

data_NH4-K-NAT-20-1WEEK_publ

_pd_block_id

2011-04-09T16:13|NH4-K-NAT-20-1WEEK|Yongmoon_Lee|

_audit_creation_method "from EXP file using GSAS2CIF"

_audit_creation_date 2011-04-09T16:13

_audit_author_name "Yongmoon Lee"

_audit_update_record

; 2011-04-09T16:13 Initial CIF as created by GSAS2CIF

;

#=====

this information describes the project, paper etc. for the CIF

Acta Cryst. Section C papers and editorial correspondence is generated

from the information in this section

#

(from) CIF submission form for Rietveld refinements (Acta Cryst. C)

Version 14 December 1998

#=====

1. SUBMISSION DETAILS

_publ_contact_author_name ? # Name of author for correspondence

_publ_contact_author_address # Address of author for correspondence

; ?

;

_publ_contact_author_email ?

_publ_contact_author_fax ?

_publ_contact_author_phone ?

_publ_contact_letter

; ?

;

_publ_requested_journal ?

_publ_requested_coeditor_name ?

_publ_requested_category ? # Acta C: one of CI/CM/CO/FI/FM/FO

#=====

2. PROCESSING SUMMARY (IUCr Office Use Only)

_journal_data_validation_number ?

_journal_date_recd_electronic ?

_journal_date_to_coeditor ?

_journal_date_from_coeditor ?

_journal_date_accepted ?

_journal_date_printers_first ?

_journal_date_printers_final ?

_journal_date_proofs_out ?

_journal_date_proofs_in ?

_journal_coeditor_name ?

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

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

3. TITLE AND AUTHOR LIST

```
_publ_section_title
; ?
;
_publ_section_title_footnote
; ?
;
```

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

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

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

4. TEXT

```
_publ_section_synopsis
; ?
;
_publ_section_abstract
; ?
;
_publ_section_comment
```

```

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

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

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

_refine_special_details
; ?
;
_pd_proc_ls_special_details
; ?
;

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

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

_refine_ls_restrained_S_all     ?
_refine_ls_restrained_S_obs     ?

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

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

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

```

_pd_prep_cool_rate ?
_pd_prep_pressure ?
_pd_prep_temperature ?

_pd_char_colour ? # use ICDD colour descriptions
_refine_ls_shift/su_max 0.72
_refine_ls_shift/su_mean 0.33
_computing_structure_refinement GSAS
_refine_ls_number_parameters 26
_refine_ls_goodness_of_fit_all 2.78
_refine_ls_number_restraints 28
_refine_ls_matrix_type full

#=====

7. CHEMICAL, STRUCTURAL AND CRYSTAL DATA

_pd_char_particle_morphology ?

_chemical_name_systematic
; ?
;
_chemical_name_common ?
_chemical_formula_moiety ?
_chemical_formula_structural ?
_chemical_formula_analytical ?
_chemical_melting_point ?
_chemical_compound_source ? # for minerals and
natural products
_symmetry_space_group_name_Hall ?

_exptl_crystal_F_000 ?
_exptl_crystal_density_diffn ?
_exptl_crystal_density_meas ?
_exptl_crystal_density_method ?

_cell_measurement_temperature ?

_cell_special_details
; ?
;

_geom_special_details ?

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

_computing_structure_solution ?

#=====

8. Phase information from GSAS

_pd_phase_name dehy-NH4-K-NAT_20_heat_1week
_cell_length_a 16.9152(6)
_cell_length_b 18.0634(7)
_cell_length_c 6.47034(18)
_cell_angle_alpha 90.0

```

_cell_angle_beta          90.0
_cell_angle_gamma         90.0
_cell_volume              1976.99(16)
_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      -0.0748(9)  1.0      Uiso  0.019(5)   8
Si
Si2  0.1413(4)  0.22182(31)  0.5457(7)  1.0      Uiso  0.019(5)  16
Al
Al   0.03546(34) 0.0976(4)   0.5356(7)  1.0      Uiso  0.019(5)  16
O
O1   0.0254(5)   0.07106(30)  0.7893(8)  1.0      Uiso  0.029(5)  16
O
O2   0.0512(4)   0.1920(4)    0.5371(14) 1.0      Uiso  0.029(5)  16
O
O3   0.1094(5)   0.0518(4)    0.4076(11) 1.0      Uiso  0.029(5)  16
O
O4   0.1950(4)   0.1630(5)    0.6688(12) 1.0      Uiso  0.029(5)  16
O
O5   0.17447(33) 0.2263(4)    0.3123(8)  1.0      Uiso  0.029(5)  16
K
K    0.0555(4)   0.18608(30)  0.0591(11) 0.933(7) Uiso  0.039(4)  16

```

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

_chemical_formula_sum "Al2 K1.87 O10 Si3"
_chemical_formula_weight 371.16
_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 1.6143(18) . 1_554 N
Si1 O1 1.6143(18) . 104_554 N
Si1 O5 1.6134(19) . 102_544 N
Si1 O5 1.6134(19) . 203_454 N
Si1 K 3.596(6) . 1_555 N
Si1 K 3.566(6) . 102_544 N
Si1 K 3.596(6) . 104_555 N
Si1 K 3.566(6) . 203_454 N
Si2 Al 2.872(7) . 1_555 N
Si2 Al 3.018(7) . 2_555 N
Si2 O2 1.6177(26) . 1_555 N
Si2 O3 1.6161(26) . 2_555 N
Si2 O4 1.6099(26) . 1_555 N
Si2 O5 1.6129(26) . 1_555 N
Si2 K 3.526(10) . 1_555 N
Si2 K 3.682(9) . 1_556 N
Si2 K 3.722(8) . 4_555 N
Al Si2 2.872(7) . 1_555 N
Al Si2 3.018(7) . 102_544 N
Al O1 1.7179(26) . 1_555 N
Al O2 1.7258(26) . 1_555 N
Al O3 1.7127(26) . 1_555 N
Al O4 1.7167(26) . 203_454 N
Al K 3.490(8) . 1_555 N
Al K 3.761(10) . 1_556 N
O1 Si1 1.6143(18) . 1_556 N
O1 Al 1.7179(26) . 1_555 N
O1 K 2.761(9) . 1_556 N
O2 Si2 1.6177(26) . 1_555 N
O2 Al 1.7258(26) . 1_555 N
O2 K 3.096(13) . 1_555 N
O2 K 3.380(13) . 1_556 N
O2 K 2.851(7) . 4_555 N
O3 Si2 1.6161(26) . 102_544 N
O3 Al 1.7127(26) . 1_555 N
O3 K 3.435(10) . 1_555 N
O3 K 3.385(10) . 3_555 N
O3 K 3.632(10) . 102_545 N
O4 Si2 1.6099(26) . 1_555 N

O4	Al	1.7167(26)	.	3_555	N
O4	K	3.481(10)	.	1_556	N
O4	K	3.480(10)	.	3_555	N
O5	Si1	1.6134(19)	.	2_555	N
O5	Si2	1.6129(26)	.	1_555	N
O5	K	2.695(10)	.	1_555	N
K	Si1	3.596(6)	.	1_555	N
K	Si1	3.566(6)	.	2_555	N
K	Si2	3.682(9)	.	1_554	N
K	Si2	3.526(10)	.	1_555	N
K	Si2	3.722(8)	.	4_554	N
K	Al	3.761(10)	.	1_554	N
K	Al	3.490(8)	.	1_555	N
K	O1	2.761(9)	.	1_554	N
K	O2	3.380(13)	.	1_554	N
K	O2	3.096(13)	.	1_555	N
K	O2	2.851(7)	.	4_554	N
K	O3	3.435(10)	.	1_555	N
K	O3	3.632(10)	.	2_554	N
K	O3	3.385(10)	.	203_454	N
K	O4	3.481(10)	.	1_554	N
K	O4	3.480(10)	.	203_454	N
K	O5	2.695(10)	.	1_555	N
K	K	5.037(5)	.	3_555	N
K	K	4.396(8)	.	4_554	N
K	K	4.396(8)	.	4_555	N
K	K	5.037(5)	.	203_454	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	114.0(6)	1_554	104_543 N
O1	Si1	O5	107.4(4)	1_554	102_544 N
O1	Si1	O5	107.4(4)	1_554	203_454 N
O1	Si1	K	47.04(29)	1_554	1_555 N
O1	Si1	K	84.09(33)	1_554	102_544 N
O1	Si1	K	160.8(4)	1_554	104_544 N
O1	Si1	K	82.73(32)	1_554	203_454 N
O1	Si1	O5	107.4(4)	104_543	102_544 N
O1	Si1	O5	107.4(4)	104_543	203_454 N
O1	Si1	K	160.8(4)	104_543	1_555 N
O1	Si1	K	82.73(32)	104_543	102_544 N
O1	Si1	K	47.04(29)	104_543	104_544 N
O1	Si1	K	84.09(33)	104_543	203_454 N
O5	Si1	O5	113.3(7)	102_544	203_454 N
O5	Si1	K	84.76(32)	102_544	1_555 N
O5	Si1	K	45.53(30)	102_544	102_544 N
O5	Si1	K	79.99(33)	102_544	104_544 N

O5	Si1	K	158.8(4)	102_544	.	203_454	N
O5	Si1	K	79.99(33)	203_454	.	1_555	N
O5	Si1	K	158.8(4)	203_454	.	102_544	N
O5	Si1	K	84.76(32)	203_454	.	104_544	N
O5	Si1	K	45.53(30)	203_454	.	203_454	N
K	Si1	K	96.46(8)	1_555	.	102_544	N
K	Si1	K	152.11(30)	1_555	.	104_544	N
K	Si1	K	89.37(8)	1_555	.	203_454	N
K	Si1	K	89.37(8)	102_544	.	104_544	N
K	Si1	K	155.69(30)	102_544	.	203_454	N
K	Si1	K	96.46(8)	104_544	.	203_454	N
O2	Si2	O3	107.9(4)	1_555	.	2_555	N
O2	Si2	O4	109.2(4)	1_555	.	1_555	N
O2	Si2	O5	108.2(5)	1_555	.	1_555	N
O2	Si2	K	61.4(4)	1_555	.	1_555	N
O2	Si2	K	66.5(4)	1_555	.	1_556	N
O3	Si2	O4	111.8(6)	2_555	.	1_555	N
O3	Si2	O5	112.1(5)	2_555	.	1_555	N
O3	Si2	K	124.1(4)	2_555	.	1_555	N
O3	Si2	K	75.5(4)	2_555	.	1_556	N
O4	Si2	O5	107.4(5)	1_555	.	1_555	N
O4	Si2	K	123.6(4)	1_555	.	1_555	N
O4	Si2	K	70.1(4)	1_555	.	1_556	N
O5	Si2	K	46.90(27)	1_555	.	1_555	N
O5	Si2	K	172.1(4)	1_555	.	1_556	N
K	Si2	K	127.70(26)	1_555	.	1_556	N
O1	Al	O2	106.6(5)	1_555	.	1_555	N
O1	Al	O3	113.6(5)	1_555	.	1_555	N
O1	Al	O4	107.6(5)	1_555	.	203_454	N
O1	Al	K	168.9(4)	1_555	.	1_555	N
O1	Al	K	42.86(24)	1_555	.	1_556	N
O2	Al	O3	111.5(4)	1_555	.	1_555	N
O2	Al	O4	104.4(4)	1_555	.	203_454	N
O2	Al	K	62.4(4)	1_555	.	1_555	N
O2	Al	K	64.0(4)	1_555	.	1_556	N
O3	Al	O4	112.6(5)	1_555	.	203_454	N
O3	Al	K	73.90(32)	1_555	.	1_555	N
O3	Al	K	125.1(4)	1_555	.	1_556	N
O4	Al	K	75.4(4)	203_454	.	1_555	N
O4	Al	K	121.6(4)	203_454	.	1_556	N
K	Al	K	126.30(27)	1_555	.	1_556	N
Si1	O1	Al	140.2(5)	1_556	.	1_555	N
Si1	O1	K	107.64(34)	1_556	.	1_556	N
Al	O1	K	112.10(33)	1_555	.	1_556	N
Si2	O2	Al	118.3(4)	1_555	.	1_555	N
Si2	O2	K	91.3(5)	1_555	.	1_555	N
Si2	O2	K	109.7(4)	1_555	.	4_555	N
Al	O2	K	87.9(4)	1_555	.	1_555	N
Al	O2	K	131.79(33)	1_555	.	4_555	N
K	O2	K	95.25(32)	1_555	.	4_555	N
Si2	O3	Al	130.0(6)	102_544	.	1_555	N
Si2	O4	Al	142.6(6)	1_555	.	3_555	N
Si1	O5	Si2	143.5(6)	2_555	.	1_555	N
Si1	O5	K	109.2(4)	2_555	.	1_555	N

Si2	O5	K	107.2(4)	1_555 .	1_555 N
Si1	K	Si1	126.46(17)	1_555 .	2_555 N
Si1	K	Si2	92.83(21)	1_555 .	1_554 N
Si1	K	Si2	119.59(21)	1_555 .	1_555 N
Si1	K	Al	50.35(15)	1_555 .	1_554 N
Si1	K	Al	76.07(19)	1_555 .	1_555 N
Si1	K	O1	25.33(8)	1_555 .	1_554 N
Si1	K	O2	105.46(24)	1_555 .	1_555 N
Si1	K	O2	123.02(22)	1_555 .	4_554 N
Si1	K	O5	126.41(25)	1_555 .	1_555 N
Si1	K	K	101.66(17)	1_555 .	4_554 N
Si1	K	K	123.83(23)	1_555 .	4_555 N
Si1	K	Si2	76.70(19)	2_555 .	1_554 N
Si1	K	Si2	51.19(15)	2_555 .	1_555 N
Si1	K	Al	114.24(23)	2_555 .	1_554 N
Si1	K	Al	92.98(21)	2_555 .	1_555 N
Si1	K	O1	123.15(28)	2_555 .	1_554 N
Si1	K	O2	78.49(22)	2_555 .	1_555 N
Si1	K	O2	110.13(19)	2_555 .	4_554 N
Si1	K	O5	25.30(9)	2_555 .	1_555 N
Si1	K	K	112.27(22)	2_555 .	4_554 N
Si1	K	K	93.96(17)	2_555 .	4_555 N
Si2	K	Si2	127.70(26)	1_554 .	1_555 N
Si2	K	Al	45.37(14)	1_554 .	1_554 N
Si2	K	Al	156.32(27)	1_554 .	1_555 N
Si2	K	O1	68.53(20)	1_554 .	1_554 N
Si2	K	O2	154.81(31)	1_554 .	1_555 N
Si2	K	O2	93.94(30)	1_554 .	4_554 N
Si2	K	O5	101.96(22)	1_554 .	1_555 N
Si2	K	K	54.00(11)	1_554 .	4_554 N
Si2	K	K	137.74(21)	1_554 .	4_555 N
Si2	K	Al	156.80(28)	1_555 .	1_554 N
Si2	K	Al	48.32(16)	1_555 .	1_555 N
Si2	K	O1	141.10(28)	1_555 .	1_554 N
Si2	K	O2	27.30(10)	1_555 .	1_555 N
Si2	K	O2	99.40(27)	1_555 .	4_554 N
Si2	K	O5	25.92(12)	1_555 .	1_555 N
Si2	K	K	137.44(21)	1_555 .	4_554 N
Si2	K	K	54.72(10)	1_555 .	4_555 N
Al	K	Al	126.30(27)	1_554 .	1_555 N
Al	K	O1	25.04(12)	1_554 .	1_554 N
Al	K	O2	155.82(29)	1_554 .	1_555 N
Al	K	O2	103.09(29)	1_554 .	4_554 N
Al	K	O5	136.86(29)	1_554 .	1_555 N
Al	K	K	61.45(10)	1_554 .	4_554 N
Al	K	K	147.94(26)	1_554 .	4_555 N
Al	K	O1	101.30(22)	1_555 .	1_554 N
Al	K	O2	29.62(9)	1_555 .	1_555 N
Al	K	O2	109.67(33)	1_555 .	4_554 N
Al	K	O5	70.06(21)	1_555 .	1_555 N
Al	K	K	148.14(27)	1_555 .	4_554 N
Al	K	K	63.19(13)	1_555 .	4_555 N
O1	K	O2	130.78(27)	1_554 .	1_555 N
O1	K	O2	115.66(33)	1_554 .	4_554 N

O1	K	O5	136.47(35)	1_554 .	1_555 N
O1	K	K	81.44(18)	1_554 .	4_554 N
O1	K	K	141.42(30)	1_554 .	4_555 N
O2	K	O2	90.47(32)	1_555 .	4_554 N
O2	K	O5	53.21(20)	1_555 .	1_555 N
O2	K	K	134.99(29)	1_555 .	4_554 N
O2	K	K	40.23(13)	1_555 .	4_555 N
O2	K	O5	107.13(29)	4_554 .	1_555 N
O2	K	K	44.52(27)	4_554 .	4_554 N
O2	K	K	50.24(28)	4_554 .	4_555 N
O5	K	K	128.67(26)	1_555 .	4_554 N
O5	K	K	74.33(18)	1_555 .	4_555 N
K	K	K	94.76(22)	4_554 .	4_555 N

Powder diffraction data for histogram 1

#=====

9. INSTRUMENT CHARACTERIZATION

_exptl_special_details

; ?

;

if regions of the data are excluded, the reason(s) are supplied here:

_pd_proc_info_excluded_regions

; ?

;

The following item is used to identify the equipment used to record

the powder pattern when the diffractogram was measured at a laboratory

other than the authors' home institution, e.g. when neutron or synchrotron

radiation is used.

_pd_instr_location

; ?

;

_pd_calibration_special_details # description of the method used

to calibrate the instrument

; ?

;

_diffrn_ambient_temperature ?

_diffrn_source ?

_diffrn_source_target ?

_diffrn_source_type ?

_diffrn_measurement_device_type ?

_diffrn_detector ?

_diffrn_detector_type ? # make or model of detector

_pd_meas_scan_method ? # options are 'step', 'cont',

'tof', 'fixed' or

'disp' (= dispersive)

_pd_meas_special_details

; ?

;

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

_computing_data_collection ?

_computing_data_reduction ?

Describe any processing performed on the data, prior to refinement.

For example: a manual Lp correction or a precomputed absorption correction

_pd_proc_info_data_reduction ?

The following item is used for angular dispersive measurements only.

_diffrn_radiation_monochromator ?

The following items are used to define the size of the instrument.

Not all distances are appropriate for all instrument types.

_pd_instr_dist_src/mono ?

_pd_instr_dist_mono/spec ?

_pd_instr_dist_src/spec ?

_pd_instr_dist_spec/anal ?

_pd_instr_dist_anal/detc ?

_pd_instr_dist_spec/detc ?

10. Specimen size and mounting information

The next three fields give the specimen dimensions in mm. The equatorial

plane contains the incident and diffracted beam.

_pd_spec_size_axial ? # perpendicular to
 # equatorial plane

_pd_spec_size_equat ? # parallel to
 # scattering vector
 # in transmission

_pd_spec_size_thick ? # parallel to
 # scattering vector
 # in reflection

_pd_spec_mounting # This field should be
 # used to give details of the
 # container.

; ?

;

_pd_spec_mount_mode ? # options are 'reflection'
 # or 'transmission'

_pd_spec_shape ? # options are 'cylinder'
 # 'flat_sheet' or 'irregular'

loop_ _atom_type_symbol
 _atom_type_number_in_cell

```

_atom_type_scatter_dispersion_real
_atom_type_scatter_dispersion_imag
_atom_type_scatter_Cromer_Mann_a1
_atom_type_scatter_Cromer_Mann_a2
_atom_type_scatter_Cromer_Mann_a3
_atom_type_scatter_Cromer_Mann_a4
_atom_type_scatter_Cromer_Mann_b1
_atom_type_scatter_Cromer_Mann_b2
_atom_type_scatter_Cromer_Mann_b3
_atom_type_scatter_Cromer_Mann_b4
_atom_type_scatter_Cromer_Mann_c
_atom_type_scatter_source
Si      24.0  0.000  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      16.0  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
O       80.0  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
K       14.927 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
_diffraction_radiation_probe      x-ray
_diffraction_radiation_polarisation_ratio      0.95
_diffraction_radiation_wavelength      0.77486
_diffraction_radiation_type      ?
_pd_profile_ls_profile_R_factor      0.0357
_pd_profile_ls_profile_wR_factor      0.0492
_pd_profile_ls_profile_wR_expected      0.0209
_refine_ls_R_Fsqd_factor      0.18949

_pd_profile_ls_background_function
; GSAS Background function number 1 with 14 terms.
Shifted Chebyshev function of 1st kind
  1:  1911.84   2: -914.648   3:  86.0449   4:  426.828
  5: -245.239   6: -3.87585   7:  90.6610   8: -88.9035
  9:  25.1048  10: 16.3315  11: -16.3599  12:  33.5529
 13: -34.1365  14:  4.23154
;

_exptl_absorption_process_details
; GSAS Absorption/surface roughness correction: function number 0
No correction is applied.
;
_exptl_absorption_correction_T_min      1.00000
_exptl_absorption_correction_T_max      1.00000
# Extinction correction
_gsas_exptl_extinct_corr_T_min      1.00000
_gsas_exptl_extinct_corr_T_max      1.00000

_pd_profile_ls_profile_function
;

```

CW Profile function number 4 with 18 terms
Pseudovoigt profile coefficients as parameterized in
P. Thompson, D.E. Cox & J.B. Hastings (1987). J. Appl. Cryst.,20,79-83.
Asymmetry correction of L.W. Finger, D.E. Cox & A. P. Jephcoat (1994).
J. Appl. Cryst.,27,892-900.
Microstrain broadening by P.W. Stephens, (1999). J. Appl. Cryst.,32,281-289.
#1(GU) = 315.121 #2(GV) = -29.117 #3(GW) = 0.765
#4(GP) = 0.000 #5(LX) = 5.954 #6(pte) = -1.46
#7(trns) = 0.00 #8(shft) = 0.0000 #9(sfec) = 0.00
#10(S/L) = 0.0005 #11(H/L) = 0.0005 #12(eta) = 0.0000
#13(S400) = 1.7E-02 #14(S040) = 1.9E-02 #15(S004) = 0.0E+00
#16(S220) = -7.8E-03 #17(S202) = -1.0E-03 #18(S022) = -9.0E-04
Peak tails are ignored where the intensity is below 0.0010 times the peak
Aniso. broadening axis 0.0 0.0 1.0

```
;
_pd_proc_ls_peak_cutoff 0.00100
_pd_proc_info_datetime      2011-04-09T16:13:14
_pd_calc_method             "Rietveld Refinement"
```

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

```
_pd_meas_2theta_range_min      4.405
_pd_meas_2theta_range_max      31.25
_pd_meas_2theta_range_inc      0.005
_pd_proc_2theta_range_min      4.39487
_pd_proc_2theta_range_max      31.23987
_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
1947.0  0.0  -28094.95117 .
2018.0  0.0  -27853.50195 .
1929.0  0.0  -27613.63281 .
1999.0  0.0  -27375.37109 .
1986.0  0.0  -27138.68555 .
1928.0  0.0  -26903.59961 .
1940.0  0.0  -26670.06445 .
1983.0  0.0  -26438.09961 .
2000.0  0.0  -26207.66992 .
2018.0  0.0  -25978.81445 .
2066.0  0.0  -25751.46680 .
2046.0  0.0  -25525.64844 .
2042.0  0.0  -25301.35156 .
1948.0  0.0  -25078.57813 .
2107.0  0.0  -24857.27930 .
2129.0  0.0  -24637.48242 .
2018.0  0.0  -24419.16797 .
2042.0  0.0  -24202.34570 .
2014.0  0.0  -23986.97656 .
2034.0  0.0  -23773.05664 .
2048.0  0.0  -23560.59766 .
2016.0  0.0  -23349.56836 .
```

2028.0	0.0	-23140.00000	.
2035.0	0.0	-22931.84570	.
2065.0	0.0	-22725.10547	.
2011.0	0.0	-22519.77344	.
2006.0	0.0	-22315.86133	.
2152.0	0.0	-22113.33008	.
2096.0	0.0	-21912.17578	.
2032.0	0.0	-21712.40430	.
2040.0	0.0	-21514.02344	.
2066.0	0.0	-21316.98828	.
2071.0	0.0	-21121.30078	.
2067.0	0.0	-20926.96094	.
2034.0	0.0	-20733.98828	.
2089.0	0.0	-20542.32227	.
2030.0	0.0	-20351.98438	.
2098.0	0.0	-20162.96484	.
2097.0	0.0	-19975.26367	.
2082.0	0.0	-19788.85156	.
2083.0	0.0	-19603.73633	.
2059.0	0.0	-19419.90625	.
2155.0	0.0	-19237.36719	.
2108.0	0.0	-19056.08594	.
2147.0	0.0	-18876.07813	.
2136.0	0.0	-18697.32031	.
2126.0	0.0	-18519.81055	.
2248.0	0.0	-18343.56641	.
2140.0	0.0	-18168.53711	.
2135.0	0.0	-17994.73633	.
2165.0	0.0	-17822.15039	.
2099.0	0.0	-17650.81055	.
2053.0	0.0	-17480.65234	.
2167.0	0.0	-17311.69531	.
2162.0	0.0	-17143.92969	.
2118.0	0.0	-16977.36914	.
2113.0	0.0	-16811.96484	.
2177.0	0.0	-16647.74414	.
2139.0	0.0	-16484.68359	.
2131.0	0.0	-16322.79883	.
2169.0	0.0	-16162.04297	.
2177.0	0.0	-16002.44141	.
2153.0	0.0	-15843.97461	.
2138.0	0.0	-15686.65137	.
2122.0	0.0	-15530.44727	.
2183.0	0.0	-15375.34961	.
2133.0	0.0	-15221.37305	.
2133.0	0.0	-15068.51172	.
2194.0	0.0	-14916.73926	.
2212.0	0.0	-14766.05762	.
2236.0	0.0	-14616.45801	.
2187.0	0.0	-14467.93652	.
2155.0	0.0	-14320.51172	.
2151.0	0.0	-14174.12793	.
2225.0	0.0	-14028.81250	.
2173.0	0.0	-13884.54980	.

2225.0	0.0	-13741.34375	.
2179.0	0.0	-13599.16699	.
2161.0	0.0	-13458.02930	.
2220.0	0.0	-13317.91504	.
2291.0	0.0	-13178.83691	.
2058.0	0.0	-13040.77051	.
2173.0	0.0	-12903.70801	.
2224.0	0.0	-12767.64941	.
2290.0	0.0	-12632.60547	.
2154.0	0.0	-12498.53418	.
2195.0	0.0	-12365.45313	.
2138.0	0.0	-12233.35156	.
2197.0	0.0	-12102.24219	.
2229.0	0.0	-11972.08398	.
2126.0	0.0	-11842.89063	.
2252.0	0.0	-11714.65332	.
2247.0	0.0	-11587.37793	.
2182.0	0.0	-11461.03418	.
2257.0	0.0	-11335.63574	.
2168.0	0.0	-11211.16699	.
2160.0	0.0	-11087.62695	.
2239.0	0.0	-10965.02148	.
2079.0	0.0	-10843.32617	.
2190.0	0.0	-10722.53320	.
2263.0	0.0	-10602.65430	.
2144.0	0.0	-10483.68164	.
2206.0	0.0	-10365.59180	.
2201.0	0.0	-10248.38965	.
2216.0	0.0	-10132.07422	.
2219.0	0.0	-10016.64746	.
2286.0	0.0	-9902.08594	.
2098.0	0.0	-9788.37988	.
2285.0	0.0	-9675.54883	.
2201.0	0.0	-9563.57813	.
2242.0	0.0	-9452.45020	.
2304.0	0.0	-9342.16797	.
2325.0	0.0	-9232.72852	.
2169.0	0.0	-9124.13574	.
2162.0	0.0	-9016.35742	.
2259.0	0.0	-8909.40918	.
2140.0	0.0	-8803.27734	.
2234.0	0.0	-8697.97363	.
2239.0	0.0	-8593.46875	.
2192.0	0.0	-8489.76563	.
2172.0	0.0	-8386.86523	.
2167.0	0.0	-8284.75879	.
2226.0	0.0	-8183.45264	.
2224.0	0.0	-8082.92139	.
2241.0	0.0	-7983.16748	.
2163.0	0.0	-7884.19189	.
2273.0	0.0	-7785.99170	.
2330.0	0.0	-7688.55029	.
2265.0	0.0	-7591.86914	.
2218.0	0.0	-7495.94189	.

2203.0	0.0	-7400.77197	.
2189.0	0.0	-7306.34619	.
2226.0	0.0	-7212.65283	.
2251.0	0.0	-7119.70410	.
2293.0	0.0	-7027.49023	.
2199.0	0.0	-6935.99219	.
2169.0	0.0	-6845.22412	.
2291.0	0.0	-6755.16895	.
2221.0	0.0	-6665.83594	.
2160.0	0.0	-6577.20508	.
2245.0	0.0	-6489.27686	.
2192.0	0.0	-6402.04688	.
2198.0	0.0	-6315.52197	.
2174.0	0.0	-6229.68018	.
2221.0	0.0	-6144.52148	.
2227.0	0.0	-6060.04395	.
2156.0	0.0	-5976.24707	.
2194.0	0.0	-5893.12744	.
2157.0	0.0	-5810.66895	.
2223.0	0.0	-5728.87500	.
2288.0	0.0	-5647.74316	.
2192.0	0.0	-5567.27295	.
2273.0	0.0	-5487.44482	.
2247.0	0.0	-5408.26709	.
2276.0	0.0	-5329.72754	.
2339.0	0.0	-5251.83545	.
2195.0	0.0	-5174.57080	.
2176.0	0.0	-5097.93750	.
2196.0	0.0	-5021.92725	.
2262.0	0.0	-4946.54980	.
2271.0	0.0	-4871.78027	.
2201.0	0.0	-4797.62451	.
2230.0	0.0	-4724.07959	.
2081.0	0.0	-4651.14404	.
2263.0	0.0	-4578.80762	.
2234.0	0.0	-4507.06592	.
2320.0	0.0	-4435.91602	.
2223.0	0.0	-4365.36670	.
2233.0	0.0	-4295.39355	.
2205.0	0.0	-4226.00439	.
2280.0	0.0	-4157.19287	.
2218.0	0.0	-4088.95361	.
2294.0	0.0	-4021.29028	.
2280.0	0.0	-3954.19092	.
2249.0	0.0	-3887.65039	.
2335.0	0.0	-3821.67114	.
2260.0	0.0	-3756.25342	.
2362.0	0.0	-3691.37866	.
2236.0	0.0	-3627.05078	.
2284.0	0.0	-3563.26880	.
2279.0	0.0	-3500.03198	.
2207.0	0.0	-3437.32861	.
2249.0	0.0	-3375.15454	.
2282.0	0.0	-3313.50879	.

2283.0	0.0	-3252.39990	.
2144.0	0.0	-3191.80103	.
2269.0	0.0	-3131.72461	.
2241.0	0.0	-3072.16089	.
2276.0	0.0	-3013.11597	.
2216.0	0.0	-2954.57275	.
2251.0	0.0	-2896.53467	.
2248.0	0.0	-2838.99658	.
2168.0	0.0	-2781.96143	.
2260.0	0.0	-2725.41553	.
2213.0	0.0	-2669.35962	.
2196.0	0.0	-2613.79248	.
2269.0	0.0	-2558.70776	.
2131.0	0.0	-2504.10889	.
2302.0	0.0	-2449.98193	.
2280.0	0.0	-2396.32886	.
2304.0	0.0	-2343.14551	.
2218.0	0.0	-2290.43530	.
2285.0	0.0	-2238.18481	.
2310.0	0.0	-2186.39478	.
2297.0	0.0	-2135.06250	.
2276.0	0.0	-2084.18799	.
2272.0	0.0	-2033.76074	.
2282.0	0.0	-1983.78308	.
2275.0	0.0	-1934.24707	.
2289.0	0.0	-1885.15894	.
2289.0	0.0	-1836.50439	.
2249.0	0.0	-1788.28564	.
2257.0	0.0	-1740.49976	.
2244.0	0.0	-1693.14465	.
2267.0	0.0	-1646.21558	.
2293.0	0.0	-1599.70715	.
2271.0	0.0	-1553.61926	.
2264.0	0.0	-1507.95300	.
2265.0	0.0	-1462.69617	.
2236.0	0.0	-1417.85095	.
2270.0	0.0	-1373.41296	.
2273.0	0.0	-1329.38123	.
2215.0	0.0	-1285.75562	.
2290.0	0.0	-1242.52527	.
2266.0	0.0	-1199.69202	.
2269.0	0.0	-1157.25391	.
2239.0	0.0	-1115.20825	.
2286.0	0.0	-1073.54651	.
2308.0	0.0	-1032.27246	.
2330.0	0.0	-991.37823	.
2299.0	0.0	-950.86823	.
2316.0	0.0	-910.73181	.
2295.0	0.0	-870.96942	.
2268.0	0.0	-831.57813	.
2359.0	0.0	-792.55804	.
2249.0	0.0	-753.90179	.
2279.0	0.0	-715.60822	.
2396.0	0.0	-677.67438	.

2252.0	0.0	-640.10352	.
2364.0	0.0	-602.88287	.
2246.0	0.0	-566.01563	.
2308.0	0.0	-529.49719	.
2366.0	0.0	-493.32935	.
2227.0	0.0	-457.50366	.
2146.0	0.0	-422.01978	.
2259.0	0.0	-386.87808	.
2359.0	0.0	-352.07074	.
2232.0	0.0	-317.60095	.
2373.0	0.0	-283.46048	.
2229.0	0.0	-249.65050	.
2285.0	0.0	-216.16679	.
2368.0	0.0	-183.01056	.
2178.0	0.0	-150.17415	.
2287.0	0.0	-117.65665	.
2271.0	0.0	-85.45582	.
2249.0	0.0	-53.57363	.
2375.0	0.0	-22.00127	.
2382.0	0.0	9.26200	.
2259.0	0.0	40.21672	.
2196.0	0.0	70.86393	.
2290.0	0.0	101.21024	.
2302.0	0.0	131.25676	.
2333.0	0.0	161.00331	.
2350.0	0.0	190.45364	.
2215.0	0.0	219.61206	.
2284.0	0.0	248.47780	.
2225.0	0.0	277.05496	.
2359.0	0.0	305.34375	.
2293.0	0.0	333.34845	.
2304.0	0.0	361.07172	.
2263.0	0.0	388.51462	.
2250.0	0.0	415.67944	.
2319.0	0.0	442.56662	.
2309.0	0.0	469.18167	.
2254.0	0.0	495.52576	.
2245.0	0.0	521.59937	.
2398.0	0.0	547.40314	.
2357.0	0.0	572.94550	.
2322.0	0.0	598.22369	.
2283.0	0.0	623.24139	.
2372.0	0.0	647.99774	.
2370.0	0.0	672.49969	.
2296.0	0.0	696.74603	.
2324.0	0.0	720.74042	.
2304.0	0.0	744.48199	.
2315.0	0.0	767.97668	.
2317.0	0.0	791.22424	.
2318.0	0.0	814.22748	.
2423.0	0.0	836.98627	.
2287.0	0.0	859.50568	.
2267.0	0.0	881.78650	.
2304.0	0.0	903.83044	.

2284.0	0.0	925.63678	.
2265.0	0.0	947.21356	.
2271.0	0.0	968.55847	.
2302.0	0.0	989.67383	.
2317.0	0.0	1010.56158	.
2309.0	0.0	1031.22302	.
2309.0	0.0	1051.66223	.
2397.0	0.0	1071.87952	.
2338.0	0.0	1091.87708	.
2329.0	0.0	1111.65430	.
2248.0	0.0	1131.21765	.
2345.0	0.0	1150.56567	.
2304.0	0.0	1169.70154	.
2361.0	0.0	1188.62500	.
2410.0	0.0	1207.34082	.
2398.0	0.0	1225.84875	.
2268.0	0.0	1244.15222	.
2349.0	0.0	1262.24902	.
2377.0	0.0	1280.14551	.
2324.0	0.0	1297.84180	.
2392.0	0.0	1315.33997	.
2190.0	0.0	1332.63806	.
2162.0	0.0	1349.74292	.
2260.0	0.0	1366.65454	.
2263.0	0.0	1383.37378	.
2355.0	0.0	1399.90076	.
2348.0	0.0	1416.24060	.
2326.0	0.0	1432.39355	.
2302.0	0.0	1448.36084	.
2303.0	0.0	1464.14417	.
2270.0	0.0	1479.74438	.
2353.0	0.0	1495.16431	.
2306.0	0.0	1510.40588	.
2382.0	0.0	1525.46960	.
2324.0	0.0	1540.35559	.
2302.0	0.0	1555.06885	.
2374.0	0.0	1569.60938	.
2301.0	0.0	1583.97778	.
2368.0	0.0	1598.17517	.
2445.0	0.0	1612.20581	.
2381.0	0.0	1626.06970	.
2280.0	0.0	1639.76782	.
2279.0	0.0	1653.30066	.
2326.0	0.0	1666.67249	.
2414.0	0.0	1679.88330	.
2341.0	0.0	1692.93445	.
2314.0	0.0	1705.82666	.
2423.0	0.0	1718.56287	.
2351.0	0.0	1731.14380	.
2269.0	0.0	1743.57117	.
2330.0	0.0	1755.84509	.
2363.0	0.0	1767.96863	.
2369.0	0.0	1779.94275	.
2320.0	0.0	1791.76904	.

2360.0	0.0	1803.44763	.
2418.0	0.0	1814.97974	.
2401.0	0.0	1826.36890	.
2344.0	0.0	1837.61523	.
2381.0	0.0	1848.71973	.
2410.0	0.0	1859.68298	.
2301.0	0.0	1870.50842	.
2294.0	0.0	1881.19629	.
2275.0	0.0	1891.74756	.
2385.0	0.0	1902.16296	.
2401.0	0.0	1912.44556	.
2370.0	0.0	1922.59570	.
2343.0	0.0	1932.61450	.
2302.0	0.0	1942.50232	.
2459.0	0.0	1952.26221	.
2310.0	0.0	1961.89465	.
2285.0	0.0	1971.40100	.
2351.0	0.0	1980.78113	.
2417.0	0.0	1990.03833	.
2350.0	0.0	1999.17261	.
2331.0	0.0	2008.18591	.
2365.0	0.0	2017.07764	.
2336.0	0.0	2025.85120	.
2439.0	0.0	2034.50684	.
2362.0	0.0	2043.04578	.
2349.0	0.0	2051.46875	.
2381.0	0.0	2059.77661	.
2404.0	0.0	2067.97168	.
2431.0	0.0	2076.05444	.
2355.0	0.0	2084.02637	.
2369.0	0.0	2091.88770	.
2370.0	0.0	2099.64038	.
2327.0	0.0	2107.28516	.
2337.0	0.0	2114.82349	.
2394.0	0.0	2122.25537	.
2336.0	0.0	2129.58325	.
2284.0	0.0	2136.80786	.
2410.0	0.0	2143.92993	.
2404.0	0.0	2150.94971	.
2465.0	0.0	2157.86987	.
2470.0	0.0	2164.69092	.
2342.0	0.0	2171.41333	.
2383.0	0.0	2178.03784	.
2384.0	0.0	2184.56714	.
2330.0	0.0	2191.00098	.
2344.0	0.0	2197.34009	.
2399.0	0.0	2203.58569	.
2423.0	0.0	2209.73950	.
2439.0	0.0	2215.80176	.
2396.0	0.0	2221.77393	.
2309.0	0.0	2227.65649	.
2371.0	0.0	2233.45044	.
2444.0	0.0	2239.15723	.
2392.0	0.0	2244.77734	.

2374.0	0.0	2250.31201	.
2334.0	0.0	2255.76123	.
2396.0	0.0	2261.12744	.
2388.0	0.0	2266.41089	.
2358.0	0.0	2271.61230	.
2373.0	0.0	2276.73218	.
2332.0	0.0	2281.77222	.
2336.0	0.0	2286.73315	.
2427.0	0.0	2291.61548	.
2397.0	0.0	2296.41992	.
2373.0	0.0	2301.14844	.
2448.0	0.0	2305.80103	.
2444.0	0.0	2310.37842	.
2359.0	0.0	2314.88184	.
2432.0	0.0	2319.31226	.
2454.0	0.0	2323.66992	.
2348.0	0.0	2327.95654	.
2356.0	0.0	2332.17188	.
2447.0	0.0	2336.31714	.
2452.0	0.0	2340.39380	.
2391.0	0.000416	2344.40210	2356.68872
2439.0	0.000416	2348.34277	2360.80615
2330.0	0.000434	2352.21631	2364.86011
2426.0	0.000416	2356.02441	2368.85254
2376.0	0.000416	2359.76733	2372.78394
2417.0	0.000416	2363.44580	2376.65527
2394.0	0.000416	2367.06030	2380.46655
2473.0	0.000400	2370.61230	2384.21997
2368.0	0.000416	2374.10229	2387.91602
2370.0	0.000416	2377.53101	2391.55542
2415.0	0.000416	2380.89844	2395.13843
2409.0	0.000416	2384.20654	2398.66699
2404.0	0.000416	2387.45557	2402.14160
2402.0	0.000416	2390.64624	2405.56348
2339.0	0.000434	2393.77881	2408.93237
2362.0	0.000416	2396.85474	2412.25049
2397.0	0.000416	2399.87451	2415.51831
2476.0	0.000400	2402.83862	2418.73657
2351.0	0.000434	2405.74756	2421.90576
2435.0	0.000416	2408.60254	2425.02734
2375.0	0.000416	2411.40405	2428.10229
2423.0	0.000416	2414.15308	2431.13159
2418.0	0.000416	2416.84937	2434.11523
2419.0	0.000416	2419.49463	2437.05518
2414.0	0.000416	2422.08911	2439.95190
2399.0	0.000416	2424.63354	2442.80640
2355.0	0.000416	2427.12842	2445.61963
2392.0	0.000416	2429.57422	2448.39209
2392.0	0.000416	2431.97217	2451.12549
2456.0	0.000400	2434.32251	2453.82031
2378.0	0.000416	2436.62598	2456.47754
2459.0	0.000400	2438.88306	2459.09814
2431.0	0.000416	2441.09448	2461.68335
2429.0	0.000416	2443.26123	2464.23413

2379.0	0.000416	2445.38330	2466.75098
2460.0	0.000400	2447.46143	2469.23535
2410.0	0.000416	2449.49658	2471.68823
2434.0	0.000416	2451.48901	2474.11060
2453.0	0.000400	2453.43970	2476.50366
2468.0	0.000400	2455.34863	2478.86816
2377.0	0.000416	2457.21704	2481.20581
2408.0	0.000416	2459.04492	2483.51709
2411.0	0.000416	2460.83325	2485.80347
2429.0	0.000416	2462.58252	2488.06641
2437.0	0.000416	2464.29321	2490.30640
2460.0	0.000400	2465.96582	2492.52515
2422.0	0.000416	2467.60132	2494.72388
2442.0	0.000416	2469.19946	2496.90356
2492.0	0.000400	2470.76172	2499.06616
2440.0	0.000416	2472.28784	2501.21240
2466.0	0.000400	2473.77905	2503.34399
2424.0	0.000416	2475.23511	2505.46216
2516.0	0.000400	2476.65723	2507.56885
2503.0	0.000400	2478.04565	2509.66528
2470.0	0.000400	2479.40088	2511.75293
2458.0	0.000400	2480.72363	2513.83398
2456.0	0.000400	2482.01392	2515.90918
2383.0	0.000416	2483.27271	2517.98145
2462.0	0.000400	2484.50049	2520.05200
2446.0	0.000416	2485.69751	2522.12280
2469.0	0.000400	2486.86450	2524.19629
2459.0	0.000400	2488.00171	2526.27393
2483.0	0.000400	2489.10986	2528.35864
2458.0	0.000400	2490.18921	2530.45215
2441.0	0.000416	2491.24023	2532.55688
2488.0	0.000400	2492.26367	2534.67603
2512.0	0.000400	2493.26001	2536.81226
2583.0	0.000384	2494.22925	2538.96753
2513.0	0.000400	2495.17212	2541.14551
2495.0	0.000400	2496.08911	2543.34937
2491.0	0.000400	2496.98071	2545.58228
2489.0	0.000400	2497.84717	2550.77368
2502.0	0.000400	2498.68921	2553.10864
2451.0	0.000400	2499.50684	2555.48438
2513.0	0.000400	2500.30103	2557.90601
2478.0	0.000400	2501.07178	2560.37695
2528.0	0.000400	2501.81982	2562.90332
2481.0	0.000400	2502.54541	2565.48975
2521.0	0.000400	2503.24878	2568.14160
2534.0	0.000400	2503.93091	2570.86572
2527.0	0.000400	2504.59155	2573.66772
2492.0	0.000400	2505.23145	2576.55518
2523.0	0.000400	2505.85083	2579.53540
2603.0	0.000384	2506.45044	2582.61670
2537.0	0.000400	2507.03052	2585.80811
2465.0	0.000400	2507.59106	2589.11841
2552.0	0.000384	2508.13306	2592.55884
2551.0	0.000384	2508.65649	2596.14014

2517.0	0.000400	2509.16187	2599.87476
2565.0	0.000384	2509.64966	2603.77612
2584.0	0.000384	2510.12012	2607.85913
2634.0	0.000384	2510.57349	2612.13940
2488.0	0.000400	2511.01050	2616.63501
2558.0	0.000384	2511.43115	2621.36523
2622.0	0.000384	2511.83594	2626.35181
2589.0	0.000384	2512.22534	2631.61792
2638.0	0.000384	2512.59961	2637.18994
2570.0	0.000384	2512.95898	2643.09692
2683.0	0.000370	2513.30396	2649.37109
2582.0	0.000384	2513.63477	2656.04834
2638.0	0.000384	2513.95166	2663.16895
2654.0	0.000370	2514.25537	2670.77808
2645.0	0.000384	2514.54565	2678.92603
2635.0	0.000384	2514.82349	2687.67017
2666.0	0.000370	2515.08862	2697.07422
2684.0	0.000370	2515.34155	2707.21094
2653.0	0.000370	2515.58276	2718.16357
2704.0	0.000370	2515.81250	2730.02539
2736.0	0.000370	2516.03101	2742.90454
2759.0	0.000356	2516.23853	2756.92456
2728.0	0.000370	2516.43555	2772.22778
2744.0	0.000370	2516.62231	2788.97925
2789.0	0.000356	2516.79907	2807.37109
2833.0	0.000356	2516.96606	2827.62915
2775.0	0.000356	2517.12354	2850.02002
2898.0	0.0003429	2517.27197	2874.86475
2981.0	0.0003306	2517.41162	2902.55078
2894.0	0.0003429	2517.54272	2933.55518
3039.0	0.0003306	2517.66553	2968.47168
3104.0	0.0003189	2517.78052	3008.05078
3134.0	0.0003189	2517.88745	3053.24854
3113.0	0.0003189	2517.98706	3105.28979
3291.0	0.0003078	2518.07959	3165.74536
3349.0	0.0002973	2518.16528	3236.61548
3409.0	0.0002973	2518.24414	3320.41772
3455.0	0.0002873	2518.31665	3420.27075
3591.0	0.0002778	2518.38281	3539.94678
3876.0	0.0002601	2518.44336	3683.89502
3959.0	0.0002520	2518.49805	3857.19263
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4515.0	0.0002228	2518.59180	4314.44775
4823.0	0.0002100	2518.63110	4609.98779
5103.0	0.0001984	2518.66577	4956.99756
5347.0	0.0001877	2518.69604	5358.56494
5998.0	0.0001687	2518.72217	5814.08252
6442.0	0.0001562	2518.74438	6316.28809
7044.0	0.0001417	2518.76270	6846.99609
7739.0	0.0001291	2518.77759	7372.29395
8225.0	0.0001208	2518.78906	7840.12354
8835.0	0.0001132	2518.79761	8185.54199
9177.0	0.0001085	2518.80322	8347.72559
9253.0	0.0001085	2518.80640	8294.01855

9022.0	0.0001108	2518.80688	8035.57422
8479.0	0.0001181	2518.80518	7621.81738
7840.0	0.0001262	2518.80151	7118.42920
7063.0	0.0001417	2518.79614	6585.37744
6383.0	0.0001562	2518.78931	6065.83154
5627.0	0.0001778	2518.78076	5585.41504
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4627.0	0.0002163	2518.76050	4782.12646
4338.0	0.0002296	2518.74927	4461.28809
3969.0	0.0002520	2518.73706	4189.64307
3738.0	0.0002687	2518.72461	3961.75391
3572.0	0.0002778	2518.71191	3771.76782
3464.0	0.0002873	2518.69922	3613.92651
3286.0	0.0003078	2518.68652	3482.87329
3257.0	0.0003078	2518.67432	3373.83008
3132.0	0.0003189	2518.66235	3282.68115
3124.0	0.0003189	2518.65112	3205.98145
2965.0	0.0003429	2518.64063	3140.91821
2946.0	0.0003429	2518.63135	3085.23975
2919.0	0.0003429	2518.62305	3037.16870
2795.0	0.000356	2518.61621	2995.31641
2775.0	0.000356	2518.61060	2958.59863
2840.0	0.000356	2518.60693	2926.16943
2753.0	0.000370	2518.60474	2897.36157
2765.0	0.000356	2518.60474	2871.64380
2763.0	0.000356	2518.60693	2848.58691
2631.0	0.000384	2518.61133	2827.83960
2724.0	0.000370	2518.61792	2809.11011
2673.0	0.000370	2518.62720	2792.15454
2648.0	0.000384	2518.63940	2776.76514
2704.0	0.000370	2518.65430	2762.76489
2665.0	0.000370	2518.67212	2750.00195
2598.0	0.000384	2518.69312	2738.34424
2637.0	0.000384	2518.71753	2727.67822
2679.0	0.000370	2518.74512	2717.90430
2618.0	0.000384	2518.77637	2708.93530
2590.0	0.000384	2518.81128	2700.69556
2579.0	0.000384	2518.85010	2693.11792
2550.0	0.000400	2518.89282	2686.14331
2619.0	0.000384	2518.93945	2679.71973
2598.0	0.000384	2518.99023	2673.80127
2635.0	0.000384	2519.04565	2668.34766
2652.0	0.000384	2519.10522	2663.32178
2552.0	0.000384	2519.16943	2658.69214
2624.0	0.000384	2519.23828	2654.43018
2685.0	0.000370	2519.31177	2650.51050
2537.0	0.000400	2519.39014	2646.91064
2684.0	0.000370	2519.47388	2643.61108
2657.0	0.000370	2519.56226	2640.59351
2605.0	0.000384	2519.65601	2637.84204
2620.0	0.000384	2519.75537	2635.34424
2661.0	0.000370	2519.85986	2633.08667
2585.0	0.000384	2519.96997	2631.05981
2590.0	0.000384	2520.08545	2629.25366

2615.0	0.000384	2520.20703	2627.66162
2666.0	0.000370	2520.33423	2626.27686
2563.0	0.000384	2520.46729	2625.09424
2541.0	0.000400	2520.60645	2624.11035
2698.0	0.000370	2520.75171	2623.32178
2685.0	0.000370	2520.90308	2622.72729
2584.0	0.000384	2521.06079	2622.32642
2715.0	0.000370	2521.22510	2622.12036
2629.0	0.000384	2521.39551	2622.10986
2622.0	0.000384	2521.57251	2622.29932
2577.0	0.000384	2521.75635	2622.69287
2577.0	0.000384	2521.94653	2623.29614
2631.0	0.000384	2522.14380	2624.11670
2649.0	0.000384	2522.34790	2625.16406
2661.0	0.000370	2522.55884	2626.44873
2664.0	0.000370	2522.77661	2627.98364
2624.0	0.000384	2523.00171	2629.78418
2565.0	0.000384	2523.23389	2631.86841
2591.0	0.000384	2523.47339	2634.25659
2614.0	0.000384	2523.71997	2636.97266
2637.0	0.000384	2523.97412	2640.04468
2570.0	0.000384	2524.23560	2643.50464
2602.0	0.000384	2524.50439	2647.38989
2681.0	0.000370	2524.78076	2651.74414
2700.0	0.000370	2525.06494	2656.61792
2702.0	0.000370	2525.35669	2662.06958
2690.0	0.000370	2525.65625	2668.16846
2624.0	0.000384	2525.96338	2674.99487
2714.0	0.000370	2526.27856	2682.64478
2703.0	0.000370	2526.60156	2691.22998
2747.0	0.000370	2526.93237	2700.88452
2755.0	0.000370	2527.27148	2711.76904
2667.0	0.000370	2527.61841	2724.07446
2815.0	0.000356	2527.97339	2738.03394
2737.0	0.000370	2528.33667	2753.92944
2687.0	0.000370	2528.70801	2772.10693
2723.0	0.000370	2529.08765	2792.99438
2830.0	0.000356	2529.47559	2817.12573
2762.0	0.000356	2529.87183	2845.17725
2942.0	0.0003429	2530.27637	2878.01514
2919.0	0.0003429	2530.68945	2916.77173
2965.0	0.0003429	2531.11084	2962.94873
2968.0	0.0003429	2531.54077	3018.56812
3033.0	0.0003306	2531.97925	3086.37622
3169.0	0.0003189	2532.42603	3170.10132
3210.0	0.0003078	2532.88184	3274.75659
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3585.0	0.0002778	2533.81885	3575.13306
3679.0	0.0002687	2534.30029	3789.69653
3850.0	0.0002601	2534.79053	4062.58569
4244.0	0.0002367	2535.28955	4405.83984
4550.0	0.0002228	2535.79712	4827.50342
5109.0	0.0001984	2536.31372	5322.09668
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7357.0	0.0001352	2538.46826	6632.31250
7142.0	0.0001384	2539.02905	6340.38477
6401.0	0.0001562	2539.59888	5862.87354
5750.0	0.0001731	2540.17749	5332.30225
4968.0	0.0002041	2540.76514	4837.07764
4498.0	0.0002228	2541.36182	4414.48242
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3701.0	0.0002687	2542.58203	3796.76416
3524.0	0.0002873	2543.20581	3581.70728
3346.0	0.0002973	2543.83862	3413.21338
3134.0	0.0003189	2544.48022	3280.86572
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2985.0	0.0003306	2545.79102	3092.50171
2973.0	0.0003306	2546.45996	3024.81079
2873.0	0.0003429	2547.13818	2969.35352
2798.0	0.000356	2547.82520	2923.36816
2814.0	0.000356	2548.52148	2884.82153
2735.0	0.000370	2549.22681	2852.20386
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2780.0	0.000356	2550.66479	2800.46899
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2729.0	0.000370	2552.13940	2761.83594
2742.0	0.000370	2552.89038	2746.14282
2741.0	0.000370	2553.65039	2732.37354
2679.0	0.000370	2554.41943	2720.24365
2685.0	0.000370	2555.19775	2709.51880
2694.0	0.000370	2555.98511	2700.00562
2592.0	0.000384	2556.78174	2691.54199
2764.0	0.000356	2557.58740	2683.99243
2666.0	0.000370	2558.40186	2677.24194
2611.0	0.000384	2559.22583	2671.19434
2611.0	0.000384	2560.05859	2665.76660
2536.0	0.000400	2560.90063	2660.88818
2677.0	0.000370	2561.75171	2656.49756
2683.0	0.000370	2562.61182	2652.54321
2739.0	0.000370	2563.48096	2648.97852
2566.0	0.000384	2564.35913	2645.76440
2703.0	0.000370	2565.24634	2642.86621
2688.0	0.000370	2566.14258	2640.25366
2593.0	0.000384	2567.04785	2637.89990
2751.0	0.000370	2567.96216	2635.78149
2673.0	0.000370	2568.88550	2633.87744
2534.0	0.000400	2569.81763	2632.16895
2628.0	0.000384	2570.75879	2630.64014
2670.0	0.000370	2571.70898	2629.27612
2651.0	0.000384	2572.66797	2628.06372
2647.0	0.000384	2573.63574	2626.99072
2588.0	0.000384	2574.61255	2626.04712
2674.0	0.000370	2575.59839	2625.22388
2735.0	0.000370	2576.59277	2624.51099
2615.0	0.000384	2577.59619	2623.90137
2670.0	0.000370	2578.60840	2623.38843

2757.0	0.000356	2579.62915	2622.96509
2642.0	0.000384	2580.65894	2622.62573
2549.0	0.000400	2581.69751	2622.36523
2595.0	0.000384	2582.74463	2622.17847
2632.0	0.000384	2583.80054	2622.06079
2558.0	0.000384	2584.86499	2622.00854
2673.0	0.000370	2585.93823	2622.01782
2630.0	0.000384	2587.02026	2622.08594
2639.0	0.000384	2588.11035	2622.20801
2606.0	0.000384	2589.20947	2622.38232
2799.0	0.000356	2590.31689	2622.60620
2613.0	0.000384	2591.43311	2622.87720
2647.0	0.000384	2592.55762	2623.19238
2648.0	0.000384	2593.69043	2623.55005
2635.0	0.000384	2594.83203	2623.94849
2688.0	0.000370	2595.98169	2624.38477
2543.0	0.000400	2597.13989	2624.85864
2679.0	0.000370	2598.30640	2625.36768
2684.0	0.000370	2599.48120	2625.91016
2701.0	0.000370	2600.66431	2626.48535
2732.0	0.000370	2601.85571	2627.09180
2591.0	0.000384	2603.05542	2627.72778
2665.0	0.000370	2604.26318	2628.39282
2675.0	0.000370	2605.47900	2629.08545
2747.0	0.000370	2606.70313	2629.80469
2656.0	0.000370	2607.93506	2630.54956
2600.0	0.000384	2609.17505	2631.31934
2657.0	0.000370	2610.42334	2632.11328
2526.0	0.000400	2611.67944	2632.93042
2656.0	0.000370	2612.94360	2633.77002
2632.0	0.000384	2614.21558	2634.63135
2692.0	0.000370	2615.49536	2635.51392
2709.0	0.000370	2616.78296	2636.41675
2685.0	0.000370	2618.07837	2637.33936
2694.0	0.000370	2619.38159	2638.28149
2631.0	0.000384	2620.69238	2639.24243
2698.0	0.000370	2622.01099	2640.22144
2699.0	0.000370	2623.33740	2641.21875
2606.0	0.000384	2624.67114	2642.23291
2774.0	0.000356	2626.01245	2643.26392
2699.0	0.000370	2627.36133	2644.31152
2619.0	0.000384	2628.71753	2645.37500
2752.0	0.000370	2630.08130	2646.45435
2651.0	0.000384	2631.45264	2647.54907
2668.0	0.000370	2632.83105	2648.65869
2646.0	0.000384	2634.21704	2649.78320
2624.0	0.000384	2635.61011	2650.92163
2689.0	0.000370	2637.01050	2652.07422
2736.0	0.000370	2638.41797	2653.24048
2746.0	0.000370	2639.83252	2654.42017
2684.0	0.000370	2641.25415	2655.61304
2718.0	0.000370	2642.68286	2656.81860
2774.0	0.000356	2644.11890	2658.03735
2713.0	0.000370	2645.56152	2659.26807

2714.0	0.000370	2647.01123	2660.51099
2639.0	0.000384	2648.46777	2661.76587
2661.0	0.000370	2649.93115	2663.03247
2655.0	0.000370	2651.40137	2664.31079
2589.0	0.000384	2652.87793	2665.59985
2697.0	0.000370	2654.36157	2666.90015
2672.0	0.000370	2655.85181	2668.21167
2667.0	0.000370	2657.34863	2669.53394
2717.0	0.000370	2658.85181	2666.11646
2602.0	0.000384	2660.36182	2667.50146
2703.0	0.000370	2661.87817	2668.89600
2746.0	0.000370	2663.40088	2670.29980
2756.0	0.000370	2664.92969	2671.71289
2674.0	0.000370	2666.46509	2673.13550
2724.0	0.000370	2668.00659	2674.56689
2653.0	0.000370	2669.55444	2676.00732
2747.0	0.000370	2671.10840	2677.45654
2800.0	0.000356	2672.66870	2678.91455
2768.0	0.000356	2674.23486	2680.38110
2683.0	0.000370	2675.80713	2681.85596
2670.0	0.000370	2677.38525	2683.33887
2667.0	0.000370	2678.96899	2684.82983
2807.0	0.000356	2680.55884	2686.32886
2744.0	0.000370	2682.15479	2687.83618
2766.0	0.000356	2683.75635	2689.35107
2813.0	0.000356	2685.36353	2690.87354
2751.0	0.000370	2686.97632	2692.40381
2752.0	0.000370	2688.59497	2693.94141
2641.0	0.000384	2690.21899	2695.48633
2714.0	0.000370	2691.84839	2697.03833
2746.0	0.000370	2693.48340	2698.59766
2768.0	0.000356	2695.12378	2700.16406
2746.0	0.000370	2696.76953	2701.73730
2687.0	0.000370	2698.42065	2703.31763
2654.0	0.000370	2700.07715	2704.90479
2716.0	0.000370	2701.73877	2706.49854
2758.0	0.000356	2703.40552	2708.62671
2669.0	0.000370	2705.07690	2710.23682
2725.0	0.000370	2706.75366	2711.85376
2797.0	0.000356	2708.43555	2713.47705
2775.0	0.000356	2710.12256	2715.10693
2702.0	0.000370	2711.81421	2716.74268
2734.0	0.000370	2713.51074	2718.38452
2709.0	0.000370	2715.21191	2720.03198
2726.0	0.000370	2716.91797	2721.68579
2787.0	0.000356	2718.62866	2723.34570
2790.0	0.000356	2720.34351	2725.01025
2723.0	0.000370	2722.06348	2726.68164
2793.0	0.000356	2723.78784	2728.35791
2761.0	0.000356	2725.51685	2730.04028
2705.0	0.000370	2727.25000	2731.72778
2845.0	0.000356	2728.98755	2733.42065
2760.0	0.000356	2730.72949	2735.11890
2715.0	0.000370	2732.47583	2736.82227

2769.0	0.000356	2734.22583	2738.53027
2820.0	0.000356	2735.98022	2740.24390
2654.0	0.000370	2737.73877	2741.96240
2744.0	0.000370	2739.50146	2743.68604
2768.0	0.000356	2741.26807	2745.41431
2770.0	0.000356	2743.03857	2747.14722
2740.0	0.000370	2744.81274	2748.88477
2746.0	0.000370	2746.59106	2750.62720
2746.0	0.000370	2748.37280	2752.37378
2747.0	0.000370	2750.15820	2754.12500
2707.0	0.000370	2751.94751	2755.88086
2803.0	0.000356	2753.74048	2757.64087
2885.0	0.0003429	2755.53687	2759.40503
2787.0	0.000356	2757.33691	2761.17407
2706.0	0.000370	2759.14038	2762.94653
2813.0	0.000356	2760.94702	2764.72339
2789.0	0.000356	2762.75708	2766.50415
2746.0	0.000370	2764.57007	2768.28833
2799.0	0.000356	2766.38647	2770.07690
2851.0	0.000356	2768.20630	2771.86914
2852.0	0.000356	2770.02905	2770.73877
2774.0	0.000356	2771.85498	2772.57080
2785.0	0.000356	2773.68384	2774.40576
2825.0	0.000356	2775.51563	2776.24365
2821.0	0.000356	2777.35034	2778.08447
2861.0	0.000356	2779.18750	2779.92798
2787.0	0.000356	2781.02783	2781.77466
2780.0	0.000356	2782.87085	2783.62427
2800.0	0.000356	2784.71655	2785.47656
2849.0	0.000356	2786.56494	2787.33154
2828.0	0.000356	2788.41577	2789.18896
2768.0	0.000356	2790.26929	2791.04932
2826.0	0.000356	2792.12500	2792.91211
2813.0	0.000356	2793.98315	2794.77710
2793.0	0.000356	2795.84351	2796.64453
2734.0	0.000370	2797.70654	2798.51489
2844.0	0.000356	2799.57153	2800.38721
2729.0	0.000370	2801.43896	2802.26196
2855.0	0.000356	2803.30835	2804.13867
2820.0	0.000356	2805.17993	2806.01782
2854.0	0.000356	2807.05347	2807.89917
2808.0	0.000356	2808.92896	2809.78247
2883.0	0.0003429	2810.80615	2811.66748
2810.0	0.000356	2812.68530	2813.55469
2898.0	0.0003429	2814.56641	2815.44385
2844.0	0.000356	2816.44922	2817.33496
2924.0	0.0003429	2818.33374	2819.22778
2770.0	0.000356	2820.21997	2821.12256
2797.0	0.000356	2822.10767	2823.01880
2849.0	0.000356	2823.99707	2824.91699
2903.0	0.0003429	2825.88770	2826.81641
2803.0	0.000356	2827.77979	2828.71753
2870.0	0.0003429	2829.67334	2830.62012
2851.0	0.000356	2831.56836	2832.52441

2789.0	0.000356	2833.46460	2834.43018
2802.0	0.000356	2835.36206	2836.33716
2911.0	0.0003429	2837.26050	2838.24512
2856.0	0.000356	2839.16040	2840.15479
2861.0	0.000356	2841.06079	2842.06519
2808.0	0.000356	2842.96265	2843.97705
2908.0	0.0003429	2844.86523	2845.88989
2872.0	0.0003429	2846.76904	2847.80420
2840.0	0.000356	2848.67358	2849.71924
2926.0	0.0003429	2850.57861	2851.63501
2895.0	0.0003429	2852.48486	2853.55225
2910.0	0.0003429	2854.39160	2855.46997
2876.0	0.0003429	2856.29883	2857.38843
2838.0	0.000356	2858.20654	2859.30762
2908.0	0.0003429	2860.11499	2861.22754
2900.0	0.0003429	2862.02417	2863.14844
2849.0	0.000356	2863.93359	2865.06982
2871.0	0.0003429	2865.84326	2866.99170
2852.0	0.000356	2867.75342	2868.91431
2885.0	0.0003429	2869.66406	2870.83740
2890.0	0.0003429	2871.57471	2872.76074
2926.0	0.0003429	2873.48511	2874.68408
2838.0	0.000356	2875.39624	2876.60840
2818.0	0.000356	2877.30713	2878.53271
2921.0	0.0003429	2879.21826	2880.45752
2923.0	0.0003429	2881.12939	2882.38257
2896.0	0.0003429	2883.04053	2884.30762
2937.0	0.0003429	2884.95142	2886.23291
2924.0	0.0003429	2886.86206	2888.15796
2958.0	0.0003429	2888.77222	2890.08301
2845.0	0.000356	2890.68237	2892.00830
2867.0	0.0003429	2892.59229	2893.93335
3004.0	0.0003306	2894.50195	2895.85864
2941.0	0.0003429	2896.41089	2897.78345
2951.0	0.0003429	2898.31958	2899.70825
2947.0	0.0003429	2900.22778	2901.63306
2930.0	0.0003429	2902.13525	2903.55713
2953.0	0.0003429	2904.04224	2905.48120
2950.0	0.0003429	2905.94824	2907.40454
2831.0	0.000356	2907.85376	2909.32764
2936.0	0.0003429	2909.75854	2911.25024
2948.0	0.0003429	2911.66260	2913.17261
2885.0	0.0003429	2913.56567	2915.09424
2948.0	0.0003429	2915.46802	2917.01563
2845.0	0.000356	2917.36938	2918.93628
3011.0	0.0003306	2919.26953	2920.85620
2875.0	0.0003429	2921.16846	2922.77515
2961.0	0.0003429	2923.06665	2924.69385
2902.0	0.0003429	2924.96362	2926.61157
2940.0	0.0003429	2926.85938	2928.52856
2936.0	0.0003429	2928.75391	2930.44482
2945.0	0.0003429	2930.64722	2932.36011
2962.0	0.0003429	2932.53931	2934.27466
2963.0	0.0003429	2934.42993	2936.18823

3001.0	0.0003306	2936.31860	2938.10034
2929.0	0.0003429	2938.20630	2940.01196
2904.0	0.0003429	2940.09253	2941.92261
2999.0	0.0003306	2941.97729	2943.83203
2955.0	0.0003429	2943.86011	2945.74023
2977.0	0.0003306	2945.74170	2947.64771
2981.0	0.0003306	2947.62134	2949.55371
2923.0	0.0003429	2949.49927	2951.45874
2923.0	0.0003429	2951.37524	2953.48901
2940.0	0.0003429	2953.24927	2955.39209
2917.0	0.0003429	2955.12183	2957.29419
3022.0	0.0003306	2956.99219	2959.19482
3009.0	0.0003306	2958.86084	2961.09448
3034.0	0.0003306	2960.72729	2962.99268
2982.0	0.0003306	2962.59180	2964.88940
2926.0	0.0003429	2964.45435	2966.78491
2962.0	0.0003429	2966.31445	2968.67871
2911.0	0.0003429	2968.17236	2970.57080
2967.0	0.0003429	2970.02808	2972.46167
2993.0	0.0003306	2971.88159	2974.35132
2983.0	0.0003306	2973.73291	2976.23950
2928.0	0.0003429	2975.58203	2978.12622
3013.0	0.0003306	2977.42847	2980.01099
2935.0	0.0003429	2979.27246	2981.89453
2991.0	0.0003306	2981.11426	2983.77661
2995.0	0.0003306	2982.95288	2985.65649
3035.0	0.0003306	2984.78955	2987.53540
2957.0	0.0003429	2986.62329	2989.41235
2971.0	0.0003306	2988.45459	2991.28809
3038.0	0.0003306	2990.28320	2993.16187
2963.0	0.0003429	2992.10913	2995.03418
2968.0	0.0003429	2993.93213	2996.90479
3009.0	0.0003306	2995.75244	2998.77393
2969.0	0.0003429	2997.56982	3000.64136
2967.0	0.0003429	2999.38428	3002.50708
2985.0	0.0003306	3001.19580	3004.37134
2993.0	0.0003306	3003.00439	3006.23364
2963.0	0.0003429	3004.81006	3008.09473
2984.0	0.0003306	3006.61255	3009.95410
2945.0	0.0003429	3008.41211	3011.81201
3008.0	0.0003306	3010.20850	3014.59839
2958.0	0.0003429	3012.00171	3016.46167
2962.0	0.0003429	3013.79150	3018.32300
3022.0	0.0003306	3015.57813	3020.18311
3063.0	0.0003306	3017.36157	3022.04175
2930.0	0.0003429	3019.14185	3023.89917
3002.0	0.0003306	3020.91870	3025.75513
3036.0	0.0003306	3022.69214	3027.61011
3090.0	0.0003189	3024.46191	3029.46338
3085.0	0.0003189	3026.22852	3031.31592
3007.0	0.0003306	3027.99121	3033.16699
3098.0	0.0003189	3029.75073	3035.01733
3003.0	0.0003306	3031.50659	3036.86670
3032.0	0.0003306	3033.25879	3038.71460

2977.0	0.0003306	3035.00732	3040.56226
3026.0	0.0003306	3036.75244	3042.40869
3052.0	0.0003306	3038.49365	3044.25464
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2956.0	0.0003429	3041.96460	3047.94409
3028.0	0.0003306	3043.69409	3049.78809
3060.0	0.0003306	3045.42017	3051.63184
2997.0	0.0003306	3047.14209	3053.47534
3030.0	0.0003306	3048.86035	3055.31860
3054.0	0.0003306	3050.57446	3057.16211
3058.0	0.0003306	3052.28467	3059.00586
3074.0	0.0003306	3053.99072	3060.84961
3022.0	0.0003306	3055.69287	3062.69434
3097.0	0.0003189	3057.39038	3064.53906
3056.0	0.0003306	3059.08423	3066.38477
3044.0	0.0003306	3060.77393	3068.23193
3063.0	0.0003306	3062.45923	3070.07983
3041.0	0.0003306	3064.14038	3071.92944
3133.0	0.0003189	3065.81738	3073.78125
3007.0	0.0003306	3067.48999	3075.63452
3190.0	0.0003189	3069.15820	3077.48999
3141.0	0.0003189	3070.82178	3079.34790
3171.0	0.0003189	3072.48145	3081.20898
3088.0	0.0003189	3074.13647	3083.07349
3097.0	0.0003189	3075.78711	3084.94141
3272.0	0.0003078	3077.43335	3086.81348
3096.0	0.0003189	3079.07471	3088.68945
3106.0	0.0003189	3080.71191	3090.57056
3170.0	0.0003189	3082.34448	3092.45728
3133.0	0.0003189	3083.97217	3094.34937
3113.0	0.0003189	3085.59521	3096.24805
3162.0	0.0003189	3087.21362	3098.15381
3181.0	0.0003189	3088.82739	3100.06714
3030.0	0.0003306	3090.43652	3101.98926
3135.0	0.0003189	3092.04102	3103.92065
3052.0	0.0003306	3093.64038	3105.86157
3183.0	0.0003189	3095.23511	3107.81372
3072.0	0.0003306	3096.82520	3109.77783
3121.0	0.0003189	3098.40967	3111.75415
3118.0	0.0003189	3099.98975	3113.74487
3204.0	0.0003078	3101.56494	3115.75122
3113.0	0.0003189	3103.13525	3117.77393
3176.0	0.0003189	3104.70044	3119.81494
3075.0	0.0003306	3106.26050	3121.87549
3215.0	0.0003078	3107.81567	3123.95825
3208.0	0.0003078	3109.36572	3126.06470
3116.0	0.0003189	3110.91040	3128.19653
2984.0	0.0003306	3112.45044	3130.35815
3115.0	0.0003189	3113.98511	3132.55176
3132.0	0.0003189	3115.51465	3134.78101
3056.0	0.0003306	3117.03882	3138.95972
3090.0	0.0003189	3118.55786	3141.29175
3119.0	0.0003189	3120.07178	3143.67505
3127.0	0.0003189	3121.58032	3146.11792

3123.0	0.0003189	3123.08350	3148.62891
3162.0	0.0003189	3124.58105	3151.21924
3148.0	0.0003189	3126.07373	3153.90308
3188.0	0.0003189	3127.56104	3156.69604
3155.0	0.0003189	3129.04272	3159.61816
3096.0	0.0003189	3130.51904	3162.69360
3270.0	0.0003078	3131.98999	3165.95142
3197.0	0.0003078	3133.45532	3169.42578
3224.0	0.0003078	3134.91528	3173.15723
3258.0	0.0003078	3136.36938	3177.19434
3166.0	0.0003189	3137.81836	3181.59277
3163.0	0.0003189	3139.26147	3186.41626
3179.0	0.0003189	3140.69922	3191.73706
3212.0	0.0003078	3142.13135	3197.63745
3219.0	0.0003078	3143.55762	3204.20703
3254.0	0.0003078	3144.97852	3211.54346
3372.0	0.0002973	3146.39355	3219.75146
3253.0	0.0003078	3147.80273	3228.94092
3258.0	0.0003078	3149.20654	3239.22363
3226.0	0.0003078	3150.60425	3250.71265
3277.0	0.0003078	3151.99658	3263.51563
3300.0	0.0003078	3153.38306	3277.73413
3299.0	0.0003078	3154.76343	3293.45605
3297.0	0.0003078	3156.13818	3310.75342
3299.0	0.0003078	3157.50708	3329.67432
3367.0	0.0002973	3158.87012	3350.24023
3400.0	0.0002973	3160.22705	3372.43799
3365.0	0.0002973	3161.57837	3396.21655
3479.0	0.0002873	3162.92358	3421.47925
3441.0	0.0002873	3164.26294	3450.60889
3525.0	0.0002873	3165.59644	3478.36328
3568.0	0.0002778	3166.92383	3506.98706
3641.0	0.0002778	3168.24536	3536.14429
3657.0	0.0002778	3169.56055	3565.42310
3686.0	0.0002687	3170.86987	3594.32910
3854.0	0.0002601	3172.17310	3622.28369
3805.0	0.0002601	3173.47021	3648.62793
3825.0	0.0002601	3174.76147	3672.63916
3812.0	0.0002601	3176.04639	3693.56030
3894.0	0.0002601	3177.32544	3710.64941
3891.0	0.0002601	3178.59814	3723.24487
4003.0	0.0002520	3179.86475	3730.83447
3894.0	0.0002601	3181.12476	3733.11938
3952.0	0.0002520	3182.37915	3730.05566
3909.0	0.0002520	3183.62720	3721.85986
3890.0	0.0002601	3184.86890	3708.97827
3878.0	0.0002601	3186.10449	3692.03027
3870.0	0.0002601	3187.33374	3671.73853
3672.0	0.0002687	3188.55664	3648.86108
3654.0	0.0002778	3189.77344	3624.13696
3764.0	0.0002687	3190.98389	3598.24927
3610.0	0.0002778	3192.18774	3571.80420
3686.0	0.0002687	3193.38550	3545.32520
3503.0	0.0002873	3194.57690	3519.25146

3509.0	0.0002873	3195.76196	3493.94385
3440.0	0.0002873	3196.94067	3469.69043
3422.0	0.0002973	3198.11279	3446.71533
3374.0	0.0002973	3199.27881	3425.18359
3377.0	0.0002973	3200.43823	3405.20703
3466.0	0.0002873	3201.59106	3386.85229
3310.0	0.0002973	3202.73755	3370.14404
3384.0	0.0002973	3203.87769	3355.07349
3357.0	0.0002973	3205.01123	3341.59961
3319.0	0.0002973	3206.13843	3329.65869
3392.0	0.0002973	3207.25928	3319.16748
3334.0	0.0002973	3208.37329	3310.02905
3297.0	0.0003078	3209.48096	3302.13623
3181.0	0.0003189	3210.58179	3295.37939
3362.0	0.0002973	3211.67651	3289.64551
3305.0	0.0003078	3212.76440	3284.82349
3258.0	0.0003078	3213.84595	3280.80737
3324.0	0.0002973	3214.92090	3277.49731
3405.0	0.0002973	3215.98901	3274.80029
3147.0	0.0003189	3217.05078	3272.63306
3327.0	0.0002973	3218.10571	3270.91943
3442.0	0.0002873	3219.15430	3269.59326
3352.0	0.0002973	3220.19580	3268.59668
3333.0	0.0002973	3221.23096	3267.87891
3298.0	0.0003078	3222.25952	3267.39819
3334.0	0.0002973	3223.28149	3267.11743
3273.0	0.0003078	3224.29663	3267.00635
3167.0	0.0003189	3225.30518	3267.04077
3271.0	0.0003078	3226.30713	3267.19873
3211.0	0.0003078	3227.30225	3267.46436
3274.0	0.0003078	3228.29028	3267.82251
3263.0	0.0003078	3229.27222	3268.26318
3291.0	0.0003078	3230.24707	3268.77612
3233.0	0.0003078	3231.21533	3269.35474
3316.0	0.0002973	3232.17700	3269.99292
3223.0	0.0003078	3233.13159	3270.68555
3410.0	0.0002973	3234.07959	3271.42871
3291.0	0.0003078	3235.02100	3272.21973
3302.0	0.0003078	3235.95532	3273.05640
3271.0	0.0003078	3236.88281	3273.93530
3400.0	0.0002973	3237.80396	3274.85693
3337.0	0.0002973	3238.71802	3275.81860
3361.0	0.0002973	3239.62524	3276.82080
3299.0	0.0003078	3240.52588	3277.86230
3365.0	0.0002973	3241.41968	3278.94287
3443.0	0.0002873	3242.30640	3280.06274
3300.0	0.0003078	3243.18652	3281.22217
3337.0	0.0002973	3244.05957	3282.42139
3381.0	0.0002973	3244.92603	3283.66187
3402.0	0.0002973	3245.78564	3284.94409
3240.0	0.0003078	3246.63843	3286.27026
3310.0	0.0002973	3247.48413	3287.63989
3369.0	0.0002973	3248.32324	3289.05664
3390.0	0.0002973	3249.15527	3290.52222

3291.0	0.0003078	3249.98071	3292.03882
3365.0	0.0002973	3250.79883	3293.60913
3346.0	0.0002973	3251.61060	3295.23657
3442.0	0.0002873	3252.41504	3296.92529
3431.0	0.0002873	3253.21289	3298.67798
3277.0	0.0003078	3254.00391	3300.50024
3313.0	0.0002973	3254.78784	3302.39697
3443.0	0.0002873	3255.56494	3304.37354
3437.0	0.0002873	3256.33521	3306.43652
3539.0	0.0002873	3257.09839	3308.59326
3361.0	0.0002973	3257.85474	3310.85229
3411.0	0.0002973	3258.60425	3316.03638
3378.0	0.0002973	3259.34692	3318.54785
3370.0	0.0002973	3260.08252	3321.19263
3425.0	0.0002873	3260.81128	3323.98413
3313.0	0.0002973	3261.53320	3326.93701
3534.0	0.0002873	3262.24829	3330.06958
3386.0	0.0002973	3262.95630	3333.40039
3336.0	0.0002973	3263.65723	3336.95459
3383.0	0.0002973	3264.35132	3340.75903
3335.0	0.0002973	3265.03857	3344.84863
3484.0	0.0002873	3265.71899	3349.26367
3430.0	0.0002873	3266.39233	3354.05640
3526.0	0.0002873	3267.05884	3359.29346
3440.0	0.0002873	3267.71826	3365.06030
3460.0	0.0002873	3268.37085	3371.46973
3456.0	0.0002873	3269.01636	3378.66724
3395.0	0.0002973	3269.65527	3386.84814
3591.0	0.0002778	3270.28687	3396.26172
3475.0	0.0002873	3270.91187	3407.23267
3493.0	0.0002873	3271.52979	3420.16895
3527.0	0.0002873	3272.14063	3435.57324
3630.0	0.0002778	3272.74487	3454.05518
3431.0	0.0002873	3273.34204	3476.32300
3546.0	0.0002778	3273.93213	3503.17725
3593.0	0.0002778	3274.51538	3535.48413
3614.0	0.0002778	3275.09155	3574.13574
3587.0	0.0002778	3275.66113	3619.99438
3601.0	0.0002778	3276.22363	3673.81885
3566.0	0.0002778	3276.77905	3736.17798
3739.0	0.0002687	3277.32788	3807.35205
3841.0	0.0002601	3277.86938	3887.20532
3867.0	0.0002601	3278.40430	3975.04736
3914.0	0.0002520	3278.93213	4069.43066
3897.0	0.0002601	3279.45288	4167.91309
3992.0	0.0002520	3279.96704	4266.77002
4136.0	0.0002441	3280.47412	4360.77539
4188.0	0.0002367	3280.97437	4443.26709
4241.0	0.0002367	3281.46753	4506.80518
4249.0	0.0002367	3281.95410	4544.59668
4240.0	0.0002367	3282.43359	4552.37598
4253.0	0.0002367	3282.90601	4529.84570
4344.0	0.0002296	3283.37158	4480.79297
4269.0	0.0002367	3283.83032	4411.79199

4232.0	0.0002367	3284.28223	4330.32666
4113.0	0.0002441	3284.72729	4243.25195
4151.0	0.0002441	3285.16553	4156.02197
4010.0	0.0002520	3285.59668	4072.55493
3958.0	0.0002520	3286.02100	3995.41895
4023.0	0.0002520	3286.43848	3926.11865
3869.0	0.0002601	3286.84912	3865.33813
3963.0	0.0002520	3287.25293	3813.14136
3961.0	0.0002520	3287.64990	3769.12451
3897.0	0.0002601	3288.03979	3732.54224
3967.0	0.0002520	3288.42310	3702.42261
3998.0	0.0002520	3288.79932	3677.67065
3959.0	0.0002520	3289.16870	3657.17188
3890.0	0.0002601	3289.53149	3639.87866
4052.0	0.0002441	3289.88721	3624.88110
3977.0	0.0002520	3290.23608	3611.45508
4011.0	0.0002520	3290.57837	3599.07813
4008.0	0.0002520	3290.91382	3587.41602
3994.0	0.0002520	3291.24219	3576.29419
3902.0	0.0002601	3291.56396	3565.65552
3882.0	0.0002601	3291.87891	3555.52051
3871.0	0.0002601	3292.18701	3545.95361
3723.0	0.0002687	3292.48828	3537.04199
3745.0	0.0002687	3292.78296	3528.87695
3781.0	0.0002687	3293.07080	3521.54761
3654.0	0.0002778	3293.35181	3515.13550
3814.0	0.0002601	3293.62598	3509.71338
3725.0	0.0002687	3293.89355	3505.34741
3700.0	0.0002687	3294.15430	3502.09375
3651.0	0.0002778	3294.40820	3500.00513
3635.0	0.0002778	3294.65552	3499.13184
3567.0	0.0002778	3294.89600	3499.52588
3653.0	0.0002778	3295.12988	3501.24609
3654.0	0.0002778	3295.35693	3504.36523
3641.0	0.0002778	3295.57739	3508.98071
3649.0	0.0002778	3295.79102	3515.22314
3651.0	0.0002778	3295.99805	3523.27783
3643.0	0.0002778	3296.19824	3533.40088
3691.0	0.0002687	3296.39185	3545.94556
3616.0	0.0002778	3296.57886	3561.39307
3683.0	0.0002687	3296.75928	3580.38599
3782.0	0.0002687	3296.93286	3603.76147
3775.0	0.0002687	3297.09985	3632.58325
3803.0	0.0002601	3297.26025	3668.16309
3790.0	0.0002601	3297.41406	3712.06592
3845.0	0.0002601	3297.56104	3766.09033
3983.0	0.0002520	3297.70166	3832.21362
4021.0	0.0002520	3297.83545	3912.50317
4097.0	0.0002441	3297.96289	4008.98267
4174.0	0.0002367	3298.08350	4123.45410
4191.0	0.0002367	3298.19775	4257.28320
4389.0	0.0002296	3298.30518	4411.13818
4348.0	0.0002296	3298.40625	4584.66309
4477.0	0.0002228	3298.50073	4776.05811

4649.0	0.0002163	3298.58862	4981.51514
4803.0	0.0002100	3298.66992	5194.47705
5086.0	0.0001984	3298.74487	5404.82959
5148.0	0.0001929	3298.81323	5598.40918
5430.0	0.0001826	3298.87524	5757.61914
5534.0	0.0001826	3298.93042	5864.03662
5537.0	0.0001826	3298.97949	5903.07178
5654.0	0.0001778	3299.02173	5868.89453
5558.0	0.0001778	3299.05786	5766.68994
5377.0	0.0001877	3299.08740	5610.64355
5225.0	0.0001929	3299.11035	5419.09180
5007.0	0.0001984	3299.12695	5209.77930
4800.0	0.0002100	3299.13721	4997.10742
4565.0	0.0002163	3299.14087	4791.42480
4381.0	0.0002296	3299.13843	4599.47803
4255.0	0.0002367	3299.12939	4425.21582
4203.0	0.0002367	3299.11401	4270.53809
4097.0	0.0002441	3299.09229	4135.86670
3970.0	0.0002520	3299.06421	4020.58057
3967.0	0.0002520	3299.02979	3923.33960
3843.0	0.0002601	3298.98901	3842.35010
3825.0	0.0002601	3298.94189	3775.58521
3790.0	0.0002601	3298.88843	3720.96045
3689.0	0.0002687	3298.82861	3676.47290
3716.0	0.0002687	3298.76270	3640.29102
3634.0	0.0002778	3298.69043	3610.81152
3677.0	0.0002687	3298.61206	3586.67944
3625.0	0.0002778	3298.52710	3566.78662
3617.0	0.0002778	3298.43604	3550.24951
3613.0	0.0002778	3298.33887	3536.37939
3635.0	0.0002778	3298.23535	3524.64722
3575.0	0.0002778	3298.12573	3514.65356
3614.0	0.0002778	3298.00977	3506.09668
3616.0	0.0002778	3297.88770	3498.74927
3600.0	0.0002778	3297.75952	3492.43970
3500.0	0.0002873	3297.62500	3487.03687
3623.0	0.0002778	3297.48462	3482.43896
3549.0	0.0002778	3297.33789	3478.56665
3623.0	0.0002778	3297.18506	3475.35620
3556.0	0.0002778	3297.02612	3472.75635
3529.0	0.0002873	3296.86108	3470.72778
3657.0	0.0002778	3296.68994	3469.23730
3525.0	0.0002873	3296.51294	3468.26099
3560.0	0.0002778	3296.32959	3467.77905
3538.0	0.0002873	3296.14038	3467.77856
3620.0	0.0002778	3295.94507	3468.25220
3625.0	0.0002778	3295.74390	3469.19775
3518.0	0.0002873	3295.53638	3470.61792
3530.0	0.0002873	3295.32324	3472.52271
3614.0	0.0002778	3295.10376	3474.92603
3627.0	0.0002778	3294.87866	3477.85254
3680.0	0.0002687	3294.64746	3481.33301
3601.0	0.0002778	3294.41016	3485.41040
3663.0	0.0002687	3294.16724	3490.13989

3662.0	0.0002687	3293.91821	3495.59277
3629.0	0.0002778	3293.66333	3501.86108
3668.0	0.0002687	3293.40259	3509.06201
3703.0	0.0002687	3293.13574	3517.34180
3656.0	0.0002778	3292.86328	3526.88477
3702.0	0.0002687	3292.58496	3537.91992
3732.0	0.0002687	3292.30078	3550.72754
3711.0	0.0002687	3292.01099	3565.64990
3758.0	0.0002687	3291.71509	3583.09668
3699.0	0.0002687	3291.41357	3603.55420
3801.0	0.0002601	3291.10620	3627.58936
3827.0	0.0002601	3290.79297	3655.85376
3809.0	0.0002601	3290.47412	3689.08032
3865.0	0.0002601	3290.14941	3728.08057
3930.0	0.0002520	3289.81934	3773.72876
3893.0	0.0002601	3289.48315	3826.94580
4060.0	0.0002441	3289.14160	3888.67334
4075.0	0.0002441	3288.79419	3959.83984
4144.0	0.0002441	3288.44116	4041.31616
4162.0	0.0002367	3288.08228	4133.87402
4278.0	0.0002367	3287.71802	4238.12842
4363.0	0.0002296	3287.34814	4354.47949
4449.0	0.0002228	3286.97266	4483.05371
4615.0	0.0002163	3286.59155	4623.63184
4629.0	0.0002163	3286.20483	4775.58350
4808.0	0.0002100	3285.81250	4937.78223
4921.0	0.0002041	3285.41479	5108.51172
5190.0	0.0001929	3285.01147	5285.36182
5218.0	0.0001929	3284.60254	5465.10693
5480.0	0.0001826	3284.18823	5643.59229
5689.0	0.0001778	3283.76831	5815.65381
5924.0	0.0001687	3283.34326	5975.15283
6103.0	0.0001644	3282.91260	6115.18506
6327.0	0.0001562	3282.47632	6228.56934
6429.0	0.0001562	3282.03467	6308.61279
6605.0	0.0001524	3281.58789	6350.06543
6671.0	0.0001487	3281.13550	6350.01514
6705.0	0.0001487	3280.67749	6308.44873
6613.0	0.0001524	3280.21460	6228.25098
6485.0	0.0001524	3279.74609	6114.65674
6198.0	0.0001602	3279.27222	5974.35010
5993.0	0.0001687	3278.79321	5814.51270
5832.0	0.0001731	3278.30884	5642.05273
5628.0	0.0001778	3277.81909	5463.11914
5243.0	0.0001929	3277.32422	5282.88574
4996.0	0.0001984	3276.82397	5105.51709
4780.0	0.0002100	3276.31860	4934.24805
4610.0	0.0002163	3275.80786	4770.96729
4375.0	0.0002296	3275.29199	4618.45947
4232.0	0.0002367	3274.77100	4477.32373
4082.0	0.0002441	3274.24487	4348.19629
4086.0	0.0002441	3273.71338	4231.29883
4017.0	0.0002520	3273.17700	4126.51025
3972.0	0.0002520	3272.63525	4033.43140

3802.0	0.0002601	3272.08838	3951.45068
3773.0	0.0002687	3271.53662	3879.79980
3722.0	0.0002687	3270.97974	3817.60669
3663.0	0.0002687	3270.41772	3763.94531
3736.0	0.0002687	3269.85083	3717.87573
3715.0	0.0002687	3269.27881	3678.47583
3635.0	0.0002778	3268.70166	3644.87183
3738.0	0.0002687	3268.11963	3616.25293
3631.0	0.0002778	3267.53247	3591.88550
3596.0	0.0002778	3266.94043	3571.11963
3550.0	0.0002778	3266.34351	3553.38696
3632.0	0.0002778	3265.74170	3538.20288
3552.0	0.0002778	3265.13477	3525.15601
3540.0	0.0002873	3264.52319	3513.90625
3512.0	0.0002873	3263.90649	3504.17261
3587.0	0.0002778	3263.28516	3495.72754
3512.0	0.0002873	3262.65869	3488.38672
3600.0	0.0002778	3262.02759	3482.00439
3455.0	0.0002873	3261.39185	3476.46460
3554.0	0.0002778	3260.75122	3471.67603
3560.0	0.0002778	3260.10547	3467.56738
3620.0	0.0002778	3259.45532	3464.08472
3464.0	0.0002873	3258.80005	3461.18530
3520.0	0.0002873	3258.14038	3458.83887
3604.0	0.0002778	3257.47583	3457.02173
3573.0	0.0002778	3256.80664	3455.72021
3537.0	0.0002873	3256.13281	3454.92334
3479.0	0.0002873	3255.45410	3454.62817
3630.0	0.0002778	3254.77100	3454.83765
3610.0	0.0002778	3254.08301	3455.55713
3562.0	0.0002778	3253.39063	3456.79932
3545.0	0.0002778	3252.69360	3458.58130
3653.0	0.0002778	3251.99194	3460.92725
3504.0	0.0002873	3251.28564	3463.86792
3480.0	0.0002873	3250.57471	3467.44263
3585.0	0.0002778	3249.85962	3471.70215
3578.0	0.0002778	3249.13989	3476.71045
3533.0	0.0002873	3248.41553	3482.54663
3729.0	0.0002687	3247.68652	3489.31299
3703.0	0.0002687	3246.95337	3497.13867
3636.0	0.0002778	3246.21558	3506.18628
3488.0	0.0002873	3245.47339	3516.66211
3715.0	0.0002687	3244.72681	3528.82446
3787.0	0.0002601	3243.97583	3542.99756
3721.0	0.0002687	3243.22046	3559.58105
3682.0	0.0002687	3242.46069	3579.06567
3787.0	0.0002601	3241.69653	3602.04395
3762.0	0.0002687	3240.92798	3629.22266
3900.0	0.0002601	3240.15527	3661.42993
3936.0	0.0002520	3239.37817	3699.61841
3905.0	0.0002601	3238.59692	3744.86108
3961.0	0.0002520	3237.81128	3798.33984
4119.0	0.0002441	3237.02148	3861.32275
4096.0	0.0002441	3236.22729	3935.12720

4099.0	0.0002441	3235.42896	4021.07739
4193.0	0.0002367	3234.62646	4120.44043
4284.0	0.0002367	3233.81982	4234.35938
4371.0	0.0002296	3233.00879	4363.76709
4567.0	0.0002163	3232.19385	4509.30029
4803.0	0.0002100	3231.37476	4671.19678
4798.0	0.0002100	3230.55151	4849.18359
4868.0	0.0002041	3229.72412	5042.35400
5074.0	0.0001984	3228.89282	5249.01855
5268.0	0.0001877	3228.05713	5466.52295
5304.0	0.0001877	3227.21753	5691.04150
5659.0	0.0001778	3226.37402	5917.34424
5951.0	0.0001687	3225.52637	6138.59326
5970.0	0.0001687	3224.67480	6346.27930
6227.0	0.0001602	3223.81934	6530.43994
6496.0	0.0001524	3222.95972	6680.35205
6610.0	0.0001524	3222.09619	6785.76367
6834.0	0.0001452	3221.22876	6838.52441
6762.0	0.0001487	3220.35742	6834.19385
6622.0	0.0001524	3219.48218	6773.01318
6763.0	0.0001487	3218.60303	6659.85352
6650.0	0.0001487	3217.71997	6503.14990
6247.0	0.0001602	3216.83325	6313.27148
6084.0	0.0001644	3215.94263	6100.91113
5826.0	0.0001731	3215.04810	5875.90381
5486.0	0.0001826	3214.14990	5646.59521
5233.0	0.0001929	3213.24780	5419.65234
5034.0	0.0001984	3212.34204	5200.15479
4655.0	0.0002163	3211.43237	4991.79785
4629.0	0.0002163	3210.51904	4797.12695
4336.0	0.0002296	3209.60205	4617.74561
4096.0	0.0002441	3208.68164	4454.63721
4026.0	0.0002520	3207.75708	4307.71924
4104.0	0.0002441	3206.82910	4176.85547
3731.0	0.0002687	3205.89746	4061.37354
3772.0	0.0002687	3204.96191	3960.31079
3874.0	0.0002601	3204.02319	3872.50806
3742.0	0.0002687	3203.08057	3796.68579
3727.0	0.0002687	3202.13452	3731.51782
3603.0	0.0002778	3201.18481	3675.68384
3544.0	0.0002778	3200.23169	3627.92261
3519.0	0.0002873	3199.27490	3587.05786
3510.0	0.0002873	3198.31470	3552.02539
3533.0	0.0002873	3197.35083	3521.88110
3526.0	0.0002873	3196.38379	3495.80615
3502.0	0.0002873	3195.41309	3473.10156
3445.0	0.0002873	3194.43896	3453.18140
3524.0	0.0002873	3193.46143	3435.56006
3360.0	0.0002973	3192.48047	3419.83984
3467.0	0.0002873	3191.49609	3405.70044
3349.0	0.0002973	3190.50830	3392.88208
3367.0	0.0002973	3189.51733	3381.17773
3397.0	0.0002973	3188.52271	3370.42139
3395.0	0.0002973	3187.52515	3360.48022

3369.0	0.0002973	3186.52393	3351.24731
3359.0	0.0002973	3185.51953	3342.63525
3404.0	0.0002973	3184.51196	3334.57251
3444.0	0.0002873	3183.50098	3327.00049
3342.0	0.0002973	3182.48682	3319.86914
3349.0	0.0002973	3181.46948	3313.13696
3227.0	0.0003078	3180.44873	3306.76563
3205.0	0.0003078	3179.42480	3300.72485
3365.0	0.0002973	3178.39795	3294.98657
3250.0	0.0003078	3177.36768	3289.52539
3252.0	0.0003078	3176.33472	3284.31958
3285.0	0.0003078	3175.29810	3279.34937
3438.0	0.0002873	3174.25854	3274.59595
3323.0	0.0002973	3173.21582	3270.04395
3400.0	0.0002973	3172.17017	3265.67798
3361.0	0.0002973	3171.12134	3261.48511
3279.0	0.0003078	3170.06958	3257.45288
3263.0	0.0003078	3169.01465	3253.56982
3299.0	0.0003078	3167.95654	3249.82568
3214.0	0.0003078	3166.89575	3243.67310
3247.0	0.0003078	3165.83203	3240.20068
3237.0	0.0003078	3164.76514	3236.84082
3314.0	0.0002973	3163.69507	3233.58643
3352.0	0.0002973	3162.62231	3230.43091
3349.0	0.0002973	3161.54663	3227.36768
3288.0	0.0003078	3160.46802	3224.39136
3242.0	0.0003078	3159.38672	3221.49634
3262.0	0.0003078	3158.30249	3218.67798
3223.0	0.0003078	3157.21509	3215.93140
3276.0	0.0003078	3156.12524	3213.25244
3094.0	0.0003189	3155.03223	3210.63696
3225.0	0.0003078	3153.93652	3208.08179
3227.0	0.0003078	3152.83789	3205.58276
3373.0	0.0002973	3151.73657	3203.13745
3180.0	0.0003189	3150.63257	3200.74219
3105.0	0.0003189	3149.52612	3198.39526
3131.0	0.0003189	3148.41650	3196.09277
3260.0	0.0003078	3147.30420	3193.83325
3239.0	0.0003078	3146.18921	3191.61353
3211.0	0.0003078	3145.07153	3189.43237
3207.0	0.0003078	3143.95142	3187.28760
3185.0	0.0003189	3142.82837	3185.17700
3238.0	0.0003078	3141.70288	3183.09888
3110.0	0.0003189	3140.57446	3181.05151
3197.0	0.0003078	3139.44385	3179.03394
3283.0	0.0003078	3138.31055	3177.04443
3121.0	0.0003189	3137.17456	3175.08105
3284.0	0.0003078	3136.03589	3173.14307
3139.0	0.0003189	3134.89478	3171.22876
3169.0	0.0003189	3133.75122	3169.33765
3179.0	0.0003189	3132.60498	3167.46802
3228.0	0.0003078	3131.45630	3165.61938
3236.0	0.0003078	3130.30542	3163.79053
3221.0	0.0003078	3129.15186	3161.98047

3197.0	0.0003078	3127.99561	3160.18799
3233.0	0.0003078	3126.83740	3158.41333
3254.0	0.0003078	3125.67627	3156.65430
3118.0	0.0003189	3124.51294	3154.91138
3117.0	0.0003189	3123.34741	3153.18359
3228.0	0.0003078	3122.17920	3151.46973
3097.0	0.0003189	3121.00903	3149.76978
3216.0	0.0003078	3119.83618	3148.08228
3173.0	0.0003189	3118.66113	3146.40771
3224.0	0.0003078	3117.48364	3144.74487
3116.0	0.0003189	3116.30371	3143.09351
3163.0	0.0003189	3115.12183	3141.45313
3207.0	0.0003078	3113.93726	3139.82275
3148.0	0.0003189	3112.75073	3138.20288
3198.0	0.0003078	3111.56201	3136.59253
3246.0	0.0003078	3110.37109	3134.99121
3156.0	0.0003189	3109.17773	3133.39868
3191.0	0.0003189	3107.98242	3131.81470
3116.0	0.0003189	3106.78467	3130.23877
3120.0	0.0003189	3105.58496	3128.67065
3125.0	0.0003189	3104.38281	3127.10962
3203.0	0.0003078	3103.17871	3125.55591
3175.0	0.0003189	3101.97266	3124.00952
3128.0	0.0003189	3100.76440	3122.46948
3168.0	0.0003189	3099.55396	3120.93530
3088.0	0.0003189	3098.34131	3119.40747
3152.0	0.0003189	3097.12671	3117.88525
3201.0	0.0003078	3095.91016	3116.36914
3144.0	0.0003189	3094.69141	3114.85791
3161.0	0.0003189	3093.47046	3113.35181
3204.0	0.0003078	3092.24780	3111.85107
3150.0	0.0003189	3091.02319	3110.35522
3144.0	0.0003189	3089.79639	3108.86328
3077.0	0.0003306	3088.56787	3107.37646
3159.0	0.0003189	3087.33716	3105.89380
3250.0	0.0003078	3086.10449	3104.41479
3149.0	0.0003189	3084.87012	3102.94043
3164.0	0.0003189	3083.63354	3101.46924
3180.0	0.0003189	3082.39526	3100.00195
3101.0	0.0003189	3081.15503	3098.53833
2951.0	0.0003429	3079.91309	3097.07837
3129.0	0.0003189	3078.66919	3095.62109
3162.0	0.0003189	3077.42334	3094.16724
3123.0	0.0003189	3076.17554	3092.71631
3115.0	0.0003189	3074.92627	3091.26855
3199.0	0.0003078	3073.67480	3089.82373
3179.0	0.0003189	3072.42188	3088.38159
3101.0	0.0003189	3071.16699	3086.94238
3033.0	0.0003306	3069.91064	3085.50586
3117.0	0.0003189	3068.65234	3084.07129
3106.0	0.0003189	3067.39233	3082.63965
3083.0	0.0003189	3066.13037	3081.21021
3204.0	0.0003078	3064.86694	3079.78345
3090.0	0.0003189	3063.60156	3078.35840

3060.0	0.0003306	3062.33472	3076.93604
3147.0	0.0003189	3061.06616	3075.51563
3156.0	0.0003189	3059.79614	3074.09741
3128.0	0.0003189	3058.52441	3072.68115
3113.0	0.0003189	3057.25098	3071.26733
3121.0	0.0003189	3055.97559	3069.85474
3067.0	0.0003306	3054.69897	3068.44458
2991.0	0.0003306	3053.42065	3067.03613
3122.0	0.0003189	3052.14087	3065.63013
3140.0	0.0003189	3050.85938	3064.22534
3085.0	0.0003189	3049.57617	3062.82275
3087.0	0.0003189	3048.29199	3061.42212
3113.0	0.0003189	3047.00586	3060.02319
3031.0	0.0003306	3045.71826	3058.62598
3087.0	0.0003189	3044.42920	3057.23096
3088.0	0.0003189	3043.13867	3055.83765
3079.0	0.0003306	3041.84668	3054.44580
3130.0	0.0003189	3040.55298	3053.05591
3043.0	0.0003306	3039.25806	3051.66846
3151.0	0.0003189	3037.96191	3050.28271
3034.0	0.0003306	3036.66406	3048.89868
3090.0	0.0003189	3035.36475	3047.51660
3100.0	0.0003189	3034.06421	3046.13696
3115.0	0.0003189	3032.76221	3044.75903
3082.0	0.0003189	3031.45874	3043.38306
2995.0	0.0003306	3030.15381	3042.00952
3081.0	0.0003189	3028.84790	3040.63818
3054.0	0.0003306	3027.54053	3039.26904
2984.0	0.0003306	3026.23193	3037.90259
3074.0	0.0003306	3024.92163	3036.53833
3077.0	0.0003306	3023.61035	3035.17725
3083.0	0.0003189	3022.29761	3033.81836
3156.0	0.0003189	3020.98364	3032.46240
3089.0	0.0003189	3019.66821	3031.10913
3071.0	0.0003306	3018.35181	3029.75952
3094.0	0.0003189	3017.03394	3028.41260
2994.0	0.0003306	3015.71533	3027.07007
3101.0	0.0003189	3014.39502	3025.73071
3083.0	0.0003189	3013.07349	3024.39526
3113.0	0.0003189	3011.75098	3023.06396
3037.0	0.0003306	3010.42725	3021.73730
3140.0	0.0003189	3009.10229	3017.86792
3070.0	0.0003306	3007.77612	3016.56934
3033.0	0.0003306	3006.44873	3015.27563
3100.0	0.0003189	3005.12061	3013.98804
3004.0	0.0003306	3003.79102	3012.70630
3087.0	0.0003189	3002.46045	3011.43066
2981.0	0.0003306	3001.12866	3010.16260
3066.0	0.0003306	2999.79565	3008.90137
3008.0	0.0003306	2998.46167	3007.64893
3025.0	0.0003306	2997.12671	3006.40527
3105.0	0.0003189	2995.79053	3005.17114
2928.0	0.0003429	2994.45386	3003.94849
3097.0	0.0003189	2993.11548	3002.73633

3091.0	0.0003189	2991.77637	3001.53735
3048.0	0.0003306	2990.43604	3000.35205
3025.0	0.0003306	2989.09497	2999.18237
3004.0	0.0003306	2987.75269	2998.02881
3059.0	0.0003306	2986.40942	2996.89404
3012.0	0.0003306	2985.06519	2995.77930
3077.0	0.0003306	2983.72021	2994.68774
3063.0	0.0003306	2982.37427	2993.62109
3036.0	0.0003306	2981.02734	2992.58252
3012.0	0.0003306	2979.67920	2991.57471
3042.0	0.0003306	2978.33032	2990.60205
2985.0	0.0003306	2976.98071	2989.66919
3040.0	0.0003306	2975.62988	2988.78052
3097.0	0.0003189	2974.27832	2987.94287
3022.0	0.0003306	2972.92578	2987.16382
3034.0	0.0003306	2971.57275	2986.45264
3036.0	0.0003306	2970.21851	2985.82104
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3123.0	0.0003189	2967.50757	2984.86328
3068.0	0.0003306	2966.15088	2984.58325
3116.0	0.0003189	2964.79346	2984.47925
3064.0	0.0003306	2963.43506	2984.59619
3080.0	0.0003306	2962.07593	2984.99292
3072.0	0.0003306	2960.71631	2985.74414
2988.0	0.0003306	2959.35547	2986.94263
3109.0	0.0003189	2957.99414	2988.70142
3099.0	0.0003189	2956.63184	2991.15234
3143.0	0.0003189	2955.26904	2994.44580
3133.0	0.0003189	2953.90527	2998.74243
3105.0	0.0003189	2952.54077	3004.20825
3149.0	0.0003189	2951.17554	3011.00073
3135.0	0.0003189	2949.80981	3019.25415
3174.0	0.0003189	2948.44336	3029.06055
3160.0	0.0003189	2947.07617	3040.44458
3192.0	0.0003189	2945.70825	3053.33228
3202.0	0.0003078	2944.33960	3067.50537
3250.0	0.0003078	2942.97046	3082.54126
3232.0	0.0003078	2941.60059	3097.73584
3291.0	0.0003078	2940.22998	3112.04126
3270.0	0.0003078	2938.85864	3124.07593
3287.0	0.0003078	2937.48706	3132.29199
3316.0	0.0002973	2936.11475	3135.33862
3302.0	0.0003078	2934.74170	3132.51611
3245.0	0.0003078	2933.36792	3124.05298
3241.0	0.0003078	2931.99390	3111.01221
3226.0	0.0003078	2930.61890	3094.89429
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3163.0	0.0003189	2925.11426	3025.26245
3059.0	0.0003306	2923.73682	3010.26880
3075.0	0.0003306	2922.35864	2996.82910
3010.0	0.0003306	2920.97998	2984.96509
3062.0	0.0003306	2919.60083	2974.61694

3058.0	0.0003306	2918.22119	2965.66968
3046.0	0.0003306	2916.84106	2957.97559
2963.0	0.0003429	2915.46045	2951.37183
2978.0	0.0003306	2914.07983	2945.69385
2872.0	0.0003429	2912.69824	2940.78394
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2981.0	0.0003306	2908.55078	2929.34375
2972.0	0.0003306	2907.16748	2926.28198
2987.0	0.0003306	2905.78369	2923.47021
2922.0	0.0003429	2904.39941	2920.85645
2968.0	0.0003429	2903.01514	2918.40137
2909.0	0.0003429	2901.63013	2916.07397
2988.0	0.0003306	2900.24463	2913.85132
2936.0	0.0003429	2898.85889	2911.71631
2907.0	0.0003429	2897.47290	2909.65552
2937.0	0.0003429	2896.08618	2907.65723
2964.0	0.0003429	2894.69946	2905.71411
2959.0	0.0003429	2893.31226	2903.81885
2922.0	0.0003429	2891.92480	2901.96582
2884.0	0.0003429	2890.53687	2903.45068
2959.0	0.0003429	2889.14868	2901.69189
2944.0	0.0003429	2887.76001	2899.96313
2930.0	0.0003429	2886.37109	2895.42896
3019.0	0.0003306	2884.98193	2893.77173
2876.0	0.0003429	2883.59253	2892.13672
2948.0	0.0003429	2882.20264	2890.52100
2884.0	0.0003429	2880.81250	2888.92310
2929.0	0.0003429	2879.42236	2887.34180
2948.0	0.0003429	2878.03174	2885.77490
2911.0	0.0003429	2876.64087	2884.22168
2843.0	0.000356	2875.24976	2882.68066
2812.0	0.000356	2873.85840	2881.15112
2870.0	0.0003429	2872.46655	2880.42285
2911.0	0.0003429	2871.07471	2878.91870
2926.0	0.0003429	2869.68262	2877.42383
2870.0	0.0003429	2868.29053	2875.93701
2870.0	0.0003429	2866.89795	2874.45801
2865.0	0.0003429	2865.50513	2872.98584
2910.0	0.0003429	2864.11230	2871.52026
2928.0	0.0003429	2862.71899	2870.06079
2955.0	0.0003429	2861.32568	2868.60693
2864.0	0.0003429	2859.93213	2867.15845
2904.0	0.0003429	2858.53833	2865.71509
2920.0	0.0003429	2857.14478	2864.27686
2922.0	0.0003429	2855.75073	2862.84277
2926.0	0.0003429	2854.35645	2861.41260
2842.0	0.000356	2852.96216	2859.98657
2908.0	0.0003429	2851.56763	2858.56421
2855.0	0.000356	2850.17310	2857.14551
2898.0	0.0003429	2848.77832	2855.72974
2899.0	0.0003429	2847.38354	2854.31738
2859.0	0.000356	2845.98853	2852.90796
2852.0	0.000356	2844.59351	2851.50146

2922.0	0.0003429	2843.19849	2850.09814
2836.0	0.000356	2841.80322	2848.69702
2771.0	0.000356	2840.40771	2847.29810
2915.0	0.0003429	2839.01221	2845.90210
2910.0	0.0003429	2837.61646	2844.50806
2791.0	0.000356	2836.22095	2843.11646
2788.0	0.000356	2834.82520	2841.72681
2909.0	0.0003429	2833.42969	2840.33960
2852.0	0.000356	2832.03394	2838.95410
2787.0	0.000356	2830.63794	2837.57056
2852.0	0.000356	2829.24219	2836.18945
2842.0	0.000356	2827.84595	2834.80933
2842.0	0.000356	2826.45020	2833.43164
2841.0	0.000356	2825.05396	2832.05542
2926.0	0.0003429	2823.65796	2830.68115
2821.0	0.000356	2822.26221	2829.30859
2829.0	0.000356	2820.86621	2827.93750
2820.0	0.000356	2819.46997	2826.56787
2771.0	0.000356	2818.07397	2825.20020
2849.0	0.000356	2816.67773	2823.83374
2758.0	0.000356	2815.28174	2822.46899
2797.0	0.000356	2813.88574	2821.10596
2777.0	0.000356	2812.48975	2819.74414
2905.0	0.0003429	2811.09375	2818.38403
2922.0	0.0003429	2809.69800	2817.02539
2825.0	0.000356	2808.30200	2815.66797
2837.0	0.000356	2806.90601	2814.31226
2833.0	0.000356	2805.51025	2812.95801
2848.0	0.000356	2804.11450	2811.60547
2737.0	0.000370	2802.71875	2810.25391
2864.0	0.0003429	2801.32300	2808.90381
2825.0	0.000356	2799.92749	2807.55566
2773.0	0.000356	2798.53223	2806.20898
2926.0	0.0003429	2797.13672	2804.86328
2886.0	0.0003429	2795.74121	2803.51904
2743.0	0.000370	2794.34595	2802.17651
2718.0	0.000370	2792.95068	2800.83521
2832.0	0.000356	2791.55566	2799.49585
2903.0	0.0003429	2790.16064	2798.15747
2795.0	0.000356	2788.76563	2796.82080
2744.0	0.000370	2787.37109	2795.48608
2808.0	0.000356	2785.97656	2794.15234
2783.0	0.000356	2784.58203	2792.82056
2764.0	0.000356	2783.18750	2791.48950
2831.0	0.000356	2781.79321	2790.16064
2823.0	0.000356	2780.39893	2788.83325
2724.0	0.000370	2779.00488	2787.50732
2775.0	0.000356	2777.61108	2786.18359
2706.0	0.000370	2776.21729	2784.86084
2853.0	0.000356	2774.82397	2783.54004
2715.0	0.000370	2773.43042	2782.22095
2734.0	0.000370	2772.03711	2780.90308
2707.0	0.000370	2770.64404	2779.58765
2835.0	0.000356	2769.25098	2778.27344

2716.0	0.000370	2767.85815	2776.96094
2800.0	0.000356	2766.46558	2775.65039
2833.0	0.000356	2765.07324	2774.34204
2720.0	0.000370	2763.68115	2773.03540
2785.0	0.000356	2762.28906	2771.73022
2783.0	0.000356	2760.89722	2770.42725
2758.0	0.000356	2759.50537	2769.12622
2763.0	0.000356	2758.11401	2767.82690
2762.0	0.000356	2756.72266	2766.52979
2923.0	0.0003429	2755.33154	2765.23462
2775.0	0.000356	2753.94067	2763.94189
2807.0	0.000356	2752.55005	2762.65112
2834.0	0.000356	2751.15967	2761.36230
2752.0	0.000370	2749.76929	2760.07544
2765.0	0.000356	2748.37939	2758.79150
2769.0	0.000356	2746.98950	2757.50928
2751.0	0.000370	2745.59985	2756.22949
2716.0	0.000370	2744.21069	2754.95215
2781.0	0.000356	2742.82153	2753.67725
2777.0	0.000356	2741.43262	2752.40479
2758.0	0.000356	2740.04419	2751.13501
2734.0	0.000370	2738.65576	2749.86743
2710.0	0.000370	2737.26782	2748.60278
2764.0	0.000356	2735.87988	2747.34033
2834.0	0.000356	2734.49219	2746.08105
2748.0	0.000370	2733.10474	2744.82397
2777.0	0.000356	2731.71777	2743.57056
2773.0	0.000356	2730.33081	2742.31934
2712.0	0.000370	2728.94458	2741.07153
2671.0	0.000370	2727.55835	2739.82666
2767.0	0.000356	2726.17236	2738.58447
2755.0	0.000370	2724.78638	2737.34546
2796.0	0.000356	2723.40112	2736.11035
2730.0	0.000370	2722.01587	2734.87793
2800.0	0.000356	2720.63086	2733.64893
2731.0	0.000370	2719.24634	2732.42358
2734.0	0.000370	2717.86230	2731.20215
2669.0	0.000370	2716.47827	2729.98364
2789.0	0.000356	2715.09448	2728.76904
2786.0	0.000356	2713.71094	2727.55811
2811.0	0.000356	2712.32788	2726.35107
2688.0	0.000370	2710.94507	2725.14795
2700.0	0.000370	2709.56250	2723.94922
2746.0	0.000370	2708.18042	2722.75464
2717.0	0.000370	2706.79834	2721.56396
2707.0	0.000370	2705.41699	2720.37817
2732.0	0.000370	2704.03589	2719.19653
2657.0	0.000370	2702.65479	2718.01929
2785.0	0.000356	2701.27417	2716.84717
2692.0	0.000370	2699.89380	2715.67944
2711.0	0.000370	2698.51392	2714.51733
2665.0	0.000370	2697.13428	2713.35986
2695.0	0.000370	2695.75488	2715.41504
2573.0	0.000384	2694.37622	2714.29199

2665.0	0.000370	2692.99756	2713.17432
2753.0	0.000370	2691.61938	2712.06299
2692.0	0.000370	2690.24121	2710.95703
2769.0	0.000356	2688.86377	2709.85815
2688.0	0.000370	2687.48633	2708.76514
2729.0	0.000370	2686.10938	2712.76782
2611.0	0.000384	2684.73291	2711.74487
2703.0	0.000370	2683.35693	2710.73071
2711.0	0.000370	2681.98096	2709.72363
2764.0	0.000356	2680.60547	2708.72583
2725.0	0.000370	2679.23022	2707.73584
2526.0	0.000400	2677.85547	2706.75513
2701.0	0.000370	2676.48096	2705.78345
2734.0	0.000370	2675.10693	2704.82129
2712.0	0.000370	2673.73315	2703.86890
2654.0	0.000370	2672.35986	2702.92676
2695.0	0.000370	2670.98706	2701.99438
2694.0	0.000370	2669.61450	2701.07300
2632.0	0.000384	2668.24219	2700.16187
2640.0	0.000384	2666.87036	2699.26245
2792.0	0.000356	2665.49878	2698.37476
2736.0	0.000370	2664.12769	2697.49902
2645.0	0.000384	2662.75684	2696.63525
2694.0	0.000370	2661.38647	2695.78442
2699.0	0.000370	2660.01660	2694.94702
2717.0	0.000370	2658.64697	2694.12329
2619.0	0.000384	2657.27783	2693.31372
2640.0	0.000384	2655.90894	2692.51831
2666.0	0.000370	2654.54053	2691.73779
2711.0	0.000370	2653.17236	2695.49048
2759.0	0.000356	2651.80469	2694.79224
2677.0	0.000370	2650.43750	2694.11133
2606.0	0.000384	2649.07080	2693.44897
2677.0	0.000370	2647.70410	2692.80469
2695.0	0.000370	2646.33813	2692.17993
2623.0	0.000384	2644.97241	2691.57520
2585.0	0.000384	2643.60693	2690.99097
2566.0	0.000384	2642.24194	2690.42847
2619.0	0.000384	2640.87744	2689.88843
2589.0	0.000384	2639.51343	2689.37183
2605.0	0.000384	2638.14966	2688.87915
2631.0	0.000384	2636.78662	2688.41113
2692.0	0.000370	2635.42358	2687.96899
2586.0	0.000384	2634.06104	2687.55420
2695.0	0.000370	2632.69897	2687.16699
2579.0	0.000384	2631.33716	2686.80908
2663.0	0.000370	2629.97583	2686.48120
2635.0	0.000384	2628.61499	2686.18481
2699.0	0.000370	2627.25439	2685.92139
2641.0	0.000384	2625.89453	2685.69238
2681.0	0.000370	2624.53491	2685.49878
2663.0	0.000370	2623.17578	2685.19336
2658.0	0.000370	2621.81689	2685.07715
2618.0	0.000384	2620.45825	2685.00098

2628.0	0.000384	2619.10034	2684.96680
2736.0	0.000370	2617.74268	2684.97754
2568.0	0.000384	2616.38550	2685.03345
2595.0	0.000384	2615.02905	2685.13892
2668.0	0.000370	2613.67261	2685.29395
2680.0	0.000370	2612.31665	2685.50195
2676.0	0.000370	2610.96118	2685.76563
2677.0	0.000370	2609.60596	2686.08716
2673.0	0.000370	2608.25122	2686.47021
2657.0	0.000370	2606.89697	2686.91675
2677.0	0.000370	2605.54321	2687.43115
2673.0	0.000370	2604.18970	2688.01587
2757.0	0.000356	2602.83691	2688.67554
2683.0	0.000370	2601.48438	2689.41309
2737.0	0.000370	2600.13232	2690.23340
2721.0	0.000370	2598.78052	2691.14038
2717.0	0.000370	2597.42920	2692.13965
2705.0	0.000370	2596.07813	2693.23560
2667.0	0.000370	2594.72778	2694.43652
2737.0	0.000370	2593.37769	2695.74341
2699.0	0.000370	2592.02832	2697.16553
2801.0	0.000356	2590.67920	2698.70972
2592.0	0.000384	2589.33032	2700.38281
2648.0	0.000384	2587.98193	2702.19360
2746.0	0.000370	2586.63403	2704.15088
2657.0	0.000370	2585.28662	2706.26514
2726.0	0.000370	2583.93945	2708.54590
2691.0	0.000370	2582.59277	2711.00610
2665.0	0.000370	2581.24683	2713.65967
2802.0	0.000356	2579.90112	2716.52124
2840.0	0.000356	2578.55566	2719.60864
2756.0	0.000370	2577.21069	2722.94312
2751.0	0.000370	2575.86621	2726.54761
2775.0	0.000356	2574.52222	2730.45068
2810.0	0.000356	2573.17847	2734.68677
2795.0	0.000356	2571.83521	2739.29541
2895.0	0.0003429	2570.49243	2744.32495
2866.0	0.0003429	2569.15039	2749.83594
2798.0	0.000356	2567.80835	2755.89917
2755.0	0.000370	2566.46680	2762.60254
2797.0	0.000356	2565.12573	2770.05176
2822.0	0.000356	2563.78491	2778.37598
2940.0	0.0003429	2562.44482	2787.73120
2948.0	0.0003429	2561.10498	2798.30322
2816.0	0.000356	2559.76563	2810.31494
2996.0	0.0003306	2558.42700	2824.03101
2966.0	0.0003429	2557.08838	2839.75952
2955.0	0.0003429	2555.75024	2857.86182
2948.0	0.0003429	2554.41260	2878.75171
2987.0	0.0003306	2553.07544	2902.90137
2947.0	0.0003429	2551.73853	2930.84009
3176.0	0.0003189	2550.40210	2963.15601
3140.0	0.0003189	2549.06616	3000.49072
3107.0	0.0003189	2547.73071	3043.53540

3267.0	0.0003078	2546.39575	3093.02002
3245.0	0.0003078	2545.06104	3149.70068
3346.0	0.0002973	2543.72656	3214.34180
3451.0	0.0002873	2542.39282	3287.69824
3529.0	0.0002873	2541.05933	3370.48584
3564.0	0.0002778	2539.72632	3463.36035
3621.0	0.0002778	2538.39380	3566.88232
3718.0	0.0002687	2537.06177	3681.48755
3860.0	0.0002601	2535.73022	3807.45435
3980.0	0.0002520	2534.39893	3944.87134
4113.0	0.0002441	2533.06812	4093.60645
4091.0	0.0002441	2531.73755	4253.27686
4393.0	0.0002296	2530.40747	4423.22168
4492.0	0.0002228	2529.07788	4602.47900
4723.0	0.0002100	2527.74854	4789.75391
4856.0	0.0002041	2526.41992	4983.40234
5041.0	0.0001984	2525.09180	5181.40186
5297.0	0.0001877	2523.76367	5381.33154
5440.0	0.0001826	2522.43628	5580.35205
5771.0	0.0001731	2521.10913	5775.21045
5898.0	0.0001687	2519.78247	5962.26172
6312.0	0.0001602	2518.45605	6137.55811
6451.0	0.0001562	2517.13037	6296.98828
6493.0	0.0001524	2515.80493	6436.51660
6838.0	0.0001452	2514.47998	6552.49219
6913.0	0.0001452	2513.15552	6641.99365
6999.0	0.0001417	2511.83130	6703.15674
6890.0	0.0001452	2510.50757	6735.39941
6933.0	0.0001452	2509.18408	6739.47412
6771.0	0.0001487	2507.86108	6717.33203
6910.0	0.0001452	2506.53857	6671.81152
6554.0	0.0001524	2505.21631	6606.21973
6487.0	0.0001524	2503.89478	6523.87891
6167.0	0.0001602	2502.57349	6427.70557
6214.0	0.0001602	2501.25269	6319.87744
5808.0	0.0001731	2499.93213	6201.63916
5713.0	0.0001731	2498.61206	6073.29150
5660.0	0.0001778	2497.29248	5934.41162
5340.0	0.0001877	2495.97314	5784.32324
5071.0	0.0001984	2494.65430	5622.72607
4957.0	0.0002041	2493.33569	5450.29443
4834.0	0.0002041	2492.01782	5268.99512
4606.0	0.0002163	2490.70020	5082.00488
4611.0	0.0002163	2489.38306	4893.27051
4399.0	0.0002296	2488.06616	4706.90674
4275.0	0.0002367	2486.74976	4526.69141
3963.0	0.0002520	2485.43359	4355.74023
3944.0	0.0002520	2484.11792	4196.39600
3787.0	0.0002601	2482.80273	4050.25879
3681.0	0.0002687	2481.48804	3918.28857
3552.0	0.0002778	2480.17358	3800.93335
3512.0	0.0002873	2478.85938	3698.25073
3375.0	0.0002973	2477.54590	3610.01343
3393.0	0.0002973	2476.23242	3535.80249

3361.0	0.0002973	2474.91968	3475.09180
3319.0	0.0002973	2473.60718	3427.32617
3308.0	0.0002973	2472.29492	3392.00342
3326.0	0.0002973	2470.98315	3368.76270
3365.0	0.0002973	2469.67212	3357.48364
3351.0	0.0002973	2468.36133	3358.39941
3473.0	0.0002873	2467.05054	3372.22778
3466.0	0.0002873	2465.74048	3400.31250
3402.0	0.0002973	2464.43066	3444.76611
3508.0	0.0002873	2463.12134	3508.59082
3666.0	0.0002687	2461.81226	3595.74951
3737.0	0.0002687	2460.50366	3711.15039
3899.0	0.0002601	2459.19556	3860.50244
4137.0	0.0002441	2457.88770	4050.00562
4396.0	0.0002296	2456.58032	4285.85889
4602.0	0.0002163	2455.27319	4573.57422
4809.0	0.0002100	2453.96655	4917.08643
5334.0	0.0001877	2452.66016	5317.59570
5673.0	0.0001778	2451.35400	5772.00879
6217.0	0.0001602	2450.04858	6270.69727
6979.0	0.0001417	2448.74341	6794.36768
7293.0	0.0001384	2447.43872	7310.42285
7975.0	0.0001262	2446.13403	7770.94385
8612.0	0.0001156	2444.83008	8116.77588
8856.0	0.0001132	2443.52637	8291.95801
8832.0	0.0001132	2442.22290	8265.36230
8486.0	0.0001181	2440.91992	8045.79102
8147.0	0.0001235	2439.61743	7677.84863
7497.0	0.0001321	2438.31494	7224.91602
6852.0	0.0001452	2437.01343	6738.94727
6240.0	0.0001602	2435.71191	6266.11670
5682.0	0.0001778	2434.41064	5835.58057
5412.0	0.0001826	2433.10986	5465.25781
5087.0	0.0001984	2431.80933	5165.47217
4837.0	0.0002041	2430.50928	4941.74902
4792.0	0.0002100	2429.20947	4796.65820
4764.0	0.0002100	2427.91016	4730.98096
4787.0	0.0002100	2426.61133	4744.37354
4893.0	0.0002041	2425.31274	4835.64355
4994.0	0.0001984	2424.01440	5002.63574
5194.0	0.0001929	2422.71655	5241.73242
5684.0	0.0001778	2421.41895	5546.86328
5932.0	0.0001687	2420.12158	5907.86963
6518.0	0.0001524	2418.82471	6308.00244
6982.0	0.0001417	2417.52808	6720.65088
7522.0	0.0001321	2416.23218	7106.53320
7950.0	0.0001262	2414.93628	7414.60742
8063.0	0.0001235	2413.64087	7591.14600
8303.0	0.0001208	2412.34570	7597.38867
8091.0	0.0001235	2411.05078	7426.64600
7775.0	0.0001291	2409.75635	7107.32129
7137.0	0.0001417	2408.46216	6689.11377
6377.0	0.0001562	2407.16846	6223.93701
5832.0	0.0001731	2405.87500	5753.48486

5320.0	0.0001877	2404.58203	5305.89844
4737.0	0.0002100	2403.28931	4897.67285
4500.0	0.0002228	2401.99683	4536.87793
4134.0	0.0002441	2400.70483	4225.90283
3792.0	0.0002601	2399.41284	3963.40186
3572.0	0.0002778	2398.12158	3745.65503
3493.0	0.0002873	2396.83032	3567.56104
3358.0	0.0002973	2395.53955	3426.64282
3281.0	0.0003078	2394.24927	3310.72266
3175.0	0.0003189	2392.95923	3217.66992
3058.0	0.0003306	2391.66943	3142.79517
3129.0	0.0003189	2390.38013	3082.17358
2975.0	0.0003306	2389.09082	3032.65210
2954.0	0.0003429	2387.80200	2991.78540
2912.0	0.0003429	2386.51343	2957.72827
2897.0	0.0003429	2385.22534	2929.12085
2841.0	0.000356	2383.93774	2904.97852
2870.0	0.0003429	2382.65015	2884.59595
2851.0	0.000356	2381.36304	2867.47681
2837.0	0.000356	2380.07617	2853.28003
2817.0	0.000356	2378.78955	2841.78369
2854.0	0.000356	2377.50317	2832.85767
2817.0	0.000356	2376.21729	2826.45605
2816.0	0.000356	2374.93164	2822.60352
2811.0	0.000356	2373.64624	2821.39966
2893.0	0.0003429	2372.36157	2823.01538
2862.0	0.000356	2371.07690	2827.69678
2936.0	0.0003429	2369.79248	2835.77197
2959.0	0.0003429	2368.50830	2847.64331
2967.0	0.0003429	2367.22461	2863.80518
2951.0	0.0003429	2365.94116	2884.83594
3049.0	0.0003306	2364.65796	2911.39722
3063.0	0.0003306	2363.37500	2944.22827
3060.0	0.0003306	2362.09277	2984.13867
3182.0	0.0003189	2360.81030	3031.98975
3184.0	0.0003189	2359.52856	3088.67822
3200.0	0.0003078	2358.24683	3155.10840
3314.0	0.0002973	2356.96533	3232.15991
3342.0	0.0002973	2355.68433	3320.65259
3458.0	0.0002873	2354.40356	3421.30225
3596.0	0.0002778	2353.12305	3534.67505
3688.0	0.0002687	2351.84302	3661.13916
3746.0	0.0002687	2350.56323	3800.81592
3872.0	0.0002601	2349.28369	3953.52979
4091.0	0.0002441	2348.00439	4118.75684
4184.0	0.0002367	2346.72534	4295.57764
4287.0	0.0002367	2345.44653	4482.63477
4477.0	0.0002228	2344.16797	4678.07227
4617.0	0.0002163	2342.88989	4879.49414
4729.0	0.0002100	2341.61206	5083.91309
4987.0	0.0001984	2340.33472	5287.69824
5101.0	0.0001984	2339.05737	5486.55078
5418.0	0.0001826	2337.78027	5675.50928
5590.0	0.0001778	2336.50366	5849.03711

5652.0	0.0001778	2335.22705	6001.21094
5795.0	0.0001731	2333.95093	6126.07129
5972.0	0.0001687	2332.67505	6218.10254
6024.0	0.0001644	2331.39941	6272.80957
6168.0	0.0001602	2330.12427	6287.28955
6158.0	0.0001644	2328.84912	6260.64063
6056.0	0.0001644	2327.57446	6194.08740
6040.0	0.0001644	2326.29980	6090.80908
5866.0	0.0001687	2325.02563	5955.49170
5680.0	0.0001778	2323.75171	5793.74951
5552.0	0.0001778	2322.47803	5611.56104
5198.0	0.0001929	2321.20459	5414.79492
5004.0	0.0001984	2319.93164	5208.89990
4602.0	0.0002163	2318.65869	4998.72754
4433.0	0.0002228	2317.38599	4788.46289
4165.0	0.0002367	2316.11353	4581.62158
3857.0	0.0002601	2314.84155	4381.08447
3678.0	0.0002687	2313.56958	4189.14941
3492.0	0.0002873	2312.29810	4007.57666
3346.0	0.0002973	2311.02686	3837.64233
3350.0	0.0002973	2309.75562	3680.18530
3123.0	0.0003189	2308.48511	3535.65503
3034.0	0.0003306	2307.21460	3404.16260
2990.0	0.0003306	2305.94434	3285.52710
2840.0	0.000356	2304.67432	3179.32666
2813.0	0.000356	2303.40454	3084.94653
2761.0	0.000356	2302.13501	3001.62842
2674.0	0.000370	2300.86572	2928.51587
2641.0	0.000384	2299.59668	2864.69409
2712.0	0.000370	2298.32837	2809.22729
2592.0	0.000384	2297.05981	2761.18604
2481.0	0.000400	2295.79150	2719.67651
2561.0	0.000384	2294.52344	2683.85547
2514.0	0.000400	2293.25562	2652.94556
2496.0	0.000400	2291.98828	2626.24170
2508.0	0.000400	2290.72095	2603.11523
2488.0	0.000400	2289.45410	2583.01440
2493.0	0.000400	2288.18750	2568.05493
2478.0	0.000400	2286.92090	2552.65991
2394.0	0.000416	2285.65479	2539.05884
2368.0	0.000416	2284.38867	2526.96289
2396.0	0.000416	2283.12305	2516.13354
2358.0	0.000416	2281.85742	2506.37427
2358.0	0.000416	2280.59204	2497.52515
2429.0	0.000416	2279.32715	2489.45654
2321.0	0.000434	2278.06226	2482.06470
2354.0	0.000416	2276.79810	2475.26489
2365.0	0.000416	2275.53369	2468.98901
2381.0	0.000416	2274.26953	2463.18530
2313.0	0.000434	2273.00562	2457.81030
2292.0	0.000434	2271.74219	2452.82910
2356.0	0.000416	2270.47876	2448.21509
2315.0	0.000434	2269.21558	2443.94629
2336.0	0.000434	2267.95288	2440.00537

2368.0	0.000416	2266.69043	2436.37939
2340.0	0.000434	2265.42798	2433.05859
2356.0	0.000416	2264.16577	2430.03613
2258.0	0.000434	2262.90381	2427.30811
2224.0	0.000453	2261.64209	2424.87158
2312.0	0.000434	2260.38062	2422.72754
2382.0	0.000416	2259.11938	2420.87842
2324.0	0.000434	2257.85815	2419.32959
2389.0	0.000416	2256.59766	2418.08960
2338.0	0.000434	2255.33716	2417.16821
2334.0	0.000434	2254.07666	2416.57813
2251.0	0.000453	2252.81665	2416.33643
2172.0	0.000453	2251.55664	2416.46240
2360.0	0.000416	2250.29712	2416.98096
2316.0	0.000434	2249.03760	2417.92041
2371.0	0.000416	2247.77856	2419.31470
2311.0	0.000434	2246.51953	2421.20288
2335.0	0.000434	2245.26099	2423.63403
2393.0	0.000416	2244.00244	2426.66162
2389.0	0.000416	2242.74414	2430.35474
2331.0	0.000434	2241.48608	2434.79321
2395.0	0.000416	2240.22827	2440.07520
2466.0	0.000400	2238.97046	2446.32202
2361.0	0.000416	2237.71313	2453.68896
2473.0	0.000400	2236.45581	2462.37598
2392.0	0.000416	2235.19922	2472.64917
2515.0	0.000400	2233.94238	2484.86328
2531.0	0.000400	2232.68579	2499.50146
2500.0	0.000400	2231.42969	2517.21558
2571.0	0.000384	2230.17358	2538.88232
2603.0	0.000384	2228.91772	2565.65845
2649.0	0.000384	2227.66211	2599.03711
2736.0	0.000370	2226.40649	2640.88916
2844.0	0.000356	2225.15161	2693.47070
2832.0	0.000356	2223.89673	2759.38892
2969.0	0.0003429	2222.64185	2841.50830
3090.0	0.0003189	2221.38721	2942.77661
3046.0	0.0003306	2220.13306	3065.97266
3260.0	0.0003078	2218.87891	3213.37817
3449.0	0.0002873	2217.62500	3386.34961
3681.0	0.0002687	2216.37134	3584.77539
3794.0	0.0002601	2215.11768	3806.32251
4123.0	0.0002441	2213.86475	4045.37842
4274.0	0.0002367	2212.61157	4291.62500
4604.0	0.0002163	2211.35889	4528.56934
4892.0	0.0002041	2210.10620	4733.13428
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5173.0	0.0001929	2207.60181	4940.05469
5168.0	0.0001929	2206.34985	4906.70557
5045.0	0.0001984	2205.09790	4784.21094
4940.0	0.0002041	2203.84668	4593.39453
4613.0	0.0002163	2202.59546	4361.24219
4331.0	0.0002296	2201.34424	4112.67041
3921.0	0.0002520	2200.09351	3866.45898

3704.0	0.0002687	2198.84277	3634.86963
3310.0	0.0002973	2197.59229	3424.93164
3151.0	0.0003189	2196.34204	3239.94775
3058.0	0.0003306	2195.09204	3080.68359
2914.0	0.0003429	2193.84253	2946.20850
2806.0	0.000356	2192.59277	2834.49878
2736.0	0.000370	2191.34326	2742.90234
2570.0	0.000384	2190.09424	2668.49536
2517.0	0.000400	2188.84521	2608.36035
2441.0	0.000416	2187.59644	2559.78711
2478.0	0.000400	2186.34790	2520.39063
2499.0	0.000400	2185.09961	2488.16821
2427.0	0.000416	2183.85156	2461.50171
2423.0	0.000416	2182.60376	2439.12183
2369.0	0.000416	2181.35620	2420.06177
2273.0	0.000434	2180.10864	2403.59644
2329.0	0.000434	2178.86157	2389.18945
2280.0	0.000434	2177.61450	2376.44141
2391.0	0.000416	2176.36768	2365.05835
2284.0	0.000434	2175.12109	2354.81567
2279.0	0.000434	2173.87451	2345.54102
2244.0	0.000453	2172.62866	2337.09839
2311.0	0.000434	2171.38257	2329.37866
2263.0	0.000434	2170.13696	2322.29175
2334.0	0.000434	2168.89136	2315.76123
2239.0	0.000453	2167.64600	2309.72510
2294.0	0.000434	2166.40088	2304.12793
2274.0	0.000434	2165.15601	2298.92529
2286.0	0.000434	2163.91138	2294.07666
2284.0	0.000434	2162.66724	2289.54785
2429.0	0.000416	2161.42285	2285.31030
2325.0	0.000434	2160.17896	2281.33862
2327.0	0.000434	2158.93506	2274.31006
2336.0	0.000434	2157.69141	2270.83130
2326.0	0.000434	2156.44800	2267.56128
2275.0	0.000434	2155.20483	2264.48584
2286.0	0.000434	2153.96191	2261.59253
2381.0	0.000416	2152.71924	2258.86987
2340.0	0.000434	2151.47705	2256.30933
2256.0	0.000453	2150.23462	2253.90112
2331.0	0.000434	2148.99268	2251.63965
2291.0	0.000434	2147.75073	2249.51709
2324.0	0.000434	2146.50928	2247.52856
2348.0	0.000434	2145.26782	2245.66895
2300.0	0.000434	2144.02661	2243.93384
2395.0	0.000416	2142.78564	2241.52539
2266.0	0.000434	2141.54517	2240.03589
2249.0	0.000453	2140.30469	2238.66089
2343.0	0.000434	2139.06445	2237.39966
2370.0	0.000416	2137.82422	2236.25000
2210.0	0.000453	2136.58447	2235.21118
2323.0	0.000434	2135.34473	2234.28174
2405.0	0.000416	2134.10547	2233.46216
2231.0	0.000453	2132.86621	2232.75244

2301.0	0.000434	2131.62744	2232.15308
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2229.0	0.000453	2126.67407	2230.88257
2272.0	0.000434	2125.43604	2230.85645
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2190.0	0.000453	2122.96118	2231.17798
2226.0	0.000453	2121.72412	2231.53271
2212.0	0.000453	2120.48755	2232.02319
2293.0	0.000434	2119.25073	2232.65527
2215.0	0.000453	2118.01440	2233.43481
2240.0	0.000453	2116.77832	2234.36987
2187.0	0.000453	2115.54224	2235.46680
2244.0	0.000453	2114.30664	2236.73560
2253.0	0.000453	2113.07104	2238.18579
2246.0	0.000453	2111.83569	2239.82764
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2261.0	0.000434	2108.13159	2246.03125
2307.0	0.000434	2106.89746	2248.57617
2266.0	0.000434	2105.66333	2251.38745
2306.0	0.000434	2104.42944	2254.48950
2272.0	0.000434	2103.19604	2257.90625
2311.0	0.000434	2101.96265	2261.66675
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2331.0	0.000434	2099.49683	2270.36279
2271.0	0.000434	2098.26440	2275.38721
2330.0	0.000434	2097.03198	2280.94067
2357.0	0.000416	2095.79980	2287.09497
2419.0	0.000416	2094.56812	2293.94238
2385.0	0.000416	2093.33643	2301.59497
2408.0	0.000416	2092.10522	2310.19629
2497.0	0.000400	2090.87402	2319.92065
2433.0	0.000416	2089.64331	2330.98730
2437.0	0.000416	2088.41260	2343.66602
2480.0	0.000400	2087.18237	2358.28906
2556.0	0.000384	2085.95190	2375.25879
2631.0	0.000384	2084.72241	2395.06079
2570.0	0.000384	2083.49316	2418.27075
2742.0	0.000370	2082.26343	2445.56494
2733.0	0.000370	2081.03467	2477.72705
2739.0	0.000370	2079.80566	2515.64307
2754.0	0.000370	2078.57739	2560.30859
2855.0	0.000356	2077.34888	2612.80688
2937.0	0.0003429	2076.12109	2674.30127
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5989.0	0.0001687	2051.61816	6122.38672
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6239.0	0.0001602	2047.95264	6237.24854
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6279.0	0.0001602	2045.51025	6061.53076
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2357.0	0.000416	2017.51184	2466.62524
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2182.0	0.000453	2006.60278	2283.34546
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2183.0	0.000453	2004.18225	2267.24316
2197.0	0.000453	2002.97278	2260.86841
2187.0	0.000453	2001.76318	2255.45239
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2702.0	0.000370	1972.85022	2520.72949
2767.0	0.000356	1971.65015	2581.67920
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2898.0	0.0003429	1969.25159	2736.31445
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3341.0	0.0002973	1964.45935	3204.52295
3527.0	0.0002873	1963.26257	3358.03809
3598.0	0.0002778	1962.06628	3525.91260
3730.0	0.0002687	1960.86987	3707.15796
3843.0	0.0002601	1959.67432	3900.14136
3913.0	0.0002520	1958.47876	4102.47852
4143.0	0.0002441	1957.28418	4310.91992
4289.0	0.0002367	1956.08948	4521.22168
4393.0	0.0002296	1954.89563	4728.04102
4568.0	0.0002163	1953.70239	4924.88379
4719.0	0.0002100	1952.50903	5104.19727
4887.0	0.0002041	1951.31653	5257.71631
4863.0	0.0002041	1950.12402	5377.12012
5100.0	0.0001984	1948.93250	5455.01221
5181.0	0.0001929	1947.74084	5486.04785
5267.0	0.0001877	1946.55017	5467.89355
5309.0	0.0001877	1945.35950	5401.68066
5163.0	0.0001929	1944.16968	5291.78857
5086.0	0.0001984	1942.98035	5145.16309
4846.0	0.0002041	1941.79114	4969.64063
4607.0	0.0002163	1940.60266	4773.74414
4363.0	0.0002296	1939.41431	4565.33105
4191.0	0.0002367	1938.22681	4351.29199
3977.0	0.0002520	1937.03943	4137.37354
3755.0	0.0002687	1935.85291	3928.19531

3515.0	0.0002873	1934.66638	3727.33911
3253.0	0.0003078	1933.48083	3537.47754
3115.0	0.0003189	1932.29565	3360.48877
2994.0	0.0003306	1931.11060	3197.57153
2833.0	0.000356	1929.92651	3049.34155
2688.0	0.000370	1928.74243	2915.91919
2604.0	0.000384	1927.55920	2797.01880
2498.0	0.000400	1926.37610	2692.02563
2394.0	0.000416	1925.19397	2600.08154
2390.0	0.000416	1924.01233	2520.15430
2356.0	0.000416	1922.83069	2451.10522
2255.0	0.000453	1921.65002	2391.75439
2225.0	0.000453	1920.46936	2340.92383
2105.0	0.000473	1919.28967	2297.48193
2103.0	0.000473	1918.11011	2260.37158
2153.0	0.000473	1916.93140	2228.62744
2120.0	0.000473	1915.75281	2201.39063
2035.0	0.000494	1914.57520	2177.91040
2100.0	0.000473	1913.39819	2157.54199
2080.0	0.000473	1912.22107	2139.73901
2061.0	0.000494	1911.04504	2124.04980
2038.0	0.000494	1909.86914	2110.09912
2050.0	0.000494	1908.69409	2097.58521
2014.0	0.000494	1907.51917	2086.26147
2014.0	0.000494	1906.34521	2075.93237
1975.0	0.000517	1905.17139	2066.44019
2003.0	0.000494	1903.99854	2057.66064
1990.0	0.000494	1902.82629	2049.49365
1927.0	0.000517	1901.65405	2041.85815
1925.0	0.000517	1900.48279	2034.69067
1962.0	0.000517	1899.31177	2027.93738
1837.0	0.000541	1898.14160	2021.55518
1913.0	0.000517	1896.97156	2015.50659
1895.0	0.000517	1895.80261	2009.76196
1965.0	0.000517	1894.63416	2004.29370
1989.0	0.000494	1893.46582	1999.07825
1867.0	0.000541	1892.29846	1994.09607
1912.0	0.000517	1891.13135	1989.32849
1911.0	0.000517	1889.96509	1984.75989
1889.0	0.000541	1888.79907	1980.37476
1925.0	0.000517	1887.63416	1976.16113
1897.0	0.000517	1886.46924	1972.10559
1885.0	0.000541	1885.30530	1968.19861
1904.0	0.000517	1884.14209	1964.42957
1883.0	0.000541	1882.97900	1960.78918
1927.0	0.000517	1881.81689	1957.26941
1917.0	0.000517	1880.65491	1953.86194
1868.0	0.000541	1879.49402	1950.56079
1972.0	0.000517	1878.33325	1947.35815
1921.0	0.000517	1877.17358	1944.24902
1929.0	0.000517	1876.01404	1941.22729
1887.0	0.000541	1874.85559	1938.47498
1945.0	0.000517	1873.69763	1935.61487
1987.0	0.000494	1872.53992	1932.82739

1912.0	0.000517	1871.38330	1930.10999
1939.0	0.000517	1870.22681	1927.45679
1941.0	0.000517	1869.07141	1924.86621
1987.0	0.000494	1867.91626	1922.33313
1970.0	0.000517	1866.76208	1919.85547
1938.0	0.000517	1865.60852	1917.43054
1977.0	0.000517	1864.45520	1915.05469
1964.0	0.000517	1863.30298	1912.72656
1988.0	0.000494	1862.15088	1910.44250
1921.0	0.000517	1860.99988	1908.20142
1915.0	0.000517	1859.84912	1906.00073
1931.0	0.000517	1858.69946	1903.83887
1867.0	0.000541	1857.54993	1901.71313
1845.0	0.000541	1856.40161	1899.62292
1884.0	0.000541	1855.25391	1897.56628
1865.0	0.000541	1854.10632	1895.54077
1835.0	0.000541	1852.95996	1893.54651
1826.0	0.000541	1851.81372	1891.58044
1839.0	0.000541	1850.66870	1889.64319
1804.0	0.000567	1849.52380	1887.73206
1847.0	0.000541	1848.38013	1885.84668
1828.0	0.000541	1847.23657	1883.98535
1752.0	0.000567	1846.09424	1882.14819
1802.0	0.000567	1844.95251	1880.33325
1786.0	0.000567	1843.81104	1878.53967
1786.0	0.000567	1842.67078	1876.76721
1858.0	0.000541	1841.53076	1875.01416
1845.0	0.000541	1840.39172	1873.28076
1791.0	0.000567	1839.25305	1871.56543
1831.0	0.000541	1838.11560	1869.86841
1787.0	0.000567	1836.97876	1868.18848
1807.0	0.000541	1835.84216	1866.52454
1785.0	0.000567	1834.70667	1864.87646
1773.0	0.000567	1833.57153	1863.24365
1813.0	0.000541	1832.43762	1861.62610
1756.0	0.000567	1831.30383	1860.02246
1830.0	0.000541	1830.17126	1858.43298
1803.0	0.000567	1829.03906	1856.85645
1850.0	0.000541	1827.90796	1855.29333
1730.0	0.000567	1826.77759	1853.74243
1750.0	0.000567	1825.64746	1852.20325
1753.0	0.000567	1824.51855	1850.67639
1834.0	0.000541	1823.39001	1849.78284
1777.0	0.000567	1822.26257	1848.28198
1778.0	0.000567	1821.13550	1846.79138
1829.0	0.000541	1820.00952	1845.31165
1777.0	0.000567	1818.88391	1843.84155
1800.0	0.000567	1817.75952	1842.38147
1835.0	0.000541	1816.63574	1840.93127
1778.0	0.000567	1815.51245	1839.48950
1795.0	0.000567	1814.39026	1838.05750
1723.0	0.000567	1813.26843	1836.63403
1769.0	0.000567	1812.14783	1835.21899
1768.0	0.000567	1811.02759	1833.81201

1795.0	0.000567	1809.90857	1832.41382
1783.0	0.000567	1808.79016	1831.02344
1793.0	0.000567	1807.67224	1829.64050
1789.0	0.000567	1806.55554	1828.26538
1761.0	0.000567	1805.43921	1826.89709
1763.0	0.000567	1804.32397	1825.53638
1793.0	0.000567	1803.20923	1824.18250
1705.0	0.000595	1802.09570	1822.83569
1782.0	0.000567	1800.98242	1821.49536
1789.0	0.000567	1799.87048	1820.16223
1770.0	0.000567	1798.75928	1818.83557
1731.0	0.000567	1797.64856	1817.51489
1770.0	0.000567	1796.53906	1816.20093
1805.0	0.000567	1795.42993	1814.89233
1856.0	0.000541	1794.32190	1813.87634
1841.0	0.000541	1793.21448	1812.58215
1785.0	0.000567	1792.10815	1811.29382
1858.0	0.000541	1791.00232	1810.01123
1729.0	0.000567	1789.89771	1808.73474
1814.0	0.000541	1788.79395	1807.46375
1744.0	0.000567	1787.69067	1806.19788
1814.0	0.000541	1786.58850	1804.93774
1883.0	0.000541	1785.48682	1803.68250
1807.0	0.000541	1784.38647	1802.43335
1800.0	0.000567	1783.28638	1801.18896
1785.0	0.000567	1782.18774	1799.95032
1893.0	0.000517	1781.08984	1798.71655
1778.0	0.000567	1779.99243	1797.48792
1785.0	0.000567	1778.89624	1796.26465
1763.0	0.000567	1777.80066	1795.04639
1782.0	0.000567	1776.70618	1793.83325
1750.0	0.000567	1775.61218	1792.62476
1817.0	0.000541	1774.51953	1790.76721
1887.0	0.000541	1773.42737	1789.57300
1854.0	0.000541	1772.33643	1788.38354
1755.0	0.000567	1771.24646	1787.19934
1749.0	0.000567	1770.15686	1786.01965
1810.0	0.000541	1769.06860	1784.84546
1839.0	0.000541	1767.98083	1783.67590
1944.0	0.000517	1766.89429	1782.51184
1884.0	0.000541	1765.80835	1781.35266
1797.0	0.000567	1764.72363	1780.19897
1712.0	0.000595	1763.63953	1779.05029
1725.0	0.000567	1762.55664	1777.90698
1842.0	0.000541	1761.47461	1776.76917
1728.0	0.000567	1760.39319	1775.63647
1779.0	0.000567	1759.31311	1774.50989
1751.0	0.000567	1758.23352	1773.38831
1761.0	0.000567	1757.15515	1772.27307
1749.0	0.000567	1756.07739	1771.16309
1718.0	0.000595	1755.00098	1770.05957
1719.0	0.000595	1753.92554	1768.96252
1781.0	0.000567	1752.85046	1767.87122
1741.0	0.000567	1751.77686	1766.78674

1717.0	0.000595	1750.70374	1765.70874
1654.0	0.000595	1749.63208	1764.63843
1743.0	0.000567	1748.56079	1763.57446
1780.0	0.000567	1747.49097	1762.51868
1784.0	0.000567	1746.42163	1761.47046
1789.0	0.000567	1745.35364	1760.43054
1668.0	0.000595	1744.28674	1759.39954
1703.0	0.000595	1743.22034	1758.37683
1692.0	0.000595	1742.15527	1757.36389
1706.0	0.000595	1741.09070	1756.36047
1783.0	0.000567	1740.02759	1755.36804
1693.0	0.000595	1738.96509	1754.38611
1700.0	0.000595	1737.90393	1753.41650
1672.0	0.000595	1736.84326	1752.45862
1755.0	0.000567	1735.78406	1751.51465
1733.0	0.000567	1734.72583	1750.58508
1788.0	0.000567	1733.66821	1749.67029
1744.0	0.000567	1732.61194	1748.77197
1721.0	0.000595	1731.55627	1747.89136
1740.0	0.000567	1730.50208	1743.78381
1746.0	0.000567	1729.44849	1742.96692
1704.0	0.000595	1728.39624	1742.17297
1756.0	0.000567	1727.34497	1741.40405
1748.0	0.000567	1726.29431	1740.66321
1755.0	0.000567	1725.24512	1739.95410
1693.0	0.000595	1724.19653	1739.28052
1759.0	0.000567	1723.14929	1738.64929
1754.0	0.000567	1722.10278	1738.06616
1778.0	0.000567	1721.05762	1737.54138
1761.0	0.000567	1720.01318	1737.08630
1805.0	0.000567	1718.97009	1736.71680
1817.0	0.000541	1717.92798	1736.45251
1862.0	0.000541	1716.88660	1736.31848
1884.0	0.000541	1715.84668	1736.34692
1794.0	0.000567	1714.80737	1736.57666
1814.0	0.000541	1713.76941	1737.05615
1844.0	0.000541	1712.73230	1737.84204
1845.0	0.000541	1711.69641	1739.00110
1808.0	0.000541	1710.66138	1740.60742
1892.0	0.000517	1709.62769	1742.74377
1908.0	0.000517	1708.59509	1745.49658
2008.0	0.000494	1707.56311	1748.95264
1968.0	0.000517	1706.53271	1753.19653
1996.0	0.000494	1705.50293	1758.30078
2045.0	0.000494	1704.47461	1764.32263
1992.0	0.000494	1703.44690	1771.29358
2142.0	0.000473	1702.42078	1779.21289
2161.0	0.000473	1701.39563	1788.03845
2088.0	0.000473	1700.37122	1797.67566
2219.0	0.000453	1699.34827	1807.96948
2363.0	0.000416	1698.32605	1818.68835
2414.0	0.000416	1697.30542	1829.51245
2439.0	0.000416	1696.28528	1840.01880
2520.0	0.000400	1695.26672	1849.68066

2587.0	0.000384	1694.24890	1857.88306
2559.0	0.000384	1693.23254	1863.98145
2645.0	0.000384	1692.21741	1867.39307
2679.0	0.000370	1691.20288	1867.71704
2501.0	0.000400	1690.18982	1864.83435
2599.0	0.000384	1689.17749	1858.93591
2627.0	0.000384	1688.16675	1850.47693
2514.0	0.000400	1687.15674	1840.06445
2385.0	0.000416	1686.14819	1828.34509
2317.0	0.000434	1685.14038	1815.91650
2252.0	0.000453	1684.13416	1803.28320
2143.0	0.000473	1683.12903	1790.84412
2157.0	0.000473	1682.12451	1778.89734
2156.0	0.000473	1681.12170	1767.65710
1963.0	0.000517	1680.11951	1757.50830
1958.0	0.000517	1679.11902	1748.04602
1953.0	0.000517	1678.11914	1739.54492
1821.0	0.000541	1677.12085	1732.00037
1794.0	0.000567	1676.12378	1725.37451
1899.0	0.000517	1675.12732	1719.60693
1873.0	0.000541	1674.13257	1714.62451
1788.0	0.000567	1673.13843	1710.34265
1775.0	0.000567	1672.14600	1706.67664
1721.0	0.000595	1671.15430	1703.54163
1703.0	0.000595	1670.16406	1700.86060
1856.0	0.000541	1669.17468	1698.56262
1706.0	0.000595	1668.18689	1696.58789
1754.0	0.000567	1667.20020	1694.88452
1679.0	0.000595	1666.21436	1693.41174
1725.0	0.000567	1665.23010	1692.13794
1697.0	0.000595	1664.24658	1691.03979
1685.0	0.000595	1663.26465	1690.10291
1717.0	0.000595	1662.28357	1689.32019
1743.0	0.000567	1661.30408	1688.69226
1793.0	0.000567	1660.32544	1688.22729
1634.0	0.000625	1659.34827	1687.94238
1699.0	0.000595	1658.37231	1687.86292
1661.0	0.000595	1657.39722	1688.02454
1694.0	0.000595	1656.42358	1688.47534
1788.0	0.000567	1655.45093	1689.27502
1760.0	0.000567	1654.47986	1690.49683
1690.0	0.000595	1653.50964	1692.22766
1760.0	0.000567	1652.54089	1694.56897
1738.0	0.000567	1651.57349	1697.63171
1798.0	0.000567	1650.60681	1701.56592
1795.0	0.000567	1649.64185	1706.43567
1783.0	0.000567	1648.67773	1712.38977
1761.0	0.000567	1647.71509	1719.53687
1879.0	0.000541	1646.75342	1727.96240
1906.0	0.000517	1645.79333	1737.72119
2030.0	0.000494	1644.83411	1748.82166
1943.0	0.000517	1643.87646	1761.21655
1996.0	0.000494	1642.92017	1774.78577
1940.0	0.000517	1641.96460	1789.32019

2064.0	0.000494	1641.01074	1804.50415
2051.0	0.000494	1640.05774	1819.88916
2122.0	0.000473	1639.10632	1834.87781
2156.0	0.000473	1638.15588	1848.71558
2262.0	0.000434	1637.20703	1860.52539
2199.0	0.000453	1636.25903	1869.39490
2285.0	0.000434	1635.31274	1874.52795
2183.0	0.000453	1634.36755	1875.42346
2301.0	0.000434	1633.42346	1872.01196
2238.0	0.000453	1632.48083	1864.67920
2258.0	0.000434	1631.53918	1854.16394
2193.0	0.000453	1630.59924	1841.38635
2213.0	0.000453	1629.66016	1827.27673
2107.0	0.000473	1628.72266	1812.66516
2035.0	0.000494	1627.78650	1798.22827
2103.0	0.000473	1626.85132	1784.48340
1956.0	0.000517	1625.91772	1771.80627
1997.0	0.000494	1624.98499	1760.44922
1985.0	0.000494	1624.05396	1750.56506
2009.0	0.000494	1623.12390	1742.22083
1977.0	0.000517	1622.19556	1735.41626
1895.0	0.000517	1621.26794	1730.09229
1827.0	0.000541	1620.34216	1726.14722
1915.0	0.000517	1619.41760	1723.44324
1933.0	0.000517	1618.49402	1721.81824
1971.0	0.000517	1617.57214	1721.09460
1965.0	0.000517	1616.65112	1721.08240
1923.0	0.000517	1615.73181	1721.59033
1997.0	0.000494	1614.81348	1722.42371
1946.0	0.000517	1613.89685	1723.39246
1904.0	0.000517	1612.98108	1724.31226
1981.0	0.000494	1612.06714	1725.01001
1939.0	0.000517	1611.15442	1725.32935
1943.0	0.000517	1610.24268	1725.13733
1972.0	0.000517	1609.33252	1724.33179
2110.0	0.000473	1608.42346	1722.84595
1979.0	0.000517	1607.51611	1720.65369
1932.0	0.000517	1606.60962	1717.76575
1876.0	0.000541	1605.70496	1714.22961
1885.0	0.000541	1604.80151	1710.11731
1878.0	0.000541	1603.89905	1705.51904
1904.0	0.000517	1602.99841	1698.73474
1887.0	0.000541	1602.09863	1693.47705
1859.0	0.000541	1601.20068	1688.02954
1727.0	0.000567	1600.30359	1682.47949
1730.0	0.000567	1599.40820	1676.90625
1742.0	0.000567	1598.51392	1671.37659
1729.0	0.000567	1597.62134	1665.94934
1733.0	0.000567	1596.72998	1660.67151
1734.0	0.000567	1595.83972	1655.58203
1796.0	0.000567	1594.95117	1650.71204
1717.0	0.000595	1594.06372	1646.08313
1700.0	0.000595	1593.17786	1641.71289
1647.0	0.000595	1592.29297	1637.60938

1543.0	0.000657	1591.40991	1633.77856
1610.0	0.000625	1590.52783	1630.21777
1681.0	0.000595	1589.64746	1626.92358
1640.0	0.000625	1588.76855	1623.88721
1700.0	0.000595	1587.89050	1621.09644
1618.0	0.000625	1587.01428	1618.53943
1671.0	0.000595	1586.13916	1616.19983
1543.0	0.000657	1585.26563	1614.06287
1559.0	0.000657	1584.39319	1612.11157
1514.0	0.000657	1583.52246	1610.33008
1554.0	0.000657	1582.65320	1608.70264
1656.0	0.000595	1581.78491	1607.21375
1697.0	0.000595	1580.91846	1605.84973
1632.0	0.000625	1580.05286	1604.59705
1716.0	0.000595	1579.18909	1603.44434
1576.0	0.000625	1578.32642	1602.38098
1644.0	0.000595	1577.46545	1601.39758
1599.0	0.000625	1576.60559	1600.48621
1644.0	0.000595	1575.74744	1599.64026
1633.0	0.000625	1574.89063	1598.85388
1599.0	0.000625	1574.03491	1598.12195
1626.0	0.000625	1573.18103	1597.44153
1616.0	0.000625	1572.32813	1596.80896
1587.0	0.000625	1571.47693	1596.22278
1614.0	0.000625	1570.62695	1595.68152
1577.0	0.000625	1569.77856	1595.18457
1555.0	0.000657	1568.93140	1594.73157
1622.0	0.000625	1568.08582	1594.32373
1621.0	0.000625	1567.24182	1593.96216
1644.0	0.000595	1566.39880	1593.64819
1570.0	0.000625	1565.55762	1593.38550
1637.0	0.000625	1564.71741	1593.17676
1604.0	0.000625	1563.87903	1593.02710
1593.0	0.000625	1563.04175	1592.94189
1600.0	0.000625	1562.20618	1592.92822
1609.0	0.000625	1561.37207	1592.99512
1639.0	0.000625	1560.53906	1593.15222
1618.0	0.000625	1559.70789	1593.41333
1581.0	0.000625	1558.87769	1593.79321
1614.0	0.000625	1558.04932	1594.31079
1639.0	0.000625	1557.22205	1594.98779
1605.0	0.000625	1556.39648	1595.85083
1666.0	0.000595	1555.57214	1596.92993
1625.0	0.000625	1554.74951	1598.26099
1620.0	0.000625	1553.92834	1599.88391
1698.0	0.000595	1553.10815	1601.84460
1655.0	0.000595	1552.28992	1604.40308
1667.0	0.000595	1551.47278	1607.20093
1687.0	0.000595	1550.65735	1610.50708
1676.0	0.000595	1549.84302	1614.38843
1690.0	0.000595	1549.03052	1618.91553
1706.0	0.000595	1548.21912	1624.16089
1689.0	0.000595	1547.40955	1630.19934
1761.0	0.000567	1546.60132	1637.10388

1704.0	0.000595	1545.79431	1644.94568
1811.0	0.000541	1544.98901	1653.79089
1784.0	0.000567	1544.18494	1663.69775
1821.0	0.000541	1543.38257	1674.71509
1799.0	0.000567	1542.58142	1686.87830
1827.0	0.000541	1541.78198	1700.20764
1893.0	0.000517	1540.98401	1714.74756
1884.0	0.000541	1540.18713	1730.39307
1964.0	0.000517	1539.39209	1747.14258
1938.0	0.000517	1538.59827	1764.92297
2010.0	0.000494	1537.80615	1783.63135
2057.0	0.000494	1537.01514	1803.12659
2052.0	0.000494	1536.22595	1823.23071
2061.0	0.000494	1535.43799	1843.72021
2097.0	0.000473	1534.65173	1864.33032
2202.0	0.000453	1533.86694	1884.75427
2194.0	0.000453	1533.08337	1904.65515
2253.0	0.000453	1532.30151	1923.68359
2222.0	0.000453	1531.52087	1941.50452
2213.0	0.000453	1530.74207	1957.83337
2367.0	0.000416	1529.96436	1972.46863
2329.0	0.000434	1529.18835	1985.32434
2400.0	0.000416	1528.41370	1996.44324
2357.0	0.000416	1527.64063	2005.99451
2358.0	0.000416	1526.86914	2014.24988
2409.0	0.000416	1526.09888	2021.55029
2348.0	0.000434	1525.33032	2028.26880
2328.0	0.000434	1524.56299	2034.77246
2339.0	0.000434	1523.79749	2041.39795
2345.0	0.000434	1523.03308	2048.43140
2408.0	0.000416	1522.27051	2056.10059
2327.0	0.000434	1521.50940	2064.57031
2319.0	0.000434	1520.74951	2073.94385
2253.0	0.000453	1519.99133	2084.26489
2241.0	0.000453	1519.23438	2095.52075
2206.0	0.000453	1518.47925	2107.64648
2231.0	0.000453	1517.72534	2120.52783
2218.0	0.000453	1516.97314	2134.00537
2195.0	0.000453	1516.22217	2147.87646
2221.0	0.000453	1515.47290	2161.90234
2188.0	0.000453	1514.72522	2175.81079
2231.0	0.000453	1513.97876	2189.30225
2205.0	0.000453	1513.23401	2202.05737
2194.0	0.000453	1512.49048	2213.74487
2255.0	0.000453	1511.74878	2224.03320
2230.0	0.000453	1511.00830	2232.59692
2242.0	0.000453	1510.26953	2239.13623
2290.0	0.000434	1509.53198	2243.38232
2224.0	0.000453	1508.79626	2245.11328
2192.0	0.000453	1508.06201	2244.16333
2158.0	0.000473	1507.32898	2240.42798
2291.0	0.000434	1506.59766	2233.87183
2193.0	0.000453	1505.86768	2224.52393
2241.0	0.000453	1505.13940	2212.47656

2166.0	0.000453	1504.41235	2197.87598
2121.0	0.000473	1503.68713	2180.91455
2051.0	0.000494	1502.96338	2161.81885
2111.0	0.000473	1502.24084	2140.83887
2038.0	0.000494	1501.52002	2118.23853
1993.0	0.000494	1500.80054	2094.28857
1982.0	0.000494	1500.08276	2069.25439
1946.0	0.000517	1499.36633	2044.97131
1845.0	0.000541	1498.65149	2018.55469
1846.0	0.000541	1497.93799	1991.79907
1855.0	0.000541	1497.22632	1964.92310
1816.0	0.000541	1496.51599	1938.31433
1738.0	0.000567	1495.80701	1911.78442
1720.0	0.000595	1495.09985	1885.68323
1738.0	0.000567	1494.39380	1860.15723
1630.0	0.000625	1493.68958	1835.33435
1695.0	0.000595	1492.98657	1811.32422
1640.0	0.000595	1492.28540	1788.21875
1666.0	0.000595	1491.58545	1766.09253
1573.0	0.000625	1490.88721	1745.00366
1565.0	0.000625	1490.19055	1724.99377
1669.0	0.000595	1489.49512	1706.09033
1574.0	0.000625	1488.80139	1688.30762
1617.0	0.000625	1488.10901	1671.64563
1560.0	0.000657	1487.41833	1656.09436
1587.0	0.000625	1486.72888	1641.63293
1557.0	0.000657	1486.04126	1628.23254
1541.0	0.000657	1485.35510	1615.85632
1572.0	0.000625	1484.67017	1604.46130
1561.0	0.000625	1483.98706	1594.00073
1587.0	0.000625	1483.30518	1584.42200
1550.0	0.000657	1482.62500	1575.67285
1556.0	0.000657	1481.94617	1567.69727
1484.0	0.000657	1481.26904	1560.44055
1496.0	0.000657	1480.59314	1553.84619
1545.0	0.000657	1479.91907	1547.86133
1513.0	0.000657	1479.24646	1542.43250
1497.0	0.000657	1478.57507	1537.50940
1485.0	0.000657	1477.90552	1533.04419
1462.0	0.000693	1477.23718	1528.99146
1502.0	0.000657	1476.57056	1525.30908
1500.0	0.000657	1475.90527	1521.95740
1533.0	0.000657	1475.24170	1518.90100
1487.0	0.000657	1474.57935	1516.10645
1479.0	0.000693	1473.91882	1513.54456
1554.0	0.000657	1473.25977	1511.18738
1486.0	0.000657	1472.60193	1509.01123
1502.0	0.000657	1471.94592	1506.99475
1467.0	0.000693	1471.29114	1505.11804
1518.0	0.000657	1470.63806	1503.36475
1444.0	0.000693	1469.98621	1501.71985
1488.0	0.000657	1469.33618	1500.17065
1452.0	0.000693	1468.68762	1498.70581
1459.0	0.000693	1468.04041	1497.31567

1523.0	0.000657	1467.39490	1495.99133
1466.0	0.000693	1466.75061	1494.72595
1517.0	0.000657	1466.10803	1493.51355
1450.0	0.000693	1465.46680	1492.34814
1469.0	0.000693	1464.82727	1491.22607
1493.0	0.000657	1464.18896	1490.14282
1500.0	0.000657	1463.55237	1489.09570
1493.0	0.000657	1462.91736	1488.08215
1486.0	0.000657	1462.28357	1487.09937
1453.0	0.000693	1461.65149	1486.14624
1479.0	0.000693	1461.02075	1485.22021
1449.0	0.000693	1460.39160	1484.32166
1499.0	0.000657	1459.76379	1483.44897
1470.0	0.000693	1459.13770	1482.60242
1450.0	0.000693	1458.51294	1481.78101
1484.0	0.000657	1457.88989	1481.03845
1496.0	0.000657	1457.26831	1480.27002
1498.0	0.000657	1456.64795	1479.52905
1446.0	0.000693	1456.02930	1478.81775
1494.0	0.000657	1455.41199	1478.13818
1449.0	0.000693	1454.79639	1477.49353
1461.0	0.000693	1454.18188	1476.88708
1417.0	0.000693	1453.56934	1476.32446
1535.0	0.000657	1452.95813	1475.81104
1445.0	0.000693	1452.34827	1475.35339
1488.0	0.000657	1451.73999	1474.95923
1510.0	0.000657	1451.13306	1474.63782
1523.0	0.000657	1450.52783	1474.39966
1415.0	0.000693	1449.92383	1474.25452
1465.0	0.000693	1449.32153	1474.21460
1485.0	0.000657	1448.72058	1474.29126
1477.0	0.000693	1448.12134	1474.49683
1498.0	0.000657	1447.52344	1474.84143
1417.0	0.000693	1446.92688	1475.33484
1465.0	0.000693	1446.33203	1475.98572
1464.0	0.000693	1445.73840	1476.79846
1488.0	0.000657	1445.14648	1477.77527
1442.0	0.000693	1444.55579	1478.91394
1495.0	0.000657	1443.96680	1480.20691
1456.0	0.000693	1443.37915	1481.64075
1492.0	0.000657	1442.79309	1483.19580
1405.0	0.000730	1442.20850	1484.84424
1533.0	0.000657	1441.62524	1486.54932
1519.0	0.000657	1441.04358	1488.26416
1512.0	0.000657	1440.46326	1489.93127
1486.0	0.000657	1439.88464	1491.48169
1565.0	0.000625	1439.30713	1492.83728
1509.0	0.000657	1438.73145	1493.91455
1521.0	0.000657	1438.15710	1494.63123
1536.0	0.000657	1437.58411	1494.91626
1531.0	0.000657	1437.01270	1494.72131
1464.0	0.000693	1436.44250	1494.02686
1532.0	0.000657	1435.87415	1492.84912
1501.0	0.000657	1435.30688	1491.23315

1512.0	0.000657	1434.74133	1489.24902
1594.0	0.000625	1434.17712	1486.97839
1508.0	0.000657	1433.61438	1484.50549
1456.0	0.000693	1433.05322	1481.91077
1529.0	0.000657	1432.49329	1479.26379
1584.0	0.000625	1431.93506	1476.62549
1510.0	0.000657	1431.37793	1474.04370
1495.0	0.000657	1430.82251	1471.55859
1508.0	0.000657	1430.26843	1469.19885
1502.0	0.000657	1429.71594	1466.98730
1468.0	0.000693	1429.16467	1464.93909
1445.0	0.000693	1428.61499	1463.06348
1486.0	0.000657	1428.06677	1461.37427
1497.0	0.000657	1427.51990	1459.85437
1478.0	0.000693	1426.97461	1458.51001
1513.0	0.000657	1426.43054	1457.33582
1475.0	0.000693	1425.88806	1456.32495
1503.0	0.000657	1425.34680	1455.47034
1384.0	0.000730	1424.80725	1454.76343
1520.0	0.000657	1424.26917	1454.19617
1447.0	0.000693	1423.73218	1453.76147
1416.0	0.000693	1423.19690	1453.45313
1508.0	0.000657	1422.66284	1453.26611
1363.0	0.000730	1422.13037	1453.19678
1460.0	0.000693	1421.59912	1453.24414
1531.0	0.000657	1421.06946	1453.40771
1470.0	0.000693	1420.54114	1453.68835
1415.0	0.000693	1420.01428	1454.08936
1456.0	0.000693	1419.48889	1454.61584
1523.0	0.000657	1418.96472	1455.27295
1519.0	0.000657	1418.44226	1456.06824
1480.0	0.000693	1417.92090	1457.00989
1429.0	0.000693	1417.40112	1458.10730
1445.0	0.000693	1416.88257	1459.37024
1514.0	0.000657	1416.36572	1460.81079
1513.0	0.000657	1415.84998	1462.43945
1416.0	0.000693	1415.33582	1464.26892
1485.0	0.000657	1414.82312	1466.31201
1455.0	0.000693	1414.31165	1468.58130
1632.0	0.000625	1413.80164	1471.08923
1498.0	0.000657	1413.29297	1474.28064
1496.0	0.000657	1412.78577	1477.30896
1539.0	0.000657	1412.27979	1480.61462
1527.0	0.000657	1411.77551	1484.20935
1525.0	0.000657	1411.27246	1488.10461
1559.0	0.000657	1410.77063	1492.30994
1567.0	0.000625	1410.27039	1496.83533
1526.0	0.000657	1409.77136	1501.68811
1485.0	0.000657	1409.27393	1506.87537
1506.0	0.000657	1408.77759	1512.40125
1572.0	0.000625	1408.28296	1518.26917
1576.0	0.000625	1407.78931	1524.48035
1524.0	0.000657	1407.29736	1531.03430
1544.0	0.000657	1406.80676	1537.92712

1536.0	0.000657	1406.31726	1545.25232
1613.0	0.000625	1405.82935	1552.80542
1626.0	0.000625	1405.34265	1560.67383
1634.0	0.000625	1404.85754	1568.84485
1623.0	0.000625	1404.37354	1577.30286
1627.0	0.000625	1403.89099	1586.03015
1694.0	0.000595	1403.40967	1595.00598
1640.0	0.000625	1402.92993	1604.20667
1670.0	0.000595	1402.45154	1613.60718
1674.0	0.000595	1401.97437	1623.17834
1718.0	0.000595	1401.49854	1632.89001
1741.0	0.000567	1401.02393	1642.70850
1809.0	0.000541	1400.55090	1652.59863
1820.0	0.000541	1400.07898	1662.52209
1806.0	0.000567	1399.60864	1672.43860
1786.0	0.000567	1399.13953	1682.30591
1847.0	0.000541	1398.67175	1692.08020
1873.0	0.000541	1398.20532	1701.71594
1751.0	0.000567	1397.74011	1711.16663
1740.0	0.000567	1397.27637	1720.38513
1828.0	0.000541	1396.81372	1729.32483
1874.0	0.000541	1396.35254	1737.94153
1943.0	0.000517	1395.89270	1746.19128
2022.0	0.000494	1395.43408	1754.34436
1945.0	0.000517	1394.97693	1761.74976
1934.0	0.000517	1394.52100	1768.68494
1952.0	0.000517	1394.06641	1775.12854
1931.0	0.000517	1393.61292	1781.06470
1990.0	0.000494	1393.16101	1786.48828
2021.0	0.000494	1392.71021	1791.39856
2006.0	0.000494	1392.26074	1795.80554
2030.0	0.000494	1391.81262	1799.72510
1973.0	0.000517	1391.36572	1803.17834
1983.0	0.000494	1390.92029	1806.19263
1965.0	0.000517	1390.47595	1808.79797
1994.0	0.000494	1390.03296	1811.02966
1968.0	0.000517	1389.59119	1812.92395
2010.0	0.000494	1389.15076	1814.51929
1966.0	0.000517	1388.71155	1815.85852
1953.0	0.000517	1388.27380	1816.98877
1907.0	0.000517	1387.83716	1817.96436
1937.0	0.000517	1387.40173	1818.66943
2043.0	0.000494	1386.96777	1819.55908
1926.0	0.000517	1386.53479	1820.56152
1917.0	0.000517	1386.10339	1821.82727
1902.0	0.000517	1385.67297	1823.55481
1955.0	0.000517	1385.24390	1826.00623
1965.0	0.000517	1384.81604	1829.51672
1964.0	0.000517	1384.38953	1834.51074
2033.0	0.000494	1383.96436	1841.50781
1928.0	0.000517	1383.54016	1851.12939
2061.0	0.000494	1383.11743	1864.09705
1975.0	0.000517	1382.69568	1881.25256
2090.0	0.000473	1382.27551	1903.42249

2090.0	0.000473	1381.85620	1931.56238
2118.0	0.000473	1381.43835	1966.60352
2246.0	0.000453	1381.02173	2009.42908
2123.0	0.000473	1380.60632	2060.81787
2290.0	0.000434	1380.19214	2121.37402
2316.0	0.000434	1379.77905	2191.45825
2310.0	0.000434	1379.36731	2271.10840
2391.0	0.000416	1378.95667	2359.95898
2368.0	0.000416	1378.54736	2457.14990
2560.0	0.000384	1378.13916	2561.22510
2560.0	0.000384	1377.73230	2670.01221
2616.0	0.000384	1377.32654	2780.48877
2766.0	0.000356	1376.92188	2888.66455
2708.0	0.000370	1376.51868	2989.53516
2846.0	0.000356	1376.11633	3077.22803
2853.0	0.000356	1375.71545	3145.46045
2893.0	0.0003429	1375.31555	3188.37183
2977.0	0.0003306	1374.91699	3201.61475
3069.0	0.0003306	1374.51953	3183.34351
3033.0	0.0003306	1374.12329	3134.68213
3054.0	0.0003306	1373.72827	3059.43433
2949.0	0.0003429	1373.33423	2963.18262
2839.0	0.000356	1372.94153	2852.18970
2850.0	0.000356	1372.54993	2732.47803
2567.0	0.000384	1372.15955	2609.28564
2587.0	0.000384	1371.77026	2486.85645
2481.0	0.000400	1371.38220	2368.45020
2321.0	0.000434	1370.99512	2256.45386
2181.0	0.000453	1370.60938	2152.51538
2080.0	0.000473	1370.22485	2057.66626
1978.0	0.000517	1369.84119	1972.43152
1940.0	0.000517	1369.45886	1896.99866
1812.0	0.000541	1369.07764	1830.99158
1833.0	0.000541	1368.69751	1774.01111
1791.0	0.000567	1368.31848	1725.40088
1786.0	0.000567	1367.94067	1684.38855
1722.0	0.000595	1367.56396	1650.14746
1642.0	0.000595	1367.18835	1621.84290
1649.0	0.000595	1366.81384	1598.67407
1634.0	0.000625	1366.44043	1579.90063
1565.0	0.000625	1366.06824	1564.86194
1568.0	0.000625	1365.69702	1552.98376
1596.0	0.000625	1365.32703	1543.78223
1538.0	0.000657	1364.95801	1536.85901
1566.0	0.000625	1364.59021	1531.89380
1565.0	0.000625	1364.22351	1528.63245
1629.0	0.000625	1363.85767	1526.87817
1553.0	0.000657	1363.49316	1526.48022
1608.0	0.000625	1363.12964	1527.32178
1579.0	0.000625	1362.76721	1529.31140
1592.0	0.000625	1362.40588	1532.37512
1657.0	0.000595	1362.04565	1536.44873
1499.0	0.000657	1361.68640	1541.47253
1512.0	0.000657	1361.32837	1547.38550

1600.0	0.000625	1360.97131	1554.12317
1593.0	0.000625	1360.61523	1561.61267
1642.0	0.000595	1360.26038	1569.77112
1599.0	0.000625	1359.90637	1578.50415
1576.0	0.000625	1359.55359	1587.70300
1661.0	0.000595	1359.20166	1597.24524
1704.0	0.000595	1358.85095	1606.99316
1683.0	0.000595	1358.50134	1616.79248
1607.0	0.000625	1358.15259	1627.23413
1681.0	0.000595	1357.80505	1636.62317
1708.0	0.000595	1357.45837	1645.51904
1745.0	0.000567	1357.11279	1653.72131
1703.0	0.000595	1356.76819	1661.02795
1659.0	0.000595	1356.42468	1667.24536
1745.0	0.000567	1356.08215	1672.19690
1808.0	0.000541	1355.74060	1675.73657
1684.0	0.000595	1355.40027	1677.76294
1737.0	0.000567	1355.06067	1678.22437
1781.0	0.000567	1354.72217	1677.12976
1671.0	0.000595	1354.38464	1674.54797
1797.0	0.000567	1354.04822	1670.60144
1655.0	0.000595	1353.71265	1665.45728
1640.0	0.000625	1353.37817	1659.31543
1594.0	0.000625	1353.04456	1652.39282
1629.0	0.000625	1352.71204	1644.91321
1651.0	0.000595	1352.38049	1637.09558
1613.0	0.000625	1352.04980	1629.14661
1656.0	0.000595	1351.72021	1621.25854
1617.0	0.000625	1351.39148	1613.60181
1565.0	0.000625	1351.06384	1606.32800
1565.0	0.000625	1350.73694	1599.56689
1594.0	0.000625	1350.41125	1593.42676
1581.0	0.000625	1350.08643	1587.99573
1511.0	0.000657	1349.76245	1583.34082
1594.0	0.000625	1349.43958	1579.51099
1532.0	0.000657	1349.11755	1576.53479
1507.0	0.000657	1348.79639	1574.42371
1590.0	0.000625	1348.47620	1573.17261
1501.0	0.000657	1348.15710	1572.76086
1505.0	0.000657	1347.83862	1573.15198
1504.0	0.000657	1347.52136	1574.29871
1458.0	0.000693	1347.20496	1576.14136
1519.0	0.000657	1346.88940	1578.60974
1531.0	0.000657	1346.57483	1581.62610
1552.0	0.000657	1346.26099	1585.10535
1459.0	0.000693	1345.94824	1588.95667
1496.0	0.000657	1345.63623	1593.08459
1519.0	0.000657	1345.32532	1597.39111
1574.0	0.000625	1345.01514	1601.77502
1492.0	0.000657	1344.70593	1606.13623
1570.0	0.000625	1344.39758	1610.37305
1530.0	0.000657	1344.09009	1614.38733
1537.0	0.000657	1343.78357	1618.08276
1546.0	0.000657	1343.47778	1621.36804

1536.0	0.000657	1343.17297	1624.15881
1538.0	0.000657	1342.86890	1626.37756
1553.0	0.000657	1342.56580	1627.16370
1526.0	0.000657	1342.26355	1628.05261
1592.0	0.000625	1341.96216	1628.20288
1484.0	0.000657	1341.66162	1627.58386
1553.0	0.000657	1341.36182	1626.17944
1501.0	0.000657	1341.06299	1623.98865
1540.0	0.000657	1340.76489	1621.02197
1529.0	0.000657	1340.46765	1617.30542
1575.0	0.000625	1340.17126	1612.87219
1504.0	0.000657	1339.87585	1607.76868
1449.0	0.000693	1339.58105	1602.04602
1503.0	0.000657	1339.28711	1595.76331
1496.0	0.000657	1338.99414	1588.98206
1473.0	0.000693	1338.70178	1581.76538
1454.0	0.000693	1338.41040	1574.17871
1432.0	0.000693	1338.11963	1566.28577
1486.0	0.000657	1337.82983	1558.14990
1502.0	0.000657	1337.54065	1549.83081
1422.0	0.000693	1337.25244	1541.38684
1449.0	0.000693	1336.96497	1532.87305
1496.0	0.000657	1336.67822	1524.33984
1427.0	0.000693	1336.39246	1515.83679
1429.0	0.000693	1336.10718	1507.40662
1466.0	0.000693	1335.82288	1499.09021
1417.0	0.000693	1335.53918	1490.92432
1422.0	0.000693	1335.25647	1482.94189
1441.0	0.000693	1334.97437	1475.17200
1435.0	0.000693	1334.69299	1467.64014
1465.0	0.000693	1334.41248	1460.36853
1414.0	0.000693	1334.13257	1453.37463
1427.0	0.000693	1333.85364	1446.67407
1441.0	0.000693	1333.57520	1440.27795
1357.0	0.000730	1333.29761	1434.19568
1438.0	0.000693	1333.02075	1428.43201
1411.0	0.000693	1332.74463	1422.98987
1392.0	0.000730	1332.46924	1417.87036
1437.0	0.000693	1332.19458	1413.07092
1374.0	0.000730	1331.92065	1408.58801
1408.0	0.000693	1331.64734	1404.41614
1370.0	0.000730	1331.37488	1400.54761
1403.0	0.000730	1331.10291	1396.97400
1372.0	0.000730	1330.83179	1393.68616
1373.0	0.000730	1330.56140	1390.67346
1443.0	0.000693	1330.29163	1387.92529
1385.0	0.000730	1330.02271	1385.43018
1389.0	0.000730	1329.75427	1383.17615
1421.0	0.000693	1329.48657	1381.15344
1386.0	0.000730	1329.21948	1379.35022
1393.0	0.000730	1328.95325	1377.75647
1405.0	0.000730	1328.68750	1376.36206
1423.0	0.000693	1328.42261	1375.15930
1422.0	0.000693	1328.15820	1374.14014

1357.0	0.000730	1327.89453	1373.29883
1399.0	0.000730	1327.63159	1372.63184
1387.0	0.000730	1327.36914	1372.13635
1450.0	0.000693	1327.10742	1371.81348
1429.0	0.000693	1326.84631	1371.66650
1381.0	0.000730	1326.58594	1371.70129
1419.0	0.000693	1326.32605	1371.92786
1435.0	0.000693	1326.06689	1372.36145
1410.0	0.000693	1325.80835	1373.02051
1436.0	0.000693	1325.55042	1373.92908
1391.0	0.000730	1325.29309	1375.11804
1377.0	0.000730	1325.03638	1376.62341
1428.0	0.000693	1324.78027	1378.48914
1396.0	0.000730	1324.52478	1380.76440
1452.0	0.000693	1324.26990	1383.50793
1481.0	0.000693	1324.01550	1386.78491
1428.0	0.000693	1323.76196	1390.66821
1489.0	0.000657	1323.50879	1395.23633
1487.0	0.000657	1323.25623	1400.57446
1496.0	0.000657	1323.00439	1406.77258
1479.0	0.000693	1322.75293	1413.92322
1540.0	0.000657	1322.50220	1422.12085
1580.0	0.000625	1322.25183	1431.45728
1538.0	0.000657	1322.00232	1442.02112
1544.0	0.000657	1321.75317	1453.89209
1563.0	0.000625	1321.50464	1467.14075
1663.0	0.000595	1321.25671	1481.82178
1602.0	0.000625	1321.00928	1497.97168
1639.0	0.000625	1320.76233	1515.60425
1650.0	0.000595	1320.51599	1534.70837
1723.0	0.000567	1320.27014	1555.24182
1703.0	0.000595	1320.02490	1577.13123
1706.0	0.000595	1319.78015	1600.26587
1780.0	0.000567	1319.53601	1624.49609
1850.0	0.000541	1319.29224	1649.63025
1893.0	0.000517	1319.04907	1675.43311
1956.0	0.000517	1318.80640	1701.62024
1953.0	0.000517	1318.56421	1727.85925
1969.0	0.000517	1318.32251	1753.76990
1991.0	0.000494	1318.08142	1778.92407
2048.0	0.000494	1317.84070	1802.85388
2088.0	0.000473	1317.60059	1825.06653
2087.0	0.000473	1317.36096	1845.06531
2108.0	0.000473	1317.12170	1862.37781
2183.0	0.000453	1316.88306	1876.59656
2207.0	0.000453	1316.64478	1887.41187
2213.0	0.000453	1316.40698	1894.64563
2162.0	0.000453	1316.16968	1898.27026
2197.0	0.000453	1315.93286	1898.40662
2195.0	0.000453	1315.69653	1895.30872
2200.0	0.000453	1315.46057	1889.32837
2156.0	0.000473	1315.22522	1880.87512
2184.0	0.000453	1314.99011	1870.37378
2051.0	0.000494	1314.75562	1858.22974

2014.0	0.000494	1314.52136	1844.80090
2109.0	0.000473	1314.28772	1830.38037
1958.0	0.000517	1314.05444	1815.18494
1941.0	0.000517	1313.82166	1799.35461
1882.0	0.000541	1313.58936	1782.95532
1788.0	0.000567	1313.35730	1765.99280
1750.0	0.000567	1313.12573	1748.44104
1771.0	0.000567	1312.89453	1730.27844
1774.0	0.000567	1312.66382	1711.53613
1686.0	0.000595	1312.43347	1692.32971
1692.0	0.000595	1312.20361	1672.86511
1686.0	0.000595	1311.97400	1653.59546
1660.0	0.000595	1311.74487	1634.44861
1640.0	0.000595	1311.51624	1615.87488
1561.0	0.000625	1311.28772	1598.09656
1581.0	0.000625	1311.05981	1581.27612
1587.0	0.000625	1310.83215	1565.52100
1556.0	0.000657	1310.60498	1550.88721
1635.0	0.000625	1310.37805	1537.39063
1538.0	0.000657	1310.15161	1525.01331
1532.0	0.000657	1309.92554	1513.71082
1521.0	0.000657	1309.69958	1503.42053
1511.0	0.000657	1309.47424	1494.06555
1518.0	0.000657	1309.24915	1485.55969
1539.0	0.000657	1309.02441	1477.81433
1599.0	0.000625	1308.80005	1470.73779
1609.0	0.000625	1308.57593	1464.24219
1584.0	0.000625	1308.35217	1458.24426
1532.0	0.000657	1308.12891	1452.66772
1544.0	0.000657	1307.90576	1447.44312
1477.0	0.000693	1307.68311	1442.51160
1526.0	0.000657	1307.46069	1437.82117
1541.0	0.000657	1307.23853	1433.32922
1439.0	0.000693	1307.01672	1429.00244
1503.0	0.000657	1306.79517	1424.81372
1515.0	0.000657	1306.57410	1420.74255
1469.0	0.000693	1306.35315	1416.77466
1451.0	0.000693	1306.13257	1412.89990
1409.0	0.000693	1305.91235	1409.11279
1421.0	0.000693	1305.69226	1405.40906
1445.0	0.000693	1305.47253	1401.78943
1457.0	0.000693	1305.25305	1398.25452
1444.0	0.000693	1305.03394	1394.92688
1417.0	0.000693	1304.81494	1391.57141
1436.0	0.000693	1304.59644	1388.41199
1445.0	0.000693	1304.37805	1385.25269
1431.0	0.000693	1304.15991	1382.19849
1417.0	0.000693	1303.94214	1379.25391
1457.0	0.000693	1303.72449	1376.42310
1420.0	0.000693	1303.50720	1373.71118
1428.0	0.000693	1303.29004	1371.12158
1397.0	0.000730	1303.07324	1368.65808
1369.0	0.000730	1302.85657	1366.32349
1427.0	0.000693	1302.64014	1364.11902

1427.0	0.000693	1302.42407	1362.04871
1356.0	0.000730	1302.20813	1360.11157
1374.0	0.000730	1301.99243	1358.30969
1456.0	0.000693	1301.77698	1356.64258
1367.0	0.000730	1301.56165	1355.10962
1452.0	0.000693	1301.34656	1353.70972
1352.0	0.000730	1301.13171	1352.44177
1423.0	0.000693	1300.91711	1351.30420
1402.0	0.000730	1300.70264	1350.29529
1402.0	0.000730	1300.48840	1349.41174
1371.0	0.000730	1300.27429	1348.65234
1398.0	0.000730	1300.06055	1348.01440
1439.0	0.000693	1299.84680	1347.49512
1412.0	0.000693	1299.63342	1347.09277
1365.0	0.000730	1299.42004	1346.80530
1473.0	0.000693	1299.20691	1346.63123
1335.0	0.000730	1298.99390	1346.56812
1380.0	0.000730	1298.78113	1346.61609
1398.0	0.000730	1298.56848	1346.77466
1379.0	0.000730	1298.35596	1347.04504
1506.0	0.000657	1298.14368	1347.42798
1428.0	0.000693	1297.93152	1347.92700
1379.0	0.000730	1297.71948	1348.54578
1386.0	0.000730	1297.50757	1349.29102
1421.0	0.000693	1297.29590	1350.17065
1416.0	0.000693	1297.08435	1351.19531
1464.0	0.000693	1296.87280	1352.37927
1424.0	0.000693	1296.66162	1353.74109
1398.0	0.000730	1296.45032	1355.30261
1442.0	0.000693	1296.23926	1357.09253
1532.0	0.000657	1296.02832	1359.14600
1460.0	0.000693	1295.81750	1361.50525
1439.0	0.000693	1295.60669	1364.22253
1487.0	0.000657	1295.39612	1367.35950
1463.0	0.000693	1295.18567	1370.99097
1465.0	0.000693	1294.97522	1375.20349
1537.0	0.000657	1294.76501	1380.09802
1557.0	0.000657	1294.55481	1385.79102
1525.0	0.000657	1294.34473	1392.41589
1560.0	0.000657	1294.13464	1400.12000
1565.0	0.000625	1293.92468	1409.06958
1679.0	0.000595	1293.71484	1419.44238
1686.0	0.000595	1293.50513	1431.43176
1650.0	0.000595	1293.29541	1445.23914
1701.0	0.000595	1293.08582	1461.07300
1684.0	0.000595	1292.87622	1479.14331
1752.0	0.000567	1292.66675	1499.65503
1640.0	0.000625	1292.45740	1522.80066
1765.0	0.000567	1292.24792	1548.90356
1869.0	0.000541	1292.03870	1577.81091
1854.0	0.000541	1291.82947	1609.78003
1893.0	0.000517	1291.62024	1644.87292
1948.0	0.000517	1291.41101	1683.09558
1965.0	0.000517	1291.20190	1724.39038

1997.0	0.000494	1290.99280	1768.68933
2029.0	0.000494	1290.78369	1815.65674
2185.0	0.000453	1290.57483	1865.05408
2141.0	0.000473	1290.36572	1916.48389
2186.0	0.000453	1290.15686	1969.44763
2280.0	0.000434	1289.94788	2023.33386
2366.0	0.000416	1289.73901	2077.41553
2438.0	0.000416	1289.53015	2130.84912
2392.0	0.000416	1289.32117	2182.67749
2407.0	0.000416	1289.11230	2231.84766
2514.0	0.000400	1288.90344	2277.24512
2726.0	0.000370	1288.69458	2317.75000
2734.0	0.000370	1288.48572	2352.31421
2746.0	0.000370	1288.27686	2380.05420
2637.0	0.000384	1288.06799	2400.34229
2791.0	0.000356	1287.85901	2412.88281
2677.0	0.000370	1287.65015	2417.74219
2712.0	0.000370	1287.44116	2415.34058
2658.0	0.000370	1287.23230	2406.38965
2660.0	0.000370	1287.02332	2391.80762
2649.0	0.000384	1286.81433	2372.62061
2596.0	0.000384	1286.60535	2349.87817
2486.0	0.000400	1286.39636	2324.58130
2527.0	0.000400	1286.18726	2297.63525
2373.0	0.000416	1285.97815	2269.82788
2292.0	0.000434	1285.76904	2241.81348
2224.0	0.000453	1285.55969	2214.11719
2243.0	0.000453	1285.35046	2187.17139
2163.0	0.000453	1285.14124	2161.16626
2036.0	0.000494	1284.93188	2136.30029
2129.0	0.000473	1284.72253	2112.62500
2037.0	0.000494	1284.51306	2090.09839
2040.0	0.000494	1284.30347	2068.60107
1976.0	0.000517	1284.09387	2047.94617
1953.0	0.000517	1283.88428	2027.90149
1918.0	0.000517	1283.67444	2008.37158
1885.0	0.000541	1283.46472	1988.77722
1936.0	0.000517	1283.25488	1969.04089
1831.0	0.000541	1283.04492	1948.96570
1845.0	0.000541	1282.83496	1928.40918
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1820.0	0.000541	1282.41455	1885.24512
1747.0	0.000567	1282.20422	1862.99475
1840.0	0.000541	1281.99390	1840.26685
1690.0	0.000595	1281.78333	1817.16248
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1754.0	0.000567	1281.36218	1770.30640
1785.0	0.000567	1281.15137	1746.80542
1597.0	0.000625	1280.94043	1723.42102
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1623.0	0.000625	1280.51831	1677.46045
1599.0	0.000625	1280.30701	1655.09253
1580.0	0.000625	1280.09570	1633.25647
1465.0	0.000693	1279.88416	1612.03406

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1544.0	0.000657	1279.24902	1552.70117
1529.0	0.000657	1279.03711	1534.53552
1488.0	0.000657	1278.82495	1517.23315
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1398.0	0.000730	1278.40027	1485.28796
1441.0	0.000693	1278.18787	1470.65747
1410.0	0.000693	1277.97522	1456.91504
1459.0	0.000693	1277.76233	1444.04761
1416.0	0.000693	1277.54932	1432.03564
1387.0	0.000730	1277.33618	1420.85425
1402.0	0.000730	1277.12292	1410.47485
1460.0	0.000693	1276.90955	1400.86450
1394.0	0.000730	1276.69592	1391.98816
1291.0	0.000772	1276.48218	1383.80835
1393.0	0.000730	1276.26819	1376.40173
1362.0	0.000730	1276.05420	1369.50037
1381.0	0.000730	1275.83997	1363.17932
1453.0	0.000693	1275.62549	1357.39941
1403.0	0.000730	1275.41089	1352.12317
1271.0	0.000772	1275.19617	1347.31311
1315.0	0.000772	1274.98108	1342.93420
1303.0	0.000772	1274.76599	1338.95190
1337.0	0.000730	1274.55066	1335.33386
1361.0	0.000730	1274.33521	1332.04932
1345.0	0.000730	1274.11951	1329.06958
1282.0	0.000772	1273.90369	1326.36792
1337.0	0.000730	1273.68762	1323.91895
1353.0	0.000730	1273.47131	1321.70081
1370.0	0.000730	1273.25488	1319.69202
1310.0	0.000772	1273.03809	1317.87305
1341.0	0.000730	1272.82129	1316.22717
1363.0	0.000730	1272.60425	1314.73889
1307.0	0.000772	1272.38696	1313.39429
1299.0	0.000772	1272.16956	1312.18115
1252.0	0.000816	1271.95178	1311.08936
1365.0	0.000730	1271.73389	1310.10962
1268.0	0.000772	1271.51575	1309.23413
1273.0	0.000772	1271.29749	1308.45752
1337.0	0.000730	1271.07886	1307.77454
1255.0	0.000816	1270.86011	1307.18274
1350.0	0.000730	1270.64124	1306.68127
1312.0	0.000772	1270.42188	1306.26904
1294.0	0.000772	1270.20251	1305.95093
1189.0	0.000865	1269.98279	1305.73083
1260.0	0.000772	1269.76294	1305.61816
1254.0	0.000816	1269.54272	1305.62610
1324.0	0.000772	1269.32239	1305.77307
1394.0	0.000730	1269.10181	1306.08252
1307.0	0.000772	1268.88098	1306.58740
1269.0	0.000772	1268.65991	1307.32788
1305.0	0.000772	1268.43848	1308.35559
1286.0	0.000772	1268.21704	1309.73413

1305.0	0.000772	1267.99512	1311.53699
1315.0	0.000772	1267.77307	1313.85229
1293.0	0.000772	1267.55078	1316.77808
1275.0	0.000772	1267.32813	1320.42188
1294.0	0.000772	1267.10547	1324.89734
1339.0	0.000730	1266.88232	1330.31775
1393.0	0.000730	1266.65906	1336.79187
1311.0	0.000772	1266.43542	1344.41345
1380.0	0.000730	1266.21155	1353.25378
1291.0	0.000772	1265.98743	1363.35046
1302.0	0.000772	1265.76306	1374.69885
1386.0	0.000730	1265.53833	1387.23840
1396.0	0.000730	1265.31348	1400.84302
1370.0	0.000730	1265.08838	1415.30835
1355.0	0.000730	1264.86279	1430.33423
1409.0	0.000693	1264.63721	1445.51306
1470.0	0.000693	1264.41113	1460.31262
1483.0	0.000657	1264.18494	1474.07397
1436.0	0.000693	1263.95837	1486.03088
1407.0	0.000693	1263.73157	1495.37549
1322.0	0.000772	1263.50439	1501.36487
1489.0	0.000657	1263.27710	1503.46606
1464.0	0.000693	1263.04944	1501.48145
1445.0	0.000693	1262.82141	1495.59827
1365.0	0.000730	1262.59326	1486.34729
1462.0	0.000693	1262.36462	1474.47729
1461.0	0.000693	1262.13586	1460.81677
1370.0	0.000730	1261.90674	1446.15674
1397.0	0.000730	1261.67737	1431.19312
1344.0	0.000730	1261.44775	1416.49780
1379.0	0.000730	1261.21765	1402.52844
1423.0	0.000693	1260.98743	1389.63708
1409.0	0.000693	1260.75684	1378.09106
1341.0	0.000730	1260.52600	1368.08362
1386.0	0.000730	1260.29480	1359.74805
1370.0	0.000730	1260.06335	1353.16663
1361.0	0.000730	1259.83154	1348.37939
1299.0	0.000772	1259.59949	1345.38855
1383.0	0.000730	1259.36719	1344.16711
1369.0	0.000730	1259.13452	1344.65820
1426.0	0.000693	1258.90149	1346.78027
1337.0	0.000730	1258.66809	1350.42395
1377.0	0.000730	1258.43457	1355.45337
1418.0	0.000693	1258.20056	1362.05530
1399.0	0.000730	1257.96643	1369.31189
1371.0	0.000730	1257.73181	1377.32227
1418.0	0.000693	1257.49707	1385.77551
1405.0	0.000730	1257.26184	1394.29138
1378.0	0.000730	1257.02637	1402.41638
1372.0	0.000730	1256.79065	1409.63000
1401.0	0.000730	1256.55444	1415.37378
1400.0	0.000730	1256.31799	1419.11572
1357.0	0.000730	1256.08118	1420.43811
1400.0	0.000730	1255.84424	1419.12695

1361.0	0.000730	1255.60681	1415.21948
1428.0	0.000693	1255.36914	1408.99475
1437.0	0.000693	1255.13110	1400.89954
1318.0	0.000772	1254.89270	1391.45789
1410.0	0.000693	1254.65405	1381.18518
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1415.0	0.000693	1254.17566	1359.89612
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1330.0	0.000772	1253.69592	1339.71423
1349.0	0.000730	1253.45569	1330.54602
1338.0	0.000730	1253.21497	1322.14160
1301.0	0.000772	1252.97400	1314.55237
1370.0	0.000730	1252.73267	1307.79285
1345.0	0.000730	1252.49097	1301.84448
1331.0	0.000772	1252.24902	1296.66675
1274.0	0.000772	1252.00671	1292.20020
1277.0	0.000772	1251.76404	1288.37720
1311.0	0.000772	1251.52100	1285.12134
1304.0	0.000772	1251.27771	1281.70813
1299.0	0.000772	1251.03406	1279.36548
1289.0	0.000772	1250.79016	1277.37317
1281.0	0.000772	1250.54565	1275.67126
1279.0	0.000772	1250.30115	1274.20654
1370.0	0.000730	1250.05603	1272.93396
1327.0	0.000772	1249.81067	1271.81641
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1297.0	0.000772	1249.31897	1269.93274
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1334.0	0.000730	1248.82593	1268.38171
1311.0	0.000772	1248.57886	1267.69568
1300.0	0.000772	1248.33142	1267.05664
1331.0	0.000772	1248.08386	1266.45886
1326.0	0.000772	1247.83569	1265.89661
1318.0	0.000772	1247.58728	1265.36682
1267.0	0.000772	1247.33862	1264.86523
1273.0	0.000772	1247.08948	1264.39063
1262.0	0.000772	1246.84009	1263.94043
1271.0	0.000772	1246.59021	1263.51343
1255.0	0.000816	1246.34009	1263.10889
1300.0	0.000772	1246.08960	1262.72461
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1327.0	0.000772	1245.58765	1262.01685
1292.0	0.000772	1245.33618	1261.69189
1329.0	0.000772	1245.08435	1261.38538
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1251.0	0.000816	1244.07349	1260.33972
1289.0	0.000772	1243.81995	1260.12341
1264.0	0.000772	1243.56604	1259.92517
1275.0	0.000772	1243.31177	1259.74561
1283.0	0.000772	1243.05713	1259.58435
1284.0	0.000772	1242.80225	1259.44299
1278.0	0.000772	1242.54688	1259.32202

1271.0	0.000772	1242.29126	1259.22192
1286.0	0.000772	1242.03528	1259.14429
1259.0	0.000816	1241.77905	1259.09082
1242.0	0.000816	1241.52222	1259.06201
1260.0	0.000816	1241.26526	1259.06116
1201.0	0.000816	1241.00793	1259.09070
1273.0	0.000772	1240.75024	1259.15332
1245.0	0.000816	1240.49219	1259.25342
1242.0	0.000816	1240.23376	1259.39502
1265.0	0.000772	1239.97510	1259.58386
1276.0	0.000772	1239.71594	1259.82666
1260.0	0.000816	1239.45654	1260.13025
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1288.0	0.000772	1238.41553	1262.16882
1280.0	0.000772	1238.15442	1262.95325
1249.0	0.000816	1237.89282	1263.88257
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1316.0	0.000772	1237.36890	1266.27209
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1330.0	0.000772	1236.84363	1269.58594
1287.0	0.000772	1236.58044	1271.64575
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1375.0	0.000730	1235.25952	1287.79224
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1309.0	0.000772	1233.66345	1326.43677
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1487.0	0.000657	1230.70630	1465.93457
1503.0	0.000657	1230.43555	1480.62927
1577.0	0.000625	1230.16455	1494.83728
1598.0	0.000625	1229.89307	1508.26038
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1542.0	0.000657	1229.34924	1531.45911
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1692.0	0.000595	1228.53113	1552.25000
1664.0	0.000595	1228.25781	1554.34338

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1623.0	0.000625	1227.71021	1550.45862
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1616.0	0.000625	1226.88647	1525.83899
1680.0	0.000595	1226.61133	1513.62744
1682.0	0.000595	1226.33582	1499.99121
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1538.0	0.000657	1224.95374	1422.60034
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1488.0	0.000657	1224.39880	1392.22876
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1439.0	0.000693	1223.56433	1351.74060
1447.0	0.000693	1223.28552	1339.94336
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1365.0	0.000730	1222.72705	1319.18970
1336.0	0.000730	1222.44739	1310.15503
1354.0	0.000730	1222.16748	1302.01221
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1283.0	0.000772	1216.51074	1250.33643
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1285.0	0.000772	1215.93933	1250.63245
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1673.0	0.000595	1194.54199	1593.62488
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1478.0	0.000693	1192.15540	1394.33911
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1269.0	0.000772	1184.98535	1241.37036
1231.0	0.000816	1184.68665	1238.37646
1193.0	0.000816	1184.38806	1235.49963
1226.0	0.000816	1184.08948	1232.73767
1275.0	0.000772	1183.79102	1230.08911
1293.0	0.000772	1183.49255	1227.55176
1253.0	0.000816	1183.19397	1225.12317
1220.0	0.000816	1182.89563	1222.80237
1244.0	0.000816	1182.59729	1219.87268
1187.0	0.000865	1182.29907	1217.76282
1279.0	0.000772	1182.00085	1215.75244
1235.0	0.000816	1181.70276	1213.83887
1156.0	0.000865	1181.40479	1212.01929
1235.0	0.000816	1181.10669	1210.29004

1237.0	0.000816	1180.80884	1208.64893
1262.0	0.000772	1180.51099	1207.09143
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1291.0	0.000772	1179.91553	1204.21448
1314.0	0.000772	1179.61804	1202.88782
1222.0	0.000816	1179.32068	1201.63098
1228.0	0.000816	1179.02332	1200.44006
1168.0	0.000865	1178.72607	1199.31177
1246.0	0.000816	1178.42883	1198.24219
1287.0	0.000772	1178.13184	1197.22827
1252.0	0.000816	1177.83484	1196.26611
1203.0	0.000816	1177.53809	1195.35291
1285.0	0.000772	1177.24146	1194.48535
1185.0	0.000865	1176.94495	1193.66003
1198.0	0.000816	1176.64856	1192.87988
1300.0	0.000772	1176.35217	1192.13086
1260.0	0.000816	1176.05603	1191.41663
1158.0	0.000865	1175.76001	1190.73328
1211.0	0.000816	1175.46423	1190.07983
1199.0	0.000816	1175.16846	1189.45313
1196.0	0.000816	1174.87292	1188.85168
1183.0	0.000865	1174.57739	1188.27295
1166.0	0.000865	1174.28223	1187.71631
1260.0	0.000816	1173.98718	1187.17920
1176.0	0.000865	1173.69214	1186.66028
1201.0	0.000816	1173.39746	1186.15857
1218.0	0.000816	1173.10291	1185.67236
1254.0	0.000816	1172.80847	1185.20081
1250.0	0.000816	1172.51416	1184.74243
1150.0	0.000865	1172.22021	1184.29700
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1295.0	0.000772	1171.63269	1183.44031
1241.0	0.000816	1171.33936	1183.02771
1233.0	0.000816	1171.04602	1182.62451
1219.0	0.000816	1170.75305	1182.23071
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1253.0	0.000816	1169.87512	1181.09973
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1251.0	0.000816	1169.29102	1180.38367
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1223.0	0.000816	1165.51770	1176.36987
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1178.0	0.000865	1163.21851	1174.48132
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1146.0	0.000865	1155.89490	1173.31885
1243.0	0.000816	1155.61829	1173.59827
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1236.0	0.000816	1151.79333	1194.40271
1264.0	0.000772	1151.52356	1198.77527
1252.0	0.000816	1151.25427	1203.89294
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1307.0	0.000772	1148.06238	1341.36353
1417.0	0.000693	1147.79980	1358.02417
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1456.0	0.000693	1145.20422	1452.28186
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1412.0	0.000693	1144.18213	1412.44287
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1263.0	0.000772	1141.91785	1270.56995
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1243.0	0.000816	1139.46252	1189.51636
1266.0	0.000772	1139.22070	1186.21472
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1700.0	0.000595	1109.93713	1535.63733
1785.0	0.000567	1109.88599	1541.11951
1827.0	0.000541	1109.83618	1546.80640
1794.0	0.000567	1109.78760	1552.67920
1751.0	0.000567	1109.74023	1558.69043
1767.0	0.000567	1109.69421	1564.76196
1795.0	0.000567	1109.64941	1570.77698
1829.0	0.000541	1109.60583	1576.58008
1847.0	0.000541	1109.56360	1581.96912
1768.0	0.000567	1109.52258	1586.69568
1826.0	0.000541	1109.48279	1590.46521
1728.0	0.000567	1109.44434	1592.94055
1804.0	0.000567	1109.40710	1593.41296
1765.0	0.000567	1109.37122	1592.22253
1772.0	0.000567	1109.33655	1588.70154
1705.0	0.000595	1109.30310	1582.61926
1682.0	0.000595	1109.27100	1573.87146
1750.0	0.000567	1109.24011	1562.50342
1805.0	0.000567	1109.21057	1548.70898
1681.0	0.000595	1109.18225	1532.80347
1708.0	0.000595	1109.15515	1515.18628
1662.0	0.000595	1109.12939	1496.29175
1617.0	0.000625	1109.10498	1476.55334
1580.0	0.000625	1109.08179	1456.37610
1518.0	0.000657	1109.05981	1436.12073
1550.0	0.000657	1109.03931	1416.09937
1488.0	0.000657	1109.01990	1396.57373
1517.0	0.000657	1109.00183	1377.75781
1432.0	0.000693	1108.98511	1359.82251
1425.0	0.000693	1108.96960	1342.89783
1461.0	0.000693	1108.95532	1327.08020
1424.0	0.000693	1108.94238	1312.43298
1378.0	0.000730	1108.93079	1298.99304
1394.0	0.000730	1108.92041	1286.77368
1395.0	0.000730	1108.91138	1275.77087
1326.0	0.000772	1108.90369	1266.05811
1357.0	0.000730	1108.89722	1257.42896
1345.0	0.000730	1108.89197	1249.94495
1363.0	0.000730	1108.88806	1243.57813
1255.0	0.000816	1108.88550	1238.30737

1350.0	0.000730	1108.88416	1234.12061
1357.0	0.000730	1108.88416	1231.02063
1341.0	0.000730	1108.88550	1229.02612
1309.0	0.000772	1108.88806	1228.17444
1368.0	0.000730	1108.89185	1228.52551
1360.0	0.000730	1108.89709	1230.15796
1331.0	0.000772	1108.90344	1233.17273
1285.0	0.000772	1108.91125	1237.69006
1307.0	0.000772	1108.92029	1243.84656
1380.0	0.000730	1108.93066	1251.79041
1353.0	0.000730	1108.94226	1261.67798
1342.0	0.000730	1108.95520	1273.66443
1393.0	0.000730	1108.96936	1287.89697
1375.0	0.000730	1108.98499	1304.50598
1354.0	0.000730	1109.00171	1323.59241
1436.0	0.000693	1109.01990	1345.22009
1424.0	0.000693	1109.03931	1369.40283
1459.0	0.000693	1109.06006	1396.09387
1464.0	0.000693	1109.08203	1425.17688
1451.0	0.000693	1109.10522	1456.45154
1525.0	0.000657	1109.12988	1489.62756
1517.0	0.000657	1109.15576	1524.30933
1514.0	0.000657	1109.18298	1559.98828
1547.0	0.000657	1109.21143	1596.02905
1523.0	0.000657	1109.24121	1631.66418
1601.0	0.000625	1109.27234	1665.99561
1717.0	0.000595	1109.30469	1698.01233
1734.0	0.000567	1109.33838	1726.63525
1720.0	0.000595	1109.37341	1750.79700
1747.0	0.000567	1109.40967	1769.54602
1694.0	0.000595	1109.44714	1782.17261
1668.0	0.000595	1109.48608	1788.31213
1798.0	0.000567	1109.52625	1787.99634
1832.0	0.000541	1109.56763	1781.64233
1667.0	0.000595	1109.61047	1769.96960
1684.0	0.000595	1109.65442	1753.88513
1658.0	0.000595	1109.69983	1734.36243
1680.0	0.000595	1109.74646	1712.34192
1719.0	0.000595	1109.79431	1688.66931
1637.0	0.000625	1109.84351	1664.06091
1602.0	0.000625	1109.89404	1639.09802
1512.0	0.000657	1109.94580	1614.23682
1523.0	0.000657	1109.99890	1589.82288
1518.0	0.000657	1110.05322	1566.11414
1537.0	0.000657	1110.10889	1543.30225
1458.0	0.000693	1110.16589	1521.52881
1414.0	0.000693	1110.22412	1500.89929
1460.0	0.000693	1110.28369	1481.49231
1451.0	0.000693	1110.34448	1463.36035
1464.0	0.000693	1110.40649	1446.53235
1457.0	0.000693	1110.46997	1431.00952
1392.0	0.000730	1110.53455	1416.76721
1461.0	0.000693	1110.60046	1403.75488
1365.0	0.000730	1110.66772	1392.28992

1458.0	0.000693	1110.73621	1381.50171
1374.0	0.000730	1110.80603	1371.67432
1371.0	0.000730	1110.87708	1362.69226
1386.0	0.000730	1110.94946	1354.43970
1319.0	0.000772	1111.02307	1346.79797
1299.0	0.000772	1111.09802	1339.65466
1335.0	0.000730	1111.17419	1332.90173
1331.0	0.000772	1111.25159	1326.44336
1299.0	0.000772	1111.33032	1320.19421
1295.0	0.000772	1111.41028	1314.08362
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1268.0	0.000772	1111.65796	1296.08691
1248.0	0.000816	1111.74304	1290.10425
1306.0	0.000772	1111.82935	1284.11133
1243.0	0.000816	1111.91699	1278.11060
1240.0	0.000816	1112.00586	1272.11121
1240.0	0.000816	1112.09595	1266.12720
1265.0	0.000772	1112.18738	1260.17432
1359.0	0.000730	1112.28003	1254.27124
1168.0	0.000865	1112.37390	1248.43579
1205.0	0.000816	1112.46912	1242.68726
1269.0	0.000772	1112.56543	1237.04443
1190.0	0.000816	1112.66309	1231.52466
1283.0	0.000772	1112.76208	1226.14392
1254.0	0.000816	1112.86230	1220.91809
1167.0	0.000865	1112.96362	1215.85938
1151.0	0.000865	1113.06628	1210.98096
1244.0	0.000816	1113.17029	1206.29248
1198.0	0.000816	1113.27539	1201.80273
1233.0	0.000816	1113.38184	1197.51807
1224.0	0.000816	1113.48938	1193.44336
1248.0	0.000816	1113.59827	1189.58252
1209.0	0.000816	1113.70837	1185.93689
1184.0	0.000865	1113.81970	1182.50696
1206.0	0.000816	1113.93237	1179.29187
1135.0	0.000865	1114.04614	1176.28870
1220.0	0.000816	1114.16113	1173.49426
1144.0	0.000865	1114.27747	1170.93408
1256.0	0.000816	1114.39490	1168.54309
1192.0	0.000816	1114.51367	1166.34509
1194.0	0.000816	1114.63354	1164.33398
1189.0	0.000865	1114.75464	1162.50244
1213.0	0.000816	1114.87708	1160.84485
1200.0	0.000816	1115.00061	1159.35364
1224.0	0.000816	1115.12549	1158.02209
1183.0	0.000865	1115.25146	1156.84387
1155.0	0.000865	1115.37866	1155.81348
1176.0	0.000865	1115.50708	1154.92505
1218.0	0.000816	1115.63672	1154.17371
1141.0	0.000865	1115.76746	1153.55615
1216.0	0.000816	1115.89954	1153.06934
1219.0	0.000816	1116.03271	1152.71143
1186.0	0.000865	1116.16724	1152.48315

1180.0	0.000865	1116.30273	1152.38403
1160.0	0.000865	1116.43958	1152.41858
1212.0	0.000816	1116.57751	1152.69092
1173.0	0.000865	1116.71667	1153.00952
1205.0	0.000816	1116.85706	1153.48242
1249.0	0.000816	1116.99866	1154.12146
1221.0	0.000816	1117.14136	1154.94104
1328.0	0.000772	1117.28516	1155.95813
1209.0	0.000816	1117.43030	1157.19360
1238.0	0.000816	1117.57642	1158.66882
1179.0	0.000865	1117.72388	1160.41150
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1181.0	0.000865	1118.02209	1164.81323
1188.0	0.000865	1118.17310	1167.53784
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1261.0	0.000772	1118.78809	1182.76477
1283.0	0.000772	1118.94470	1187.84045
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1241.0	0.000816	1119.26135	1199.76025
1342.0	0.000730	1119.42139	1206.66357
1317.0	0.000772	1119.58264	1214.29260
1353.0	0.000730	1119.74487	1222.53027
1350.0	0.000730	1119.90845	1231.44946
1344.0	0.000730	1120.07288	1241.04663
1373.0	0.000730	1120.23865	1251.30884
1344.0	0.000730	1120.40540	1262.21057
1372.0	0.000730	1120.57324	1273.71423
1313.0	0.000772	1120.74231	1285.76709
1441.0	0.000693	1120.91248	1298.30103
1448.0	0.000693	1121.08374	1311.23230
1450.0	0.000693	1121.25610	1324.45874
1386.0	0.000730	1121.42957	1337.85974
1468.0	0.000693	1121.60400	1351.29602
1379.0	0.000730	1121.77979	1364.60950
1563.0	0.000625	1121.95642	1377.62244
1438.0	0.000693	1122.13416	1390.14453
1447.0	0.000693	1122.31311	1401.97461
1425.0	0.000693	1122.49304	1412.90808
1439.0	0.000693	1122.67419	1422.74951
1524.0	0.000657	1122.85620	1431.32373
1508.0	0.000657	1123.03943	1438.48645
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1499.0	0.000657	1123.40894	1448.22961
1596.0	0.000625	1123.59534	1450.76489
1501.0	0.000657	1123.78271	1451.79846
1538.0	0.000657	1123.97131	1451.42554
1479.0	0.000693	1124.16077	1449.77112
1517.0	0.000657	1124.35132	1446.97815
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1476.0	0.000693	1124.92920	1433.33569
1499.0	0.000657	1125.12390	1427.38574

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1279.0	0.000772	1128.80005	1280.27563
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1185.0	0.000865	1135.59998	1174.37183
1225.0	0.000816	1135.83997	1174.55847
1221.0	0.000816	1136.08069	1174.89966
1186.0	0.000865	1136.32251	1175.39600
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1173.0	0.000865	1136.80811	1176.84778
1238.0	0.000816	1137.05212	1177.81091

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1227.0	0.000816	1137.54248	1180.23401
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1208.0	0.000816	1139.53491	1197.96045
1212.0	0.000816	1139.78723	1201.30090
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1304.0	0.000772	1141.31689	1228.37878
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1284.0	0.000772	1142.61072	1262.12512
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1513.0	0.000657	1148.49438	1540.02429
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1583.0	0.000625	1149.59436	1598.24255
1545.0	0.000657	1149.87073	1611.91760
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1594.0	0.000625	1150.70288	1649.77942
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1663.0	0.000595	1155.21350	1711.53406
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1665.0	0.000595	1157.22119	1656.64612
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1581.0	0.000625	1158.37671	1616.50354
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1536.0	0.000657	1160.41162	1560.13867
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1466.0	0.000693	1161.28833	1550.02100
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1465.0	0.000693	1162.16760	1551.89575
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1469.0	0.000693	1163.34338	1574.41809
1475.0	0.000693	1163.63806	1583.43237
1472.0	0.000693	1163.93286	1593.63184
1459.0	0.000693	1164.22791	1604.88623
1512.0	0.000657	1164.52307	1617.03577
1514.0	0.000657	1164.81860	1629.89392
1508.0	0.000657	1165.11426	1643.24573
1557.0	0.000657	1165.41028	1656.84888
1516.0	0.000657	1165.70618	1670.43372
1567.0	0.000625	1166.00244	1683.70813
1529.0	0.000657	1166.29895	1696.35852
1554.0	0.000657	1166.59546	1708.05713
1614.0	0.000625	1166.89233	1718.46802

1589.0	0.000625	1167.18921	1727.25977
1550.0	0.000657	1167.48633	1734.11743
1587.0	0.000625	1167.78345	1738.75513
1572.0	0.000625	1168.08081	1740.93591
1636.0	0.000625	1168.37842	1740.48267
1603.0	0.000625	1168.67590	1737.29065
1649.0	0.000595	1168.97375	1731.33545
1607.0	0.000625	1169.27161	1722.67407
1606.0	0.000625	1169.56970	1711.43762
1591.0	0.000625	1169.86768	1697.82361
1539.0	0.000657	1170.16602	1682.08044
1525.0	0.000657	1170.46423	1664.49170
1599.0	0.000625	1170.76257	1645.36072
1473.0	0.000693	1171.06104	1624.99780
1478.0	0.000693	1171.35950	1603.70776
1482.0	0.000657	1171.65820	1581.78369
1439.0	0.000693	1171.95667	1559.49854
1508.0	0.000657	1172.25549	1537.10657
1486.0	0.000657	1172.55420	1514.83545
1432.0	0.000693	1172.85303	1492.88940
1339.0	0.000730	1173.15186	1471.44824
1319.0	0.000772	1173.45056	1450.70422
1313.0	0.000772	1173.74951	1430.71167
1323.0	0.000772	1174.04834	1411.61646
1239.0	0.000816	1174.34729	1393.50134
1336.0	0.000730	1174.64624	1376.43152
1254.0	0.000816	1174.94519	1360.44800
1205.0	0.000816	1175.24402	1345.57495
1233.0	0.000816	1175.54285	1331.82056
1270.0	0.000772	1175.84167	1319.17627
1213.0	0.000816	1176.14050	1307.62048
1275.0	0.000772	1176.43933	1297.25952
1247.0	0.000816	1176.73804	1287.77368
1256.0	0.000816	1177.03687	1279.25085
1258.0	0.000816	1177.33545	1271.63538
1233.0	0.000816	1177.63403	1264.86926
1163.0	0.000865	1177.93262	1258.88940
1295.0	0.000772	1178.23096	1253.63391
1209.0	0.000816	1178.52942	1249.04138
1195.0	0.000816	1178.82764	1245.05127
1132.0	0.000865	1179.12598	1241.60583
1242.0	0.000816	1179.42395	1238.65002
1281.0	0.000772	1179.72205	1236.13330
1178.0	0.000865	1180.01990	1234.00867
1170.0	0.000865	1180.31775	1232.23413
1239.0	0.000816	1180.61536	1230.77209
1203.0	0.000816	1180.91284	1229.59009
1193.0	0.000816	1181.21033	1228.78650
1233.0	0.000816	1181.50745	1228.08472
1188.0	0.000865	1181.80469	1227.59277
1205.0	0.000816	1182.10156	1227.29614
1197.0	0.000816	1182.39844	1227.18579
1134.0	0.000865	1182.69507	1227.25513
1190.0	0.000865	1182.99146	1227.50439

1161.0	0.000865	1183.28772	1227.93628
1198.0	0.000816	1183.58386	1228.55774
1263.0	0.000772	1183.87976	1229.37952
1188.0	0.000865	1184.17554	1230.41553
1243.0	0.000816	1184.47107	1231.68298
1239.0	0.000816	1184.76636	1233.20117
1246.0	0.000816	1185.06152	1235.20361
1203.0	0.000816	1185.35632	1237.28967
1232.0	0.000816	1185.65088	1239.69287
1245.0	0.000816	1185.94543	1242.43408
1194.0	0.000816	1186.23950	1245.53394
1208.0	0.000816	1186.53357	1249.00928
1201.0	0.000816	1186.82727	1252.87317
1228.0	0.000816	1187.12073	1257.13306
1208.0	0.000816	1187.41382	1261.79089
1286.0	0.000772	1187.70679	1266.84192
1259.0	0.000816	1187.99939	1272.27307
1335.0	0.000730	1188.29175	1278.06506
1224.0	0.000816	1188.58386	1284.18884
1217.0	0.000816	1188.87561	1290.61316
1260.0	0.000816	1189.16711	1297.27954
1269.0	0.000772	1189.45825	1304.14661
1266.0	0.000772	1189.74927	1311.14075
1318.0	0.000772	1190.03979	1318.20300
1358.0	0.000730	1190.32996	1325.26831
1308.0	0.000772	1190.61987	1332.27747
1375.0	0.000730	1190.90942	1339.19324
1434.0	0.000693	1191.19873	1346.00903
1342.0	0.000730	1191.48755	1352.76453
1387.0	0.000730	1191.77625	1359.55713
1425.0	0.000693	1192.06433	1366.54565
1359.0	0.000730	1192.35229	1373.94482
1395.0	0.000730	1192.63965	1381.64905
1423.0	0.000693	1192.92676	1390.67444
1486.0	0.000657	1193.21350	1400.94128
1481.0	0.000693	1193.49988	1412.72046
1466.0	0.000693	1193.78589	1426.24597
1519.0	0.000657	1194.07141	1441.70251
1591.0	0.000625	1194.35657	1459.21167
1517.0	0.000657	1194.64124	1478.82007
1585.0	0.000625	1194.92566	1500.49072
1550.0	0.000657	1195.20959	1524.09509
1769.0	0.000567	1195.49304	1549.40271
1653.0	0.000595	1195.77612	1576.07520
1822.0	0.000541	1196.05872	1603.65564
1852.0	0.000541	1196.34106	1631.56274
1934.0	0.000517	1196.62268	1659.08350
2055.0	0.000494	1196.90405	1685.38269
1945.0	0.000517	1197.18494	1709.51563
2054.0	0.000494	1197.46521	1730.48010
2096.0	0.000473	1197.74524	1747.29211
2100.0	0.000473	1198.02466	1759.08984
2094.0	0.000473	1198.30371	1765.25220
2027.0	0.000494	1198.58215	1765.49011

2093.0	0.000473	1198.86023	1759.89233
2085.0	0.000473	1199.13770	1748.89551
1987.0	0.000494	1199.41479	1733.20374
1881.0	0.000541	1199.69128	1713.67517
1931.0	0.000517	1199.96716	1691.21545
1799.0	0.000567	1200.24280	1666.69800
1738.0	0.000567	1200.51770	1640.91125
1704.0	0.000595	1200.79224	1614.54077
1650.0	0.000595	1201.06604	1588.38318
1594.0	0.000625	1201.33948	1562.47095
1533.0	0.000657	1201.61230	1537.40149
1447.0	0.000693	1201.88477	1513.46814
1474.0	0.000693	1202.15637	1490.88525
1456.0	0.000693	1202.42761	1469.80334
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1439.0	0.000693	1202.96838	1432.43713
1366.0	0.000730	1203.23792	1416.18018
1374.0	0.000730	1203.50684	1401.49585
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1256.0	0.000816	1205.37305	1335.34717
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1320.0	0.000772	1205.90076	1324.98401
1306.0	0.000772	1206.16382	1321.06714
1284.0	0.000772	1206.42603	1317.79883
1237.0	0.000816	1206.68774	1315.13550
1262.0	0.000772	1206.94885	1313.03772
1295.0	0.000772	1207.20923	1311.47205
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1262.0	0.000772	1207.72815	1309.81274
1188.0	0.000865	1207.98669	1309.65918
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1348.0	0.000730	1208.75818	1311.50598
1346.0	0.000730	1209.01404	1312.76465
1257.0	0.000816	1209.26917	1314.27271
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1295.0	0.000772	1210.28308	1321.70349
1236.0	0.000816	1210.53479	1323.60071
1315.0	0.000772	1210.78577	1325.37878
1282.0	0.000772	1211.03613	1326.96753
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1266.0	0.000772	1213.74231	1320.87219
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1226.0	0.000816	1214.46484	1313.10718
1285.0	0.000772	1214.70435	1310.46057
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1282.0	0.000772	1219.32678	1326.44946
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1366.0	0.000730	1219.77136	1340.17004
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1557.0	0.000657	1223.20691	1522.26868
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1597.0	0.000625	1243.11267	1547.69775
1555.0	0.000657	1243.20801	1547.27319
1535.0	0.000657	1243.30273	1546.29114
1580.0	0.000625	1243.39685	1544.93860
1568.0	0.000625	1243.49036	1543.11328
1537.0	0.000657	1243.58313	1541.54895
1562.0	0.000625	1243.67529	1540.10596
1517.0	0.000657	1243.76672	1538.90869
1534.0	0.000657	1243.85767	1538.05762
1539.0	0.000657	1243.94788	1537.05518
1525.0	0.000657	1244.03760	1537.09448
1530.0	0.000657	1244.12659	1537.62488
1543.0	0.000657	1244.21497	1538.64502
1556.0	0.000657	1244.30286	1540.12695
1485.0	0.000657	1244.39001	1542.02124
1559.0	0.000657	1244.47668	1544.25708
1511.0	0.000657	1244.56274	1546.74341
1529.0	0.000657	1244.64819	1549.37537
1601.0	0.000625	1244.73315	1552.03931
1539.0	0.000657	1244.81738	1554.61584
1588.0	0.000625	1244.90125	1556.98901
1524.0	0.000657	1244.98438	1559.05188
1565.0	0.000625	1245.06702	1560.71411
1570.0	0.000625	1245.14917	1561.92993
1536.0	0.000657	1245.23071	1562.59570
1630.0	0.000625	1245.31177	1562.70911
1542.0	0.000657	1245.39233	1562.26025
1580.0	0.000625	1245.47229	1561.25281
1562.0	0.000625	1245.55176	1559.70178
1539.0	0.000657	1245.63074	1557.62585
1502.0	0.000657	1245.70923	1555.04443
1579.0	0.000625	1245.78723	1552.17114
1569.0	0.000625	1245.86475	1548.62549
1547.0	0.000657	1245.94177	1544.61060
1515.0	0.000657	1246.01831	1540.13074
1524.0	0.000657	1246.09436	1535.18738
1487.0	0.000657	1246.17004	1529.78564
1549.0	0.000657	1246.24524	1523.93311

1522.0	0.000657	1246.31995	1517.64563
1516.0	0.000657	1246.39429	1510.95044
1462.0	0.000693	1246.46814	1503.88489
1526.0	0.000657	1246.54150	1496.49817
1518.0	0.000657	1246.61450	1488.84998
1509.0	0.000657	1246.68713	1481.00793
1499.0	0.000657	1246.75928	1473.04456
1511.0	0.000657	1246.83118	1465.03369
1418.0	0.000693	1246.90259	1457.04883
1455.0	0.000693	1246.97351	1449.15918
1425.0	0.000693	1247.04419	1441.42981
1416.0	0.000693	1247.11450	1433.91650
1379.0	0.000730	1247.18445	1426.67090
1391.0	0.000730	1247.25403	1419.73499
1413.0	0.000693	1247.32324	1413.14380
1337.0	0.000730	1247.39209	1406.92627
1351.0	0.000730	1247.46069	1401.10522
1388.0	0.000730	1247.52893	1395.69641
1398.0	0.000730	1247.59680	1390.71179
1314.0	0.000772	1247.66443	1386.15881
1329.0	0.000772	1247.73169	1382.03979
1330.0	0.000772	1247.79883	1378.35657
1321.0	0.000772	1247.86548	1375.25732
1346.0	0.000730	1247.93201	1372.43359
1352.0	0.000730	1247.99817	1370.03113
1309.0	0.000772	1248.06409	1368.04138
1307.0	0.000772	1248.12976	1366.45630
1318.0	0.000772	1248.19519	1365.26880
1297.0	0.000772	1248.26038	1364.46960
1306.0	0.000772	1248.32532	1364.05151
1307.0	0.000772	1248.39001	1364.01013
1321.0	0.000772	1248.45459	1364.34155
1314.0	0.000772	1248.51892	1365.04297
1291.0	0.000772	1248.58301	1366.11572
1296.0	0.000772	1248.64697	1367.56348
1351.0	0.000730	1248.71069	1369.39270
1334.0	0.000730	1248.77429	1371.65967
1349.0	0.000730	1248.83777	1374.28162
1315.0	0.000772	1248.90100	1377.31970
1335.0	0.000730	1248.96411	1380.79199
1312.0	0.000772	1249.02710	1384.71643
1285.0	0.000772	1249.08984	1389.11243
1394.0	0.000730	1249.15259	1394.00073
1325.0	0.000772	1249.21521	1399.39941
1351.0	0.000730	1249.27771	1405.32788
1322.0	0.000772	1249.34009	1411.80139
1332.0	0.000730	1249.40247	1418.83069
1357.0	0.000730	1249.46472	1426.42285
1376.0	0.000730	1249.52686	1434.57690
1356.0	0.000730	1249.58887	1443.28552
1400.0	0.000730	1249.65088	1452.53247
1353.0	0.000730	1249.71289	1462.29065
1393.0	0.000730	1249.77490	1472.52234
1391.0	0.000730	1249.83679	1483.17688

1380.0	0.000730	1249.89880	1494.19165
1432.0	0.000693	1249.96069	1505.48779
1332.0	0.000730	1250.02258	1516.97473
1383.0	0.000730	1250.08447	1528.54224
1357.0	0.000730	1250.14636	1540.06763
1342.0	0.000730	1250.20825	1551.40869
1438.0	0.000693	1250.27026	1562.40967
1445.0	0.000693	1250.33228	1572.89722
1411.0	0.000693	1250.39441	1582.68567
1413.0	0.000693	1250.45642	1591.58008
1409.0	0.000693	1250.51868	1599.38037
1392.0	0.000730	1250.58093	1605.89099
1433.0	0.000693	1250.64331	1610.92993
1446.0	0.000693	1250.70581	1614.34070
1436.0	0.000693	1250.76831	1615.99963
1420.0	0.000693	1250.83093	1615.83276
1526.0	0.000657	1250.89380	1613.81421
1479.0	0.000693	1250.95667	1610.05859
1461.0	0.000693	1251.01978	1604.47729
1429.0	0.000693	1251.08289	1597.27881
1500.0	0.000657	1251.14636	1588.62256
1465.0	0.000693	1251.20984	1578.68835
1486.0	0.000657	1251.27356	1567.67078
1477.0	0.000693	1251.33740	1555.76514
1407.0	0.000693	1251.40149	1543.16333
1459.0	0.000693	1251.46582	1530.04822
1472.0	0.000693	1251.53027	1516.59192
1448.0	0.000693	1251.59497	1502.95349
1379.0	0.000730	1251.66003	1489.27991
1416.0	0.000693	1251.72510	1475.70593
1403.0	0.000730	1251.79053	1462.35156
1335.0	0.000730	1251.85620	1449.32532
1337.0	0.000730	1251.92224	1436.71924
1296.0	0.000772	1251.98840	1424.61243
1301.0	0.000772	1252.05493	1413.07007
1264.0	0.000772	1252.12183	1402.14026
1372.0	0.000730	1252.18884	1391.86072
1300.0	0.000772	1252.25635	1382.25525
1290.0	0.000772	1252.32397	1373.33618
1253.0	0.000816	1252.39209	1365.10645
1259.0	0.000816	1252.46045	1357.55945
1312.0	0.000772	1252.52917	1350.67993
1284.0	0.000772	1252.59827	1344.44849
1326.0	0.000772	1252.66785	1338.83887
1297.0	0.000772	1252.73767	1333.82288
1330.0	0.000772	1252.80786	1329.36755
1239.0	0.000816	1252.87842	1325.43970
1268.0	0.000772	1252.94946	1322.00659
1318.0	0.000772	1253.02087	1319.03418
1249.0	0.000816	1253.09277	1316.49048
1235.0	0.000816	1253.16504	1314.34412
1242.0	0.000816	1253.23767	1312.56726
1264.0	0.000772	1253.31079	1311.13464
1288.0	0.000772	1253.38440	1310.02124

1220.0	0.000816	1253.45850	1309.20703
1242.0	0.000816	1253.53308	1308.67358
1239.0	0.000816	1253.60803	1308.43787
1296.0	0.000772	1253.68359	1308.42114
1303.0	0.000772	1253.75952	1308.64246
1233.0	0.000816	1253.83606	1309.09338
1320.0	0.000772	1253.91309	1309.76331
1272.0	0.000772	1253.99060	1310.69312
1305.0	0.000772	1254.06860	1311.77954
1240.0	0.000816	1254.14722	1313.06128
1278.0	0.000772	1254.22632	1314.53247
1241.0	0.000816	1254.30615	1316.18506
1201.0	0.000816	1254.38635	1318.01001
1292.0	0.000772	1254.46716	1319.99951
1254.0	0.000816	1254.54858	1322.14185
1298.0	0.000772	1254.63062	1324.42676
1311.0	0.000772	1254.71326	1326.84338
1228.0	0.000816	1254.79639	1329.38000
1317.0	0.000772	1254.88025	1332.02795
1305.0	0.000772	1254.96472	1334.78174
1368.0	0.000730	1255.04980	1337.64185
1307.0	0.000772	1255.13550	1340.61755
1301.0	0.000772	1255.22192	1343.72437
1327.0	0.000772	1255.30896	1346.98804
1281.0	0.000772	1255.39661	1350.44165
1371.0	0.000730	1255.48499	1354.12329
1375.0	0.000730	1255.57397	1358.07349
1330.0	0.000772	1255.66370	1362.33459
1350.0	0.000730	1255.75415	1366.94824
1343.0	0.000730	1255.84521	1371.95410
1401.0	0.000730	1255.93701	1377.39001
1301.0	0.000772	1256.02954	1383.29187
1323.0	0.000772	1256.12280	1389.69287
1367.0	0.000730	1256.21680	1396.62646
1420.0	0.000693	1256.31152	1404.12109
1396.0	0.000730	1256.40698	1412.20801
1377.0	0.000730	1256.50330	1420.91541
1401.0	0.000730	1256.60022	1430.27344
1365.0	0.000730	1256.69800	1440.31238
1471.0	0.000693	1256.79651	1451.06384
1494.0	0.000657	1256.89575	1462.56091
1514.0	0.000657	1256.99585	1474.84058
1451.0	0.000693	1257.09680	1487.94055
1489.0	0.000657	1257.19849	1501.90161
1551.0	0.000657	1257.30090	1516.76611
1609.0	0.000625	1257.40430	1532.57837
1552.0	0.000657	1257.50842	1549.38110
1532.0	0.000657	1257.61328	1567.21472
1588.0	0.000625	1257.71912	1586.11658
1529.0	0.000657	1257.82581	1606.11438
1605.0	0.000625	1257.93323	1627.22437
1608.0	0.000625	1258.04150	1649.45044
1654.0	0.000595	1258.15076	1672.77380
1724.0	0.000567	1258.26074	1697.15466

1786.0	0.000567	1258.37170	1722.52539
1690.0	0.000595	1258.48340	1748.78906
1781.0	0.000567	1258.59607	1775.81128
1658.0	0.000595	1258.70972	1803.42310
1846.0	0.000541	1258.82410	1831.41162
1802.0	0.000567	1258.93945	1859.52344
1857.0	0.000541	1259.05566	1887.45715
1875.0	0.000541	1259.17285	1914.86304
1961.0	0.000517	1259.29089	1941.34253
1906.0	0.000517	1259.40991	1966.44739
1923.0	0.000517	1259.52979	1989.68469
1960.0	0.000517	1259.65063	2010.53149
2027.0	0.000494	1259.77234	2028.45422
1969.0	0.000517	1259.89502	2042.94641
2026.0	0.000494	1260.01868	2053.57178
2015.0	0.000494	1260.14319	2060.01685
2051.0	0.000494	1260.26880	2062.13037
1946.0	0.000517	1260.39526	2059.96606
2130.0	0.000473	1260.52271	2053.73999
2036.0	0.000494	1260.65100	2043.87183
1910.0	0.000517	1260.78040	2030.89929
1936.0	0.000517	1260.91077	2015.44153
2016.0	0.000494	1261.04199	1998.43823
1928.0	0.000517	1261.17432	1979.97351
1884.0	0.000541	1261.30750	1960.96069
1885.0	0.000541	1261.44177	1941.99146
1896.0	0.000517	1261.57690	1923.61255
1769.0	0.000567	1261.71313	1906.32214
1860.0	0.000541	1261.85022	1890.57056
1791.0	0.000567	1261.98840	1876.75610
1799.0	0.000567	1262.12756	1865.22607
1809.0	0.000541	1262.26770	1856.27441
1832.0	0.000541	1262.40881	1850.13770
1765.0	0.000567	1262.55090	1846.99341
1681.0	0.000595	1262.69409	1846.95593
1704.0	0.000595	1262.83826	1850.07642
1723.0	0.000567	1262.98340	1856.33569
1716.0	0.000595	1263.12952	1865.64539
1849.0	0.000541	1263.27661	1877.84412
1777.0	0.000567	1263.42480	1892.69751
1769.0	0.000567	1263.57397	1909.89099
1740.0	0.000567	1263.72412	1929.03357
1733.0	0.000567	1263.87524	1949.64893
1797.0	0.000567	1264.02747	1971.17822
1810.0	0.000541	1264.18066	1992.97473
1777.0	0.000567	1264.33484	2014.31018
1878.0	0.000541	1264.48999	2034.38245
1892.0	0.000517	1264.64612	2052.34619
1908.0	0.000517	1264.80334	2067.35083
1949.0	0.000517	1264.96155	2078.60254
1892.0	0.000517	1265.12085	2085.43921
1887.0	0.000541	1265.28101	2087.40161
1921.0	0.000517	1265.44226	2084.28857
1892.0	0.000517	1265.60449	2076.17749

1796.0	0.000567	1265.76770	2063.40381
1892.0	0.000517	1265.93188	2046.50439
1835.0	0.000541	1266.09705	2026.14563
1825.0	0.000541	1266.26331	2003.04724
1876.0	0.000541	1266.43042	1977.91870
1781.0	0.000567	1266.59863	1951.59863
1734.0	0.000567	1266.76770	1924.30713
1783.0	0.000567	1266.93787	1896.71790
1754.0	0.000567	1267.10889	1869.23938
1772.0	0.000567	1267.28101	1842.20239
1747.0	0.000567	1267.45398	1815.87231
1701.0	0.000595	1267.62793	1790.45825
1767.0	0.000567	1267.80298	1766.12646
1679.0	0.000595	1267.97888	1743.00940
1681.0	0.000595	1268.15576	1721.21338
1697.0	0.000595	1268.33350	1700.82092
1641.0	0.000595	1268.51233	1681.89429
1559.0	0.000657	1268.69189	1664.47717
1593.0	0.000625	1268.87256	1648.58997
1628.0	0.000625	1269.05408	1634.23584
1636.0	0.000625	1269.23645	1621.39807
1668.0	0.000595	1269.41992	1610.04333
1556.0	0.000657	1269.60413	1600.12305
1623.0	0.000625	1269.78931	1591.58057
1569.0	0.000625	1269.97534	1584.34668
1483.0	0.000657	1270.16223	1578.34814
1482.0	0.000693	1270.34998	1573.50696
1530.0	0.000657	1270.53870	1569.74341
1612.0	0.000625	1270.72815	1566.97473
1530.0	0.000657	1270.91858	1565.11658
1582.0	0.000625	1271.10974	1564.08313
1476.0	0.000693	1271.30176	1563.78784
1547.0	0.000657	1271.49463	1564.14063
1625.0	0.000625	1271.68835	1565.05029
1603.0	0.000625	1271.88281	1566.42212
1631.0	0.000625	1272.07813	1568.16284
1564.0	0.000625	1272.27405	1570.17285
1572.0	0.000625	1272.47095	1572.35510
1605.0	0.000625	1272.66846	1574.61243
1564.0	0.000625	1272.86682	1576.84839
1618.0	0.000625	1273.06592	1578.97278
1605.0	0.000625	1273.26575	1580.90002
1650.0	0.000595	1273.46619	1582.55432
1667.0	0.000595	1273.66736	1583.86938
1536.0	0.000657	1273.86926	1584.79333
1644.0	0.000595	1274.07178	1585.28809
1648.0	0.000595	1274.27502	1585.33093
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1621.0	0.000625	1274.68347	1584.04272
1584.0	0.000625	1274.88843	1582.73950
1554.0	0.000657	1275.09424	1581.03760
1617.0	0.000625	1275.30054	1578.98010
1567.0	0.000625	1275.50745	1576.62134
1650.0	0.000595	1275.71484	1574.02136

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1589.0	0.000625	1276.13135	1568.36914
1579.0	0.000625	1276.34033	1565.46069
1564.0	0.000625	1276.54993	1562.59656
1594.0	0.000625	1276.75989	1559.85242
1579.0	0.000625	1276.97021	1557.29944
1625.0	0.000625	1277.18115	1555.00842
1635.0	0.000625	1277.39233	1553.04541
1573.0	0.000625	1277.60413	1551.47083
1497.0	0.000657	1277.81616	1550.33936
1537.0	0.000657	1278.02856	1549.69458
1539.0	0.000657	1278.24133	1549.57520
1571.0	0.000625	1278.45447	1550.00562
1569.0	0.000625	1278.66785	1550.99915
1487.0	0.000657	1278.88147	1552.55676
1567.0	0.000625	1279.09546	1554.66638
1541.0	0.000657	1279.30957	1557.29871
1607.0	0.000625	1279.52405	1560.41040
1528.0	0.000657	1279.73853	1563.94080
1572.0	0.000625	1279.95337	1567.81226
1535.0	0.000657	1280.16821	1571.92981
1517.0	0.000657	1280.38318	1576.18188
1478.0	0.000693	1280.59827	1580.44495
1510.0	0.000657	1280.81335	1584.58130
1576.0	0.000625	1281.02869	1588.45007
1565.0	0.000625	1281.24377	1591.91101
1538.0	0.000657	1281.45911	1594.83789
1589.0	0.000625	1281.67419	1597.12439
1607.0	0.000625	1281.88940	1598.69629
1527.0	0.000657	1282.10437	1599.51733
1558.0	0.000657	1282.31921	1599.59229
1546.0	0.000657	1282.53406	1598.44617
1549.0	0.000657	1282.74866	1597.18933
1587.0	0.000625	1282.96313	1595.40161
1523.0	0.000657	1283.17725	1593.19397
1470.0	0.000693	1283.39124	1590.68152
1538.0	0.000657	1283.60474	1587.97241
1567.0	0.000625	1283.81812	1585.16895
1558.0	0.000657	1284.03101	1582.35620
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1504.0	0.000657	1284.45569	1576.96667
1525.0	0.000657	1284.66736	1574.50134
1581.0	0.000625	1284.87866	1572.18738
1556.0	0.000657	1285.08923	1570.16626
1589.0	0.000625	1285.29944	1568.19958
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