001	0.00	0.93558	0.00
10	16	2	1	o	3675.295	4073.484	-1.43	0.92590	0.25
8	6	6	1	o	2065.792	2083.300	-126.12	0.93031	0.16
10	0	6	1	o	29520.883	33166.152	-85.30	0.92508	1.15
9	15	3	2	o	3163.919	3163.919	0.00	0.93480	0.24
9	17	1	2	o	4932.080	4932.080	0.00	0.93449	0.37

5	17	3	2	o	5359.097	5359.097	0.00	0.93430	0.40
4	16	4	1	o	700.966	703.349	55.84	0.92386	0.05
16	10	0	2	o	0.006	0.006	0.00	0.93242	0.00
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2	10	6	2	o	0.004	0.004	0.00	0.93155	0.00
6	8	6	2	o	2609.958	2609.958	0.00	0.93116	0.19
12	14	2	2	o	2221.350	2221.350	0.00	0.93158	0.16
13	1	5	2	o	497.775	497.775	0.00	0.93073	0.04
2	20	0	1	o	748.938	710.325	0.00	0.92141	0.03
1	1	7	2	o	355.747	355.747	0.00	0.93015	0.03
10	2	6	1	o	2202.710	2198.400	-44.25	0.92050	0.17
17	3	3	1	o	3162.560	3356.866	-85.22	0.91935	0.22
15	9	3	1	o	441.455	468.616	84.30	0.91935	0.03
4	10	6	1	o	2663.883	2889.615	178.31	0.91880	0.20
1	3	7	1	o	829.142	753.786	23.79	0.92288	0.07
8	6	6	2	o	39.485	39.485	0.00	0.92668	0.00
3	1	7	1	o	7468.784	6886.570	168.64	0.92174	0.61
8	14	4	2	o	0.001	0.001	0.00	0.92594	0.00
5	13	5	2	o	101.255	101.255	0.00	0.92543	0.01
8	18	0	2	o	0.001	0.001	0.00	0.92534	0.00
6	18	2	2	o	0.001	0.001	0.00	0.92525	0.00
5	19	1	2	o	667.767	667.767	0.00	0.92454	0.05
14	12	2	2	o	4274.731	4274.731	0.00	0.92331	0.31
18	0	2	2	o	3436.831	3436.831	0.00	0.92177	0.13
13	3	5	2	o	1635.032	1635.032	0.00	0.92138	0.12
1	3	7	2	o	1355.585	1355.585	0.00	0.92082	0.10
10	0	6	2	o	2735.276	2735.276	0.00	0.92103	0.10
0	20	0	2	o	2415.915	2415.915	0.00	0.92148	0.04
17	1	3	2	o	373.489	373.489	0.00	0.92050	0.03
3	1	7	2	o	207.474	207.474	0.00	0.91958	0.02
10	16	2	2	o	193.129	193.129	0.00	0.91985	0.01
4	16	4	2	o	157.799	157.799	0.00	0.91957	0.01
18	2	2	2	o	0.001	0.001	0.00	0.91719	0.00
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