

data_CA-NAT_1_RT_publ

_pd_block_id

2011-03-22T11:19|CA-NAT_1_RT|Ca-NAT|X14A

_audit_creation_method "from EXP file using GSAS2CIF"

_audit_creation_date 2011-03-22T11:19

_audit_author_name Ca-NAT

_audit_update_record

; 2011-03-22T11:19 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 0.04
_refine_ls_shift/su_mean 0.00
_computing_structure_refinement    GSAS
_refine_ls_number_parameters        67
_refine_ls_goodness_of_fit_all      3.79
_refine_ls_number_restraints        50
_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      Ca-NAT_1_RT
_cell_length_a      6.52422(25)
_cell_length_b      18.9885(7)
_cell_length_c      9.8466(5)
_cell_angle_alpha   90.0

```

```

_cell_angle_beta      109.7033(27)
_cell_angle_gamma     90.0
_cell_volume          1148.43(10)
_symmetry_cell_setting monoclinic
_symmetry_space_group_name_H-M "C c"
loop_ _symmetry_equiv_pos_site_id _symmetry_equiv_pos_as_xyz
  1 +x,+y,+z
  2 +x,-y,+z+1/2
  101 +x+1/2,+y+1/2,+z
  102 +x+1/2,-y+1/2,+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
Ca
Ca 0.1573(12) 0.14121(33) 0.0562(7) 1.0 Uiso 0.0286(15) 4
Si
Si1 0.5032(11) 0.3690(4) 0.0001(8) 1.0 Uiso 0.0163(7) 4
Si
Si2 0.2299(12) 0.33351(33) 0.1997(7) 1.0 Uiso 0.0163(7) 4
Si
Si3 0.5494(11) 0.08264(35) 0.3337(7) 1.0 Uiso 0.0163(7) 4
Al
Al1 0.9333(11) 0.4628(4) 0.0989(7) 1.0 Uiso 0.0163(7) 4
Al
Al2 0.3564(11) 0.2186(4) 0.4391(7) 1.0 Uiso 0.0163(7) 4
O
O1 0.5437(19) 0.0276(5) 0.4597(10) 1.0 Uiso 0.0179(12) 4
O
O2 0.4473(19) 0.0453(5) 0.1776(9) 1.0 Uiso 0.0179(12) 4
O
O3 0.4007(17) 0.1520(5) 0.3300(11) 1.0 Uiso 0.0179(12) 4
O
O4 0.1162(16) 0.2038(5) 0.4768(14) 1.0 Uiso 0.0179(12) 4
O
O5 0.3417(19) 0.3008(5) 0.3595(9) 1.0 Uiso 0.0179(12) 4
O
O6 0.0853(14) 0.2730(5) 0.0937(9) 1.0 Uiso 0.0179(12) 4
O
O7 0.4245(18) 0.3573(6) 0.1396(11) 1.0 Uiso 0.0179(12) 4
O
O8 0.0857(17) 0.3995(5) 0.2208(10) 1.0 Uiso 0.0179(12) 4
O
O9 0.7970(12) 0.1104(6) 0.3574(11) 1.0 Uiso 0.0179(12) 4

```

| | | | | | | | |
|------|------------|-----------|------------|-----|------|------------|---|
| O | | | | | | | |
| O10 | 0.6581(13) | 0.4385(5) | 0.0374(13) | 1.0 | Uiso | 0.0179(12) | 4 |
| O | | | | | | | |
| Wat1 | 0.8737(25) | 0.0755(8) | 0.0862(20) | 1.0 | Uiso | 0.0286(15) | 4 |
| O | | | | | | | |
| Wat2 | 0.9028(25) | 0.3256(8) | 0.4293(18) | 1.0 | Uiso | 0.0286(15) | 4 |
| O | | | | | | | |
| Wat3 | 0.5681(29) | 0.4537(7) | 0.3544(15) | 1.0 | Uiso | 0.0286(15) | 4 |

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

| | |
|--------------------------|------------------|
| _chemical_formula_sum | "Al2 Ca O13 Si3" |
| _chemical_formula_weight | 386.29 |
| _cell_formula_units_Z | 4 |

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 | | | |
| Ca | Si3 | 3.246(9) | . 1_555 N |
| Ca | Al2 | 3.277(9) | . 102_454 N |
| Ca | O2 | 2.609(12) | . 1_555 N |
| Ca | O3 | 2.636(11) | . 1_555 N |
| Ca | O5 | 4.138(11) | . 1_555 N |
| Ca | O5 | 2.552(11) | . 102_454 N |
| Ca | O6 | 2.596(11) | . 1_555 N |
| Ca | O7 | 3.864(12) | . 102_454 N |
| Ca | O8 | 4.136(11) | . 102_454 N |
| Ca | O10 | 3.854(11) | . 101_445 N |
| Ca | Wat1 | 2.332(16) | . 1_455 N |
| Ca | Wat2 | 2.424(19) | . 102_454 N |
| Ca | Wat3 | 2.599(14) | . 102_454 N |
| Si1 | Si3 | 3.004(9) | . 102_454 N |
| Si1 | Al2 | 3.061(9) | . 102_554 N |
| Si1 | O1 | 3.492(13) | . 102_454 N |
| Si1 | O4 | 1.620(4) | . 102_554 N |
| Si1 | O7 | 1.636(4) | . 1_555 N |
| Si1 | O9 | 1.633(4) | . 102_454 N |
| Si1 | O10 | 1.627(4) | . 1_555 N |
| Si2 | Al1 | 3.077(8) | . 1_455 N |
| Si2 | Al2 | 3.112(7) | . 1_555 N |
| Si2 | Al2 | 3.048(8) | . 102_454 N |
| Si2 | O1 | 3.476(13) | . 102_454 N |
| Si2 | O5 | 1.618(4) | . 1_555 N |
| Si2 | O6 | 1.624(4) | . 1_555 N |
| Si2 | O7 | 1.635(4) | . 1_555 N |
| Si2 | O8 | 1.622(4) | . 1_555 N |
| Si2 | Wat3 | 3.183(18) | . 1_555 N |
| Si3 | Ca | 3.246(9) | . 1_555 N |
| Si3 | Si1 | 3.004(9) | . 102_555 N |

| | | | | |
|-----|------|------------|---------|---|
| Si3 | Al1 | 3.078(8) | 102_455 | N |
| Si3 | O1 | 1.632(4) | 1_555 | N |
| Si3 | O2 | 1.618(4) | 1_555 | N |
| Si3 | O3 | 1.6291(35) | 1_555 | N |
| Si3 | O7 | 3.375(15) | 102_555 | N |
| Si3 | O9 | 1.639(4) | 1_555 | N |
| Al1 | Si2 | 3.077(8) | 1_655 | N |
| Al1 | Si3 | 3.078(8) | 102_554 | N |
| Al1 | O1 | 3.595(9) | 101_555 | N |
| Al1 | O1 | 1.760(4) | 102_554 | N |
| Al1 | O2 | 1.735(4) | 101_555 | N |
| Al1 | O3 | 3.381(14) | 102_554 | N |
| Al1 | O8 | 1.752(4) | 1_655 | N |
| Al1 | O10 | 1.752(4) | 1_555 | N |
| Al1 | Wat3 | 3.181(18) | 2_564 | N |
| Al2 | Ca | 3.277(9) | 102_555 | N |
| Al2 | Si1 | 3.061(9) | 102_455 | N |
| Al2 | Si2 | 3.112(7) | 1_555 | N |
| Al2 | Si2 | 3.048(8) | 102_555 | N |
| Al2 | O3 | 1.746(4) | 1_555 | N |
| Al2 | O4 | 1.750(4) | 1_555 | N |
| Al2 | O5 | 1.734(4) | 1_555 | N |
| Al2 | O6 | 3.421(7) | 1_555 | N |
| Al2 | O6 | 1.744(4) | 102_555 | N |
| Al2 | O8 | 3.488(13) | 102_555 | N |
| Al2 | O10 | 3.515(15) | 102_455 | N |
| Al2 | Wat2 | 3.563(17) | 1_455 | N |
| O1 | Si1 | 3.492(13) | 102_555 | N |
| O1 | Si2 | 3.476(13) | 102_555 | N |
| O1 | Si3 | 1.632(4) | 1_555 | N |
| O1 | Al1 | 3.595(9) | 101_445 | N |
| O1 | Al1 | 1.760(4) | 102_455 | N |
| O1 | O2 | 2.654(11) | 1_555 | N |
| O1 | O2 | 2.798(9) | 2_555 | N |
| O1 | O3 | 2.697(11) | 1_555 | N |
| O1 | O6 | 3.988(12) | 102_555 | N |
| O1 | O7 | 3.334(20) | 102_555 | N |
| O1 | O8 | 3.458(13) | 101_545 | N |
| O1 | O8 | 2.850(11) | 102_555 | N |
| O1 | O9 | 2.708(11) | 1_555 | N |
| O1 | O10 | 2.937(11) | 102_455 | N |
| O1 | O10 | 3.873(14) | 102_555 | N |
| O1 | Wat1 | 2.866(18) | 2_555 | N |
| O1 | Wat2 | 3.933(18) | 101_445 | N |
| O1 | Wat3 | 3.241(21) | 101_445 | N |
| O2 | Ca | 2.609(12) | 1_555 | N |
| O2 | Si3 | 1.618(4) | 1_555 | N |
| O2 | Al1 | 1.735(4) | 101_445 | N |
| O2 | O1 | 2.654(11) | 1_555 | N |
| O2 | O1 | 2.798(9) | 2_554 | N |
| O2 | O3 | 2.600(10) | 1_555 | N |
| O2 | O8 | 2.897(9) | 101_545 | N |
| O2 | O9 | 2.673(10) | 1_555 | N |
| O2 | O10 | 2.796(10) | 101_445 | N |

| | | | |
|----|------|------------|-------------|
| O2 | Wat1 | 3.588(22) | . 1_455 N |
| O2 | Wat1 | 3.251(23) | . 1_555 N |
| O2 | Wat2 | 3.406(20) | . 102_454 N |
| O2 | Wat3 | 3.883(22) | . 101_445 N |
| O2 | Wat3 | 3.308(18) | . 102_454 N |
| O3 | Ca | 2.636(11) | . 1_555 N |
| O3 | Si3 | 1.6291(35) | . 1_555 N |
| O3 | Al1 | 3.381(14) | . 102_455 N |
| O3 | Al2 | 1.746(4) | . 1_555 N |
| O3 | O1 | 2.697(11) | . 1_555 N |
| O3 | O2 | 2.600(10) | . 1_555 N |
| O3 | O4 | 2.883(10) | . 1_555 N |
| O3 | O5 | 2.879(10) | . 1_555 N |
| O3 | O6 | 3.421(14) | . 1_555 N |
| O3 | O6 | 2.848(11) | . 102_555 N |
| O3 | O7 | 3.739(17) | . 102_555 N |
| O3 | O8 | 3.753(13) | . 102_555 N |
| O3 | O9 | 2.629(11) | . 1_555 N |
| O3 | O10 | 3.435(19) | . 102_455 N |
| O3 | Wat1 | 3.759(20) | . 1_455 N |
| O3 | Wat2 | 3.974(22) | . 102_454 N |
| O4 | Si1 | 1.620(4) | . 102_455 N |
| O4 | Al2 | 1.750(4) | . 1_555 N |
| O4 | O3 | 2.883(10) | . 1_555 N |
| O4 | O5 | 2.834(10) | . 1_555 N |
| O4 | O6 | 3.934(16) | . 1_555 N |
| O4 | O6 | 2.917(11) | . 102_555 N |
| O4 | O7 | 2.615(11) | . 102_455 N |
| O4 | O8 | 3.748(19) | . 102_555 N |
| O4 | O9 | 2.687(11) | . 1_455 N |
| O4 | O10 | 2.761(10) | . 102_455 N |
| O4 | Wat2 | 2.657(17) | . 1_455 N |
| O5 | Ca | 4.138(11) | . 1_555 N |
| O5 | Ca | 2.552(11) | . 102_555 N |
| O5 | Si2 | 1.618(4) | . 1_555 N |
| O5 | Al2 | 1.734(4) | . 1_555 N |
| O5 | O3 | 2.879(10) | . 1_555 N |
| O5 | O4 | 2.834(10) | . 1_555 N |
| O5 | O6 | 2.641(10) | . 1_555 N |
| O5 | O6 | 2.708(8) | . 102_555 N |
| O5 | O7 | 2.631(11) | . 1_555 N |
| O5 | O8 | 2.576(10) | . 1_555 N |
| O5 | Wat1 | 3.199(20) | . 102_455 N |
| O5 | Wat2 | 3.197(24) | . 1_455 N |
| O5 | Wat2 | 3.521(22) | . 1_555 N |
| O5 | Wat3 | 3.267(17) | . 1_555 N |
| O6 | Ca | 2.596(11) | . 1_555 N |
| O6 | Si2 | 1.624(4) | . 1_555 N |
| O6 | Al2 | 3.421(7) | . 1_555 N |
| O6 | Al2 | 1.744(4) | . 102_454 N |
| O6 | O1 | 3.988(12) | . 102_454 N |
| O6 | O3 | 3.421(14) | . 1_555 N |
| O6 | O3 | 2.848(11) | . 102_454 N |
| O6 | O4 | 3.934(16) | . 1_555 N |

| | | | | |
|-----|------|-----------|-----------|---|
| O6 | O4 | 2.917(11) | . 102_454 | N |
| O6 | O5 | 2.641(10) | . 1_555 | N |
| O6 | O5 | 2.708(8) | . 102_454 | N |
| O6 | O7 | 2.644(11) | . 1_555 | N |
| O6 | O8 | 2.708(11) | . 1_555 | N |
| O6 | O9 | 3.794(16) | . 102_454 | N |
| O6 | Wat1 | 3.989(20) | . 1_455 | N |
| O6 | Wat2 | 3.998(22) | . 1_455 | N |
| O6 | Wat2 | 3.561(21) | . 102_454 | N |
| O7 | Ca | 3.864(12) | . 102_555 | N |
| O7 | Si1 | 1.636(4) | . 1_555 | N |
| O7 | Si2 | 1.635(4) | . 1_555 | N |
| O7 | Si3 | 3.375(15) | . 102_454 | N |
| O7 | O1 | 3.334(20) | . 102_454 | N |
| O7 | O3 | 3.739(17) | . 102_454 | N |
| O7 | O4 | 2.615(11) | . 102_554 | N |
| O7 | O5 | 2.631(11) | . 1_555 | N |
| O7 | O6 | 2.644(11) | . 1_555 | N |
| O7 | O8 | 2.713(11) | . 1_555 | N |
| O7 | O9 | 2.690(11) | . 102_454 | N |
| O7 | O10 | 2.598(11) | . 1_555 | N |
| O7 | Wat2 | 3.498(19) | . 1_555 | N |
| O7 | Wat3 | 2.714(19) | . 1_555 | N |
| O8 | Ca | 4.136(11) | . 102_555 | N |
| O8 | Si2 | 1.622(4) | . 1_555 | N |
| O8 | Al1 | 1.752(4) | . 1_455 | N |
| O8 | Al2 | 3.488(13) | . 102_454 | N |
| O8 | O1 | 3.458(13) | . 101_455 | N |
| O8 | O1 | 2.850(11) | . 102_454 | N |
| O8 | O2 | 2.897(9) | . 101_455 | N |
| O8 | O3 | 3.753(13) | . 102_454 | N |
| O8 | O4 | 3.748(19) | . 102_454 | N |
| O8 | O5 | 2.576(10) | . 1_555 | N |
| O8 | O6 | 2.708(11) | . 1_555 | N |
| O8 | O7 | 2.713(11) | . 1_555 | N |
| O8 | O10 | 2.862(11) | . 1_455 | N |
| O8 | Wat1 | 3.484(21) | . 102_455 | N |
| O8 | Wat2 | 3.044(21) | . 1_455 | N |
| O8 | Wat3 | 3.147(22) | . 1_555 | N |
| O9 | Si1 | 1.633(4) | . 102_555 | N |
| O9 | Si3 | 1.639(4) | . 1_555 | N |
| O9 | O1 | 2.708(11) | . 1_555 | N |
| O9 | O2 | 2.673(10) | . 1_555 | N |
| O9 | O3 | 2.629(11) | . 1_555 | N |
| O9 | O4 | 2.687(11) | . 1_655 | N |
| O9 | O6 | 3.794(16) | . 102_555 | N |
| O9 | O7 | 2.690(11) | . 102_555 | N |
| O9 | O10 | 2.596(11) | . 102_555 | N |
| O9 | Wat1 | 2.953(23) | . 1_555 | N |
| O9 | Wat3 | 3.465(17) | . 101_545 | N |
| O10 | Ca | 3.854(11) | . 101_555 | N |
| O10 | Si1 | 1.627(4) | . 1_555 | N |
| O10 | Al1 | 1.752(4) | . 1_555 | N |
| O10 | Al2 | 3.515(15) | . 102_554 | N |

| | | | | |
|------|------|-----------|---------|---|
| O10 | O1 | 3.873(14) | 102_454 | N |
| O10 | O1 | 2.937(11) | 102_554 | N |
| O10 | O2 | 2.796(10) | 101_555 | N |
| O10 | O3 | 3.435(19) | 102_554 | N |
| O10 | O4 | 2.761(10) | 102_554 | N |
| O10 | O7 | 2.598(11) | 1_555 | N |
| O10 | O8 | 2.862(11) | 1_655 | N |
| O10 | O9 | 2.596(11) | 102_454 | N |
| O10 | Wat1 | 3.323(20) | 101_455 | N |
| O10 | Wat3 | 3.378(20) | 1_555 | N |
| O10 | Wat3 | 2.658(19) | 2_564 | N |
| Wat1 | Ca | 2.332(16) | 1_655 | N |
| Wat1 | O1 | 2.866(18) | 2_554 | N |
| Wat1 | O2 | 3.251(23) | 1_555 | N |
| Wat1 | O2 | 3.588(22) | 1_655 | N |
| Wat1 | O3 | 3.759(20) | 1_655 | N |
| Wat1 | O5 | 3.199(20) | 102_554 | N |
| Wat1 | O6 | 3.989(20) | 1_655 | N |
| Wat1 | O8 | 3.484(21) | 102_554 | N |
| Wat1 | O9 | 2.953(23) | 1_555 | N |
| Wat1 | O10 | 3.323(20) | 101_545 | N |
| Wat1 | Wat2 | 3.486(18) | 102_454 | N |
| Wat1 | Wat3 | 3.416(20) | 101_545 | N |
| Wat1 | Wat3 | 3.012(21) | 102_554 | N |
| Wat2 | Ca | 2.424(19) | 102_555 | N |
| Wat2 | Al2 | 3.563(17) | 1_655 | N |
| Wat2 | O1 | 3.933(18) | 101_555 | N |
| Wat2 | O2 | 3.406(20) | 102_555 | N |
| Wat2 | O3 | 3.974(22) | 102_555 | N |
| Wat2 | O4 | 2.657(17) | 1_655 | N |
| Wat2 | O5 | 3.521(22) | 1_555 | N |
| Wat2 | O5 | 3.197(24) | 1_655 | N |
| Wat2 | O6 | 3.998(22) | 1_655 | N |
| Wat2 | O6 | 3.561(21) | 102_555 | N |
| Wat2 | O7 | 3.498(19) | 1_555 | N |
| Wat2 | O8 | 3.044(21) | 1_655 | N |
| Wat2 | Wat1 | 3.486(18) | 102_555 | N |
| Wat2 | Wat3 | 3.186(19) | 1_555 | N |
| Wat3 | Ca | 2.599(14) | 102_555 | N |
| Wat3 | Si2 | 3.183(18) | 1_555 | N |
| Wat3 | Al1 | 3.181(18) | 2_565 | N |
| Wat3 | O1 | 3.241(21) | 101_555 | N |
| Wat3 | O2 | 3.883(22) | 101_555 | N |
| Wat3 | O2 | 3.308(18) | 102_555 | N |
| Wat3 | O5 | 3.267(17) | 1_555 | N |
| Wat3 | O7 | 2.714(19) | 1_555 | N |
| Wat3 | O8 | 3.147(22) | 1_555 | N |
| Wat3 | O9 | 3.465(17) | 101_455 | N |
| Wat3 | O10 | 3.378(20) | 1_555 | N |
| Wat3 | O10 | 2.658(19) | 2_565 | N |
| Wat3 | Wat1 | 3.416(20) | 101_455 | N |
| Wat3 | Wat1 | 3.012(21) | 102_455 | N |
| Wat3 | Wat2 | 3.186(19) | 1_555 | N |

```

loop_
  _geom_angle_atom_site_label_1
  _geom_angle_atom_site_label_2
  _geom_angle_atom_site_label_3
  _geom_angle
  _geom_angle_site_symmetry_1
  _geom_angle_site_symmetry_2
  _geom_angle_site_symmetry_3
  _geom_angle_publ_flag
Si3   Ca   Al2   141.54(28)   1_555 .   102_454 N
Si3   Ca   O2    29.61(13)   1_555 .   1_555 N
Si3   Ca   O3    29.93(13)   1_555 .   1_555 N
Si3   Ca   O5    172.70(32)   1_555 .   102_454 N
Si3   Ca   O6    109.85(30)   1_555 .   1_555 N
Si3   Ca   Wat1   98.3(5)     1_555 .   1_455 N
Si3   Ca   Wat2   93.0(5)     1_555 .   102_454 N
Si3   Ca   Wat3   108.4(4)     1_555 .   102_454 N
Al2   Ca   O2    169.9(4)    102_454 .   1_555 N
Al2   Ca   O3    112.31(31)   102_454 .   1_555 N
Al2   Ca   O5    31.60(13)    102_454 .   102_454 N
Al2   Ca   O6    31.95(13)    102_454 .   1_555 N
Al2   Ca   Wat1   94.1(5)     102_454 .   1_455 N
Al2   Ca   Wat2   91.7(5)     102_454 .   102_454 N
Al2   Ca   Wat3   110.0(4)     102_454 .   102_454 N
O2    Ca   O3    59.44(24)    1_555 .   1_555 N
O2    Ca   O5    157.56(33)   1_555 .   102_454 N
O2    Ca   O6    138.3(4)     1_555 .   1_555 N
O2    Ca   Wat1   93.0(5)     1_555 .   1_455 N
O2    Ca   Wat2   85.1(5)     1_555 .   102_454 N
O2    Ca   Wat3   78.9(4)     1_555 .   102_454 N
O3    Ca   O5    142.78(34)   1_555 .   102_454 N
O3    Ca   O6    81.65(32)    1_555 .   1_555 N
O3    Ca   Wat1   98.2(6)     1_555 .   1_455 N
O3    Ca   Wat2   103.4(6)     1_555 .   102_454 N
O3    Ca   Wat3   137.6(5)     1_555 .   102_454 N
O5    Ca   O6    63.48(24)    102_454 .   1_555 N
O5    Ca   Wat1   81.7(5)     102_454 .   1_455 N
O5    Ca   Wat2   90.0(5)     102_454 .   102_454 N
O5    Ca   Wat3   78.7(4)     102_454 .   102_454 N
O6    Ca   Wat1   108.0(6)     1_555 .   1_455 N
O6    Ca   Wat2   90.3(6)     1_555 .   102_454 N
O6    Ca   Wat3   140.6(5)     1_555 .   102_454 N
Wat1   Ca   Wat2   153.5(8)     1_455 .   102_454 N
Wat1   Ca   Wat3   75.1(5)     1_455 .   102_454 N
Wat2   Ca   Wat3   78.7(6)     102_454 .   102_454 N
O4    Si1   O7    106.9(6)     102_554 .   1_555 N
O4    Si1   O9    111.4(7)     102_554 .   102_454 N
O4    Si1   O10   116.5(6)     102_554 .   1_555 N
O7    Si1   O9    110.8(6)     1_555 .   102_454 N
O7    Si1   O10   105.6(6)     1_555 .   1_555 N
O9    Si1   O10   105.6(6)     102_454 .   1_555 N
O5    Si2   O6    109.1(6)     1_555 .   1_555 N
O5    Si2   O7    107.9(7)     1_555 .   1_555 N
O5    Si2   O8    105.3(6)     1_555 .   1_555 N

```

| | | | | | |
|-----|-----|-----|-----------|---------|-----------|
| O6 | Si2 | O7 | 108.5(6) | 1_555 | 1_555 N |
| O6 | Si2 | O8 | 113.1(7) | 1_555 | 1_555 N |
| O7 | Si2 | O8 | 112.8(7) | 1_555 | 1_555 N |
| Ca | Si3 | O1 | 130.2(6) | 1_555 | 1_555 N |
| Ca | Si3 | O2 | 52.8(4) | 1_555 | 1_555 N |
| Ca | Si3 | O3 | 53.8(4) | 1_555 | 1_555 N |
| Ca | Si3 | O9 | 118.0(5) | 1_555 | 1_555 N |
| O1 | Si3 | O2 | 109.5(6) | 1_555 | 1_555 N |
| O1 | Si3 | O3 | 111.6(7) | 1_555 | 1_555 N |
| O1 | Si3 | O9 | 111.8(7) | 1_555 | 1_555 N |
| O2 | Si3 | O3 | 106.4(6) | 1_555 | 1_555 N |
| O2 | Si3 | O9 | 110.3(6) | 1_555 | 1_555 N |
| O3 | Si3 | O9 | 107.1(7) | 1_555 | 1_555 N |
| O1 | Al1 | O2 | 106.4(5) | 102_554 | 101_555 N |
| O1 | Al1 | O8 | 108.5(6) | 102_554 | 1_655 N |
| O1 | Al1 | O10 | 113.5(6) | 102_554 | 1_555 N |
| O2 | Al1 | O8 | 112.4(5) | 101_555 | 1_655 N |
| O2 | Al1 | O10 | 106.6(5) | 101_555 | 1_555 N |
| O8 | Al1 | O10 | 109.5(6) | 1_655 | 1_555 N |
| Ca | Al2 | O3 | 126.9(5) | 102_555 | 1_555 N |
| Ca | Al2 | O4 | 121.9(5) | 102_555 | 1_555 N |
| Ca | Al2 | O5 | 50.47(35) | 102_555 | 1_555 N |
| Ca | Al2 | O6 | 51.96(32) | 102_555 | 102_555 N |
| O3 | Al2 | O4 | 111.1(6) | 1_555 | 1_555 N |
| O3 | Al2 | O5 | 111.7(6) | 1_555 | 1_555 N |
| O3 | Al2 | O6 | 109.4(6) | 1_555 | 102_555 N |
| O4 | Al2 | O5 | 108.9(6) | 1_555 | 1_555 N |
| O4 | Al2 | O6 | 113.2(7) | 1_555 | 102_555 N |
| O5 | Al2 | O6 | 102.3(4) | 1_555 | 102_555 N |
| Si3 | O1 | Al1 | 130.3(7) | 1_555 | 102_455 N |
| Ca | O2 | Si3 | 97.6(5) | 1_555 | 1_555 N |
| Ca | O2 | Al1 | 120.3(5) | 1_555 | 101_445 N |
| Si3 | O2 | Al1 | 139.7(7) | 1_555 | 101_445 N |
| Ca | O3 | Si3 | 96.2(5) | 1_555 | 1_555 N |
| Ca | O3 | Al2 | 121.2(5) | 1_555 | 1_555 N |
| Si3 | O3 | Al2 | 142.5(7) | 1_555 | 1_555 N |
| Si1 | O4 | Al2 | 130.5(7) | 102_455 | 1_555 N |
| Ca | O5 | Si2 | 123.7(5) | 102_555 | 1_555 N |
| Ca | O5 | Al2 | 97.9(4) | 102_555 | 1_555 N |
| Si2 | O5 | Al2 | 136.3(6) | 1_555 | 1_555 N |
| Ca | O6 | Si2 | 132.8(5) | 1_555 | 1_555 N |
| Ca | O6 | Al2 | 96.1(4) | 1_555 | 102_454 N |
| Si2 | O6 | Al2 | 129.7(7) | 1_555 | 102_454 N |
| Si1 | O7 | Si2 | 147.5(8) | 1_555 | 1_555 N |
| Si2 | O8 | Al1 | 131.5(7) | 1_555 | 1_455 N |
| Si1 | O9 | Si3 | 133.3(8) | 102_555 | 1_555 N |
| Si1 | O10 | Al1 | 141.1(7) | 1_555 | 1_555 N |

Powder diffraction data for histogram 1

#=====

9. INSTRUMENT CHARACTERIZATION

_exptl_special_details
; ?

;

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

_pd_proc_info_excluded_regions

; ?

;

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

the powder pattern when the diffractogram was measured at a laboratory

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

radiation is used.

_pd_instr_location

; ?

;

_pd_calibration_special_details # description of the method used
 # to calibrate the instrument

; ?

;

_diffrn_ambient_temperature ?

_diffrn_source ?

_diffrn_source_target ?

_diffrn_source_type ?

_diffrn_measurement_device_type ?

_diffrn_detector ?

_diffrn_detector_type ? # make or model of detector

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

 # 'tof', 'fixed' or

 # 'disp' (= dispersive)

_pd_meas_special_details

; ?

;

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

_computing_data_collection ?

_computing_data_reduction ?

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

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

_pd_proc_info_data_reduction ?

The following item is used for angular dispersive measurements only.

_diffrn_radiation_monochromator ?

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

Not all distances are appropriate for all instrument types.

_pd_instr_dist_src/mono ?

_pd_instr_dist_mono/spec ?

_pd_instr_dist_src/spec ?

_pd_instr_dist_spec/anal ?

```
_pd_instr_dist_anal/detc      ?
_pd_instr_dist_spec/detc      ?
```

10. Specimen size and mounting information

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

```
_pd_spec_size_axial          ?    # perpendicular to
                                # equatorial plane
```

```
_pd_spec_size_equat          ?    # parallel to
                                # scattering vector
                                # in transmission
```

```
_pd_spec_size_thick          ?    # parallel to
                                # scattering vector
                                # in reflection
```

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

```
; ?
;
```

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

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

loop_ _atom_type_symbol

```
_atom_type_number_in_cell
_atom_type_scatter_dispersion_real
_atom_type_scatter_dispersion_imag
_atom_type_scatter_Cromer_Mann_a1
_atom_type_scatter_Cromer_Mann_a2
_atom_type_scatter_Cromer_Mann_a3
_atom_type_scatter_Cromer_Mann_a4
_atom_type_scatter_Cromer_Mann_b1
_atom_type_scatter_Cromer_Mann_b2
_atom_type_scatter_Cromer_Mann_b3
_atom_type_scatter_Cromer_Mann_b4
_atom_type_scatter_Cromer_Mann_c
_atom_type_scatter_source
Ca      4.0  0.235  0.324
8.62660 10.4421 7.38730 0.65990 1.58990 85.7484 1.02110 178.437 1.37510
International_Tables_Vol_C
Si      12.0  0.085  0.075
6.29150 2.43860 3.03530 32.3337 1.98910 0.67850 1.54100 81.6937 1.14070
International_Tables_Vol_C
Al       8.0  0.068  0.054
6.42020 3.03870 1.90020 0.74260 1.59360 31.5472 1.96460 85.0886 1.11510
```

International_Tables_Vol_C
O 52.0 0.012 0.006
3.04850 13.2771 2.28680 5.70110 1.54630 0.32390 0.86700 32.9089 0.25080

International_Tables_Vol_C
_diffrn_radiation_probe x-ray
_diffrn_radiation_polarisn_ratio 0.95
_diffrn_radiation_wavelength 0.72959
_diffrn_radiation_type ?
_pd_proc_ls_prof_R_factor 0.0407
_pd_proc_ls_prof_wR_factor 0.0566
_pd_proc_ls_prof_wR_expected 0.0154
_refine_ls_R_Fsqd_factor 0.16262

_pd_proc_ls_background_function
; GSAS Background function number 1 with 18 terms.

Shifted Chebyshev function of 1st kind

1: 3150.20 2: -1655.13 3: 439.339 4: 133.850
5: -512.423 6: 259.923 7: 68.6980 8: -126.116
9: 192.596 10: -39.7417 11: 2.829300E-02 12: 114.796
13: -66.9240 14: -7.69262 15: -23.2329 16: -50.7342
17: 59.1987 18: -29.5976

;
_exptl_absorpt_process_details
; GSAS Absorption/surface roughness correction: function number 0
No correction is applied.

;
_exptl_absorpt_correction_T_min 1.00000
_exptl_absorpt_correction_T_max 1.00000

Extinction correction

_gsas_exptl_extinct_corr_T_min 1.00000
_gsas_exptl_extinct_corr_T_max 1.00000
_pd_proc_ls_pref_orient_corr

; March-Dollase

AXIS 1 Ratio= 0.96800 h= 1.000 k= 1.000 l=-1.000

Preferred orientation correction range: Min= 0.95256, Max= 1.08652

;

_pd_proc_ls_profile_function

;

CW Profile function number 3 with 19 terms

Pseudovoigt profile coefficients as parameterized in

P. Thompson, D.E. Cox & J.B. Hastings (1987). J. Appl. Cryst.,20,79-83.

Asymmetry correction of L.W. Finger, D.E. Cox & A. P. Jephcoat (1994).

J. Appl. Cryst.,27,892-900.

#1(GU) = 516.903 #2(GV) = -10.804 #3(GW) = -1.258

#4(GP) = 0.000 #5(LX) = 2.909 #6(LY) = 2.173

#7(S/L) = 0.0005 #8(H/L) = 0.0005

#9(trns) = 0.00 #10(shft)= 0.0000

#11(stec)= 20.53 #12(ptec)= 2.17 #13(sfec)= 0.00

#14(L11) = 0.000 #15(L22) = 0.000 #16(L33) = 0.000

#17(L12) = 0.000 #18(L13) = 0.000 #19(L23) = 0.000

Peak tails are ignored where the intensity is below 0.0010 times the peak

Aniso. broadening axis 0.0 0.0 1.0

```
;
_pd_proc_ls_peak_cutoff 0.00100
_pd_proc_info_datetime      2011-03-22T11:19:38
_pd_calc_method             "Rietveld Refinement"
```

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

```
_pd_meas_2theta_range_min      4.405
_pd_meas_2theta_range_max      61.6
_pd_meas_2theta_range_inc      0.005
_pd_proc_2theta_range_min      4.41165
_pd_proc_2theta_range_max      61.60666
_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
```

```
4758.0  0.0  7766.00439 .
4608.0  0.0  7708.41113 .
4768.0  0.0  7651.62842 .
4852.0  0.0  7595.64502 .
4927.0  0.0  7540.45996 .
4786.0  0.0  7486.06396 .
4657.0  0.0  7432.43945 .
4713.0  0.0  7379.58350 .
4704.0  0.0  7327.48730 .
4837.0  0.0  7276.14990 .
4691.0  0.0  7225.54785 .
4646.0  0.0  7175.68359 .
4777.0  0.0  7126.54688 .
4750.0  0.0  7078.13232 .
4660.0  0.0  7030.42627 .
4782.0  0.0  6983.42090 .
4770.0  0.0  6937.11182 .
4834.0  0.0  6891.49365 .
4765.0  0.0  6846.55273 .
4788.0  0.0  6802.28320 .
4776.0  0.0  6758.67725 .
4589.0  0.0  6715.72949 .
4648.0  0.0  6673.43408 .
4724.0  0.0  6631.77832 .
4732.0  0.0  6590.75586 .
4712.0  0.0  6550.36182 .
4681.0  0.0  6510.59277 .
4984.0  0.0  6471.43018 .
4787.0  0.0  6432.87744 .
4633.0  0.0  6394.92041 .
4752.0  0.0  6357.56006 .
4655.0  0.0  6320.78174 .
4618.0  0.0  6284.58252 .
4721.0  0.0  6248.95410 .
4609.0  0.0  6213.89404 .
4655.0  0.0  6179.38965 .
```


| | | | |
|--------|-----|------------|---|
| 4751.0 | 0.0 | 6145.43604 | . |
| 4731.0 | 0.0 | 6112.02930 | . |
| 4658.0 | 0.0 | 6079.16260 | . |
| 4724.0 | 0.0 | 6046.82568 | . |
| 4595.0 | 0.0 | 6015.01367 | . |
| 4696.0 | 0.0 | 5983.72363 | . |
| 4706.0 | 0.0 | 5952.94922 | . |
| 4728.0 | 0.0 | 5922.67773 | . |
| 4769.0 | 0.0 | 5892.91064 | . |
| 4667.0 | 0.0 | 5863.63574 | . |
| 4683.0 | 0.0 | 5834.85156 | . |
| 4780.0 | 0.0 | 5806.55273 | . |
| 4690.0 | 0.0 | 5778.72852 | . |
| 4768.0 | 0.0 | 5751.37549 | . |
| 4717.0 | 0.0 | 5724.48828 | . |
| 4717.0 | 0.0 | 5698.06396 | . |
| 4671.0 | 0.0 | 5672.09180 | . |
| 4774.0 | 0.0 | 5646.56738 | . |
| 4731.0 | 0.0 | 5621.48682 | . |
| 4632.0 | 0.0 | 5596.84521 | . |
| 4728.0 | 0.0 | 5572.63379 | . |
| 4688.0 | 0.0 | 5548.84961 | . |
| 4754.0 | 0.0 | 5525.48682 | . |
| 4675.0 | 0.0 | 5502.54102 | . |
| 4662.0 | 0.0 | 5480.00439 | . |
| 4562.0 | 0.0 | 5457.87402 | . |
| 4669.0 | 0.0 | 5436.14307 | . |
| 4662.0 | 0.0 | 5414.81055 | . |
| 4707.0 | 0.0 | 5393.86523 | . |
| 4652.0 | 0.0 | 5373.30566 | . |
| 4762.0 | 0.0 | 5353.12598 | . |
| 4541.0 | 0.0 | 5333.32324 | . |
| 4730.0 | 0.0 | 5313.88916 | . |
| 4677.0 | 0.0 | 5294.82129 | . |
| 4739.0 | 0.0 | 5276.11426 | . |
| 4687.0 | 0.0 | 5257.76221 | . |
| 4766.0 | 0.0 | 5239.76465 | . |
| 4657.0 | 0.0 | 5222.11133 | . |
| 4676.0 | 0.0 | 5204.80078 | . |
| 4578.0 | 0.0 | 5187.82764 | . |
| 4689.0 | 0.0 | 5171.18945 | . |
| 4724.0 | 0.0 | 5154.87842 | . |
| 4688.0 | 0.0 | 5138.89014 | . |
| 4781.0 | 0.0 | 5123.22363 | . |
| 4669.0 | 0.0 | 5107.87402 | . |
| 4720.0 | 0.0 | 5092.83350 | . |
| 4724.0 | 0.0 | 5078.10010 | . |
| 4767.0 | 0.0 | 5063.66992 | . |
| 4761.0 | 0.0 | 5049.54004 | . |
| 4800.0 | 0.0 | 5035.70264 | . |
| 4696.0 | 0.0 | 5022.15576 | . |
| 4592.0 | 0.0 | 5008.89600 | . |
| 4585.0 | 0.0 | 4995.91943 | . |
| 4696.0 | 0.0 | 4983.21973 | . |

| | | | |
|--------|-----------|------------|------------|
| 4794.0 | 0.0 | 4970.79541 | . |
| 4718.0 | 0.0 | 4958.64160 | . |
| 4741.0 | 0.0 | 4946.75635 | . |
| 4622.0 | 0.0 | 4935.13232 | . |
| 4586.0 | 0.0 | 4923.76807 | . |
| 4525.0 | 0.0 | 4912.65918 | . |
| 4794.0 | 0.0 | 4901.80273 | . |
| 4914.0 | 0.0 | 4891.19482 | . |
| 4725.0 | 0.0 | 4880.83154 | . |
| 4804.0 | 0.0 | 4870.70898 | . |
| 4661.0 | 0.0 | 4860.82373 | . |
| 4753.0 | 0.0 | 4851.17383 | . |
| 4678.0 | 0.0 | 4841.75439 | . |
| 4771.0 | 0.0 | 4832.56152 | . |
| 4791.0 | 0.0 | 4823.59277 | . |
| 4756.0 | 0.0 | 4814.84521 | . |
| 4836.0 | 0.0 | 4806.31396 | . |
| 4769.0 | 0.0 | 4797.99707 | . |
| 4839.0 | 0.0 | 4789.89063 | . |
| 4961.0 | 0.0 | 4781.99268 | . |
| 4895.0 | 0.0 | 4774.29785 | . |
| 4761.0 | 0.0 | 4766.80469 | . |
| 4698.0 | 0.0 | 4759.50977 | . |
| 4727.0 | 0.0 | 4752.41016 | . |
| 4699.0 | 0.0 | 4745.50195 | . |
| 4800.0 | 0.0 | 4738.78320 | . |
| 4671.0 | 0.0 | 4732.25000 | . |
| 4899.0 | 0.0 | 4725.90039 | . |
| 4738.0 | 0.0 | 4719.73096 | . |
| 4747.0 | 0.0 | 4713.73828 | . |
| 4690.0 | 0.0002163 | 4707.92041 | 4707.92090 |
| 4645.0 | 0.0002163 | 4702.27441 | 4702.27490 |
| 4710.0 | 0.0002100 | 4696.79736 | 4696.79785 |
| 4630.0 | 0.0002163 | 4691.48584 | 4691.48633 |
| 4668.0 | 0.0002163 | 4686.33789 | 4686.33838 |
| 4701.0 | 0.0002100 | 4681.35107 | 4681.35156 |
| 4739.0 | 0.0002100 | 4676.52246 | 4676.52295 |
| 4680.0 | 0.0002163 | 4671.84863 | 4671.84912 |
| 4687.0 | 0.0002163 | 4667.32764 | 4667.32813 |
| 4867.0 | 0.0002041 | 4662.95703 | 4662.95752 |
| 4666.0 | 0.0002163 | 4658.73486 | 4658.73535 |
| 4684.0 | 0.0002163 | 4654.65723 | 4654.65771 |
| 4679.0 | 0.0002163 | 4650.72217 | 4650.72266 |
| 4607.0 | 0.0002163 | 4646.92773 | 4646.92822 |
| 4638.0 | 0.0002163 | 4643.27148 | 4643.27197 |
| 4670.0 | 0.0002163 | 4639.75000 | 4639.75049 |
| 4667.0 | 0.0002163 | 4636.36182 | 4636.36230 |
| 4849.0 | 0.0002041 | 4633.10449 | 4633.10498 |
| 4767.0 | 0.0002100 | 4629.97559 | 4629.97607 |
| 4709.0 | 0.0002100 | 4626.97266 | 4626.97314 |
| 4791.0 | 0.0002100 | 4624.09375 | 4624.09424 |
| 4576.0 | 0.0002163 | 4621.33643 | 4621.33691 |
| 4663.0 | 0.0002163 | 4618.69873 | 4618.69922 |
| 4768.0 | 0.0002100 | 4616.17822 | 4616.17871 |

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| 4736.0 | 0.0002100 | 4613.77246 | 4613.77295 |
| 4652.0 | 0.0002163 | 4611.47998 | 4611.48047 |
| 4671.0 | 0.0002163 | 4609.29834 | 4609.29883 |
| 4604.0 | 0.0002163 | 4607.22559 | 4607.22607 |
| 4636.0 | 0.0002163 | 4605.25879 | 4605.25928 |
| 4674.0 | 0.0002163 | 4603.39746 | 4603.39795 |
| 4620.0 | 0.0002163 | 4601.63867 | 4601.63916 |
| 4684.0 | 0.0002163 | 4599.98047 | 4599.98096 |
| 4853.0 | 0.0002041 | 4598.42090 | 4598.42139 |
| 4680.0 | 0.0002163 | 4596.95850 | 4596.95898 |
| 4677.0 | 0.0002163 | 4595.59033 | 4595.59082 |
| 4621.0 | 0.0002163 | 4594.31592 | 4594.31641 |
| 4529.0 | 0.0002228 | 4593.13232 | 4593.13232 |
| 4593.0 | 0.0002163 | 4592.03760 | 4592.03760 |
| 4529.0 | 0.0002228 | 4591.03076 | 4591.03076 |
| 4643.0 | 0.0002163 | 4590.10986 | 4590.10986 |
| 4595.0 | 0.0002163 | 4589.27246 | 4589.27246 |
| 4649.0 | 0.0002163 | 4588.51758 | 4588.51758 |
| 4701.0 | 0.0002100 | 4587.84277 | 4587.84277 |
| 4682.0 | 0.0002163 | 4587.24707 | 4587.24707 |
| 4639.0 | 0.0002163 | 4586.72803 | 4586.72803 |
| 4588.0 | 0.0002163 | 4586.28467 | 4586.28467 |
| 4803.0 | 0.0002100 | 4585.91504 | 4585.91504 |
| 4735.0 | 0.0002100 | 4585.61719 | 4585.61719 |
| 4617.0 | 0.0002163 | 4585.39014 | 4585.39014 |
| 4688.0 | 0.0002163 | 4585.23193 | 4585.23193 |
| 4623.0 | 0.0002163 | 4585.14111 | 4585.14111 |
| 4747.0 | 0.0002100 | 4585.11621 | 4585.11621 |
| 4661.0 | 0.0002163 | 4585.15576 | 4585.15576 |
| 4635.0 | 0.0002163 | 4585.25830 | 4585.25830 |
| 4628.0 | 0.0002163 | 4585.42188 | 4585.42188 |
| 4618.0 | 0.0002163 | 4585.64551 | 4585.64551 |
| 4835.0 | 0.0002041 | 4585.92725 | 4585.92725 |
| 4706.0 | 0.0002100 | 4586.26611 | 4586.26611 |
| 4572.0 | 0.0002163 | 4586.66113 | 4586.66113 |
| 4718.0 | 0.0002100 | 4587.10986 | 4587.10986 |
| 4580.0 | 0.0002163 | 4587.61182 | 4587.61182 |
| 4706.0 | 0.0002100 | 4588.16504 | 4588.16504 |
| 4657.0 | 0.0002163 | 4588.76855 | 4588.76855 |
| 4663.0 | 0.0002163 | 4589.42139 | 4589.42139 |
| 4654.0 | 0.0002163 | 4590.12158 | 4590.12158 |
| 4616.0 | 0.0002163 | 4590.86816 | 4590.86816 |
| 4623.0 | 0.0002163 | 4591.65967 | 4591.65967 |
| 4690.0 | 0.0002163 | 4592.49512 | 4592.49512 |
| 4613.0 | 0.0002163 | 4593.37354 | 4593.37354 |
| 4485.0 | 0.0002228 | 4594.29297 | 4594.29297 |
| 4705.0 | 0.0002100 | 4595.25293 | 4595.25293 |
| 4680.0 | 0.0002163 | 4596.25195 | 4596.25195 |
| 4666.0 | 0.0002163 | 4597.28906 | 4597.28906 |
| 4777.0 | 0.0002100 | 4598.36279 | 4598.36279 |
| 4601.0 | 0.0002163 | 4599.47266 | 4599.47266 |
| 4683.0 | 0.0002163 | 4600.61670 | 4600.61670 |
| 4767.0 | 0.0002100 | 4601.79443 | 4601.79443 |
| 4701.0 | 0.0002100 | 4603.00439 | 4603.00439 |

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| 4692.0 | 0.0002100 | 4604.24609 | 4604.24609 |
| 4674.0 | 0.0002163 | 4605.51807 | 4605.51807 |
| 4589.0 | 0.0002163 | 4606.81934 | 4606.81934 |
| 4703.0 | 0.0002100 | 4608.14844 | 4608.14844 |
| 4650.0 | 0.0002163 | 4609.50537 | 4609.50537 |
| 4736.0 | 0.0002100 | 4610.88916 | 4610.88916 |
| 4711.0 | 0.0002100 | 4612.29785 | 4612.29785 |
| 4691.0 | 0.0002163 | 4613.73096 | 4613.73096 |
| 4645.0 | 0.0002163 | 4615.18750 | 4615.18750 |
| 4679.0 | 0.0002163 | 4616.66699 | 4616.66699 |
| 4639.0 | 0.0002163 | 4618.16797 | 4618.16797 |
| 4602.0 | 0.0002163 | 4619.68945 | 4619.68945 |
| 4596.0 | 0.0002163 | 4621.23145 | 4621.23145 |
| 4575.0 | 0.0002163 | 4622.79248 | 4622.79248 |
| 4499.0 | 0.0002228 | 4624.37158 | 4624.37158 |
| 4687.0 | 0.0002163 | 4625.96826 | 4625.96826 |
| 4663.0 | 0.0002163 | 4627.58154 | 4627.58154 |
| 4534.0 | 0.0002228 | 4629.21045 | 4629.21045 |
| 4594.0 | 0.0002163 | 4630.85449 | 4630.85449 |
| 4719.0 | 0.0002100 | 4632.51270 | 4632.51270 |
| 4808.0 | 0.0002100 | 4634.18408 | 4634.18408 |
| 4666.0 | 0.0002163 | 4635.86865 | 4663.23096 |
| 4653.0 | 0.0002163 | 4637.56494 | 4665.27246 |
| 4657.0 | 0.0002163 | 4639.27246 | 4667.33203 |
| 4520.0 | 0.0002228 | 4640.99023 | 4669.40820 |
| 4637.0 | 0.0002163 | 4642.71826 | 4671.50195 |
| 4600.0 | 0.0002163 | 4644.45557 | 4673.61182 |
| 4787.0 | 0.0002100 | 4646.20068 | 4675.73682 |
| 4680.0 | 0.0002163 | 4647.95410 | 4677.87793 |
| 4610.0 | 0.0002163 | 4649.71436 | 4680.03320 |
| 4600.0 | 0.0002163 | 4651.48096 | 4682.20264 |
| 4664.0 | 0.0002163 | 4653.25391 | 4684.38672 |
| 4709.0 | 0.0002100 | 4655.03174 | 4686.58398 |
| 4639.0 | 0.0002163 | 4656.81396 | 4688.79395 |
| 4772.0 | 0.0002100 | 4658.60059 | 4691.01709 |
| 4681.0 | 0.0002163 | 4660.39063 | 4693.25293 |
| 4688.0 | 0.0002163 | 4662.18311 | 4695.50000 |
| 4700.0 | 0.0002100 | 4663.97852 | 4697.76025 |
| 4771.0 | 0.0002100 | 4665.77539 | 4700.03125 |
| 4715.0 | 0.0002100 | 4667.57324 | 4702.31299 |
| 4572.0 | 0.0002163 | 4669.37158 | 4704.60596 |
| 4637.0 | 0.0002163 | 4671.17041 | 4706.91016 |
| 4763.0 | 0.0002100 | 4672.96924 | 4709.22510 |
| 4740.0 | 0.0002100 | 4674.76660 | 4711.54980 |
| 4634.0 | 0.0002163 | 4676.56250 | 4713.88428 |
| 4684.0 | 0.0002163 | 4678.35693 | 4716.22998 |
| 4542.0 | 0.0002228 | 4680.14893 | 4718.58496 |
| 4786.0 | 0.0002100 | 4681.93799 | 4720.94971 |
| 4701.0 | 0.0002100 | 4683.72412 | 4723.32471 |
| 4742.0 | 0.0002100 | 4685.50635 | 4725.70898 |
| 4749.0 | 0.0002100 | 4687.28467 | 4728.10352 |
| 4593.0 | 0.0002163 | 4689.05811 | 4730.50732 |
| 4741.0 | 0.0002100 | 4690.82666 | 4732.92090 |
| 4546.0 | 0.0002228 | 4692.58984 | 4735.34424 |

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| 4587.0 | 0.0002163 | 4694.34766 | 4737.77783 |
| 4623.0 | 0.0002163 | 4696.09863 | 4740.22119 |
| 4643.0 | 0.0002163 | 4697.84375 | 4742.67480 |
| 4639.0 | 0.0002163 | 4699.58154 | 4745.13867 |
| 4679.0 | 0.0002163 | 4701.31201 | 4747.61230 |
| 4695.0 | 0.0002100 | 4703.03516 | 4750.09766 |
| 4617.0 | 0.0002163 | 4704.75049 | 4752.59375 |
| 4550.0 | 0.0002228 | 4706.45703 | 4755.10107 |
| 4724.0 | 0.0002100 | 4708.15527 | 4757.62012 |
| 4695.0 | 0.0002100 | 4709.84424 | 4760.15039 |
| 4677.0 | 0.0002163 | 4711.52441 | 4762.69385 |
| 4722.0 | 0.0002100 | 4713.19434 | 4765.24951 |
| 4763.0 | 0.0002100 | 4714.85498 | 4767.81934 |
| 4697.0 | 0.0002100 | 4716.50537 | 4770.40234 |
| 4668.0 | 0.0002163 | 4718.14551 | 4773.00049 |
| 4768.0 | 0.0002100 | 4719.77441 | 4775.61279 |
| 4722.0 | 0.0002100 | 4721.39258 | 4778.24121 |
| 4801.0 | 0.0002100 | 4722.99951 | 4780.88574 |
| 4754.0 | 0.0002100 | 4724.59521 | 4783.54785 |
| 4698.0 | 0.0002100 | 4726.17871 | 4786.22754 |
| 4692.0 | 0.0002100 | 4727.75049 | 4788.92627 |
| 4543.0 | 0.0002228 | 4729.31006 | 4791.64453 |
| 4670.0 | 0.0002163 | 4730.85742 | 4794.38428 |
| 4586.0 | 0.0002163 | 4732.39209 | 4797.14551 |
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| 4617.0 | 0.0002163 | 4735.42188 | 4802.73779 |
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| 4617.0 | 0.0002163 | 4738.39941 | 4808.43262 |
| 4653.0 | 0.0002163 | 4739.86768 | 4811.32129 |
| 4848.0 | 0.0002041 | 4741.32178 | 4814.23975 |
| 4681.0 | 0.0002163 | 4742.76270 | 4817.19043 |
| 4657.0 | 0.0002163 | 4744.18896 | 4820.17383 |
| 4683.0 | 0.0002163 | 4745.60059 | 4823.19189 |
| 4743.0 | 0.0002100 | 4746.99854 | 4826.24756 |
| 4670.0 | 0.0002163 | 4748.38135 | 4829.34180 |
| 4739.0 | 0.0002100 | 4749.74951 | 4832.47705 |
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| 4704.0 | 0.0002100 | 4752.44092 | 4838.88135 |
| 4675.0 | 0.0002163 | 4753.76465 | 4842.15527 |
| 4850.0 | 0.0002041 | 4755.07227 | 4845.48047 |
| 4548.0 | 0.0002228 | 4756.36475 | 4848.85986 |
| 4731.0 | 0.0002100 | 4757.64209 | 4852.29736 |
| 4772.0 | 0.0002100 | 4758.90381 | 4855.79541 |
| 4768.0 | 0.0002100 | 4760.14941 | 4859.35791 |
| 4708.0 | 0.0002100 | 4761.37939 | 4862.98828 |
| 4756.0 | 0.0002100 | 4762.59375 | 4866.69141 |
| 4665.0 | 0.0002163 | 4763.79199 | 4870.47021 |
| 4687.0 | 0.0002163 | 4764.97461 | 4874.33105 |
| 4782.0 | 0.0002100 | 4766.14063 | 4878.27686 |
| 4782.0 | 0.0002100 | 4767.29053 | 4882.31396 |
| 4725.0 | 0.0002100 | 4768.42480 | 4886.44824 |
| 4901.0 | 0.0002041 | 4769.54199 | 4890.68408 |
| 4819.0 | 0.0002100 | 4770.64355 | 4895.02930 |
| 4789.0 | 0.0002100 | 4771.72852 | 4899.48926 |

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| 4869.0 | 0.0002041 | 4772.79688 | 4904.07227 |
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| 4783.0 | 0.0002100 | 4775.90381 | 4918.63623 |
| 4708.0 | 0.0002100 | 4776.90625 | 4923.79150 |
| 4798.0 | 0.0002100 | 4777.89209 | 4929.11426 |
| 4827.0 | 0.0002100 | 4778.86133 | 4934.61426 |
| 4781.0 | 0.0002100 | 4779.81396 | 4940.30469 |
| 4886.0 | 0.0002041 | 4780.75000 | 4946.19678 |
| 4917.0 | 0.0002041 | 4781.66992 | 4952.30566 |
| 5067.0 | 0.0001984 | 4782.57275 | 4958.64453 |
| 4993.0 | 0.0001984 | 4783.45898 | 4965.22998 |
| 4936.0 | 0.0002041 | 4784.32861 | 4972.07910 |
| 5113.0 | 0.0001929 | 4785.18164 | 4979.21094 |
| 5024.0 | 0.0001984 | 4786.01855 | 4986.64600 |
| 4938.0 | 0.0002041 | 4786.83838 | 4994.40527 |
| 5008.0 | 0.0001984 | 4787.64160 | 5002.51318 |
| 4874.0 | 0.0002041 | 4788.42871 | 5010.99561 |
| 4928.0 | 0.0002041 | 4789.19922 | 5019.88135 |
| 4855.0 | 0.0002041 | 4789.95313 | 5029.20068 |
| 4897.0 | 0.0002041 | 4790.69043 | 5038.98730 |
| 4896.0 | 0.0002041 | 4791.41162 | 5049.27930 |
| 4656.0 | 0.0002163 | 4792.11621 | 5060.11621 |
| 4819.0 | 0.0002100 | 4792.80469 | 5071.54346 |
| 4960.0 | 0.0002041 | 4793.47656 | 5083.60986 |
| 5025.0 | 0.0001984 | 4794.13232 | 5096.37012 |
| 4921.0 | 0.0002041 | 4794.77246 | 5109.88428 |
| 5005.0 | 0.0001984 | 4795.39600 | 5124.21777 |
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| 4805.0 | 0.0002100 | 4796.59521 | 5155.64746 |
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| 4929.0 | 0.0002041 | 4797.73047 | 5191.35400 |
| 4832.0 | 0.0002041 | 4798.27441 | 5211.07422 |
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| 4994.0 | 0.0001984 | 4799.31543 | 5254.89014 |
| 5150.0 | 0.0001929 | 4799.81250 | 5279.29248 |
| 5058.0 | 0.0001984 | 4800.29395 | 5305.59521 |
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| 5160.0 | 0.0001929 | 4801.21094 | 5364.76709 |
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| 5301.0 | 0.0001877 | 4802.06689 | 5434.45215 |
| 5383.0 | 0.0001877 | 4802.47217 | 5474.04590 |
| 5294.0 | 0.0001877 | 4802.86230 | 5517.33984 |
| 5615.0 | 0.0001778 | 4803.23779 | 5564.81250 |
| 5471.0 | 0.0001826 | 4803.59863 | 5617.02148 |
| 5531.0 | 0.0001826 | 4803.94482 | 5674.61719 |
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| 5839.0 | 0.0001731 | 4805.18408 | 5976.43018 |
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| 5717.0 | 0.0001731 | 4805.71826 | 6187.77344 |
| 5746.0 | 0.0001731 | 4805.96484 | 6314.90576 |
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| 6194.0 | 0.0001602 | 4806.62109 | 6818.21484 |
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| 7076.0 | 0.0001417 | 4807.15625 | 7612.96729 |
| 7302.0 | 0.0001384 | 4807.30859 | 7982.65137 |
| 7977.0 | 0.0001262 | 4807.44775 | 8428.20801 |
| 8419.0 | 0.0001181 | 4807.57373 | 8970.03223 |
| 9502.0 | 0.0001063 | 4807.68750 | 9634.00879 |
| 10738.0 | 0.0000925 | 4807.78857 | 10452.29199 |
| 12281.0 | 0.0000812 | 4807.87695 | 11463.66309 |
| 14701.0 | 0.0000683 | 4807.95313 | 12712.79102 |
| 17162.0 | 0.0000583 | 4808.01758 | 14246.95996 |
| 19394.0 | 0.0000518 | 4808.06934 | 16107.15332 |
| 21575.0 | 0.0000463 | 4808.10938 | 18307.69727 |
| 23943.0 | 0.0000416 | 4808.13770 | 20796.59375 |
| 25039.0 | 0.0000401 | 4808.15479 | 23394.52344 |
| 25277.0 | 0.0000396 | 4808.15967 | 25739.78711 |
| 24727.0 | 0.0000406 | 4808.15381 | 27321.00586 |
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| 21022.0 | 0.0000476 | 4808.06885 | 24692.80664 |
| 19003.0 | 0.0000525 | 4808.01855 | 22170.88477 |
| 16985.0 | 0.0000592 | 4807.95801 | 19591.33594 |
| 15068.0 | 0.0000661 | 4807.88672 | 17225.78125 |
| 13574.0 | 0.0000731 | 4807.80518 | 15184.90234 |
| 12264.0 | 0.0000812 | 4807.71338 | 13482.89844 |
| 10971.0 | 0.0000907 | 4807.61182 | 12089.26465 |
| 10107.0 | 0.0000980 | 4807.50000 | 10958.37305 |
| 9033.0 | 0.0001108 | 4807.37842 | 10043.50977 |
| 8595.0 | 0.0001156 | 4807.24756 | 9302.58594 |
| 8205.0 | 0.0001208 | 4807.10693 | 8699.94922 |
| 7611.0 | 0.0001321 | 4806.95752 | 8206.49219 |
| 7293.0 | 0.0001384 | 4806.79834 | 7799.03516 |
| 7064.0 | 0.0001417 | 4806.63086 | 7459.45703 |
| 6662.0 | 0.0001487 | 4806.45410 | 7173.75488 |
| 6606.0 | 0.0001524 | 4806.26855 | 6931.17432 |
| 6336.0 | 0.0001562 | 4806.07471 | 6723.45410 |
| 6234.0 | 0.0001602 | 4805.87256 | 6544.21533 |
| 6066.0 | 0.0001644 | 4805.66211 | 6388.48730 |
| 6046.0 | 0.0001644 | 4805.44385 | 6252.35156 |
| 5897.0 | 0.0001687 | 4805.21729 | 6132.67920 |
| 5758.0 | 0.0001731 | 4804.98340 | 6026.94727 |
| 5693.0 | 0.0001778 | 4804.74170 | 5933.09570 |
| 5750.0 | 0.0001731 | 4804.49268 | 5849.42920 |
| 5608.0 | 0.0001778 | 4804.23633 | 5774.54053 |
| 5526.0 | 0.0001826 | 4803.97266 | 5707.25586 |
| 5456.0 | 0.0001826 | 4803.70264 | 5646.58887 |
| 5379.0 | 0.0001877 | 4803.42529 | 5591.70361 |
| 5419.0 | 0.0001826 | 4803.14160 | 5541.89307 |
| 5318.0 | 0.0001877 | 4802.85156 | 5496.55273 |
| 5356.0 | 0.0001877 | 4802.55469 | 5455.16406 |
| 5241.0 | 0.0001929 | 4802.25195 | 5417.28125 |
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| 5292.0 | 0.0001877 | 4801.62891 | 5350.54443 |
| 5127.0 | 0.0001929 | 4801.30859 | 5321.06396 |
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| 5182.0 | 0.0001929 | 4800.65186 | 5268.60254 |
| 5128.0 | 0.0001929 | 4800.31543 | 5245.20166 |
| 5100.0 | 0.0001984 | 4799.97412 | 5223.44922 |
| 5094.0 | 0.0001984 | 4799.62793 | 5203.19189 |
| 5041.0 | 0.0001984 | 4799.27734 | 5184.29395 |
| 5076.0 | 0.0001984 | 4798.92188 | 5166.63379 |
| 5086.0 | 0.0001984 | 4798.56201 | 5211.36230 |
| 4929.0 | 0.0002041 | 4798.19775 | 5196.88916 |
| 5103.0 | 0.0001984 | 4797.82959 | 5183.39014 |
| 5148.0 | 0.0001929 | 4797.45801 | 5170.78760 |
| 5132.0 | 0.0001929 | 4797.08203 | 5166.01318 |
| 5054.0 | 0.0001984 | 4796.70264 | 5155.11963 |
| 5056.0 | 0.0001984 | 4796.31982 | 5144.93896 |
| 5052.0 | 0.0001984 | 4795.93359 | 5135.41943 |
| 4973.0 | 0.0001984 | 4795.54443 | 5126.51709 |
| 4903.0 | 0.0002041 | 4795.15234 | 5118.18994 |
| 4939.0 | 0.0002041 | 4794.75732 | 5110.40039 |
| 5004.0 | 0.0001984 | 4794.35986 | 5103.11475 |
| 4953.0 | 0.0002041 | 4793.95947 | 5096.30225 |
| 4931.0 | 0.0002041 | 4793.55713 | 5089.93506 |
| 4925.0 | 0.0002041 | 4793.15234 | 5083.98584 |
| 5039.0 | 0.0001984 | 4792.74609 | 5078.43408 |
| 4962.0 | 0.0002041 | 4792.33740 | 5073.25732 |
| 4915.0 | 0.0002041 | 4791.92725 | 5068.43652 |
| 4982.0 | 0.0001984 | 4791.51563 | 5063.95508 |
| 4964.0 | 0.0002041 | 4791.10205 | 5059.79492 |
| 4828.0 | 0.0002100 | 4790.68799 | 5055.94434 |
| 4874.0 | 0.0002041 | 4790.27246 | 5052.38867 |
| 4893.0 | 0.0002041 | 4789.85596 | 5049.11670 |
| 4874.0 | 0.0002041 | 4789.43848 | 5046.11768 |
| 4862.0 | 0.0002041 | 4789.02100 | 5043.38184 |
| 5021.0 | 0.0001984 | 4788.60254 | 5040.90088 |
| 4971.0 | 0.0001984 | 4788.18359 | 5038.66650 |
| 4965.0 | 0.0002041 | 4787.76465 | 5036.67285 |
| 4903.0 | 0.0002041 | 4787.34570 | 5034.91309 |
| 4905.0 | 0.0002041 | 4786.92725 | 5033.38281 |
| 4945.0 | 0.0002041 | 4786.50830 | 5032.07764 |
| 4843.0 | 0.0002041 | 4786.09033 | 5030.99268 |
| 4974.0 | 0.0001984 | 4785.67285 | 5030.12598 |
| 5043.0 | 0.0001984 | 4785.25586 | 5029.47461 |
| 4904.0 | 0.0002041 | 4784.83984 | 5029.03760 |
| 4991.0 | 0.0001984 | 4784.42480 | 5028.81250 |
| 4916.0 | 0.0002041 | 4784.01123 | 5028.80078 |
| 4926.0 | 0.0002041 | 4783.59863 | 5029.00000 |
| 4901.0 | 0.0002041 | 4783.18750 | 5029.41309 |
| 4886.0 | 0.0002041 | 4782.77783 | 5030.04053 |
| 4835.0 | 0.0002041 | 4782.37012 | 5030.88428 |
| 4904.0 | 0.0002041 | 4781.96387 | 5031.94629 |
| 4882.0 | 0.0002041 | 4781.56006 | 5033.23047 |
| 4954.0 | 0.0002041 | 4781.15820 | 5034.74072 |
| 4964.0 | 0.0002041 | 4780.75879 | 5036.48145 |

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| 4840.0 | 0.0002041 | 4780.36182 | 5038.45703 |
| 5052.0 | 0.0001984 | 4779.96729 | 5040.67480 |
| 4885.0 | 0.0002041 | 4779.57520 | 5043.13965 |
| 4935.0 | 0.0002041 | 4779.18652 | 5045.86084 |
| 5033.0 | 0.0001984 | 4778.80029 | 5048.84473 |
| 4852.0 | 0.0002041 | 4778.41748 | 5052.10254 |
| 4807.0 | 0.0002100 | 4778.03760 | 5055.64258 |
| 4896.0 | 0.0002041 | 4777.66162 | 5059.47656 |
| 4961.0 | 0.0002041 | 4777.28857 | 5063.61621 |
| 5022.0 | 0.0001984 | 4776.91943 | 5068.07568 |
| 5026.0 | 0.0001984 | 4776.55420 | 5072.86914 |
| 5093.0 | 0.0001984 | 4776.19287 | 5078.01172 |
| 4965.0 | 0.0002041 | 4775.83545 | 5083.52148 |
| 4968.0 | 0.0002041 | 4775.48193 | 5089.41650 |
| 5032.0 | 0.0001984 | 4775.13281 | 5095.71729 |
| 5002.0 | 0.0001984 | 4774.78857 | 5102.44775 |
| 5012.0 | 0.0001984 | 4774.44824 | 5109.62988 |
| 4961.0 | 0.0002041 | 4774.11328 | 5117.29297 |
| 4994.0 | 0.0001984 | 4773.78271 | 5125.46338 |
| 5115.0 | 0.0001929 | 4773.45703 | 5134.17432 |
| 5143.0 | 0.0001929 | 4773.13623 | 5143.45996 |
| 5125.0 | 0.0001929 | 4772.82080 | 5153.35840 |
| 5223.0 | 0.0001929 | 4772.51074 | 5163.91162 |
| 5105.0 | 0.0001984 | 4772.20605 | 5175.16455 |
| 5096.0 | 0.0001984 | 4771.90674 | 5187.16699 |
| 5101.0 | 0.0001984 | 4771.61328 | 5199.97412 |
| 5103.0 | 0.0001984 | 4771.32520 | 5213.64648 |
| 5082.0 | 0.0001984 | 4771.04346 | 5228.25098 |
| 5155.0 | 0.0001929 | 4770.76758 | 5243.86084 |
| 5181.0 | 0.0001929 | 4770.49756 | 5260.55713 |
| 5264.0 | 0.0001877 | 4770.23389 | 5278.43115 |
| 5217.0 | 0.0001929 | 4769.97656 | 5297.58203 |
| 5246.0 | 0.0001929 | 4769.72559 | 5318.12256 |
| 5225.0 | 0.0001929 | 4769.48145 | 5340.17676 |
| 5246.0 | 0.0001929 | 4769.24365 | 5363.88330 |
| 5403.0 | 0.0001826 | 4769.01318 | 5389.39844 |
| 5349.0 | 0.0001877 | 4768.78906 | 5416.89600 |
| 5354.0 | 0.0001877 | 4768.57178 | 5446.57422 |
| 5465.0 | 0.0001826 | 4768.36182 | 5478.65527 |
| 5457.0 | 0.0001826 | 4768.15918 | 5513.39111 |
| 5464.0 | 0.0001826 | 4767.96387 | 5551.06885 |
| 5492.0 | 0.0001826 | 4767.77588 | 5592.01221 |
| 5575.0 | 0.0001778 | 4767.59570 | 5636.59717 |
| 5563.0 | 0.0001778 | 4767.42285 | 5685.25049 |
| 5668.0 | 0.0001778 | 4767.25732 | 5738.46436 |
| 5667.0 | 0.0001778 | 4767.10010 | 5796.80957 |
| 5745.0 | 0.0001731 | 4766.95068 | 5860.94922 |
| 5857.0 | 0.0001687 | 4766.80908 | 5931.65479 |
| 5963.0 | 0.0001687 | 4766.67578 | 6009.83301 |
| 5907.0 | 0.0001687 | 4766.55078 | 6096.54883 |
| 6099.0 | 0.0001644 | 4766.43359 | 6193.06445 |
| 6156.0 | 0.0001644 | 4766.32520 | 6300.88623 |
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| 6400.0 | 0.0001562 | 4766.05078 | 6712.13721 |
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| 7227.0 | 0.0001384 | 4765.80811 | 7584.83789 |
| 7407.0 | 0.0001352 | 4765.77002 | 7895.57764 |
| 7800.0 | 0.0001291 | 4765.74072 | 8260.44043 |
| 8097.0 | 0.0001235 | 4765.72119 | 8692.44238 |
| 8548.0 | 0.0001181 | 4765.71045 | 9208.69727 |
| 9095.0 | 0.0001108 | 4765.70947 | 9832.07129 |
| 9841.0 | 0.0001020 | 4765.71826 | 10593.62891 |
| 10607.0 | 0.0000943 | 4765.73584 | 11536.24316 |
| 11517.0 | 0.0000873 | 4765.76367 | 12719.80957 |
| 12838.0 | 0.0000783 | 4765.80127 | 14228.38281 |
| 14354.0 | 0.0000694 | 4765.84863 | 16179.38672 |
| 16464.0 | 0.0000610 | 4765.90527 | 18734.16406 |
| 19206.0 | 0.0000518 | 4765.97266 | 22106.71875 |
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| 27842.0 | 0.0000359 | 4766.13672 | 32356.41797 |
| 34808.0 | 0.0000286 | 4766.23438 | 39584.78125 |
| 43875.0 | 0.0000229 | 4766.34180 | 47735.95313 |
| 53444.0 | 0.0000187 | 4766.45947 | 55108.51172 |
| 61708.0 | 0.0000163 | 4766.58789 | 58954.48047 |
| 65516.0 | 0.0000153 | 4766.72656 | 57510.72656 |
| 62322.0 | 0.0000160 | 4766.87549 | 51930.89063 |
| 53991.0 | 0.0000186 | 4767.03564 | 44945.40625 |
| 43149.0 | 0.0000231 | 4767.20605 | 38428.55078 |
| 33128.0 | 0.0000302 | 4767.38672 | 32847.76172 |
| 25687.0 | 0.0000391 | 4767.57861 | 28018.72461 |
| 20227.0 | 0.0000496 | 4767.78125 | 23818.60156 |
| 16550.0 | 0.0000601 | 4767.99512 | 20288.42773 |
| 13806.0 | 0.0000731 | 4768.21924 | 17442.93359 |
| 12069.0 | 0.0000826 | 4768.45459 | 15207.15039 |
| 10718.0 | 0.0000925 | 4768.70117 | 13464.27441 |
| 9711.0 | 0.0001020 | 4768.95898 | 12100.96387 |
| 9031.0 | 0.0001108 | 4769.22754 | 11024.59277 |
| 8373.0 | 0.0001181 | 4769.50732 | 10164.64063 |
| 7945.0 | 0.0001262 | 4769.79834 | 9468.86230 |
| 7659.0 | 0.0001291 | 4770.10107 | 8898.87500 |
| 7416.0 | 0.0001352 | 4770.41504 | 8426.43945 |
| 7074.0 | 0.0001417 | 4770.74023 | 8030.63428 |
| 6919.0 | 0.0001452 | 4771.07666 | 7695.80566 |
| 6673.0 | 0.0001487 | 4771.42480 | 7410.09082 |
| 6501.0 | 0.0001524 | 4771.78467 | 7164.37744 |
| 6298.0 | 0.0001602 | 4772.15576 | 6951.57129 |
| 6285.0 | 0.0001602 | 4772.53857 | 6766.08252 |
| 6141.0 | 0.0001644 | 4772.93359 | 6603.45703 |
| 6129.0 | 0.0001644 | 4773.33984 | 6460.10889 |
| 5969.0 | 0.0001687 | 4773.75781 | 6333.12695 |
| 5922.0 | 0.0001687 | 4774.18750 | 6220.12793 |
| 5751.0 | 0.0001731 | 4774.62891 | 6119.14502 |
| 5850.0 | 0.0001731 | 4775.08252 | 6028.54639 |
| 5681.0 | 0.0001778 | 4775.54785 | 5946.96631 |
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| 5613.0 | 0.0001778 | 4776.51465 | 5806.44482 |
| 5587.0 | 0.0001778 | 4777.01611 | 5745.70557 |
| 5546.0 | 0.0001826 | 4777.52979 | 5690.33350 |
| 5623.0 | 0.0001778 | 4778.05518 | 5639.72021 |
| 5474.0 | 0.0001826 | 4778.59277 | 5593.34521 |
| 5427.0 | 0.0001826 | 4779.14209 | 5533.66943 |
| 5389.0 | 0.0001877 | 4779.70410 | 5494.63525 |
| 5369.0 | 0.0001877 | 4780.27832 | 5458.64551 |
| 5413.0 | 0.0001826 | 4780.86426 | 5425.39746 |
| 5313.0 | 0.0001877 | 4781.46289 | 5394.62744 |
| 5324.0 | 0.0001877 | 4782.07373 | 5366.10205 |
| 5232.0 | 0.0001929 | 4782.69629 | 5339.61328 |
| 5351.0 | 0.0001877 | 4783.33203 | 5314.97998 |
| 5297.0 | 0.0001877 | 4783.97949 | 5292.03760 |
| 5220.0 | 0.0001929 | 4784.63965 | 5270.64160 |
| 5221.0 | 0.0001929 | 4785.31201 | 5250.66211 |
| 5154.0 | 0.0001929 | 4785.99658 | 5231.98193 |
| 5124.0 | 0.0001929 | 4786.69336 | 5214.49707 |
| 5121.0 | 0.0001929 | 4787.40332 | 5198.11328 |
| 5095.0 | 0.0001984 | 4788.12500 | 5182.74414 |
| 5193.0 | 0.0001929 | 4788.85986 | 5168.31494 |
| 5164.0 | 0.0001929 | 4789.60645 | 5154.75439 |
| 5114.0 | 0.0001929 | 4790.36572 | 5141.99951 |
| 5102.0 | 0.0001984 | 4791.13770 | 5129.99365 |
| 5114.0 | 0.0001929 | 4791.92236 | 5118.68359 |
| 5135.0 | 0.0001929 | 4792.71924 | 5108.02148 |
| 5120.0 | 0.0001929 | 4793.52832 | 5097.96338 |
| 5086.0 | 0.0001984 | 4794.35059 | 5088.46973 |
| 5086.0 | 0.0001984 | 4795.18506 | 5079.50391 |
| 4995.0 | 0.0001984 | 4796.03174 | 5071.03174 |
| 5062.0 | 0.0001984 | 4796.89111 | 5063.02295 |
| 4977.0 | 0.0001984 | 4797.76367 | 5055.44873 |
| 4980.0 | 0.0001984 | 4798.64795 | 5048.28174 |
| 4982.0 | 0.0001984 | 4799.54541 | 5041.49951 |
| 4957.0 | 0.0002041 | 4800.45508 | 5035.07813 |
| 5135.0 | 0.0001929 | 4801.37744 | 5028.99756 |
| 5093.0 | 0.0001984 | 4802.31201 | 5023.23779 |
| 4946.0 | 0.0002041 | 4803.25977 | 5017.78174 |
| 5124.0 | 0.0001929 | 4804.21973 | 5012.61230 |
| 5081.0 | 0.0001984 | 4805.19238 | 5007.71484 |
| 5029.0 | 0.0001984 | 4806.17725 | 5003.07324 |
| 4900.0 | 0.0002041 | 4807.17480 | 4998.67627 |
| 5010.0 | 0.0001984 | 4808.18506 | 4994.51025 |
| 4863.0 | 0.0002041 | 4809.20801 | 4990.56396 |
| 4943.0 | 0.0002041 | 4810.24316 | 4986.82568 |
| 4936.0 | 0.0002041 | 4811.29102 | 4983.28613 |
| 4999.0 | 0.0001984 | 4812.35107 | 4979.93506 |
| 4996.0 | 0.0001984 | 4813.42383 | 4976.76465 |
| 4996.0 | 0.0001984 | 4814.50928 | 4973.76514 |
| 4991.0 | 0.0001984 | 4815.60693 | 4970.92969 |
| 4992.0 | 0.0001984 | 4816.71680 | 4968.25049 |
| 4834.0 | 0.0002041 | 4817.83984 | 4965.72119 |
| 4904.0 | 0.0002041 | 4818.97461 | 4963.33398 |
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| 4951.0 | 0.0002041 | 4821.28223 | 4958.96436 |
| 4880.0 | 0.0002041 | 4822.45459 | 4956.97070 |
| 4975.0 | 0.0001984 | 4823.63916 | 4955.09717 |
| 4941.0 | 0.0002041 | 4824.83643 | 4953.33936 |
| 4863.0 | 0.0002041 | 4826.04590 | 4951.69238 |
| 4889.0 | 0.0002041 | 4827.26758 | 4950.15137 |
| 4971.0 | 0.0001984 | 4828.50146 | 4948.71289 |
| 4888.0 | 0.0002041 | 4829.74805 | 4947.37354 |
| 4957.0 | 0.0002041 | 4831.00635 | 4946.12793 |
| 4825.0 | 0.0002100 | 4832.27734 | 4944.97412 |
| 5154.0 | 0.0001929 | 4833.56055 | 4943.90869 |
| 5007.0 | 0.0001984 | 4834.85596 | 4942.92822 |
| 4819.0 | 0.0002100 | 4836.16309 | 4942.02881 |
| 4907.0 | 0.0002041 | 4837.48242 | 4941.20850 |
| 4922.0 | 0.0002041 | 4838.81445 | 4940.46484 |
| 4928.0 | 0.0002041 | 4840.15820 | 4939.79492 |
| 4810.0 | 0.0002100 | 4841.51416 | 4939.19629 |
| 4972.0 | 0.0001984 | 4842.88184 | 4938.66650 |
| 4877.0 | 0.0002041 | 4844.26172 | 4938.20361 |
| 4927.0 | 0.0002041 | 4845.65332 | 4937.80518 |
| 4908.0 | 0.0002041 | 4847.05713 | 4937.46924 |
| 4879.0 | 0.0002041 | 4848.47266 | 4937.19385 |
| 4945.0 | 0.0002041 | 4849.90039 | 4936.97803 |
| 4955.0 | 0.0002041 | 4851.33984 | 4936.81885 |
| 4982.0 | 0.0001984 | 4852.79102 | 4936.71533 |
| 4762.0 | 0.0002100 | 4854.25391 | 4936.66504 |
| 4934.0 | 0.0002041 | 4855.72900 | 4936.66797 |
| 4911.0 | 0.0002041 | 4857.21533 | 4936.72119 |
| 4992.0 | 0.0001984 | 4858.71338 | 4936.82373 |
| 5030.0 | 0.0001984 | 4860.22314 | 4936.97412 |
| 4952.0 | 0.0002041 | 4861.74463 | 4937.17188 |
| 4845.0 | 0.0002041 | 4863.27734 | 4937.41455 |
| 4963.0 | 0.0002041 | 4864.82178 | 4937.70215 |
| 4979.0 | 0.0001984 | 4866.37793 | 4938.03223 |
| 4948.0 | 0.0002041 | 4867.94531 | 4938.40479 |
| 4911.0 | 0.0002041 | 4869.52393 | 4938.81836 |
| 4906.0 | 0.0002041 | 4871.11426 | 4939.27197 |
| 5033.0 | 0.0001984 | 4872.71533 | 4939.76465 |
| 4959.0 | 0.0002041 | 4874.32813 | 4940.29541 |
| 4819.0 | 0.0002100 | 4875.95215 | 4946.49463 |
| 4858.0 | 0.0002041 | 4877.58740 | 4947.14404 |
| 4870.0 | 0.0002041 | 4879.23389 | 4947.82861 |
| 4938.0 | 0.0002041 | 4880.89111 | 4948.54834 |
| 4860.0 | 0.0002041 | 4882.55957 | 4949.30322 |
| 5079.0 | 0.0001984 | 4884.23877 | 4950.09131 |
| 4862.0 | 0.0002041 | 4885.92920 | 4950.91211 |
| 4876.0 | 0.0002041 | 4887.63037 | 4951.76563 |
| 4920.0 | 0.0002041 | 4889.34277 | 4952.65088 |
| 4937.0 | 0.0002041 | 4891.06592 | 4953.56738 |
| 4781.0 | 0.0002100 | 4892.79932 | 4954.51367 |
| 4999.0 | 0.0001984 | 4894.54395 | 4955.49072 |
| 4925.0 | 0.0002041 | 4896.29883 | 4956.49561 |
| 4888.0 | 0.0002041 | 4898.06445 | 4957.52979 |
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| 4773.0 | 0.0002100 | 4901.62744 | 4959.68213 |
| 4970.0 | 0.0001984 | 4903.42480 | 4960.79980 |
| 4864.0 | 0.0002041 | 4905.23242 | 4961.94287 |
| 4998.0 | 0.0001984 | 4907.05078 | 4963.11328 |
| 4965.0 | 0.0002041 | 4908.87891 | 4964.30811 |
| 4935.0 | 0.0002041 | 4910.71729 | 4965.52832 |
| 5022.0 | 0.0001984 | 4912.56592 | 4966.77393 |
| 4870.0 | 0.0002041 | 4914.42480 | 4968.04395 |
| 4927.0 | 0.0002041 | 4916.29395 | 4969.33740 |
| 4835.0 | 0.0002041 | 4918.17285 | 4970.65479 |
| 4921.0 | 0.0002041 | 4920.06152 | 4971.99512 |
| 4877.0 | 0.0002041 | 4921.96045 | 4973.35742 |
| 4940.0 | 0.0002041 | 4923.86914 | 4974.74365 |
| 4918.0 | 0.0002041 | 4925.78711 | 4976.15039 |
| 4912.0 | 0.0002041 | 4927.71533 | 4977.57959 |
| 4832.0 | 0.0002041 | 4929.65332 | 4979.03076 |
| 4950.0 | 0.0002041 | 4931.60059 | 4980.50244 |
| 5032.0 | 0.0001984 | 4933.55762 | 4981.99512 |
| 4842.0 | 0.0002041 | 4935.52393 | 4983.50781 |
| 4787.0 | 0.0002100 | 4937.49951 | 4985.04102 |
| 5000.0 | 0.0001984 | 4939.48486 | 4951.41553 |
| 4951.0 | 0.0002041 | 4941.47900 | 4953.42334 |
| 4899.0 | 0.0002041 | 4943.48291 | 4955.44336 |
| 5028.0 | 0.0001984 | 4945.49609 | 4957.47412 |
| 4951.0 | 0.0002041 | 4947.51807 | 4955.37207 |
| 5007.0 | 0.0001984 | 4949.54883 | 4957.47607 |
| 4946.0 | 0.0002041 | 4951.58887 | 4959.59082 |
| 4974.0 | 0.0001984 | 4953.63770 | 4961.71484 |
| 4966.0 | 0.0002041 | 4955.69531 | 4963.84912 |
| 5040.0 | 0.0001984 | 4957.76172 | 4965.99316 |
| 4766.0 | 0.0002100 | 4959.83691 | 4968.14697 |
| 4814.0 | 0.0002100 | 4961.92090 | 4970.31104 |
| 4950.0 | 0.0002041 | 4964.01318 | 4972.48438 |
| 4896.0 | 0.0002041 | 4966.11426 | 4974.66748 |
| 4970.0 | 0.0001984 | 4968.22363 | 4976.86035 |
| 4968.0 | 0.0002041 | 4970.34131 | 4979.06250 |
| 4915.0 | 0.0002041 | 4972.46729 | 4981.27441 |
| 4844.0 | 0.0002041 | 4974.60156 | 4983.49609 |
| 4991.0 | 0.0001984 | 4976.74414 | 4985.72705 |
| 5189.0 | 0.0001929 | 4978.89453 | 4987.96729 |
| 4910.0 | 0.0002041 | 4981.05273 | 4990.21680 |
| 5092.0 | 0.0001984 | 4983.21924 | 4992.47559 |
| 5059.0 | 0.0001984 | 4985.39355 | 4994.74414 |
| 4933.0 | 0.0002041 | 4987.57568 | 4997.02148 |
| 4854.0 | 0.0002041 | 4989.76563 | 4999.30811 |
| 4860.0 | 0.0002041 | 4991.96338 | 5001.60449 |
| 5106.0 | 0.0001984 | 4994.16846 | 5003.90918 |
| 4994.0 | 0.0001984 | 4996.38135 | 5006.22363 |
| 4983.0 | 0.0001984 | 4998.60107 | 5008.54639 |
| 4937.0 | 0.0002041 | 5000.82861 | 5010.87842 |
| 4995.0 | 0.0001984 | 5003.06348 | 5013.21973 |
| 5016.0 | 0.0001984 | 5005.30566 | 5015.56982 |
| 5066.0 | 0.0001984 | 5007.55469 | 5017.92871 |
| 4913.0 | 0.0002041 | 5009.81104 | 5020.29639 |

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| 4868.0 | 0.0002041 | 5012.07422 | 5022.67285 |
| 4953.0 | 0.0002041 | 5014.34473 | 5025.05859 |
| 4944.0 | 0.0002041 | 5016.62109 | 5027.45215 |
| 5071.0 | 0.0001984 | 5018.90527 | 5029.85498 |
| 5051.0 | 0.0001984 | 5021.19580 | 5032.26660 |
| 5105.0 | 0.0001984 | 5023.49268 | 5034.68652 |
| 4974.0 | 0.0001984 | 5025.79639 | 5037.11523 |
| 5039.0 | 0.0001984 | 5028.10645 | 5039.55225 |
| 5050.0 | 0.0001984 | 5030.42334 | 5041.99854 |
| 5087.0 | 0.0001984 | 5032.74609 | 5044.45264 |
| 5016.0 | 0.0001984 | 5035.07520 | 5046.91553 |
| 5024.0 | 0.0001984 | 5037.41016 | 5049.38623 |
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| 6679.0 | 0.0001487 | 5673.66357 | 6619.22461 |
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| 6520.0 | 0.0001524 | 5675.94873 | 6536.96191 |
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| 6540.0 | 0.0001524 | 5677.52393 | 6511.67725 |
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| 6621.0 | 0.0001524 | 5680.73828 | 6600.90137 |
| 6651.0 | 0.0001487 | 5681.14453 | 6640.56787 |
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| 7888.0 | 0.0001262 | 5683.91650 | 7745.26563 |
| 8319.0 | 0.0001208 | 5684.20313 | 8065.64600 |
| 8436.0 | 0.0001181 | 5684.47656 | 8443.49805 |
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| 10253.0 | 0.0000980 | 5685.64307 | 10764.16504 |
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| 6288.0 | 0.0001602 | 5677.51660 | 6050.76514 |
| 6231.0 | 0.0001602 | 5677.00586 | 6029.26807 |
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| 5884.0 | 0.0001687 | 5660.85205 | 5804.95410 |
| 5881.0 | 0.0001687 | 5660.01855 | 5800.46143 |
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| 5578.0 | 0.0001778 | 5641.79395 | 5736.60156 |
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| 5665.0 | 0.0001778 | 5621.72559 | 5697.08789 |
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| 5584.0 | 0.0001778 | 5554.21777 | 5598.50195 |
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| 5582.0 | 0.0001778 | 5550.64453 | 5594.35156 |
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| 5579.0 | 0.0001778 | 5545.20605 | 5588.11035 |
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| 5597.0 | 0.0001778 | 5520.57471 | 5560.84961 |
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| 5554.0 | 0.0001778 | 5496.35156 | 5517.60010 |
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| 5522.0 | 0.0001826 | 5472.94922 | 5495.52783 |
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| 5618.0 | 0.0001778 | 5267.55908 | 5487.55029 |
| 5541.0 | 0.0001826 | 5264.76953 | 5501.57715 |
| 5572.0 | 0.0001778 | 5261.97461 | 5517.92920 |
| 5509.0 | 0.0001826 | 5259.17432 | 5537.11182 |
| 5598.0 | 0.0001778 | 5256.36816 | 5559.75098 |
| 5667.0 | 0.0001778 | 5253.55615 | 5586.61035 |
| 5519.0 | 0.0001826 | 5250.73828 | 5618.60449 |

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| 5790.0 | 0.0001731 | 5247.91553 | 5656.80664 |
| 5699.0 | 0.0001778 | 5245.08691 | 5702.44189 |
| 5842.0 | 0.0001731 | 5242.25293 | 5757.28760 |
| 5891.0 | 0.0001687 | 5239.41406 | 5822.00635 |
| 5917.0 | 0.0001687 | 5236.56982 | 5898.55176 |
| 5891.0 | 0.0001687 | 5233.71973 | 5988.47412 |
| 5895.0 | 0.0001687 | 5230.86475 | 6093.23486 |
| 6031.0 | 0.0001644 | 5228.00391 | 6214.05322 |
| 5982.0 | 0.0001687 | 5225.13867 | 6351.67285 |
| 6117.0 | 0.0001644 | 5222.26758 | 6505.99365 |
| 6075.0 | 0.0001644 | 5219.39160 | 6675.57715 |
| 6281.0 | 0.0001602 | 5216.51074 | 6857.06592 |
| 6247.0 | 0.0001602 | 5213.62500 | 7044.83350 |
| 6569.0 | 0.0001524 | 5210.73438 | 7231.33936 |
| 6693.0 | 0.0001487 | 5207.83887 | 7408.67920 |
| 6648.0 | 0.0001487 | 5204.93799 | 7571.13818 |
| 6836.0 | 0.0001452 | 5202.03223 | 7717.45410 |
| 6960.0 | 0.0001452 | 5199.12207 | 7851.05957 |
| 6992.0 | 0.0001417 | 5196.20654 | 7977.73145 |
| 7110.0 | 0.0001417 | 5193.28662 | 8101.79541 |
| 7409.0 | 0.0001352 | 5190.36182 | 8222.61230 |
| 7569.0 | 0.0001321 | 5187.43311 | 8332.52051 |
| 7658.0 | 0.0001291 | 5184.49951 | 8416.89844 |
| 7749.0 | 0.0001291 | 5181.56055 | 8456.95313 |
| 7824.0 | 0.0001291 | 5178.61768 | 8435.30566 |
| 7762.0 | 0.0001291 | 5175.66992 | 8342.59473 |
| 7853.0 | 0.0001262 | 5172.71826 | 8181.61768 |
| 7862.0 | 0.0001262 | 5169.76172 | 7966.31104 |
| 7796.0 | 0.0001291 | 5166.80078 | 7716.54395 |
| 7547.0 | 0.0001321 | 5163.83643 | 7452.19434 |
| 7541.0 | 0.0001321 | 5160.86670 | 7189.35645 |
| 7318.0 | 0.0001352 | 5157.89307 | 6939.18555 |
| 7233.0 | 0.0001384 | 5154.91504 | 6708.40967 |
| 7012.0 | 0.0001417 | 5151.93311 | 6500.42480 |
| 6798.0 | 0.0001487 | 5148.94678 | 6316.34180 |
| 6727.0 | 0.0001487 | 5145.95654 | 6155.77490 |
| 6649.0 | 0.0001487 | 5142.96240 | 6017.38574 |
| 6434.0 | 0.0001562 | 5139.96387 | 5899.25928 |
| 6400.0 | 0.0001562 | 5136.96191 | 5799.17236 |
| 6231.0 | 0.0001602 | 5133.95605 | 5711.86572 |
| 6141.0 | 0.0001644 | 5130.94580 | 5640.88623 |
| 5935.0 | 0.0001687 | 5127.93164 | 5581.13477 |
| 5904.0 | 0.0001687 | 5124.91357 | 5530.65820 |
| 5832.0 | 0.0001731 | 5121.89209 | 5487.75537 |
| 5810.0 | 0.0001731 | 5118.86670 | 5450.98535 |
| 5639.0 | 0.0001778 | 5115.83740 | 5419.16211 |
| 5756.0 | 0.0001731 | 5112.80518 | 5391.32813 |
| 5578.0 | 0.0001778 | 5109.76904 | 5366.72021 |
| 5563.0 | 0.0001778 | 5106.72900 | 5344.74316 |
| 5566.0 | 0.0001778 | 5103.68555 | 5324.93359 |
| 5531.0 | 0.0001826 | 5100.63818 | 5306.92969 |
| 5490.0 | 0.0001826 | 5097.58789 | 5290.45020 |
| 5464.0 | 0.0001826 | 5094.53369 | 5275.27100 |
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| 5393.0 | 0.0001877 | 5088.41650 | 5248.14404 |
| 5476.0 | 0.0001826 | 5085.35254 | 5235.93115 |
| 5233.0 | 0.0001929 | 5082.28516 | 5224.48047 |
| 5306.0 | 0.0001877 | 5079.21484 | 5213.70850 |
| 5323.0 | 0.0001877 | 5076.14111 | 5203.54199 |
| 5319.0 | 0.0001877 | 5073.06445 | 5193.91895 |
| 5323.0 | 0.0001877 | 5069.98438 | 5184.78467 |
| 5348.0 | 0.0001877 | 5066.90137 | 5176.09180 |
| 5264.0 | 0.0001877 | 5063.81494 | 5167.79785 |
| 5151.0 | 0.0001929 | 5060.72656 | 5159.86621 |
| 5331.0 | 0.0001877 | 5057.63428 | 5152.26367 |
| 5242.0 | 0.0001929 | 5054.53955 | 5144.96094 |
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| 5307.0 | 0.0001877 | 5045.23730 | 5124.60059 |
| 5256.0 | 0.0001929 | 5042.13086 | 5118.25977 |
| 5146.0 | 0.0001929 | 5039.02197 | 5112.11230 |
| 5176.0 | 0.0001929 | 5035.91064 | 5106.14355 |
| 5239.0 | 0.0001929 | 5032.79639 | 5100.33789 |
| 5230.0 | 0.0001929 | 5029.67920 | 5094.68359 |
| 5280.0 | 0.0001877 | 5026.55957 | 5089.16846 |
| 5120.0 | 0.0001929 | 5023.43750 | 5083.78418 |
| 5017.0 | 0.0001984 | 5020.31250 | 5078.51904 |
| 5161.0 | 0.0001929 | 5017.18555 | 5073.36670 |
| 5226.0 | 0.0001929 | 5014.05566 | 5068.31738 |
| 5134.0 | 0.0001929 | 5010.92432 | 5063.36523 |
| 5195.0 | 0.0001929 | 5007.79004 | 5058.50342 |
| 5181.0 | 0.0001929 | 5004.65332 | 5053.72412 |
| 5113.0 | 0.0001929 | 5001.51416 | 5049.02393 |
| 4992.0 | 0.0001984 | 4998.37256 | 5044.39697 |
| 5132.0 | 0.0001929 | 4995.22949 | 5039.83887 |
| 4934.0 | 0.0002041 | 4992.08350 | 5035.34473 |
| 5210.0 | 0.0001929 | 4988.93604 | 5030.91162 |
| 4898.0 | 0.0002041 | 4985.78613 | 5026.53418 |
| 5002.0 | 0.0001984 | 4982.63428 | 5022.21045 |
| 4967.0 | 0.0002041 | 4979.48047 | 5017.93652 |
| 4982.0 | 0.0001984 | 4976.32422 | 5013.70947 |
| 4909.0 | 0.0002041 | 4973.16650 | 5009.52783 |
| 5037.0 | 0.0001984 | 4970.00635 | 5005.38623 |
| 4901.0 | 0.0002041 | 4966.84473 | 5001.28564 |
| 5138.0 | 0.0001929 | 4963.68066 | 4997.22070 |
| 5075.0 | 0.0001984 | 4960.51514 | 4993.19189 |
| 4970.0 | 0.0001984 | 4957.34863 | 4989.19678 |
| 5039.0 | 0.0001984 | 4954.17969 | 4985.23291 |
| 5018.0 | 0.0001984 | 4951.00879 | 4981.29883 |
| 5034.0 | 0.0001984 | 4947.83643 | 4977.39258 |
| 4965.0 | 0.0002041 | 4944.66211 | 4973.51318 |
| 4917.0 | 0.0002041 | 4941.48633 | 4969.65967 |
| 5049.0 | 0.0001984 | 4938.30908 | 4965.82910 |
| 4900.0 | 0.0002041 | 4935.13037 | 4962.02344 |
| 4924.0 | 0.0002041 | 4931.95068 | 4958.23926 |
| 4990.0 | 0.0001984 | 4928.76855 | 4954.47510 |
| 4965.0 | 0.0002041 | 4925.58545 | 4950.73145 |
| 5006.0 | 0.0001984 | 4922.40088 | 4950.41406 |

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| 4989.0 | 0.0001984 | 4919.21484 | 4946.73438 |
| 4900.0 | 0.0002041 | 4916.02734 | 4943.07080 |
| 4859.0 | 0.0002041 | 4912.83887 | 4939.42578 |
| 4835.0 | 0.0002041 | 4909.64893 | 4935.79541 |
| 4966.0 | 0.0002041 | 4906.45801 | 4932.18115 |
| 4845.0 | 0.0002041 | 4903.26611 | 4928.58252 |
| 5096.0 | 0.0001984 | 4900.07275 | 4924.99707 |
| 4766.0 | 0.0002100 | 4896.87793 | 4921.42432 |
| 4923.0 | 0.0002041 | 4893.68213 | 4917.86572 |
| 4831.0 | 0.0002041 | 4890.48535 | 4918.13330 |
| 4975.0 | 0.0001984 | 4887.28760 | 4914.62891 |
| 5027.0 | 0.0001984 | 4884.08887 | 4911.13574 |
| 4819.0 | 0.0002100 | 4880.88916 | 4907.65430 |
| 4880.0 | 0.0002041 | 4877.68896 | 4904.18604 |
| 4978.0 | 0.0001984 | 4874.48730 | 4900.72607 |
| 4915.0 | 0.0002041 | 4871.28516 | 4897.27686 |
| 4926.0 | 0.0002041 | 4868.08203 | 4893.83838 |
| 4717.0 | 0.0002100 | 4864.87793 | 4890.40918 |
| 4886.0 | 0.0002041 | 4861.67285 | 4886.98926 |
| 4804.0 | 0.0002100 | 4858.46729 | 4883.57861 |
| 4669.0 | 0.0002163 | 4855.26123 | 4880.17725 |
| 4827.0 | 0.0002100 | 4852.05518 | 4876.78516 |
| 4912.0 | 0.0002041 | 4848.84766 | 4873.40137 |
| 4913.0 | 0.0002041 | 4845.63916 | 4870.02539 |
| 4888.0 | 0.0002041 | 4842.43066 | 4866.65723 |
| 4777.0 | 0.0002100 | 4839.22168 | 4863.29688 |
| 4989.0 | 0.0001984 | 4836.01172 | 4859.94434 |
| 4628.0 | 0.0002163 | 4832.80176 | 4856.60010 |
| 4963.0 | 0.0002041 | 4829.59082 | 4853.26221 |
| 5010.0 | 0.0001984 | 4826.38037 | 4849.93262 |
| 4834.0 | 0.0002041 | 4823.16943 | 4846.61035 |
| 4930.0 | 0.0002041 | 4819.95752 | 4843.29395 |
| 4921.0 | 0.0002041 | 4816.74561 | 4839.98535 |
| 4847.0 | 0.0002041 | 4813.53320 | 4836.68262 |
| 4749.0 | 0.0002100 | 4810.32080 | 4833.38721 |
| 4746.0 | 0.0002100 | 4807.10791 | 4830.09814 |
| 4843.0 | 0.0002041 | 4803.89502 | 4826.81494 |
| 4741.0 | 0.0002100 | 4800.68164 | 4823.53906 |
| 4854.0 | 0.0002041 | 4797.46875 | 4820.27002 |
| 4834.0 | 0.0002041 | 4794.25586 | 4817.00732 |
| 4831.0 | 0.0002041 | 4791.04199 | 4813.74951 |
| 4676.0 | 0.0002163 | 4787.82861 | 4810.49902 |
| 4882.0 | 0.0002041 | 4784.61523 | 4807.25488 |
| 4731.0 | 0.0002100 | 4781.40186 | 4804.01709 |
| 4758.0 | 0.0002100 | 4778.18848 | 4800.78516 |
| 4857.0 | 0.0002041 | 4774.97510 | 4797.55908 |
| 4606.0 | 0.0002163 | 4771.76270 | 4794.33984 |
| 4769.0 | 0.0002100 | 4768.54932 | 4791.12549 |
| 4784.0 | 0.0002100 | 4765.33643 | 4787.91846 |
| 4866.0 | 0.0002041 | 4762.12402 | 4784.71729 |
| 4901.0 | 0.0002041 | 4758.91162 | 4781.52246 |
| 4941.0 | 0.0002041 | 4755.69922 | 4778.33350 |
| 4897.0 | 0.0002041 | 4752.48730 | 4779.32568 |
| 4776.0 | 0.0002100 | 4749.27588 | 4776.20215 |

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| 4780.0 | 0.0002100 | 4746.06445 | 4776.33105 |
| 4889.0 | 0.0002041 | 4742.85449 | 4773.26270 |
| 4703.0 | 0.0002100 | 4739.64404 | 4770.20166 |
| 4831.0 | 0.0002041 | 4736.43408 | 4767.14844 |
| 4528.0 | 0.0002228 | 4733.22461 | 4764.10400 |
| 4774.0 | 0.0002100 | 4730.01563 | 4761.06885 |
| 4870.0 | 0.0002041 | 4726.80713 | 4758.04150 |
| 4678.0 | 0.0002163 | 4723.59912 | 4755.02393 |
| 4679.0 | 0.0002163 | 4720.39160 | 4752.01465 |
| 4739.0 | 0.0002100 | 4717.18555 | 4749.01563 |
| 4760.0 | 0.0002100 | 4713.97949 | 4746.02539 |
| 4781.0 | 0.0002100 | 4710.77393 | 4743.04492 |
| 4839.0 | 0.0002041 | 4707.56885 | 4740.07422 |
| 4703.0 | 0.0002100 | 4704.36475 | 4737.11377 |
| 4661.0 | 0.0002163 | 4701.16162 | 4734.16455 |
| 4865.0 | 0.0002041 | 4697.95898 | 4731.22412 |
| 4720.0 | 0.0002100 | 4694.75732 | 4728.29590 |
| 4812.0 | 0.0002100 | 4691.55664 | 4725.37891 |
| 4753.0 | 0.0002100 | 4688.35693 | 4722.47314 |
| 4876.0 | 0.0002041 | 4685.15771 | 4719.57959 |
| 4632.0 | 0.0002163 | 4681.95947 | 4716.69629 |
| 4794.0 | 0.0002100 | 4678.76221 | 4713.82764 |
| 4616.0 | 0.0002163 | 4675.56543 | 4710.96973 |
| 4659.0 | 0.0002163 | 4672.37012 | 4708.12646 |
| 4665.0 | 0.0002163 | 4669.17578 | 4705.29688 |
| 4788.0 | 0.0002100 | 4665.98242 | 4702.48047 |
| 4698.0 | 0.0002100 | 4662.79053 | 4699.67871 |
| 4622.0 | 0.0002163 | 4659.59912 | 4696.89209 |
| 4655.0 | 0.0002163 | 4656.40918 | 4694.12061 |
| 4745.0 | 0.0002100 | 4653.22021 | 4691.36670 |
| 4662.0 | 0.0002163 | 4650.03271 | 4688.62842 |
| 4758.0 | 0.0002100 | 4646.84570 | 4685.90820 |
| 4710.0 | 0.0002100 | 4643.66016 | 4683.20459 |
| 4797.0 | 0.0002100 | 4640.47607 | 4680.52051 |
| 4821.0 | 0.0002100 | 4637.29395 | 4677.85693 |
| 4687.0 | 0.0002163 | 4634.11230 | 4675.21289 |
| 4676.0 | 0.0002163 | 4630.93213 | 4672.59082 |
| 4622.0 | 0.0002163 | 4627.75293 | 4669.99072 |
| 4658.0 | 0.0002163 | 4624.57520 | 4667.41260 |
| 4481.0 | 0.0002228 | 4621.39893 | 4664.85986 |
| 4663.0 | 0.0002163 | 4618.22412 | 4662.33301 |
| 4599.0 | 0.0002163 | 4615.05078 | 4659.83203 |
| 4701.0 | 0.0002100 | 4611.87939 | 4657.36035 |
| 4633.0 | 0.0002163 | 4608.70898 | 4654.91748 |
| 4577.0 | 0.0002163 | 4605.54004 | 4652.50635 |
| 4637.0 | 0.0002163 | 4602.37256 | 4650.12793 |
| 4558.0 | 0.0002163 | 4599.20654 | 4647.78467 |
| 4724.0 | 0.0002100 | 4596.04248 | 4645.47852 |
| 4634.0 | 0.0002163 | 4592.87988 | 4643.21094 |
| 4507.0 | 0.0002228 | 4589.71875 | 4640.98584 |
| 4582.0 | 0.0002163 | 4586.55908 | 4638.80469 |
| 4646.0 | 0.0002163 | 4583.40234 | 4636.67139 |
| 4781.0 | 0.0002100 | 4580.24609 | 4634.58789 |
| 4575.0 | 0.0002163 | 4577.09180 | 4632.55811 |

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| 4689.0 | 0.0002163 | 4573.93896 | 4630.58740 |
| 4676.0 | 0.0002163 | 4570.78809 | 4628.81104 |
| 4651.0 | 0.0002163 | 4567.63916 | 4626.97119 |
| 4698.0 | 0.0002100 | 4564.49170 | 4625.20410 |
| 4668.0 | 0.0002163 | 4561.34619 | 4623.51465 |
| 4628.0 | 0.0002163 | 4558.20361 | 4621.91064 |
| 4680.0 | 0.0002163 | 4555.06152 | 4620.39941 |
| 4759.0 | 0.0002100 | 4551.92188 | 4618.98926 |
| 4625.0 | 0.0002163 | 4548.78418 | 4617.69092 |
| 4726.0 | 0.0002100 | 4545.64795 | 4616.51465 |
| 4748.0 | 0.0002100 | 4542.51416 | 4615.47559 |
| 4691.0 | 0.0002163 | 4539.38184 | 4614.58789 |
| 4663.0 | 0.0002163 | 4536.25195 | 4613.87207 |
| 4708.0 | 0.0002100 | 4533.12451 | 4613.35205 |
| 4647.0 | 0.0002163 | 4529.99854 | 4613.05469 |
| 4657.0 | 0.0002163 | 4526.87451 | 4613.01855 |
| 4719.0 | 0.0002100 | 4523.75244 | 4613.28760 |
| 4716.0 | 0.0002100 | 4520.63281 | 4613.91992 |
| 4699.0 | 0.0002100 | 4517.51514 | 4614.98389 |
| 4692.0 | 0.0002163 | 4514.39941 | 4616.57031 |
| 4732.0 | 0.0002100 | 4511.28613 | 4618.78760 |
| 4817.0 | 0.0002100 | 4508.17480 | 4621.76416 |
| 4938.0 | 0.0002041 | 4505.06689 | 4625.66016 |
| 5049.0 | 0.0001984 | 4501.95996 | 4630.65576 |
| 4940.0 | 0.0002041 | 4498.85547 | 4636.96191 |
| 4797.0 | 0.0002100 | 4495.75342 | 4646.56201 |
| 4804.0 | 0.0002100 | 4492.65332 | 4656.21582 |
| 4775.0 | 0.0002100 | 4489.55566 | 4667.92041 |
| 4787.0 | 0.0002100 | 4486.46045 | 4681.93457 |
| 4799.0 | 0.0002100 | 4483.36719 | 4698.49658 |
| 4888.0 | 0.0002041 | 4480.27734 | 4717.81494 |
| 4830.0 | 0.0002100 | 4477.18896 | 4740.03467 |
| 4933.0 | 0.0002041 | 4474.10303 | 4765.21582 |
| 4823.0 | 0.0002100 | 4471.01953 | 4795.26270 |
| 4830.0 | 0.0002100 | 4467.93848 | 4825.98877 |
| 4917.0 | 0.0002041 | 4464.85986 | 4858.83789 |
| 4986.0 | 0.0001984 | 4461.78369 | 4892.95020 |
| 4893.0 | 0.0002041 | 4458.70996 | 4927.00781 |
| 5001.0 | 0.0001984 | 4455.63916 | 4959.18604 |
| 5006.0 | 0.0001984 | 4452.57080 | 4987.17334 |
| 5088.0 | 0.0001984 | 4449.50439 | 5008.41748 |
| 5037.0 | 0.0001984 | 4446.44092 | 5020.57178 |
| 5034.0 | 0.0001984 | 4443.37988 | 5022.07324 |
| 5033.0 | 0.0001984 | 4440.32129 | 5012.61670 |
| 4992.0 | 0.0001984 | 4437.26563 | 4993.24170 |
| 5044.0 | 0.0001984 | 4434.21240 | 4965.13818 |
| 4950.0 | 0.0002041 | 4431.16211 | 4932.61572 |
| 4981.0 | 0.0001984 | 4428.11475 | 4897.25537 |
| 4874.0 | 0.0002041 | 4425.06934 | 4861.12549 |
| 4961.0 | 0.0002041 | 4422.02686 | 4825.77881 |
| 4942.0 | 0.0002041 | 4418.98682 | 4792.28125 |
| 4726.0 | 0.0002100 | 4415.94971 | 4761.30078 |
| 4806.0 | 0.0002100 | 4412.91553 | 4731.21387 |
| 4848.0 | 0.0002041 | 4409.88379 | 4706.18359 |

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| 4843.0 | 0.0002041 | 4406.85498 | 4684.20215 |
| 4809.0 | 0.0002100 | 4403.82959 | 4665.17480 |
| 4856.0 | 0.0002041 | 4400.80615 | 4648.92871 |
| 4797.0 | 0.0002100 | 4397.78564 | 4635.25439 |
| 4716.0 | 0.0002100 | 4394.76807 | 4623.91211 |
| 4787.0 | 0.0002100 | 4391.75293 | 4616.66602 |
| 4883.0 | 0.0002041 | 4388.74121 | 4609.27588 |
| 4723.0 | 0.0002100 | 4385.73193 | 4603.51611 |
| 4808.0 | 0.0002100 | 4382.72607 | 4599.18896 |
| 4736.0 | 0.0002100 | 4379.72314 | 4596.12061 |
| 4848.0 | 0.0002041 | 4376.72314 | 4594.16846 |
| 4752.0 | 0.0002100 | 4373.72559 | 4593.21924 |
| 4759.0 | 0.0002100 | 4370.73096 | 4593.18311 |
| 4800.0 | 0.0002100 | 4367.73926 | 4597.31641 |
| 4691.0 | 0.0002163 | 4364.75098 | 4598.98242 |
| 4800.0 | 0.0002100 | 4361.76514 | 4601.43750 |
| 4783.0 | 0.0002100 | 4358.78271 | 4604.68115 |
| 4775.0 | 0.0002100 | 4355.80322 | 4608.72217 |
| 4741.0 | 0.0002100 | 4352.82715 | 4613.58984 |
| 4757.0 | 0.0002100 | 4349.85400 | 4619.32520 |
| 4834.0 | 0.0002041 | 4346.88330 | 4625.98047 |
| 4800.0 | 0.0002100 | 4343.91650 | 4633.62695 |
| 4739.0 | 0.0002100 | 4340.95215 | 4642.34766 |
| 4726.0 | 0.0002100 | 4337.99121 | 4652.24463 |
| 4779.0 | 0.0002100 | 4335.03320 | 4663.44141 |
| 4850.0 | 0.0002041 | 4332.07813 | 4676.08887 |
| 4850.0 | 0.0002041 | 4329.12695 | 4690.37158 |
| 4874.0 | 0.0002041 | 4326.17822 | 4706.52051 |
| 4827.0 | 0.0002100 | 4323.23291 | 4724.83643 |
| 4954.0 | 0.0002041 | 4320.29053 | 4745.70996 |
| 4892.0 | 0.0002041 | 4317.35156 | 4769.67334 |
| 4926.0 | 0.0002041 | 4314.41553 | 4797.44727 |
| 4955.0 | 0.0002041 | 4311.48291 | 4830.02686 |
| 5086.0 | 0.0001984 | 4308.55322 | 4868.77832 |
| 5135.0 | 0.0001929 | 4305.62793 | 4915.56641 |
| 5184.0 | 0.0001929 | 4302.70508 | 4972.88574 |
| 5208.0 | 0.0001929 | 4299.78516 | 5044.00439 |
| 5384.0 | 0.0001877 | 4296.86865 | 5133.08350 |
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| 6203.0 | 0.0001602 | 4282.33594 | 6054.78320 |
| 6410.0 | 0.0001562 | 4279.43994 | 6382.17139 |
| 6795.0 | 0.0001487 | 4276.54639 | 6770.90820 |
| 7184.0 | 0.0001384 | 4273.65674 | 7222.89307 |
| 7641.0 | 0.0001321 | 4270.77002 | 7736.01855 |
| 8054.0 | 0.0001235 | 4267.88672 | 8302.69629 |
| 8640.0 | 0.0001156 | 4265.00732 | 8908.08789 |
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| 9606.0 | 0.0001041 | 4259.25781 | 10128.43164 |
| 9906.0 | 0.0001000 | 4256.38867 | 10664.56348 |
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| 9933.0 | 0.0001000 | 4239.24365 | 10590.23926 |
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| 9239.0 | 0.0001085 | 4233.55713 | 9468.62402 |
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| 7530.0 | 0.0001321 | 4222.22461 | 7290.65381 |
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| 6818.0 | 0.0001452 | 4213.76221 | 6250.52393 |
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| 4885.0 | 0.0002041 | 4028.31274 | 4590.78125 |
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| 4794.0 | 0.0002100 | 4023.20728 | 4557.03760 |
| 4783.0 | 0.0002100 | 4020.66016 | 4543.05469 |
| 4766.0 | 0.0002100 | 4018.11719 | 4530.79932 |
| 4688.0 | 0.0002163 | 4015.57813 | 4520.16553 |
| 4711.0 | 0.0002100 | 4013.04272 | 4511.07178 |
| 4673.0 | 0.0002163 | 4010.51123 | 4503.46289 |
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| 4663.0 | 0.0002163 | 4002.94067 | 4500.29736 |
| 4718.0 | 0.0002100 | 4000.42480 | 4498.54688 |
| 4630.0 | 0.0002163 | 3997.91260 | 4498.27783 |
| 4638.0 | 0.0002163 | 3995.40454 | 4499.54639 |
| 4577.0 | 0.0002163 | 3992.90015 | 4519.54150 |
| 4748.0 | 0.0002100 | 3990.39966 | 4524.31445 |
| 4764.0 | 0.0002100 | 3987.90381 | 4530.95361 |
| 4744.0 | 0.0002100 | 3985.41113 | 4539.65332 |
| 4766.0 | 0.0002100 | 3982.92212 | 4550.66992 |
| 4701.0 | 0.0002100 | 3980.43726 | 4564.35742 |
| 4684.0 | 0.0002163 | 3977.95605 | 4581.20459 |
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| 4847.0 | 0.0002041 | 3973.00562 | 4627.39404 |
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| 5048.0 | 0.0001984 | 3689.37671 | 4829.58740 |
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| 5126.0 | 0.0001929 | 3677.38672 | 5087.96240 |
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| 5269.0 | 0.0001877 | 3673.41577 | 5227.01123 |
| 5579.0 | 0.0001778 | 3671.43579 | 5310.43848 |
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| 5553.0 | 0.0001778 | 3665.51318 | 5635.40771 |
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| 6282.0 | 0.0001602 | 3659.61963 | 6124.71973 |
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| 12070.0 | 0.0000826 | 3636.32764 | 12481.14844 |
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| 14797.0 | 0.0000672 | 3632.48877 | 14513.56543 |
| 16100.0 | 0.0000620 | 3630.57373 | 15575.17188 |
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| 23467.0 | 0.0000427 | 3621.04565 | 19889.11133 |
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| 18203.0 | 0.0000549 | 3605.95508 | 17365.08203 |
| 17318.0 | 0.0000574 | 3604.08203 | 16745.78516 |
| 16146.0 | 0.0000620 | 3602.21191 | 16147.96875 |
| 15441.0 | 0.0000650 | 3600.34473 | 15574.21875 |
| 14868.0 | 0.0000672 | 3598.48022 | 15029.20703 |
| 14353.0 | 0.0000694 | 3596.61890 | 14523.99121 |
| 13723.0 | 0.0000731 | 3594.76025 | 14076.57520 |
| 13357.0 | 0.0000743 | 3592.90503 | 13709.20898 |
| 13011.0 | 0.0000769 | 3591.05225 | 13444.56934 |
| 12926.0 | 0.0000769 | 3589.20239 | 13302.80176 |
| 13042.0 | 0.0000769 | 3587.35522 | 13300.15332 |
| 13109.0 | 0.0000769 | 3585.51099 | 13448.80078 |
| 13528.0 | 0.0000743 | 3583.66943 | 13757.15234 |
| 14237.0 | 0.0000706 | 3581.83105 | 14230.06250 |
| 14789.0 | 0.0000672 | 3579.99512 | 14868.68066 |
| 15892.0 | 0.0000630 | 3578.16235 | 15669.79492 |
| 16813.0 | 0.0000592 | 3576.33252 | 16624.70508 |
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| 19667.0 | 0.0000510 | 3572.68042 | 18924.08203 |
| 21295.0 | 0.0000469 | 3570.85864 | 20209.47852 |
| 22701.0 | 0.0000439 | 3569.03955 | 21529.62500 |
| 24218.0 | 0.0000411 | 3567.22339 | 22833.69727 |
| 25463.0 | 0.0000391 | 3565.40967 | 24070.40234 |
| 26228.0 | 0.0000381 | 3563.59912 | 25195.65234 |
| 27611.0 | 0.0000363 | 3561.79126 | 26178.06055 |
| 28229.0 | 0.0000354 | 3559.98584 | 26998.72852 |
| 28391.0 | 0.0000354 | 3558.18311 | 27644.85352 |
| 28748.0 | 0.0000346 | 3556.38330 | 28101.01563 |
| 28510.0 | 0.0000350 | 3554.58594 | 28344.07813 |
| 28287.0 | 0.0000354 | 3552.79150 | 28346.00000 |
| 27637.0 | 0.0000363 | 3550.99951 | 28084.48633 |
| 27245.0 | 0.0000367 | 3549.21045 | 27556.54492 |
| 26241.0 | 0.0000381 | 3547.42407 | 26787.43945 |
| 25726.0 | 0.0000391 | 3545.64014 | 25829.93164 |
| 24605.0 | 0.0000406 | 3543.85889 | 24754.39648 |
| 23772.0 | 0.0000422 | 3542.08032 | 23635.41602 |
| 22852.0 | 0.0000439 | 3540.30420 | 22540.52344 |
| 22195.0 | 0.0000450 | 3538.53101 | 21523.89844 |
| 21482.0 | 0.0000463 | 3536.76025 | 20624.51758 |
| 21123.0 | 0.0000476 | 3534.99194 | 19866.94922 |
| 20705.0 | 0.0000482 | 3533.22632 | 19263.06445 |
| 20359.0 | 0.0000489 | 3531.46362 | 18813.76758 |
| 20295.0 | 0.0000496 | 3529.70337 | 18510.44922 |
| 20298.0 | 0.0000496 | 3527.94531 | 18336.51367 |
| 20280.0 | 0.0000496 | 3526.18994 | 18269.40625 |
| 20178.0 | 0.0000496 | 3524.43726 | 18283.55469 |
| 20206.0 | 0.0000496 | 3522.68701 | 18354.15820 |
| 20040.0 | 0.0000496 | 3520.93921 | 18461.09180 |
| 20461.0 | 0.0000489 | 3519.19409 | 18591.66406 |
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| 20262.0 | 0.0000496 | 3515.71143 | 18910.21094 |

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| 20260.0 | 0.0000496 | 3508.77539 | 19778.96094 |
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| 19444.0 | 0.0000518 | 3501.87915 | 20111.33984 |
| 19247.0 | 0.0000518 | 3500.16113 | 19869.01953 |
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| 16690.0 | 0.0000601 | 3491.60669 | 16339.82715 |
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| 6495.0 | 0.0001524 | 3459.63135 | 5651.24365 |
| 6313.0 | 0.0001602 | 3457.97095 | 5503.90479 |
| 6112.0 | 0.0001644 | 3456.31274 | 5373.43994 |
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| 4701.0 | 0.0002100 | 3433.32397 | 4411.78809 |
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| 4242.0 | 0.0002367 | 3412.34009 | 4040.87549 |
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| 4094.0 | 0.0002441 | 3409.14160 | 4001.70947 |
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| 3974.0 | 0.0002520 | 3404.35864 | 3948.73413 |
| 4071.0 | 0.0002441 | 3402.76807 | 3932.43774 |
| 4010.0 | 0.0002520 | 3401.17944 | 3916.75781 |
| 3989.0 | 0.0002520 | 3399.59277 | 3901.65942 |
| 3912.0 | 0.0002520 | 3398.00806 | 3887.11108 |
| 4005.0 | 0.0002520 | 3396.42505 | 3873.08203 |
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| 3884.0 | 0.0002601 | 3390.11206 | 3821.63599 |
| 3876.0 | 0.0002601 | 3388.53857 | 3809.82397 |
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| 3757.0 | 0.0002687 | 3382.26221 | 3766.17505 |
| 3736.0 | 0.0002687 | 3380.69800 | 3756.07813 |
| 3731.0 | 0.0002687 | 3379.13525 | 3746.27759 |
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| 3733.0 | 0.0002687 | 3374.45776 | 3719.37402 |
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| 3702.0 | 0.0002687 | 3369.79590 | 3693.85010 |
| 3694.0 | 0.0002687 | 3368.24585 | 3685.78638 |
| 3688.0 | 0.0002687 | 3366.69727 | 3677.92798 |
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| 3753.0 | 0.0002687 | 3360.52002 | 3648.39526 |
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| 3608.0 | 0.0002778 | 3343.67139 | 3580.64990 |
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| 3276.0 | 0.0003078 | 3301.64624 | 3460.69409 |
| 3411.0 | 0.0002973 | 3300.16699 | 3457.27026 |
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| 3399.0 | 0.0002973 | 3297.21240 | 3450.56494 |
| 3362.0 | 0.0002973 | 3295.73730 | 3447.28052 |
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| 3396.0 | 0.0002973 | 3289.85083 | 3434.58350 |
| 3347.0 | 0.0002973 | 3288.38281 | 3431.51563 |
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| 3626.0 | 0.0002778 | 3205.38647 | 3660.87866 |
| 3628.0 | 0.0002778 | 3203.98975 | 3681.80054 |
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| 3177.0 | 0.0003189 | 3173.52100 | 3278.37256 |
| 3252.0 | 0.0003078 | 3172.14746 | 3273.76855 |
| 3249.0 | 0.0003078 | 3170.77515 | 3269.81641 |
| 3259.0 | 0.0003078 | 3169.40356 | 3266.36108 |
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| 3203.0 | 0.0003078 | 3166.66357 | 3261.99927 |
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| 3270.0 | 0.0003078 | 3163.92725 | 3257.08813 |
| 3194.0 | 0.0003078 | 3162.56079 | 3254.86816 |
| 3102.0 | 0.0003189 | 3161.19507 | 3252.77197 |
| 3165.0 | 0.0003189 | 3159.83032 | 3250.78174 |
| 3321.0 | 0.0002973 | 3158.46655 | 3248.88379 |
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| 3177.0 | 0.0003189 | 3155.74170 | 3245.33423 |
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| 3102.0 | 0.0003189 | 3150.30347 | 3239.41772 |
| 3200.0 | 0.0003078 | 3148.94604 | 3238.01123 |
| 3173.0 | 0.0003189 | 3147.58960 | 3236.66382 |
| 3111.0 | 0.0003189 | 3146.23413 | 3235.37476 |
| 3208.0 | 0.0003078 | 3144.87988 | 3234.14478 |
| 3117.0 | 0.0003189 | 3143.52612 | 3233.70508 |
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| 3121.0 | 0.0003189 | 3140.82178 | 3231.54395 |
| 3067.0 | 0.0003306 | 3139.47095 | 3230.55225 |
| 3155.0 | 0.0003189 | 3138.12109 | 3229.62183 |
| 3048.0 | 0.0003306 | 3136.77197 | 3228.75317 |
| 3183.0 | 0.0003189 | 3135.42383 | 3227.94971 |
| 3172.0 | 0.0003189 | 3134.07642 | 3227.21338 |
| 3076.0 | 0.0003306 | 3132.72998 | 3226.54688 |
| 3196.0 | 0.0003078 | 3131.38452 | 3226.68848 |
| 2963.0 | 0.0003429 | 3130.04004 | 3226.18066 |
| 3110.0 | 0.0003189 | 3128.69653 | 3227.21948 |
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| 3161.0 | 0.0003189 | 3126.01172 | 3226.67163 |
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| 3186.0 | 0.0003189 | 3119.31494 | 3227.35864 |
| 3121.0 | 0.0003189 | 3117.97827 | 3227.97485 |
| 3280.0 | 0.0003078 | 3116.64258 | 3228.80811 |
| 3188.0 | 0.0003189 | 3115.30762 | 3229.89307 |
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| 3094.0 | 0.0003189 | 3112.64038 | 3233.00317 |
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| 3200.0 | 0.0003078 | 3109.97632 | 3237.75732 |
| 3146.0 | 0.0003189 | 3108.64575 | 3240.93335 |
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| 3085.0 | 0.0003189 | 3105.98730 | 3249.33521 |
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| 3243.0 | 0.0003078 | 3103.33179 | 3261.15308 |
| 3267.0 | 0.0003078 | 3102.00537 | 3268.61133 |
| 3143.0 | 0.0003189 | 3100.67993 | 3277.24097 |
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| 3190.0 | 0.0003189 | 3098.03125 | 3298.36523 |
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| 3153.0 | 0.0003189 | 3095.38623 | 3325.00464 |
| 3217.0 | 0.0003078 | 3094.06494 | 3340.40454 |
| 3173.0 | 0.0003189 | 3092.74438 | 3357.10693 |
| 3334.0 | 0.0002973 | 3091.42456 | 3374.96826 |
| 3523.0 | 0.0002873 | 3090.10571 | 3393.76611 |
| 3380.0 | 0.0002973 | 3088.78784 | 3413.17725 |
| 3334.0 | 0.0002973 | 3087.47046 | 3432.76050 |
| 3445.0 | 0.0002873 | 3086.15430 | 3445.72266 |
| 3418.0 | 0.0002973 | 3084.83862 | 3463.84619 |
| 3430.0 | 0.0002873 | 3083.52417 | 3480.08179 |
| 3552.0 | 0.0002778 | 3082.21021 | 3493.62280 |
| 3479.0 | 0.0002873 | 3080.89722 | 3503.76733 |
| 3476.0 | 0.0002873 | 3079.58472 | 3503.93213 |
| 3538.0 | 0.0002873 | 3078.27368 | 3506.29834 |
| 3449.0 | 0.0002873 | 3076.96338 | 3504.99194 |
| 3518.0 | 0.0002873 | 3075.65332 | 3500.65332 |
| 3599.0 | 0.0002778 | 3074.34473 | 3494.16016 |
| 3451.0 | 0.0002873 | 3073.03638 | 3486.49121 |
| 3570.0 | 0.0002778 | 3071.72925 | 3478.61963 |
| 3542.0 | 0.0002778 | 3070.42261 | 3471.44800 |
| 3477.0 | 0.0002873 | 3069.11719 | 3465.77954 |
| 3525.0 | 0.0002873 | 3067.81250 | 3440.85693 |
| 3472.0 | 0.0002873 | 3066.50830 | 3440.40576 |
| 3560.0 | 0.0002778 | 3065.20532 | 3443.42139 |
| 3545.0 | 0.0002778 | 3063.90259 | 3450.48828 |
| 3508.0 | 0.0002873 | 3062.60132 | 3462.19897 |
| 3640.0 | 0.0002778 | 3061.30029 | 3479.16309 |
| 3679.0 | 0.0002687 | 3060.00073 | 3502.02124 |
| 3695.0 | 0.0002687 | 3058.70142 | 3531.44312 |
| 3785.0 | 0.0002601 | 3057.40332 | 3568.12280 |
| 3667.0 | 0.0002687 | 3056.10596 | 3612.75879 |
| 3853.0 | 0.0002601 | 3054.80908 | 3666.02637 |
| 3908.0 | 0.0002520 | 3053.51343 | 3728.53516 |
| 3972.0 | 0.0002520 | 3052.21802 | 3800.77197 |
| 3969.0 | 0.0002520 | 3050.92407 | 3883.03906 |
| 4106.0 | 0.0002441 | 3049.63037 | 3975.37573 |
| 4157.0 | 0.0002441 | 3048.33789 | 4077.48291 |
| 4176.0 | 0.0002367 | 3047.04590 | 4188.65332 |
| 4466.0 | 0.0002228 | 3045.75513 | 4307.71338 |
| 4540.0 | 0.0002228 | 3044.46509 | 4432.97656 |
| 4666.0 | 0.0002163 | 3043.17554 | 4562.22803 |
| 4930.0 | 0.0002041 | 3041.88721 | 4692.71045 |
| 4903.0 | 0.0002041 | 3040.59912 | 4821.12158 |

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| 4946.0 | 0.0002041 | 3039.31250 | 4943.65283 |
| 4988.0 | 0.0001984 | 3038.02612 | 5056.10449 |
| 5249.0 | 0.0001929 | 3036.74097 | 5154.23047 |
| 5014.0 | 0.0001984 | 3035.45679 | 5234.32178 |
| 5122.0 | 0.0001929 | 3034.17285 | 5293.94678 |
| 5398.0 | 0.0001877 | 3032.89014 | 5332.57861 |
| 5385.0 | 0.0001877 | 3031.60767 | 5351.72461 |
| 5228.0 | 0.0001929 | 3030.32666 | 5354.46729 |
| 5389.0 | 0.0001877 | 3029.04590 | 5344.56592 |
| 5335.0 | 0.0001877 | 3027.76636 | 5325.52881 |
| 5319.0 | 0.0001877 | 3026.48730 | 5299.93018 |
| 5456.0 | 0.0001826 | 3025.20947 | 5269.14600 |
| 5138.0 | 0.0001929 | 3023.93262 | 5233.43799 |
| 5388.0 | 0.0001877 | 3022.65576 | 5192.51855 |
| 5142.0 | 0.0001929 | 3021.38037 | 5144.99756 |
| 4971.0 | 0.0001984 | 3020.10547 | 5090.24854 |
| 4960.0 | 0.0002041 | 3018.83179 | 5027.75781 |
| 4874.0 | 0.0002041 | 3017.55811 | 4957.63281 |
| 4820.0 | 0.0002100 | 3016.28613 | 4880.77783 |
| 4752.0 | 0.0002100 | 3015.01440 | 4798.93896 |
| 4614.0 | 0.0002163 | 3013.74365 | 4714.55273 |
| 4538.0 | 0.0002228 | 3012.47412 | 4630.43164 |
| 4401.0 | 0.0002296 | 3011.20483 | 4549.38477 |
| 4314.0 | 0.0002296 | 3009.93677 | 4473.88281 |
| 4110.0 | 0.0002441 | 3008.66895 | 4405.83350 |
| 4132.0 | 0.0002441 | 3007.40259 | 4346.49316 |
| 4085.0 | 0.0002441 | 3006.13647 | 4296.44531 |
| 3935.0 | 0.0002520 | 3004.87183 | 4255.63818 |
| 3926.0 | 0.0002520 | 3003.60767 | 4223.41113 |
| 3782.0 | 0.0002687 | 3002.34424 | 4198.53125 |
| 3877.0 | 0.0002601 | 3001.08179 | 4179.22510 |
| 3609.0 | 0.0002778 | 2999.81982 | 4163.23877 |
| 3781.0 | 0.0002687 | 2998.55908 | 4147.96338 |
| 3767.0 | 0.0002687 | 2997.29883 | 4130.66797 |
| 3917.0 | 0.0002520 | 2996.03979 | 4108.81738 |
| 3757.0 | 0.0002687 | 2994.78101 | 4080.44995 |
| 3695.0 | 0.0002687 | 2993.52368 | 4044.48291 |
| 3733.0 | 0.0002687 | 2992.26709 | 4000.84766 |
| 3624.0 | 0.0002778 | 2991.01099 | 3950.39282 |
| 3672.0 | 0.0002687 | 2989.75610 | 3894.61792 |
| 3654.0 | 0.0002778 | 2988.50146 | 3835.32397 |
| 3565.0 | 0.0002778 | 2987.24829 | 3774.31812 |
| 3478.0 | 0.0002873 | 2985.99536 | 3713.20850 |
| 3439.0 | 0.0002873 | 2984.74390 | 3653.31567 |
| 3440.0 | 0.0002873 | 2983.49268 | 3595.65356 |
| 3376.0 | 0.0002973 | 2982.24292 | 3540.96118 |
| 3306.0 | 0.0003078 | 2980.99365 | 3489.73828 |
| 3294.0 | 0.0003078 | 2979.74512 | 3442.29688 |
| 3278.0 | 0.0003078 | 2978.49780 | 3398.79077 |
| 3260.0 | 0.0003078 | 2977.25073 | 3359.24976 |
| 3217.0 | 0.0003078 | 2976.00513 | 3323.60303 |
| 3175.0 | 0.0003189 | 2974.75977 | 3291.69873 |
| 3217.0 | 0.0003078 | 2973.51587 | 3263.32593 |
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| 3167.0 | 0.0003189 | 2971.02979 | 3216.12280 |
| 3090.0 | 0.0003189 | 2969.78857 | 3196.71338 |
| 3113.0 | 0.0003189 | 2968.54736 | 3179.69971 |
| 3062.0 | 0.0003306 | 2967.30762 | 3164.79175 |
| 3036.0 | 0.0003306 | 2966.06836 | 3151.71484 |
| 3041.0 | 0.0003306 | 2964.83032 | 3140.21802 |
| 3137.0 | 0.0003189 | 2963.59277 | 3130.07007 |
| 3083.0 | 0.0003189 | 2962.35645 | 3121.07349 |
| 2973.0 | 0.0003306 | 2961.12085 | 3113.05298 |
| 2991.0 | 0.0003306 | 2959.88599 | 3105.85986 |
| 2929.0 | 0.0003429 | 2958.65234 | 3099.36890 |
| 3005.0 | 0.0003306 | 2957.41895 | 3093.47485 |
| 3059.0 | 0.0003306 | 2956.18701 | 3088.09375 |
| 2946.0 | 0.0003429 | 2954.95532 | 3083.15356 |
| 3020.0 | 0.0003306 | 2953.72510 | 3078.59961 |
| 2976.0 | 0.0003306 | 2952.49536 | 3074.38379 |
| 2994.0 | 0.0003306 | 2951.26685 | 3070.47021 |
| 3057.0 | 0.0003306 | 2950.03931 | 3066.82666 |
| 3008.0 | 0.0003306 | 2948.81201 | 3063.42920 |
| 2980.0 | 0.0003306 | 2947.58618 | 3060.25903 |
| 2971.0 | 0.0003306 | 2946.36084 | 3057.29712 |
| 2934.0 | 0.0003429 | 2945.13672 | 3054.53076 |
| 2858.0 | 0.000356 | 2943.91309 | 3051.94775 |
| 2970.0 | 0.0003429 | 2942.69092 | 3049.53979 |
| 2967.0 | 0.0003429 | 2941.46948 | 3047.29736 |
| 2957.0 | 0.0003429 | 2940.24854 | 3045.21436 |
| 2923.0 | 0.0003429 | 2939.02881 | 3043.28491 |
| 2904.0 | 0.0003429 | 2937.80957 | 3041.50415 |
| 2951.0 | 0.0003429 | 2936.59180 | 3039.86938 |
| 2910.0 | 0.0003429 | 2935.37451 | 3038.37622 |
| 2936.0 | 0.0003429 | 2934.15845 | 3037.02441 |
| 2986.0 | 0.0003306 | 2932.94287 | 3035.81055 |
| 2912.0 | 0.0003429 | 2931.72876 | 3034.73657 |
| 2982.0 | 0.0003306 | 2930.51538 | 3033.80005 |
| 2989.0 | 0.0003306 | 2929.30273 | 3033.00391 |
| 2977.0 | 0.0003306 | 2928.09106 | 3032.34961 |
| 2918.0 | 0.0003429 | 2926.88013 | 3031.83813 |
| 2962.0 | 0.0003429 | 2925.67065 | 3031.47485 |
| 2975.0 | 0.0003306 | 2924.46143 | 3031.26123 |
| 2968.0 | 0.0003429 | 2923.25366 | 3031.20435 |
| 2975.0 | 0.0003306 | 2922.04639 | 3031.30957 |
| 2973.0 | 0.0003306 | 2920.84033 | 3031.58374 |
| 2919.0 | 0.0003429 | 2919.63550 | 3032.03394 |
| 2957.0 | 0.0003429 | 2918.43091 | 3032.66968 |
| 2972.0 | 0.0003306 | 2917.22778 | 3033.50269 |
| 3001.0 | 0.0003306 | 2916.02539 | 3034.54370 |
| 2968.0 | 0.0003429 | 2914.82422 | 3035.80737 |
| 2972.0 | 0.0003306 | 2913.62329 | 3037.30762 |
| 2962.0 | 0.0003429 | 2912.42407 | 3039.06641 |
| 3003.0 | 0.0003306 | 2911.22559 | 3041.41846 |
| 2955.0 | 0.0003429 | 2910.02759 | 3043.76001 |
| 2981.0 | 0.0003306 | 2908.83130 | 3046.43604 |
| 2978.0 | 0.0003306 | 2907.63525 | 3049.48169 |
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| 2984.0 | 0.0003306 | 2905.24658 | 3056.88281 |
| 3033.0 | 0.0003306 | 2904.05396 | 3061.37134 |
| 3049.0 | 0.0003306 | 2902.86182 | 3066.50781 |
| 3085.0 | 0.0003189 | 2901.67114 | 3072.42188 |
| 3014.0 | 0.0003306 | 2900.48145 | 3079.28345 |
| 3023.0 | 0.0003306 | 2899.29224 | 3087.87988 |
| 3009.0 | 0.0003306 | 2898.10449 | 3097.38477 |
| 2997.0 | 0.0003306 | 2896.91724 | 3109.24365 |
| 3107.0 | 0.0003189 | 2895.73145 | 3123.25854 |
| 3079.0 | 0.0003306 | 2894.54614 | 3139.92456 |
| 3184.0 | 0.0003189 | 2893.36230 | 3160.32251 |
| 3188.0 | 0.0003189 | 2892.17896 | 3185.38379 |
| 3301.0 | 0.0003078 | 2890.99707 | 3217.10181 |
| 3282.0 | 0.0003078 | 2889.81616 | 3254.97388 |
| 3315.0 | 0.0002973 | 2888.63599 | 3301.29736 |
| 3397.0 | 0.0002973 | 2887.45703 | 3357.74585 |
| 3452.0 | 0.0002873 | 2886.27881 | 3425.59326 |
| 3411.0 | 0.0002973 | 2885.10205 | 3506.51978 |
| 3508.0 | 0.0002873 | 2883.92578 | 3601.90747 |
| 3657.0 | 0.0002778 | 2882.75098 | 3712.86890 |
| 3816.0 | 0.0002601 | 2881.57715 | 3840.10034 |
| 3911.0 | 0.0002520 | 2880.40381 | 3983.72974 |
| 4032.0 | 0.0002441 | 2879.23218 | 4143.17236 |
| 4205.0 | 0.0002367 | 2878.06104 | 4316.96631 |
| 4410.0 | 0.0002296 | 2876.89136 | 4502.81299 |
| 4519.0 | 0.0002228 | 2875.72217 | 4696.69873 |
| 4765.0 | 0.0002100 | 2874.55444 | 4893.82715 |
| 4828.0 | 0.0002100 | 2873.38745 | 5087.79639 |
| 5048.0 | 0.0001984 | 2872.22192 | 5270.79590 |
| 5237.0 | 0.0001929 | 2871.05737 | 5433.84668 |
| 5278.0 | 0.0001877 | 2869.89355 | 5567.42627 |
| 5479.0 | 0.0001826 | 2868.73120 | 5662.52881 |
| 5490.0 | 0.0001826 | 2867.56934 | 5712.04980 |
| 5349.0 | 0.0001877 | 2866.40894 | 5712.13672 |
| 5324.0 | 0.0001877 | 2865.24927 | 5663.04932 |
| 5249.0 | 0.0001929 | 2864.09106 | 5569.16699 |
| 5158.0 | 0.0001929 | 2862.93359 | 5438.09326 |
| 4970.0 | 0.0001984 | 2861.77759 | 5279.23340 |
| 4833.0 | 0.0002041 | 2860.62256 | 5102.35791 |
| 4681.0 | 0.0002163 | 2859.46826 | 4916.54980 |
| 4530.0 | 0.0002228 | 2858.31543 | 4729.61768 |
| 4373.0 | 0.0002296 | 2857.16333 | 4547.91357 |
| 4143.0 | 0.0002441 | 2856.01270 | 4376.36572 |
| 4090.0 | 0.0002441 | 2854.86279 | 4218.60498 |
| 4024.0 | 0.0002520 | 2853.71436 | 4077.11353 |
| 3983.0 | 0.0002520 | 2852.56689 | 3953.38428 |
| 3825.0 | 0.0002601 | 2851.42017 | 3848.05786 |
| 3711.0 | 0.0002687 | 2850.27490 | 3761.08252 |
| 3688.0 | 0.0002687 | 2849.13037 | 3691.85010 |
| 3713.0 | 0.0002687 | 2847.98755 | 3639.33936 |
| 3529.0 | 0.0002873 | 2846.84521 | 3602.24561 |
| 3546.0 | 0.0002778 | 2845.70459 | 3579.09570 |
| 3445.0 | 0.0002873 | 2844.56445 | 3568.32715 |
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| 3461.0 | 0.0002873 | 2842.28857 | 3577.62646 |
| 3456.0 | 0.0002873 | 2841.15186 | 3594.59399 |
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| 3389.0 | 0.0002973 | 2838.88232 | 3645.69800 |
| 3422.0 | 0.0002973 | 2837.74951 | 3677.01196 |
| 3461.0 | 0.0002873 | 2836.61743 | 3710.44507 |
| 3428.0 | 0.0002873 | 2835.48682 | 3744.91724 |
| 3355.0 | 0.0002973 | 2834.35693 | 3779.57690 |
| 3455.0 | 0.0002873 | 2833.22876 | 3813.83667 |
| 3490.0 | 0.0002873 | 2832.10181 | 3847.33716 |
| 3527.0 | 0.0002873 | 2830.97534 | 3879.85938 |
| 3498.0 | 0.0002873 | 2829.85059 | 3911.20117 |
| 3637.0 | 0.0002778 | 2828.72656 | 3941.04492 |
| 3564.0 | 0.0002778 | 2827.60400 | 3968.87524 |
| 3616.0 | 0.0002778 | 2826.48242 | 3993.97241 |
| 3678.0 | 0.0002687 | 2825.36230 | 4015.48779 |
| 3720.0 | 0.0002687 | 2824.24341 | 4032.61401 |
| 3781.0 | 0.0002687 | 2823.12524 | 4044.80054 |
| 3753.0 | 0.0002687 | 2822.00879 | 4052.87036 |
| 3892.0 | 0.0002601 | 2820.89282 | 4055.48730 |
| 3849.0 | 0.0002601 | 2819.77881 | 4054.62378 |
| 3882.0 | 0.0002601 | 2818.66528 | 4051.78589 |
| 3896.0 | 0.0002601 | 2817.55347 | 4048.73145 |
| 3924.0 | 0.0002520 | 2816.44263 | 4047.24561 |
| 3900.0 | 0.0002601 | 2815.33325 | 4048.97583 |
| 3989.0 | 0.0002520 | 2814.22510 | 4055.31812 |
| 3939.0 | 0.0002520 | 2813.11768 | 4067.35547 |
| 4011.0 | 0.0002520 | 2812.01196 | 4085.84717 |
| 4105.0 | 0.0002441 | 2810.90698 | 4111.21631 |
| 3957.0 | 0.0002520 | 2809.80371 | 4143.55371 |
| 4059.0 | 0.0002441 | 2808.70117 | 4182.60742 |
| 4082.0 | 0.0002441 | 2807.60059 | 4227.76904 |
| 4164.0 | 0.0002367 | 2806.50049 | 4278.06836 |
| 4220.0 | 0.0002367 | 2805.40210 | 4332.17383 |
| 4333.0 | 0.0002296 | 2804.30493 | 4388.43652 |
| 4358.0 | 0.0002296 | 2803.20874 | 4444.98047 |
| 4357.0 | 0.0002296 | 2802.11426 | 4499.89746 |
| 4408.0 | 0.0002296 | 2801.02051 | 4551.34814 |
| 4396.0 | 0.0002296 | 2799.92822 | 4597.94824 |
| 4427.0 | 0.0002228 | 2798.83691 | 4638.86475 |
| 4456.0 | 0.0002228 | 2797.74731 | 4674.90283 |
| 4559.0 | 0.0002163 | 2796.65918 | 4704.55908 |
| 4588.0 | 0.0002163 | 2795.57153 | 4729.70361 |
| 4649.0 | 0.0002163 | 2794.48584 | 4751.42334 |
| 4709.0 | 0.0002100 | 2793.40088 | 4770.72070 |
| 4687.0 | 0.0002163 | 2792.31787 | 4788.25195 |
| 4702.0 | 0.0002100 | 2791.23535 | 4804.15039 |
| 4709.0 | 0.0002100 | 2790.15479 | 4817.91211 |
| 4623.0 | 0.0002163 | 2789.07495 | 4828.38428 |
| 4617.0 | 0.0002163 | 2787.99707 | 4833.82813 |
| 4755.0 | 0.0002100 | 2786.92017 | 4832.11084 |
| 4670.0 | 0.0002163 | 2785.84448 | 4820.96680 |
| 4756.0 | 0.0002100 | 2784.77026 | 4798.34277 |
| 4746.0 | 0.0002100 | 2783.69702 | 4762.75635 |

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| 4782.0 | 0.0002100 | 2782.62549 | 4713.57764 |
| 4677.0 | 0.0002163 | 2781.55493 | 4651.16064 |
| 4766.0 | 0.0002100 | 2780.48584 | 4576.80811 |
| 4684.0 | 0.0002163 | 2779.41797 | 4492.55273 |
| 4567.0 | 0.0002163 | 2778.35181 | 4400.86377 |
| 4696.0 | 0.0002100 | 2777.28687 | 4304.33447 |
| 4519.0 | 0.0002228 | 2776.22290 | 4205.42383 |
| 4486.0 | 0.0002228 | 2775.16064 | 4106.29443 |
| 4240.0 | 0.0002367 | 2774.09937 | 4008.73096 |
| 4171.0 | 0.0002367 | 2773.03979 | 3914.12915 |
| 4162.0 | 0.0002367 | 2771.98145 | 3823.52563 |
| 3989.0 | 0.0002520 | 2770.92456 | 3737.64795 |
| 3895.0 | 0.0002601 | 2769.86890 | 3656.96851 |
| 3981.0 | 0.0002520 | 2768.81445 | 3581.75464 |
| 3772.0 | 0.0002687 | 2767.76172 | 3512.11597 |
| 3686.0 | 0.0002687 | 2766.70996 | 3448.03101 |
| 3596.0 | 0.0002778 | 2765.65991 | 3389.38306 |
| 3599.0 | 0.0002778 | 2764.61084 | 3335.97778 |
| 3389.0 | 0.0002973 | 2763.56348 | 3287.56348 |
| 3450.0 | 0.0002873 | 2762.51733 | 3243.84717 |
| 3320.0 | 0.0002973 | 2761.47266 | 3204.50684 |
| 3332.0 | 0.0002973 | 2760.42969 | 3169.20142 |
| 3281.0 | 0.0003078 | 2759.38745 | 3137.58594 |
| 3224.0 | 0.0003078 | 2758.34717 | 3109.31226 |
| 3143.0 | 0.0003189 | 2757.30786 | 3084.04712 |
| 3148.0 | 0.0003189 | 2756.27026 | 3061.46655 |
| 3198.0 | 0.0003078 | 2755.23389 | 3041.26782 |
| 3107.0 | 0.0003189 | 2754.19897 | 3023.17139 |
| 3036.0 | 0.0003306 | 2753.16553 | 3006.91870 |
| 3055.0 | 0.0003306 | 2752.13354 | 2992.27979 |
| 2980.0 | 0.0003306 | 2751.10303 | 2979.04883 |
| 2976.0 | 0.0003306 | 2750.07373 | 2969.80249 |
| 2958.0 | 0.0003429 | 2749.04614 | 2958.87891 |
| 2991.0 | 0.0003306 | 2748.01953 | 2948.88281 |
| 2940.0 | 0.0003429 | 2746.99463 | 2939.69580 |
| 2950.0 | 0.0003429 | 2745.97119 | 2931.21729 |
| 2877.0 | 0.0003429 | 2744.94922 | 2923.35986 |
| 2891.0 | 0.0003429 | 2743.92871 | 2916.05127 |
| 2930.0 | 0.0003429 | 2742.90942 | 2909.22998 |
| 2904.0 | 0.0003429 | 2741.89185 | 2902.84351 |
| 2906.0 | 0.0003429 | 2740.87549 | 2896.84839 |
| 2888.0 | 0.0003429 | 2739.86084 | 2891.20728 |
| 2858.0 | 0.000356 | 2738.84741 | 2885.88843 |
| 2857.0 | 0.000356 | 2737.83569 | 2880.86548 |
| 2881.0 | 0.0003429 | 2736.82495 | 2876.11572 |
| 2808.0 | 0.000356 | 2735.81641 | 2871.62061 |
| 2825.0 | 0.000356 | 2734.80908 | 2867.36353 |
| 2809.0 | 0.000356 | 2733.80298 | 2863.32959 |
| 2789.0 | 0.000356 | 2732.79858 | 2859.50977 |
| 2809.0 | 0.000356 | 2731.79541 | 2855.89575 |
| 2832.0 | 0.000356 | 2730.79419 | 2852.48071 |
| 2825.0 | 0.000356 | 2729.79395 | 2849.26367 |
| 2773.0 | 0.000356 | 2728.79565 | 2846.24512 |
| 2680.0 | 0.000370 | 2727.79834 | 2843.43091 |

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| 2753.0 | 0.000370 | 2726.80298 | 2840.83618 |
| 2756.0 | 0.000370 | 2725.80933 | 2838.47656 |
| 2791.0 | 0.000356 | 2724.81665 | 2836.37988 |
| 2800.0 | 0.000356 | 2723.82568 | 2834.58325 |
| 2779.0 | 0.000356 | 2722.83618 | 2833.13379 |
| 2762.0 | 0.000356 | 2721.84839 | 2832.09277 |
| 2715.0 | 0.000370 | 2720.86182 | 2831.53052 |
| 2712.0 | 0.000370 | 2719.87695 | 2831.53320 |
| 2810.0 | 0.000356 | 2718.89380 | 2832.19385 |
| 2795.0 | 0.000356 | 2717.91187 | 2833.61279 |
| 2763.0 | 0.000356 | 2716.93188 | 2835.89502 |
| 2824.0 | 0.000356 | 2715.95288 | 2839.13623 |
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| 2829.0 | 0.000356 | 2714.00000 | 2848.81641 |
| 2824.0 | 0.000356 | 2713.02612 | 2855.34692 |
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| 2886.0 | 0.0003429 | 2711.08252 | 2872.30176 |
| 2873.0 | 0.0003429 | 2710.11328 | 2881.93701 |
| 2952.0 | 0.0003429 | 2709.14526 | 2892.29565 |
| 2995.0 | 0.0003306 | 2708.17920 | 2903.10034 |
| 3011.0 | 0.0003306 | 2707.21411 | 2916.47021 |
| 2988.0 | 0.0003306 | 2706.25122 | 2927.03369 |
| 2993.0 | 0.0003306 | 2705.28955 | 2936.71240 |
| 3018.0 | 0.0003306 | 2704.32959 | 2944.91992 |
| 3049.0 | 0.0003306 | 2703.37109 | 2951.05273 |
| 3069.0 | 0.0003306 | 2702.41431 | 2954.57227 |
| 3056.0 | 0.0003306 | 2701.45947 | 2955.09204 |
| 2952.0 | 0.0003429 | 2700.50562 | 2952.47168 |
| 3032.0 | 0.0003306 | 2699.55371 | 2946.84570 |
| 3016.0 | 0.0003306 | 2698.60303 | 2938.59253 |
| 3028.0 | 0.0003306 | 2697.65430 | 2928.25293 |
| 3022.0 | 0.0003306 | 2696.70703 | 2916.42578 |
| 2890.0 | 0.0003429 | 2695.76147 | 2904.93335 |
| 2874.0 | 0.0003429 | 2694.81763 | 2891.84644 |
| 2877.0 | 0.0003429 | 2693.87500 | 2878.83447 |
| 2865.0 | 0.0003429 | 2692.93457 | 2866.26221 |
| 2866.0 | 0.0003429 | 2691.99512 | 2854.40601 |
| 2796.0 | 0.000356 | 2691.05786 | 2843.46997 |
| 2751.0 | 0.000370 | 2690.12158 | 2833.58350 |
| 2828.0 | 0.000356 | 2689.18750 | 2824.81836 |
| 2821.0 | 0.000356 | 2688.25464 | 2817.18750 |
| 2795.0 | 0.000356 | 2687.32373 | 2810.66406 |
| 2778.0 | 0.000356 | 2686.39453 | 2805.18652 |
| 2826.0 | 0.000356 | 2685.46655 | 2800.66870 |
| 2792.0 | 0.000356 | 2684.54077 | 2797.01587 |
| 2795.0 | 0.000356 | 2683.61621 | 2794.12280 |
| 2769.0 | 0.000356 | 2682.69360 | 2791.88818 |
| 2712.0 | 0.000370 | 2681.77222 | 2790.22119 |
| 2724.0 | 0.000370 | 2680.85278 | 2789.03564 |
| 2768.0 | 0.000356 | 2679.93481 | 2788.25952 |
| 2739.0 | 0.000370 | 2679.01880 | 2787.83618 |
| 2729.0 | 0.000370 | 2678.10449 | 2787.71509 |
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| 2691.0 | 0.000370 | 2675.37085 | 2788.88135 |
| 2695.0 | 0.000370 | 2674.46313 | 2789.72632 |
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| 2804.0 | 0.000356 | 2672.65259 | 2792.08618 |
| 2803.0 | 0.000356 | 2671.75000 | 2793.62012 |
| 2836.0 | 0.000356 | 2670.84888 | 2795.41187 |
| 2645.0 | 0.000384 | 2669.94946 | 2797.48657 |
| 2732.0 | 0.000370 | 2669.05176 | 2799.87769 |
| 2710.0 | 0.000370 | 2668.15576 | 2802.62378 |
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| 2772.0 | 0.000356 | 2665.47778 | 2813.52246 |
| 2802.0 | 0.000356 | 2664.58887 | 2818.27148 |
| 2873.0 | 0.0003429 | 2663.70142 | 2823.72266 |
| 2711.0 | 0.000370 | 2662.81543 | 2829.98193 |
| 2880.0 | 0.0003429 | 2661.93164 | 2837.17041 |
| 2848.0 | 0.000356 | 2661.04907 | 2845.42017 |
| 2758.0 | 0.000356 | 2660.16870 | 2854.87964 |
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| 2984.0 | 0.0003306 | 2658.41260 | 2878.08252 |
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| 2855.0 | 0.000356 | 2656.66333 | 2908.19995 |
| 2933.0 | 0.0003429 | 2655.79150 | 2926.33813 |
| 2956.0 | 0.0003429 | 2654.92114 | 2946.80054 |
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| 3030.0 | 0.0003306 | 2652.32080 | 3022.19165 |
| 3095.0 | 0.0003189 | 2651.45752 | 3054.00220 |
| 3143.0 | 0.0003189 | 2650.59595 | 3089.09863 |
| 3147.0 | 0.0003189 | 2649.73633 | 3130.63525 |
| 3146.0 | 0.0003189 | 2648.87817 | 3172.65552 |
| 3319.0 | 0.0002973 | 2648.02197 | 3218.15308 |
| 3274.0 | 0.0003078 | 2647.16724 | 3267.02881 |
| 3321.0 | 0.0002973 | 2646.31470 | 3319.07739 |
| 3469.0 | 0.0002873 | 2645.46338 | 3373.99268 |
| 3553.0 | 0.0002778 | 2644.61450 | 3431.90747 |
| 3546.0 | 0.0002778 | 2643.76660 | 3491.44678 |
| 3524.0 | 0.0002873 | 2642.92114 | 3552.78784 |
| 3669.0 | 0.0002687 | 2642.07739 | 3615.74438 |
| 3606.0 | 0.0002778 | 2641.23486 | 3680.27515 |
| 3762.0 | 0.0002687 | 2640.39478 | 3746.44727 |
| 3810.0 | 0.0002601 | 2639.55591 | 3814.33716 |
| 3818.0 | 0.0002601 | 2638.71924 | 3883.88379 |
| 3808.0 | 0.0002601 | 2637.88403 | 3954.74829 |
| 3842.0 | 0.0002601 | 2637.05078 | 4026.19873 |
| 3958.0 | 0.0002520 | 2636.21899 | 4097.03906 |
| 3998.0 | 0.0002520 | 2635.38940 | 4165.62354 |
| 4017.0 | 0.0002520 | 2634.56177 | 4229.93799 |
| 4078.0 | 0.0002441 | 2633.73535 | 4287.75830 |
| 4216.0 | 0.0002367 | 2632.91113 | 4336.86670 |
| 4193.0 | 0.0002367 | 2632.08838 | 4375.25000 |
| 4248.0 | 0.0002367 | 2631.26782 | 4401.25293 |
| 4171.0 | 0.0002367 | 2630.44873 | 4413.65967 |
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| 4197.0 | 0.0002367 | 2628.81641 | 4395.20947 |
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| 4124.0 | 0.0002441 | 2626.38086 | 4264.25244 |
| 3958.0 | 0.0002520 | 2625.57300 | 4198.37012 |
| 3873.0 | 0.0002601 | 2624.76636 | 4124.98926 |
| 3939.0 | 0.0002520 | 2623.96216 | 4046.63354 |
| 3761.0 | 0.0002687 | 2623.15918 | 3965.82080 |
| 3825.0 | 0.0002601 | 2622.35840 | 3884.92676 |
| 3810.0 | 0.0002601 | 2621.55933 | 3806.09937 |
| 3681.0 | 0.0002687 | 2620.76196 | 3731.21875 |
| 3629.0 | 0.0002778 | 2619.96680 | 3661.88208 |
| 3531.0 | 0.0002873 | 2619.17285 | 3599.41382 |
| 3551.0 | 0.0002778 | 2618.38135 | 3544.88916 |
| 3552.0 | 0.0002778 | 2617.59106 | 3499.15308 |
| 3508.0 | 0.0002873 | 2616.80322 | 3462.84766 |
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| 3442.0 | 0.0002873 | 2615.23242 | 3420.18945 |
| 3433.0 | 0.0002873 | 2614.44995 | 3414.25317 |
| 3462.0 | 0.0002873 | 2613.66895 | 3418.58911 |
| 3269.0 | 0.0003078 | 2612.89014 | 3433.00659 |
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| 3330.0 | 0.0002973 | 2611.33765 | 3490.44214 |
| 3459.0 | 0.0002873 | 2610.56396 | 3532.16675 |
| 3504.0 | 0.0002873 | 2609.79248 | 3581.34521 |
| 3438.0 | 0.0002873 | 2609.02295 | 3636.75635 |
| 3297.0 | 0.0003078 | 2608.25464 | 3696.89502 |
| 3519.0 | 0.0002873 | 2607.48877 | 3759.94482 |
| 3575.0 | 0.0002778 | 2606.72437 | 3823.75146 |
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| 3719.0 | 0.0002687 | 2604.44287 | 3994.17261 |
| 3782.0 | 0.0002687 | 2603.68579 | 4035.25513 |
| 3700.0 | 0.0002687 | 2602.93091 | 4064.99707 |
| 3676.0 | 0.0002687 | 2602.17798 | 4082.49292 |
| 3625.0 | 0.0002778 | 2601.42651 | 4087.84717 |
| 3712.0 | 0.0002687 | 2600.67725 | 4082.05786 |
| 3803.0 | 0.0002601 | 2599.92944 | 4066.71240 |
| 3655.0 | 0.0002778 | 2599.18408 | 4043.61963 |
| 3854.0 | 0.0002601 | 2598.43994 | 4014.49146 |
| 3743.0 | 0.0002687 | 2597.69800 | 3980.75146 |
| 3682.0 | 0.0002687 | 2596.95776 | 3943.46729 |
| 3651.0 | 0.0002778 | 2596.21973 | 3903.39063 |
| 3645.0 | 0.0002778 | 2595.48340 | 3861.06641 |
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| 3600.0 | 0.0002778 | 2594.01611 | 3771.53955 |
| 3602.0 | 0.0002778 | 2593.28516 | 3725.41772 |
| 3554.0 | 0.0002778 | 2592.55640 | 3679.79053 |
| 3624.0 | 0.0002778 | 2591.82910 | 3634.46045 |
| 3651.0 | 0.0002778 | 2591.10400 | 3590.74097 |
| 3471.0 | 0.0002873 | 2590.38086 | 3549.41846 |
| 3416.0 | 0.0002973 | 2589.65918 | 3511.19141 |
| 3513.0 | 0.0002873 | 2588.93970 | 3476.66211 |
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| 3436.0 | 0.0002873 | 2587.50610 | 3420.66431 |
| 3460.0 | 0.0002873 | 2586.79199 | 3400.08398 |
| 3487.0 | 0.0002873 | 2586.08008 | 3385.08691 |
| 3457.0 | 0.0002873 | 2585.36963 | 3376.26831 |
| 3503.0 | 0.0002873 | 2584.66138 | 3374.37476 |
| 3414.0 | 0.0002973 | 2583.95508 | 3380.32764 |
| 3536.0 | 0.0002873 | 2583.25024 | 3395.21436 |
| 3348.0 | 0.0002973 | 2582.54785 | 3420.24927 |
| 3527.0 | 0.0002873 | 2581.84668 | 3456.69507 |
| 3498.0 | 0.0002873 | 2581.14795 | 3505.76563 |
| 3741.0 | 0.0002687 | 2580.45068 | 3568.50220 |
| 3787.0 | 0.0002601 | 2579.75562 | 3645.64282 |
| 3894.0 | 0.0002601 | 2579.06201 | 3737.50000 |
| 3961.0 | 0.0002520 | 2578.37085 | 3843.84033 |
| 4116.0 | 0.0002441 | 2577.68140 | 3963.77759 |
| 4168.0 | 0.0002367 | 2576.99341 | 4095.67798 |
| 4341.0 | 0.0002296 | 2576.30786 | 4237.09473 |
| 4607.0 | 0.0002163 | 2575.62378 | 4384.69873 |
| 4756.0 | 0.0002100 | 2574.94189 | 4534.23438 |
| 4957.0 | 0.0002041 | 2574.26147 | 4680.50537 |
| 5141.0 | 0.0001929 | 2573.58350 | 4817.42334 |
| 5322.0 | 0.0001877 | 2572.90698 | 4938.20361 |
| 5370.0 | 0.0001877 | 2572.23242 | 5035.81494 |
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| 5424.0 | 0.0001826 | 2570.88892 | 5136.85742 |
| 5345.0 | 0.0001877 | 2570.22021 | 5132.64697 |
| 5244.0 | 0.0001929 | 2569.55322 | 5091.52051 |
| 5160.0 | 0.0001929 | 2568.88818 | 5017.02832 |
| 4962.0 | 0.0002041 | 2568.22485 | 4914.46338 |
| 4850.0 | 0.0002041 | 2567.56372 | 4790.86377 |
| 4690.0 | 0.0002163 | 2566.90430 | 4653.40186 |
| 4562.0 | 0.0002163 | 2566.24658 | 4509.69727 |
| 4336.0 | 0.0002296 | 2565.59106 | 4364.17383 |
| 4153.0 | 0.0002441 | 2564.93701 | 4222.81152 |
| 4038.0 | 0.0002441 | 2564.28516 | 4089.86060 |
| 4019.0 | 0.0002520 | 2563.63501 | 3968.67993 |
| 3838.0 | 0.0002601 | 2562.98706 | 3861.78491 |
| 3853.0 | 0.0002601 | 2562.34058 | 3770.91309 |
| 3791.0 | 0.0002601 | 2561.69653 | 3697.09888 |
| 3680.0 | 0.0002687 | 2561.05396 | 3640.75220 |
| 3615.0 | 0.0002778 | 2560.41333 | 3601.76392 |
| 3621.0 | 0.0002778 | 2559.77466 | 3579.59497 |
| 3705.0 | 0.0002687 | 2559.13770 | 3573.37988 |
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| 3723.0 | 0.0002687 | 2557.86963 | 3604.22412 |
| 3717.0 | 0.0002687 | 2557.23853 | 3638.63159 |
| 3824.0 | 0.0002601 | 2556.60913 | 3684.16650 |
| 3869.0 | 0.0002601 | 2555.98169 | 3738.52979 |
| 3936.0 | 0.0002520 | 2555.35620 | 3800.51270 |
| 4014.0 | 0.0002520 | 2554.73242 | 3868.41772 |
| 4044.0 | 0.0002441 | 2554.11060 | 3940.41016 |
| 4070.0 | 0.0002441 | 2553.49072 | 4014.47266 |
| 4158.0 | 0.0002441 | 2552.87280 | 4088.36792 |
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| 4301.0 | 0.0002296 | 2551.64209 | 4225.58643 |
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| 4398.0 | 0.0002296 | 2550.41919 | 4330.48584 |
| 4298.0 | 0.0002296 | 2549.81055 | 4364.20313 |
| 4311.0 | 0.0002296 | 2549.20361 | 4382.63770 |
| 4324.0 | 0.0002296 | 2548.59888 | 4384.58301 |
| 4133.0 | 0.0002441 | 2547.99561 | 4369.86816 |
| 4163.0 | 0.0002367 | 2547.39453 | 4338.93945 |
| 4165.0 | 0.0002367 | 2546.79517 | 4293.45361 |
| 4055.0 | 0.0002441 | 2546.19775 | 4235.59766 |
| 4023.0 | 0.0002520 | 2545.60229 | 4167.93359 |
| 3920.0 | 0.0002520 | 2545.00854 | 4093.12500 |
| 3799.0 | 0.0002601 | 2544.41675 | 4013.71875 |
| 3861.0 | 0.0002601 | 2543.82666 | 3932.14258 |
| 3629.0 | 0.0002778 | 2543.23877 | 3850.05298 |
| 3584.0 | 0.0002778 | 2542.65234 | 3769.19409 |
| 3615.0 | 0.0002778 | 2542.06812 | 3690.83252 |
| 3500.0 | 0.0002873 | 2541.48560 | 3615.93604 |
| 3393.0 | 0.0002973 | 2540.90479 | 3545.22095 |
| 3347.0 | 0.0002973 | 2540.32617 | 3479.18555 |
| 3340.0 | 0.0002973 | 2539.74902 | 3418.15039 |
| 3296.0 | 0.0003078 | 2539.17407 | 3362.28149 |
| 3312.0 | 0.0002973 | 2538.60083 | 3311.61890 |
| 3243.0 | 0.0003078 | 2538.02954 | 3266.09863 |
| 3232.0 | 0.0003078 | 2537.45972 | 3225.56860 |
| 3225.0 | 0.0003078 | 2536.89233 | 3189.81104 |
| 3212.0 | 0.0003078 | 2536.32666 | 3158.55859 |
| 3111.0 | 0.0003189 | 2535.76245 | 3131.51538 |
| 3087.0 | 0.0003189 | 2535.20044 | 3108.37866 |
| 3133.0 | 0.0003189 | 2534.64014 | 3088.84644 |
| 3092.0 | 0.0003189 | 2534.08179 | 3072.64355 |
| 3096.0 | 0.0003189 | 2533.52515 | 3059.52319 |
| 3070.0 | 0.0003306 | 2532.97046 | 3049.27954 |
| 3062.0 | 0.0003306 | 2532.41748 | 3041.74780 |
| 3048.0 | 0.0003306 | 2531.86670 | 3036.96411 |
| 3050.0 | 0.0003306 | 2531.31738 | 3034.53394 |
| 2998.0 | 0.0003306 | 2530.77002 | 3034.57935 |
| 3034.0 | 0.0003306 | 2530.22461 | 3037.10669 |
| 3040.0 | 0.0003306 | 2529.68091 | 3042.17603 |
| 3005.0 | 0.0003306 | 2529.13916 | 3049.89917 |
| 3034.0 | 0.0003306 | 2528.59888 | 3060.44263 |
| 3026.0 | 0.0003306 | 2528.06079 | 3074.03979 |
| 3044.0 | 0.0003306 | 2527.52466 | 3090.99097 |
| 3055.0 | 0.0003306 | 2526.98999 | 3111.67358 |
| 3039.0 | 0.0003306 | 2526.45728 | 3136.75488 |
| 3084.0 | 0.0003189 | 2525.92627 | 3166.36816 |
| 3109.0 | 0.0003189 | 2525.39746 | 3201.36084 |
| 3136.0 | 0.0003189 | 2524.87012 | 3242.47192 |
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| 3217.0 | 0.0003078 | 2523.82104 | 3346.52417 |
| 3288.0 | 0.0003078 | 2523.29932 | 3411.45825 |
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| 3563.0 | 0.0002778 | 2521.23022 | 3784.76929 |
| 3661.0 | 0.0002687 | 2520.71777 | 3913.03149 |
| 3730.0 | 0.0002687 | 2520.20654 | 4057.93188 |
| 3917.0 | 0.0002520 | 2519.69751 | 4220.69922 |
| 4083.0 | 0.0002441 | 2519.19019 | 4402.41064 |
| 4268.0 | 0.0002367 | 2518.68457 | 4603.89648 |
| 4460.0 | 0.0002228 | 2518.18091 | 4825.64990 |
| 4749.0 | 0.0002100 | 2517.67896 | 5067.70605 |
| 4940.0 | 0.0002041 | 2517.17896 | 5329.51563 |
| 5143.0 | 0.0001929 | 2516.68042 | 5609.78906 |
| 5391.0 | 0.0001877 | 2516.18384 | 5906.35449 |
| 5761.0 | 0.0001731 | 2515.68896 | 6215.98926 |
| 6188.0 | 0.0001602 | 2515.19604 | 6534.30078 |
| 6602.0 | 0.0001524 | 2514.70483 | 6854.81543 |
| 6948.0 | 0.0001452 | 2514.21533 | 7172.29346 |
| 7226.0 | 0.0001384 | 2513.72778 | 7477.89648 |
| 7674.0 | 0.0001291 | 2513.24170 | 7762.79150 |
| 7792.0 | 0.0001291 | 2512.75781 | 8017.75830 |
| 8245.0 | 0.0001208 | 2512.27515 | 8233.73926 |
| 8477.0 | 0.0001181 | 2511.79468 | 8402.44727 |
| 8690.0 | 0.0001156 | 2511.31592 | 8516.98340 |
| 8780.0 | 0.0001132 | 2510.83887 | 8572.40527 |
| 8778.0 | 0.0001132 | 2510.36353 | 8566.23926 |
| 8787.0 | 0.0001132 | 2509.88989 | 8498.88086 |
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| 8510.0 | 0.0001181 | 2508.94800 | 8194.44434 |
| 8289.0 | 0.0001208 | 2508.47974 | 7973.56982 |
| 7995.0 | 0.0001262 | 2508.01318 | 7717.88232 |
| 7590.0 | 0.0001321 | 2507.54834 | 7436.54541 |
| 7216.0 | 0.0001384 | 2507.08521 | 7138.18701 |
| 6917.0 | 0.0001452 | 2506.62402 | 6830.55518 |
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| 6284.0 | 0.0001602 | 2505.70654 | 6213.73926 |
| 5966.0 | 0.0001687 | 2505.25049 | 5915.56006 |
| 5694.0 | 0.0001778 | 2504.79590 | 5630.24463 |
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| 5151.0 | 0.0001929 | 2503.89233 | 5111.73779 |
| 4963.0 | 0.0002041 | 2503.44312 | 4883.33203 |
| 4707.0 | 0.0002100 | 2502.99561 | 4677.38330 |
| 4612.0 | 0.0002163 | 2502.54956 | 4494.41406 |
| 4526.0 | 0.0002228 | 2502.10571 | 4334.33936 |
| 4379.0 | 0.0002296 | 2501.66309 | 4196.55713 |
| 4276.0 | 0.0002367 | 2501.22241 | 4080.46533 |
| 4146.0 | 0.0002441 | 2500.78345 | 3983.93872 |
| 4057.0 | 0.0002441 | 2500.34619 | 3905.83618 |
| 4084.0 | 0.0002441 | 2499.91040 | 3844.45679 |
| 4089.0 | 0.0002441 | 2499.47656 | 3798.00000 |
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| 3990.0 | 0.0002520 | 2498.61377 | 3742.36890 |
| 3977.0 | 0.0002520 | 2498.18506 | 3729.38843 |
| 3982.0 | 0.0002520 | 2497.75781 | 3723.74951 |
| 3931.0 | 0.0002520 | 2497.33228 | 3723.57300 |
| 3979.0 | 0.0002520 | 2496.90845 | 3727.04370 |
| 3875.0 | 0.0002601 | 2496.48633 | 3732.48242 |

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| 3914.0 | 0.0002520 | 2496.06567 | 3738.43921 |
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| 3881.0 | 0.0002601 | 2495.22998 | 3747.81738 |
| 3859.0 | 0.0002601 | 2494.81421 | 3750.28296 |
| 3905.0 | 0.0002601 | 2494.40039 | 3751.45142 |
| 3808.0 | 0.0002601 | 2493.98804 | 3751.82568 |
| 3732.0 | 0.0002687 | 2493.57764 | 3752.33496 |
| 3713.0 | 0.0002687 | 2493.16870 | 3753.99194 |
| 3729.0 | 0.0002687 | 2492.76147 | 3757.81958 |
| 3805.0 | 0.0002601 | 2492.35596 | 3764.74414 |
| 3647.0 | 0.0002778 | 2491.95166 | 3775.52100 |
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| 3850.0 | 0.0002601 | 2489.16919 | 3971.57056 |
| 3792.0 | 0.0002601 | 2488.77808 | 4010.17676 |
| 3903.0 | 0.0002601 | 2488.38843 | 4047.41650 |
| 3888.0 | 0.0002601 | 2488.00073 | 4081.17822 |
| 3971.0 | 0.0002520 | 2487.61426 | 4109.25293 |
| 3907.0 | 0.0002520 | 2487.22974 | 4129.17432 |
| 4007.0 | 0.0002520 | 2486.84644 | 4138.92236 |
| 4042.0 | 0.0002441 | 2486.46509 | 4136.84521 |
| 4103.0 | 0.0002441 | 2486.08496 | 4121.95898 |
| 4146.0 | 0.0002441 | 2485.70679 | 4094.07251 |
| 4135.0 | 0.0002441 | 2485.32983 | 4053.81006 |
| 4138.0 | 0.0002441 | 2484.95459 | 4002.48828 |
| 4039.0 | 0.0002441 | 2484.58105 | 3941.91919 |
| 4001.0 | 0.0002520 | 2484.20874 | 3875.20288 |
| 4031.0 | 0.0002520 | 2483.83813 | 3802.40063 |
| 4014.0 | 0.0002520 | 2483.46924 | 3727.01294 |
| 3780.0 | 0.0002687 | 2483.10181 | 3649.82764 |
| 3773.0 | 0.0002687 | 2482.73584 | 3572.82983 |
| 3726.0 | 0.0002687 | 2482.37134 | 3497.24170 |
| 3658.0 | 0.0002778 | 2482.00879 | 3424.03223 |
| 3564.0 | 0.0002778 | 2481.64722 | 3353.94189 |
| 3506.0 | 0.0002873 | 2481.28760 | 3287.52100 |
| 3375.0 | 0.0002973 | 2480.92920 | 3225.15356 |
| 3338.0 | 0.0002973 | 2480.57251 | 3167.08447 |
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| 3297.0 | 0.0003078 | 2479.86353 | 3064.26221 |
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| 3148.0 | 0.0003189 | 2479.16064 | 2979.01563 |
| 3127.0 | 0.0003189 | 2478.81128 | 2942.67139 |
| 2997.0 | 0.0003306 | 2478.46362 | 2910.25708 |
| 3082.0 | 0.0003189 | 2478.11743 | 2881.54712 |
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| 2923.0 | 0.0003429 | 2477.42944 | 2834.29639 |
| 2893.0 | 0.0003429 | 2477.08765 | 2815.29468 |
| 2881.0 | 0.0003429 | 2476.74731 | 2799.09692 |
| 2862.0 | 0.000356 | 2476.40845 | 2785.53247 |
| 2825.0 | 0.000356 | 2476.07104 | 2774.46558 |

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| 2794.0 | 0.000356 | 2475.73511 | 2765.80688 |
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| 2827.0 | 0.000356 | 2475.06763 | 2755.61865 |
| 2722.0 | 0.000370 | 2474.73608 | 2754.17896 |
| 2790.0 | 0.000356 | 2474.40601 | 2755.33228 |
| 2842.0 | 0.000356 | 2474.07715 | 2759.26733 |
| 2816.0 | 0.000356 | 2473.75000 | 2766.22388 |
| 2769.0 | 0.000356 | 2473.42407 | 2776.48682 |
| 2761.0 | 0.000356 | 2473.09961 | 2790.91772 |
| 2860.0 | 0.000356 | 2472.77661 | 2808.76440 |
| 2732.0 | 0.000370 | 2472.45508 | 2830.90259 |
| 2937.0 | 0.0003429 | 2472.13501 | 2857.64233 |
| 2864.0 | 0.0003429 | 2471.81616 | 2890.06592 |
| 2787.0 | 0.000356 | 2471.49878 | 2926.71558 |
| 2825.0 | 0.000356 | 2471.18286 | 2968.47461 |
| 2921.0 | 0.0003429 | 2470.86816 | 3015.27417 |
| 2946.0 | 0.0003429 | 2470.55493 | 3066.86206 |
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| 3028.0 | 0.0003306 | 2469.93286 | 3182.35742 |
| 3126.0 | 0.0003189 | 2469.62378 | 3244.63452 |
| 3092.0 | 0.0003189 | 2469.31592 | 3308.41113 |
| 3124.0 | 0.0003189 | 2469.00952 | 3372.22778 |
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| 3302.0 | 0.0003078 | 2468.40112 | 3493.02173 |
| 3342.0 | 0.0002973 | 2468.09888 | 3546.11255 |
| 3395.0 | 0.0002973 | 2467.79785 | 3591.59155 |
| 3551.0 | 0.0002778 | 2467.49829 | 3627.42090 |
| 3486.0 | 0.0002873 | 2467.19995 | 3651.72485 |
| 3468.0 | 0.0002873 | 2466.90308 | 3662.97241 |
| 3432.0 | 0.0002873 | 2466.60742 | 3660.19995 |
| 3437.0 | 0.0002873 | 2466.31323 | 3643.20752 |
| 3503.0 | 0.0002873 | 2466.02026 | 3612.65381 |
| 3378.0 | 0.0002973 | 2465.72852 | 3569.98755 |
| 3327.0 | 0.0002973 | 2465.43823 | 3517.25562 |
| 3277.0 | 0.0003078 | 2465.14917 | 3456.81519 |
| 3237.0 | 0.0003078 | 2464.86133 | 3391.07983 |
| 2947.0 | 0.0003429 | 2464.57495 | 3322.32568 |
| 3003.0 | 0.0003306 | 2464.28979 | 3252.56763 |
| 2978.0 | 0.0003306 | 2464.00586 | 3183.52246 |
| 2902.0 | 0.0003429 | 2463.72314 | 3116.87427 |
| 2849.0 | 0.000356 | 2463.44165 | 3053.14624 |
| 2869.0 | 0.0003429 | 2463.16162 | 2993.44507 |
| 2740.0 | 0.000370 | 2462.88281 | 2938.34058 |
| 2745.0 | 0.000370 | 2462.60522 | 2888.17651 |
| 2719.0 | 0.000370 | 2462.32886 | 2843.09741 |
| 2600.0 | 0.000384 | 2462.05371 | 2803.08496 |
| 2672.0 | 0.000370 | 2461.77979 | 2767.97974 |
| 2650.0 | 0.000384 | 2461.50732 | 2737.51563 |
| 2614.0 | 0.000384 | 2461.23584 | 2711.35327 |
| 2721.0 | 0.000370 | 2460.96558 | 2689.10132 |
| 2645.0 | 0.000384 | 2460.69678 | 2670.34546 |
| 2639.0 | 0.000384 | 2460.42896 | 2654.90259 |
| 2701.0 | 0.000370 | 2460.16235 | 2641.91040 |
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| 2595.0 | 0.000384 | 2459.63281 | 2622.50977 |
| 2609.0 | 0.000384 | 2459.37012 | 2615.47583 |
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| 2627.0 | 0.000384 | 2458.84766 | 2605.49854 |
| 2653.0 | 0.000370 | 2458.58813 | 2602.19727 |
| 2520.0 | 0.000400 | 2458.33008 | 2599.84839 |
| 2550.0 | 0.000400 | 2458.07275 | 2598.37402 |
| 2619.0 | 0.000384 | 2457.81689 | 2597.72729 |
| 2558.0 | 0.000384 | 2457.56201 | 2597.89038 |
| 2523.0 | 0.000400 | 2457.30859 | 2598.87378 |
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| 2589.0 | 0.000384 | 2456.05737 | 2617.69067 |
| 2584.0 | 0.000384 | 2455.81055 | 2624.71338 |
| 2598.0 | 0.000384 | 2455.56494 | 2632.99854 |
| 2586.0 | 0.000384 | 2455.32007 | 2642.61157 |
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| 2623.0 | 0.000384 | 2454.83423 | 2666.00317 |
| 2546.0 | 0.000400 | 2454.59277 | 2679.81445 |
| 2597.0 | 0.000384 | 2454.35254 | 2695.01294 |
| 2680.0 | 0.000370 | 2454.11328 | 2711.53271 |
| 2639.0 | 0.000384 | 2453.87524 | 2729.26782 |
| 2677.0 | 0.000370 | 2453.63818 | 2748.05518 |
| 2670.0 | 0.000370 | 2453.40210 | 2767.68262 |
| 2670.0 | 0.000370 | 2453.16724 | 2787.86475 |
| 2725.0 | 0.000370 | 2452.93335 | 2808.24463 |
| 2730.0 | 0.000370 | 2452.70044 | 2828.38403 |
| 2703.0 | 0.000370 | 2452.46851 | 2847.75977 |
| 2600.0 | 0.000384 | 2452.23779 | 2865.76514 |
| 2873.0 | 0.0003429 | 2452.00806 | 2881.73950 |
| 2814.0 | 0.000356 | 2451.77930 | 2894.99756 |
| 2708.0 | 0.000370 | 2451.55151 | 2904.89380 |
| 2868.0 | 0.0003429 | 2451.32471 | 2910.89526 |
| 2805.0 | 0.000356 | 2451.09912 | 2912.65552 |
| 2773.0 | 0.000356 | 2450.87427 | 2910.06836 |
| 2892.0 | 0.0003429 | 2450.65063 | 2903.28931 |
| 2902.0 | 0.0003429 | 2450.42798 | 2892.70190 |
| 2662.0 | 0.000370 | 2450.20605 | 2878.86719 |
| 2772.0 | 0.000356 | 2449.98511 | 2862.44629 |
| 2751.0 | 0.000370 | 2449.76538 | 2844.12427 |
| 2659.0 | 0.000370 | 2449.54663 | 2824.56079 |
| 2790.0 | 0.000356 | 2449.32861 | 2804.34888 |
| 2779.0 | 0.000356 | 2449.11182 | 2784.00049 |
| 2667.0 | 0.000370 | 2448.89551 | 2763.94336 |
| 2712.0 | 0.000370 | 2448.68066 | 2744.52515 |
| 2746.0 | 0.000370 | 2448.46631 | 2726.02295 |
| 2704.0 | 0.000370 | 2448.25317 | 2708.64673 |
| 2600.0 | 0.000384 | 2448.04077 | 2692.55200 |
| 2745.0 | 0.000370 | 2447.82959 | 2677.85034 |
| 2599.0 | 0.000384 | 2447.61914 | 2664.60669 |
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| 2641.0 | 0.000384 | 2446.99292 | 2633.81006 |
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| 2654.0 | 0.000370 | 2446.17065 | 2612.58618 |
| 2608.0 | 0.000384 | 2445.96729 | 2610.50049 |
| 2592.0 | 0.000384 | 2445.76465 | 2610.31860 |
| 2634.0 | 0.000384 | 2445.56299 | 2610.64355 |
| 2594.0 | 0.000384 | 2445.36206 | 2612.04980 |
| 2612.0 | 0.000384 | 2445.16211 | 2614.58154 |
| 2555.0 | 0.000384 | 2444.96289 | 2618.24463 |
| 2519.0 | 0.000400 | 2444.76440 | 2623.05420 |
| 2543.0 | 0.000400 | 2444.56689 | 2629.04614 |
| 2604.0 | 0.000384 | 2444.37012 | 2636.26147 |
| 2540.0 | 0.000400 | 2444.17432 | 2644.75537 |
| 2633.0 | 0.000384 | 2443.97925 | 2654.58911 |
| 2581.0 | 0.000384 | 2443.78491 | 2665.83374 |
| 2570.0 | 0.000384 | 2443.59131 | 2678.56152 |
| 2572.0 | 0.000384 | 2443.39844 | 2692.84351 |
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| 2739.0 | 0.000370 | 2443.01538 | 2726.34863 |
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| 2720.0 | 0.000370 | 2442.63525 | 2766.80688 |
| 2746.0 | 0.000370 | 2442.44629 | 2789.72876 |
| 2759.0 | 0.000356 | 2442.25806 | 2814.45093 |
| 2856.0 | 0.000356 | 2442.07080 | 2840.93872 |
| 2737.0 | 0.000370 | 2441.88403 | 2869.12305 |
| 2813.0 | 0.000356 | 2441.69800 | 2898.89038 |
| 2898.0 | 0.0003429 | 2441.51270 | 2930.07104 |
| 2897.0 | 0.0003429 | 2441.32813 | 2962.43140 |
| 2946.0 | 0.0003429 | 2441.14429 | 2995.66113 |
| 2893.0 | 0.0003429 | 2440.96118 | 3029.36475 |
| 2978.0 | 0.0003306 | 2440.77881 | 3063.05640 |
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| 3090.0 | 0.0003189 | 2440.41602 | 3128.02002 |
| 3177.0 | 0.0003189 | 2440.23560 | 3157.92896 |
| 3184.0 | 0.0003189 | 2440.05591 | 3185.17407 |
| 3086.0 | 0.0003189 | 2439.87695 | 3209.08374 |
| 3097.0 | 0.0003189 | 2439.69873 | 3227.94604 |
| 3299.0 | 0.0003078 | 2439.52100 | 3243.68140 |
| 3204.0 | 0.0003078 | 2439.34399 | 3254.93433 |
| 3338.0 | 0.0002973 | 2439.16748 | 3261.72827 |
| 3269.0 | 0.0003078 | 2438.99170 | 3264.26904 |
| 3281.0 | 0.0003078 | 2438.81665 | 3262.91479 |
| 3320.0 | 0.0002973 | 2438.64209 | 3259.95435 |
| 3252.0 | 0.0003078 | 2438.46802 | 3252.17822 |
| 3248.0 | 0.0003078 | 2438.29492 | 3241.88232 |
| 3261.0 | 0.0003078 | 2438.12207 | 3229.49609 |
| 3230.0 | 0.0003078 | 2437.95020 | 3215.40527 |
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| 3245.0 | 0.0003078 | 2437.60767 | 3183.46509 |
| 3212.0 | 0.0003078 | 2437.43750 | 3166.20068 |
| 3227.0 | 0.0003078 | 2437.26758 | 3148.39917 |
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| 3148.0 | 0.0003189 | 2436.42725 | 3056.56567 |
| 3102.0 | 0.0003189 | 2436.26099 | 3038.23999 |
| 3123.0 | 0.0003189 | 2436.09497 | 3020.24487 |
| 3010.0 | 0.0003306 | 2435.92969 | 3002.79883 |
| 3100.0 | 0.0003189 | 2435.76489 | 2986.14844 |
| 3080.0 | 0.0003306 | 2435.60059 | 2970.55542 |
| 3014.0 | 0.0003306 | 2435.43652 | 2956.26392 |
| 2960.0 | 0.0003429 | 2435.27344 | 2943.48364 |
| 3046.0 | 0.0003306 | 2435.11060 | 2932.36865 |
| 2957.0 | 0.0003429 | 2434.94824 | 2923.01001 |
| 3013.0 | 0.0003306 | 2434.78638 | 2915.43237 |
| 2973.0 | 0.0003306 | 2434.62500 | 2909.59277 |
| 3000.0 | 0.0003306 | 2434.46411 | 2905.38965 |
| 2965.0 | 0.0003429 | 2434.30371 | 2902.66357 |
| 3036.0 | 0.0003306 | 2434.14355 | 2901.21753 |
| 2924.0 | 0.0003429 | 2433.98413 | 2900.82324 |
| 2993.0 | 0.0003306 | 2433.82495 | 2901.24536 |
| 2953.0 | 0.0003429 | 2433.66626 | 2902.25977 |
| 2931.0 | 0.0003429 | 2433.50806 | 2903.67261 |
| 2966.0 | 0.0003429 | 2433.35034 | 2905.33301 |
| 2974.0 | 0.0003306 | 2433.19287 | 2907.13867 |
| 2894.0 | 0.0003429 | 2433.03613 | 2909.02930 |
| 2940.0 | 0.0003429 | 2432.87939 | 2910.97388 |
| 2977.0 | 0.0003306 | 2432.72339 | 2912.96094 |
| 2851.0 | 0.000356 | 2432.56763 | 2914.97339 |
| 2929.0 | 0.0003429 | 2432.41211 | 2916.98242 |
| 2959.0 | 0.0003429 | 2432.25708 | 2918.94946 |
| 2973.0 | 0.0003306 | 2432.10254 | 2920.83130 |
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| 3019.0 | 0.0003306 | 2431.18262 | 2933.25293 |
| 3006.0 | 0.0003306 | 2431.03027 | 2937.89600 |
| 3038.0 | 0.0003306 | 2430.87866 | 2944.61548 |
| 3026.0 | 0.0003306 | 2430.72705 | 2954.12329 |
| 3039.0 | 0.0003306 | 2430.57593 | 2967.16553 |
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| 3133.0 | 0.0003189 | 2429.97412 | 3069.57251 |
| 3140.0 | 0.0003189 | 2429.82446 | 3111.08569 |
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| 3227.0 | 0.0003078 | 2429.52588 | 3216.72852 |
| 3406.0 | 0.0002973 | 2429.37695 | 3281.35571 |
| 3422.0 | 0.0002973 | 2429.22852 | 3353.89941 |
| 3590.0 | 0.0002778 | 2429.08008 | 3434.14209 |
| 3570.0 | 0.0002778 | 2428.93188 | 3521.62720 |
| 3764.0 | 0.0002687 | 2428.78418 | 3615.64771 |
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| 4017.0 | 0.0002520 | 2428.48901 | 3819.03491 |
| 4207.0 | 0.0002367 | 2428.34180 | 3925.57544 |
| 4315.0 | 0.0002296 | 2428.19482 | 4033.03955 |
| 4486.0 | 0.0002228 | 2428.04810 | 4139.48730 |
| 4497.0 | 0.0002228 | 2427.90161 | 4243.05566 |
| 4543.0 | 0.0002228 | 2427.75513 | 4341.60205 |
| 4774.0 | 0.0002100 | 2427.60889 | 4433.57275 |
| 4627.0 | 0.0002163 | 2427.46313 | 4517.61182 |
| 4618.0 | 0.0002163 | 2427.31714 | 4592.74561 |
| 4569.0 | 0.0002163 | 2427.17163 | 4658.45410 |
| 4580.0 | 0.0002163 | 2427.02612 | 4714.71436 |
| 4512.0 | 0.0002228 | 2426.88086 | 4762.03564 |
| 4542.0 | 0.0002228 | 2426.73560 | 4801.43164 |
| 4534.0 | 0.0002228 | 2426.59058 | 4834.30859 |
| 4561.0 | 0.0002163 | 2426.44580 | 4862.25146 |
| 4573.0 | 0.0002163 | 2426.30103 | 4886.95068 |
| 4578.0 | 0.0002163 | 2426.15649 | 4909.26855 |
| 4410.0 | 0.0002296 | 2426.01221 | 4930.06348 |
| 4522.0 | 0.0002228 | 2425.86768 | 4949.38281 |
| 4683.0 | 0.0002163 | 2425.72363 | 4966.57715 |
| 4727.0 | 0.0002100 | 2425.57935 | 4980.31738 |
| 4762.0 | 0.0002100 | 2425.43530 | 4988.70068 |
| 4812.0 | 0.0002100 | 2425.29150 | 4989.44238 |
| 4927.0 | 0.0002041 | 2425.14771 | 4980.13525 |
| 4982.0 | 0.0001984 | 2425.00391 | 4958.87354 |
| 4942.0 | 0.0002041 | 2424.86035 | 4923.41211 |
| 4983.0 | 0.0001984 | 2424.71680 | 4873.13818 |
| 4920.0 | 0.0002041 | 2424.57324 | 4808.04297 |
| 4850.0 | 0.0002041 | 2424.42969 | 4728.98193 |
| 4807.0 | 0.0002100 | 2424.28638 | 4637.52051 |
| 4648.0 | 0.0002163 | 2424.14282 | 4535.71777 |
| 4469.0 | 0.0002228 | 2423.99951 | 4425.91357 |
| 4420.0 | 0.0002296 | 2423.85645 | 4310.51953 |
| 4273.0 | 0.0002367 | 2423.71313 | 4191.88770 |
| 4085.0 | 0.0002441 | 2423.56982 | 4072.20654 |
| 3916.0 | 0.0002520 | 2423.42676 | 3953.43091 |
| 3811.0 | 0.0002601 | 2423.28345 | 3837.24951 |
| 3682.0 | 0.0002687 | 2423.14038 | 3723.83521 |
| 3592.0 | 0.0002778 | 2422.99707 | 3616.78296 |
| 3429.0 | 0.0002873 | 2422.85400 | 3515.70850 |
| 3418.0 | 0.0002973 | 2422.71069 | 3421.22461 |
| 3213.0 | 0.0003078 | 2422.56763 | 3333.67285 |
| 3169.0 | 0.0003189 | 2422.42432 | 3253.23071 |
| 3071.0 | 0.0003306 | 2422.28101 | 3179.88843 |
| 3018.0 | 0.0003306 | 2422.13770 | 3111.80542 |
| 3008.0 | 0.0003306 | 2421.99438 | 3052.04883 |
| 2922.0 | 0.0003429 | 2421.85083 | 2998.53638 |
| 2926.0 | 0.0003429 | 2421.70752 | 2950.80566 |
| 2887.0 | 0.0003429 | 2421.56396 | 2908.34424 |
| 2833.0 | 0.000356 | 2421.42041 | 2870.61768 |
| 2776.0 | 0.000356 | 2421.27686 | 2837.09717 |
| 2697.0 | 0.000370 | 2421.13306 | 2807.27490 |
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| 2723.0 | 0.000370 | 2420.70166 | 2735.78857 |
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| 2674.0 | 0.000370 | 2420.41333 | 2699.29028 |
| 2655.0 | 0.000370 | 2420.26904 | 2683.62842 |
| 2572.0 | 0.000384 | 2420.12476 | 2669.42603 |
| 2608.0 | 0.000384 | 2419.98022 | 2656.52051 |
| 2569.0 | 0.000384 | 2419.83569 | 2644.77588 |
| 2586.0 | 0.000384 | 2419.69092 | 2634.07227 |
| 2506.0 | 0.000400 | 2419.54590 | 2624.30981 |
| 2502.0 | 0.000400 | 2419.40088 | 2615.40161 |
| 2559.0 | 0.000384 | 2419.25586 | 2607.27539 |
| 2586.0 | 0.000384 | 2419.11035 | 2599.86792 |
| 2570.0 | 0.000384 | 2418.96509 | 2593.12744 |
| 2495.0 | 0.000400 | 2418.81934 | 2587.25366 |
| 2485.0 | 0.000400 | 2418.67358 | 2581.72290 |
| 2553.0 | 0.000384 | 2418.52759 | 2576.74854 |
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| 2507.0 | 0.000400 | 2418.08838 | 2564.97266 |
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| 2510.0 | 0.000400 | 2417.79468 | 2560.44409 |
| 2574.0 | 0.000384 | 2417.64771 | 2558.60889 |
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| 2481.0 | 0.000400 | 2417.35278 | 2556.95215 |
| 2458.0 | 0.000400 | 2417.20483 | 2557.01904 |
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| 2507.0 | 0.000400 | 2416.90845 | 2559.62573 |
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| 2580.0 | 0.000384 | 2416.46216 | 2571.01709 |
| 2567.0 | 0.000384 | 2416.31299 | 2577.98511 |
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| 2537.0 | 0.000400 | 2416.01367 | 2597.65723 |
| 2586.0 | 0.000384 | 2415.86353 | 2610.86597 |
| 2558.0 | 0.000384 | 2415.71338 | 2626.66260 |
| 2554.0 | 0.000384 | 2415.56274 | 2645.28564 |
| 2593.0 | 0.000384 | 2415.41162 | 2666.95215 |
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| 2653.0 | 0.000370 | 2415.10913 | 2720.02100 |
| 2691.0 | 0.000370 | 2414.95728 | 2751.56128 |
| 2660.0 | 0.000370 | 2414.80518 | 2786.38452 |
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| 2745.0 | 0.000370 | 2414.50000 | 2865.62085 |
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| 2857.0 | 0.000356 | 2413.88574 | 3043.44946 |
| 2966.0 | 0.0003429 | 2413.73120 | 3088.45508 |
| 2931.0 | 0.0003429 | 2413.57666 | 3131.21265 |
| 2898.0 | 0.0003429 | 2413.42139 | 3170.32251 |
| 2997.0 | 0.0003306 | 2413.26587 | 3204.30005 |
| 3061.0 | 0.0003306 | 2413.11011 | 3231.66040 |
| 3024.0 | 0.0003306 | 2412.95386 | 3251.06567 |
| 3103.0 | 0.0003189 | 2412.79736 | 3261.46558 |

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| 3146.0 | 0.0003189 | 2412.64038 | 3262.63965 |
| 3098.0 | 0.0003189 | 2412.48315 | 3253.76807 |
| 3124.0 | 0.0003189 | 2412.32544 | 3235.71484 |
| 3095.0 | 0.0003189 | 2412.16724 | 3209.43066 |
| 3055.0 | 0.0003306 | 2412.00879 | 3176.20361 |
| 2962.0 | 0.0003429 | 2411.84985 | 3137.55981 |
| 2925.0 | 0.0003429 | 2411.69043 | 3094.84961 |
| 2978.0 | 0.0003306 | 2411.53076 | 3049.56396 |
| 2964.0 | 0.0003429 | 2411.37061 | 3003.34180 |
| 2833.0 | 0.000356 | 2411.20996 | 2956.61914 |
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| 2815.0 | 0.000356 | 2410.72559 | 2824.26563 |
| 2728.0 | 0.000370 | 2410.56323 | 2784.85254 |
| 2638.0 | 0.000384 | 2410.40063 | 2748.46606 |
| 2650.0 | 0.000384 | 2410.23755 | 2715.30981 |
| 2561.0 | 0.000384 | 2410.07373 | 2685.47095 |
| 2592.0 | 0.000384 | 2409.90967 | 2658.94043 |
| 2585.0 | 0.000384 | 2409.74512 | 2635.62280 |
| 2567.0 | 0.000384 | 2409.58008 | 2615.35962 |
| 2522.0 | 0.000400 | 2409.41455 | 2597.94238 |
| 2575.0 | 0.000384 | 2409.24854 | 2583.13257 |
| 2562.0 | 0.000384 | 2409.08203 | 2570.67114 |
| 2512.0 | 0.000400 | 2408.91504 | 2560.29883 |
| 2563.0 | 0.000384 | 2408.74756 | 2551.75513 |
| 2443.0 | 0.000416 | 2408.57959 | 2544.79785 |
| 2465.0 | 0.000400 | 2408.41113 | 2539.20068 |
| 2435.0 | 0.000416 | 2408.24219 | 2534.76099 |
| 2403.0 | 0.000416 | 2408.07275 | 2531.30005 |
| 2489.0 | 0.000400 | 2407.90283 | 2528.66553 |
| 2443.0 | 0.000416 | 2407.73218 | 2526.72339 |
| 2433.0 | 0.000416 | 2407.56128 | 2525.37012 |
| 2416.0 | 0.000416 | 2407.38965 | 2524.51465 |
| 2503.0 | 0.000400 | 2407.21753 | 2524.09033 |
| 2565.0 | 0.000384 | 2407.04492 | 2524.03882 |
| 2483.0 | 0.000400 | 2406.87183 | 2524.32178 |
| 2471.0 | 0.000400 | 2406.69800 | 2524.90698 |
| 2363.0 | 0.000416 | 2406.52393 | 2525.77637 |
| 2433.0 | 0.000416 | 2406.34912 | 2526.91504 |
| 2421.0 | 0.000416 | 2406.17383 | 2528.31836 |
| 2452.0 | 0.000400 | 2405.99780 | 2529.98584 |
| 2475.0 | 0.000400 | 2405.82129 | 2531.92236 |
| 2477.0 | 0.000400 | 2405.64429 | 2534.13794 |
| 2448.0 | 0.000416 | 2405.46655 | 2536.64697 |
| 2476.0 | 0.000400 | 2405.28857 | 2540.57031 |
| 2452.0 | 0.000400 | 2405.10962 | 2543.73730 |
| 2535.0 | 0.000400 | 2404.93042 | 2547.27295 |
| 2494.0 | 0.000400 | 2404.75024 | 2551.21460 |
| 2535.0 | 0.000400 | 2404.56982 | 2555.60815 |
| 2483.0 | 0.000400 | 2404.38867 | 2560.50439 |
| 2500.0 | 0.000400 | 2404.20703 | 2565.96924 |
| 2488.0 | 0.000400 | 2404.02466 | 2572.78735 |
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| 2580.0 | 0.000384 | 2403.65820 | 2587.36401 |

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| 2498.0 | 0.000400 | 2403.28906 | 2605.82422 |
| 2504.0 | 0.000400 | 2403.10376 | 2616.91895 |
| 2580.0 | 0.000384 | 2402.91772 | 2629.98682 |
| 2590.0 | 0.000384 | 2402.73096 | 2644.34570 |
| 2582.0 | 0.000384 | 2402.54370 | 2660.73169 |
| 2624.0 | 0.000384 | 2402.35571 | 2679.45996 |
| 2630.0 | 0.000384 | 2402.16699 | 2700.88745 |
| 2692.0 | 0.000370 | 2401.97778 | 2725.41113 |
| 2707.0 | 0.000370 | 2401.78784 | 2753.46411 |
| 2766.0 | 0.000356 | 2401.59741 | 2785.62012 |
| 2745.0 | 0.000370 | 2401.40625 | 2822.17114 |
| 2794.0 | 0.000356 | 2401.21436 | 2863.73584 |
| 2934.0 | 0.0003429 | 2401.02173 | 2910.83960 |
| 2910.0 | 0.0003429 | 2400.82837 | 2963.99243 |
| 2944.0 | 0.0003429 | 2400.63477 | 3023.68237 |
| 3112.0 | 0.0003189 | 2400.44019 | 3090.33691 |
| 3125.0 | 0.0003189 | 2400.24487 | 3164.30835 |
| 3266.0 | 0.0003078 | 2400.04883 | 3245.84424 |
| 3374.0 | 0.0002973 | 2399.85229 | 3335.05151 |
| 3463.0 | 0.0002873 | 2399.65503 | 3431.87134 |
| 3630.0 | 0.0002778 | 2399.45703 | 3536.04810 |
| 3690.0 | 0.0002687 | 2399.25830 | 3647.09790 |
| 3846.0 | 0.0002601 | 2399.05908 | 3764.28467 |
| 4165.0 | 0.0002367 | 2398.85889 | 3886.59424 |
| 4231.0 | 0.0002367 | 2398.65820 | 4012.80811 |
| 4452.0 | 0.0002228 | 2398.45679 | 4141.12939 |
| 4651.0 | 0.0002163 | 2398.25439 | 4269.69824 |
| 4838.0 | 0.0002041 | 2398.05151 | 4396.25098 |
| 5053.0 | 0.0001984 | 2397.84790 | 4518.20264 |
| 5286.0 | 0.0001877 | 2397.64355 | 4632.69043 |
| 5395.0 | 0.0001877 | 2397.43848 | 4736.64453 |
| 5459.0 | 0.0001826 | 2397.23267 | 4826.91748 |
| 5547.0 | 0.0001826 | 2397.02612 | 4900.49121 |
| 5558.0 | 0.0001778 | 2396.81885 | 4954.73584 |
| 5337.0 | 0.0001877 | 2396.61084 | 4987.70459 |
| 5168.0 | 0.0001929 | 2396.40210 | 4998.38965 |
| 5186.0 | 0.0001929 | 2396.19238 | 4986.85840 |
| 4981.0 | 0.0001984 | 2395.98218 | 4954.24268 |
| 4776.0 | 0.0002100 | 2395.77124 | 4902.56982 |
| 4564.0 | 0.0002163 | 2395.55957 | 4834.47119 |
| 4355.0 | 0.0002296 | 2395.34692 | 4752.87549 |
| 4209.0 | 0.0002367 | 2395.13379 | 4662.00928 |
| 4012.0 | 0.0002520 | 2394.91968 | 4562.06738 |
| 3830.0 | 0.0002601 | 2394.70483 | 4456.76709 |
| 3788.0 | 0.0002601 | 2394.48926 | 4348.20313 |
| 3711.0 | 0.0002687 | 2394.27295 | 4238.11035 |
| 3585.0 | 0.0002778 | 2394.05591 | 4127.91602 |
| 3546.0 | 0.0002778 | 2393.83789 | 4018.76196 |
| 3396.0 | 0.0002973 | 2393.61938 | 3911.56958 |
| 3327.0 | 0.0002973 | 2393.39990 | 3807.08496 |
| 3262.0 | 0.0003078 | 2393.17969 | 3705.92603 |
| 3187.0 | 0.0003189 | 2392.95874 | 3608.61865 |
| 3185.0 | 0.0003189 | 2392.73682 | 3515.61475 |

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| 3089.0 | 0.0003189 | 2392.51440 | 3427.29761 |
| 3070.0 | 0.0003306 | 2392.29102 | 3343.97852 |
| 2973.0 | 0.0003306 | 2392.06665 | 3265.87793 |
| 2950.0 | 0.0003429 | 2391.84180 | 3193.12036 |
| 2993.0 | 0.0003306 | 2391.61597 | 3125.73120 |
| 2830.0 | 0.000356 | 2391.38940 | 3063.64453 |
| 2802.0 | 0.000356 | 2391.16211 | 3006.71118 |
| 2731.0 | 0.000370 | 2390.93384 | 2954.72339 |
| 2726.0 | 0.000370 | 2390.70483 | 2907.42334 |
| 2773.0 | 0.000356 | 2390.47510 | 2864.52881 |
| 2681.0 | 0.000370 | 2390.24438 | 2825.74194 |
| 2651.0 | 0.000384 | 2390.01294 | 2790.75879 |
| 2508.0 | 0.000400 | 2389.78052 | 2759.28223 |
| 2469.0 | 0.000400 | 2389.54761 | 2731.02100 |
| 2649.0 | 0.000384 | 2389.31348 | 2705.69678 |
| 2595.0 | 0.000384 | 2389.07886 | 2683.04883 |
| 2598.0 | 0.000384 | 2388.84326 | 2662.82861 |
| 2484.0 | 0.000400 | 2388.60693 | 2644.80200 |
| 2547.0 | 0.000400 | 2388.36963 | 2628.75317 |
| 2496.0 | 0.000400 | 2388.13159 | 2614.48120 |
| 2499.0 | 0.000400 | 2387.89258 | 2601.80225 |
| 2508.0 | 0.000400 | 2387.65283 | 2590.54688 |
| 2458.0 | 0.000400 | 2387.41235 | 2580.55957 |
| 2486.0 | 0.000400 | 2387.17090 | 2571.70142 |
| 2352.0 | 0.000434 | 2386.92847 | 2563.84814 |
| 2461.0 | 0.000400 | 2386.68530 | 2556.88940 |
| 2450.0 | 0.000416 | 2386.44141 | 2550.72974 |
| 2442.0 | 0.000416 | 2386.19653 | 2545.28735 |
| 2460.0 | 0.000400 | 2385.95093 | 2540.49463 |
| 2437.0 | 0.000416 | 2385.70435 | 2536.29492 |
| 2490.0 | 0.000400 | 2385.45679 | 2532.64990 |
| 2408.0 | 0.000416 | 2385.20874 | 2529.52979 |
| 2525.0 | 0.000400 | 2384.95947 | 2526.92236 |
| 2425.0 | 0.000416 | 2384.70947 | 2524.82617 |
| 2437.0 | 0.000416 | 2384.45874 | 2524.70508 |
| 2513.0 | 0.000400 | 2384.20703 | 2523.69238 |
| 2486.0 | 0.000400 | 2383.95435 | 2523.27246 |
| 2377.0 | 0.000416 | 2383.70093 | 2523.49829 |
| 2323.0 | 0.000434 | 2383.44653 | 2524.43896 |
| 2485.0 | 0.000400 | 2383.19141 | 2526.17041 |
| 2416.0 | 0.000416 | 2382.93530 | 2528.78149 |
| 2420.0 | 0.000416 | 2382.67847 | 2532.36792 |
| 2446.0 | 0.000416 | 2382.42065 | 2537.02783 |
| 2398.0 | 0.000416 | 2382.16187 | 2542.85889 |
| 2498.0 | 0.000400 | 2381.90234 | 2549.95361 |
| 2515.0 | 0.000400 | 2381.64185 | 2558.39087 |
| 2452.0 | 0.000400 | 2381.38037 | 2568.23047 |
| 2407.0 | 0.000416 | 2381.11816 | 2579.51147 |
| 2357.0 | 0.000416 | 2380.85522 | 2592.23755 |
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| 2483.0 | 0.000400 | 2380.32617 | 2621.85327 |
| 2533.0 | 0.000400 | 2380.06055 | 2638.54541 |
| 2572.0 | 0.000384 | 2379.79370 | 2656.53149 |
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| 2496.0 | 0.000400 | 2378.71826 | 2732.63477 |
| 2634.0 | 0.000384 | 2378.44702 | 2751.18555 |
| 2572.0 | 0.000384 | 2378.17505 | 2768.69214 |
| 2605.0 | 0.000384 | 2377.90210 | 2784.69458 |
| 2534.0 | 0.000400 | 2377.62817 | 2798.75732 |
| 2686.0 | 0.000370 | 2377.35352 | 2810.52466 |
| 2621.0 | 0.000384 | 2377.07788 | 2819.76245 |
| 2665.0 | 0.000370 | 2376.80127 | 2826.41895 |
| 2647.0 | 0.000384 | 2376.52393 | 2830.63525 |
| 2623.0 | 0.000384 | 2376.24561 | 2832.74561 |
| 2667.0 | 0.000370 | 2375.96631 | 2833.24805 |
| 2702.0 | 0.000370 | 2375.68604 | 2832.74292 |
| 2672.0 | 0.000370 | 2375.40503 | 2831.87549 |
| 2673.0 | 0.000370 | 2375.12305 | 2831.29077 |
| 2748.0 | 0.000370 | 2374.84033 | 2831.58545 |
| 2599.0 | 0.000384 | 2374.55640 | 2833.28809 |
| 2785.0 | 0.000356 | 2374.27173 | 2836.83618 |
| 2723.0 | 0.000370 | 2373.98633 | 2842.56836 |
| 2733.0 | 0.000370 | 2373.69971 | 2850.71289 |
| 2730.0 | 0.000370 | 2373.41235 | 2862.85864 |
| 2802.0 | 0.000356 | 2373.12378 | 2876.07935 |
| 2702.0 | 0.000370 | 2372.83472 | 2891.71924 |
| 2885.0 | 0.0003429 | 2372.54443 | 2909.53784 |
| 3012.0 | 0.0003306 | 2372.25342 | 2929.18384 |
| 2988.0 | 0.0003306 | 2371.96143 | 2950.18652 |
| 3023.0 | 0.0003306 | 2371.66846 | 2971.96704 |
| 3083.0 | 0.0003189 | 2371.37476 | 2993.84814 |
| 3040.0 | 0.0003306 | 2371.07983 | 3015.07056 |
| 3124.0 | 0.0003189 | 2370.78442 | 3034.83472 |
| 2998.0 | 0.0003306 | 2370.48779 | 3052.33765 |
| 3020.0 | 0.0003306 | 2370.19043 | 3067.56323 |
| 3104.0 | 0.0003189 | 2369.89185 | 3078.49756 |
| 3270.0 | 0.0003078 | 2369.59253 | 3085.46973 |
| 3152.0 | 0.0003189 | 2369.29224 | 3088.37622 |
| 3127.0 | 0.0003189 | 2368.99121 | 3087.39990 |
| 3238.0 | 0.0003078 | 2368.68921 | 3082.99292 |
| 3100.0 | 0.0003189 | 2368.38623 | 3075.81787 |
| 3128.0 | 0.0003189 | 2368.08228 | 3066.66675 |
| 3131.0 | 0.0003189 | 2367.77734 | 3056.62451 |
| 3030.0 | 0.0003306 | 2367.47168 | 3046.00903 |
| 3152.0 | 0.0003189 | 2367.16504 | 3035.78125 |
| 2881.0 | 0.0003429 | 2366.85767 | 3026.53296 |
| 3050.0 | 0.0003306 | 2366.54907 | 3018.70825 |
| 2981.0 | 0.0003306 | 2366.23975 | 3012.59326 |
| 2861.0 | 0.000356 | 2365.92944 | 3008.31567 |
| 2904.0 | 0.0003429 | 2365.61816 | 3005.84570 |
| 2866.0 | 0.0003429 | 2365.30615 | 3004.99634 |
| 2919.0 | 0.0003429 | 2364.99292 | 3005.43823 |
| 2928.0 | 0.0003429 | 2364.67896 | 3006.70435 |
| 2782.0 | 0.000356 | 2364.36401 | 3008.20947 |
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| 2814.0 | 0.000356 | 2363.73169 | 3009.23486 |

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| 2730.0 | 0.000370 | 2363.41382 | 3007.23193 |
| 2740.0 | 0.000370 | 2363.09546 | 3002.70093 |
| 2771.0 | 0.000356 | 2362.77588 | 2995.15820 |
| 2716.0 | 0.000370 | 2362.45557 | 2984.34644 |
| 2763.0 | 0.000356 | 2362.13428 | 2970.25928 |
| 2770.0 | 0.000356 | 2361.81201 | 2953.24585 |
| 2672.0 | 0.000370 | 2361.48901 | 2933.51611 |
| 2743.0 | 0.000370 | 2361.16479 | 2911.75342 |
| 2760.0 | 0.000356 | 2360.84009 | 2888.59888 |
| 2748.0 | 0.000370 | 2360.51416 | 2865.20654 |
| 2701.0 | 0.000370 | 2360.18750 | 2841.23291 |
| 2692.0 | 0.000370 | 2359.85962 | 2817.76489 |
| 2718.0 | 0.000370 | 2359.53125 | 2795.35034 |
| 2680.0 | 0.000370 | 2359.20166 | 2774.47632 |
| 2750.0 | 0.000370 | 2358.87134 | 2755.97559 |
| 2569.0 | 0.000384 | 2358.54004 | 2739.42114 |
| 2548.0 | 0.000400 | 2358.20776 | 2725.53223 |
| 2694.0 | 0.000370 | 2357.87476 | 2714.58105 |
| 2623.0 | 0.000384 | 2357.54053 | 2705.68042 |
| 2547.0 | 0.000400 | 2357.20581 | 2701.24341 |
| 2654.0 | 0.000370 | 2356.86987 | 2700.30640 |
| 2692.0 | 0.000370 | 2356.53320 | 2702.99390 |
| 2637.0 | 0.000384 | 2356.19556 | 2709.80811 |
| 2743.0 | 0.000370 | 2355.85693 | 2720.04639 |
| 2533.0 | 0.000400 | 2355.51758 | 2734.57397 |
| 2641.0 | 0.000384 | 2355.17725 | 2752.67773 |
| 2661.0 | 0.000370 | 2354.83618 | 2774.80396 |
| 2744.0 | 0.000370 | 2354.49390 | 2801.00806 |
| 2669.0 | 0.000370 | 2354.15088 | 2831.32227 |
| 2847.0 | 0.000356 | 2353.80713 | 2865.76343 |
| 2825.0 | 0.000356 | 2353.46240 | 2904.35327 |
| 3006.0 | 0.0003306 | 2353.11646 | 2946.97290 |
| 2857.0 | 0.000356 | 2352.77002 | 2993.55957 |
| 2993.0 | 0.0003306 | 2352.42261 | 3043.98096 |
| 3060.0 | 0.0003306 | 2352.07422 | 3097.94238 |
| 3008.0 | 0.0003306 | 2351.72510 | 3155.15283 |
| 3170.0 | 0.0003189 | 2351.37476 | 3215.18994 |
| 3114.0 | 0.0003189 | 2351.02393 | 3277.53027 |
| 3235.0 | 0.0003078 | 2350.67188 | 3341.53296 |
| 3256.0 | 0.0003078 | 2350.31934 | 3406.45679 |
| 3415.0 | 0.0002973 | 2349.96582 | 3471.45508 |
| 3409.0 | 0.0002973 | 2349.61108 | 3535.61890 |
| 3381.0 | 0.0002973 | 2349.25586 | 3598.00513 |
| 3533.0 | 0.0002873 | 2348.89941 | 3657.68604 |
| 3586.0 | 0.0002778 | 2348.54224 | 3713.80420 |
| 3445.0 | 0.0002873 | 2348.18433 | 3765.63989 |
| 3655.0 | 0.0002778 | 2347.82544 | 3812.63525 |
| 3826.0 | 0.0002601 | 2347.46558 | 3854.42139 |
| 3740.0 | 0.0002687 | 2347.10498 | 3890.80273 |
| 3751.0 | 0.0002687 | 2346.74365 | 3921.71582 |
| 3897.0 | 0.0002601 | 2346.38135 | 3947.98535 |
| 3921.0 | 0.0002520 | 2346.01807 | 3968.05981 |
| 3866.0 | 0.0002601 | 2345.65405 | 3982.81616 |
| 4008.0 | 0.0002520 | 2345.28906 | 3992.34253 |

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| 4029.0 | 0.0002520 | 2344.92334 | 3996.76880 |
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| 4006.0 | 0.0002520 | 2343.82080 | 3981.70313 |
| 3956.0 | 0.0002520 | 2343.45166 | 3968.89624 |
| 3982.0 | 0.0002520 | 2343.08154 | 3953.12598 |
| 3951.0 | 0.0002520 | 2342.71069 | 3935.04883 |
| 3943.0 | 0.0002520 | 2342.33911 | 3915.28906 |
| 4036.0 | 0.0002441 | 2341.96655 | 3894.39478 |
| 3915.0 | 0.0002520 | 2341.59302 | 3872.81934 |
| 3889.0 | 0.0002601 | 2341.21899 | 3850.92798 |
| 3836.0 | 0.0002601 | 2340.84375 | 3829.01831 |
| 3880.0 | 0.0002601 | 2340.46802 | 3807.35645 |
| 3764.0 | 0.0002687 | 2340.09131 | 3786.21167 |
| 3846.0 | 0.0002601 | 2339.71362 | 3765.89014 |
| 3781.0 | 0.0002687 | 2339.33521 | 3746.75342 |
| 3752.0 | 0.0002687 | 2338.95605 | 3729.22949 |
| 3844.0 | 0.0002601 | 2338.57617 | 3713.81030 |
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| 3764.0 | 0.0002687 | 2337.81348 | 3690.23047 |
| 3762.0 | 0.0002687 | 2337.43115 | 3684.49756 |
| 3787.0 | 0.0002601 | 2337.04785 | 3683.13379 |
| 3736.0 | 0.0002687 | 2336.66382 | 3686.65161 |
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| 3671.0 | 0.0002687 | 2335.89307 | 3709.89355 |
| 3764.0 | 0.0002687 | 2335.50659 | 3730.07007 |
| 3827.0 | 0.0002601 | 2335.11938 | 3755.97656 |
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| 3792.0 | 0.0002601 | 2334.34229 | 3823.88037 |
| 3838.0 | 0.0002601 | 2333.95264 | 3864.78174 |
| 3830.0 | 0.0002601 | 2333.56226 | 3909.19995 |
| 3831.0 | 0.0002601 | 2333.17090 | 3956.00952 |
| 3933.0 | 0.0002520 | 2332.77881 | 4003.85669 |
| 3940.0 | 0.0002520 | 2332.38599 | 4051.18433 |
| 4009.0 | 0.0002520 | 2331.99243 | 4096.27148 |
| 4167.0 | 0.0002367 | 2331.59814 | 4137.29785 |
| 4086.0 | 0.0002441 | 2331.20288 | 4172.42236 |
| 4060.0 | 0.0002441 | 2330.80688 | 4199.89453 |
| 4178.0 | 0.0002367 | 2330.41040 | 4218.16748 |
| 4232.0 | 0.0002367 | 2330.01270 | 4226.01172 |
| 4269.0 | 0.0002367 | 2329.61475 | 4222.64063 |
| 4187.0 | 0.0002367 | 2329.21558 | 4207.77539 |
| 4173.0 | 0.0002367 | 2328.81592 | 4181.69141 |
| 4201.0 | 0.0002367 | 2328.41528 | 4145.20068 |
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| 4012.0 | 0.0002520 | 2326.80615 | 3924.94775 |
| 3926.0 | 0.0002520 | 2326.40161 | 3860.31738 |
| 3907.0 | 0.0002520 | 2325.99683 | 3795.42603 |
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| 3432.0 | 0.0002873 | 2323.96118 | 3513.84302 |
| 3430.0 | 0.0002873 | 2323.55200 | 3472.62036 |
| 3356.0 | 0.0002973 | 2323.14185 | 3437.68262 |
| 3341.0 | 0.0002973 | 2322.73120 | 3409.19971 |
| 3291.0 | 0.0003078 | 2322.31982 | 3387.16455 |
| 3211.0 | 0.0003078 | 2321.90771 | 3371.41675 |
| 3233.0 | 0.0003078 | 2321.49487 | 3361.63184 |
| 3177.0 | 0.0003189 | 2321.08154 | 3357.34937 |
| 3193.0 | 0.0003078 | 2320.66724 | 3357.95923 |
| 3222.0 | 0.0003078 | 2320.25244 | 3362.73096 |
| 3176.0 | 0.0003189 | 2319.83667 | 3370.80591 |
| 3264.0 | 0.0003078 | 2319.42041 | 3381.22266 |
| 3276.0 | 0.0003078 | 2319.00342 | 3392.92480 |
| 3264.0 | 0.0003078 | 2318.58594 | 3404.80054 |
| 3231.0 | 0.0003078 | 2318.16748 | 3415.70435 |
| 3321.0 | 0.0002973 | 2317.74878 | 3424.52783 |
| 3270.0 | 0.0003078 | 2317.32910 | 3430.23682 |
| 3405.0 | 0.0002973 | 2316.90869 | 3431.96021 |
| 3368.0 | 0.0002973 | 2316.48804 | 3429.03101 |
| 3381.0 | 0.0002973 | 2316.06616 | 3421.04224 |
| 3416.0 | 0.0002973 | 2315.64404 | 3407.86743 |
| 3450.0 | 0.0002873 | 2315.22119 | 3389.65234 |
| 3374.0 | 0.0002973 | 2314.79761 | 3366.78418 |
| 3427.0 | 0.0002873 | 2314.37329 | 3339.84058 |
| 3437.0 | 0.0002873 | 2313.94873 | 3309.51733 |
| 3384.0 | 0.0002973 | 2313.52319 | 3276.57520 |
| 3414.0 | 0.0002973 | 2313.09717 | 3241.78394 |
| 3360.0 | 0.0002973 | 2312.67041 | 3205.87695 |
| 3378.0 | 0.0002973 | 2312.24316 | 3169.52930 |
| 3368.0 | 0.0002973 | 2311.81519 | 3133.34131 |
| 3350.0 | 0.0002973 | 2311.38672 | 3097.83105 |
| 3192.0 | 0.0003078 | 2310.95752 | 3063.43945 |
| 3235.0 | 0.0003078 | 2310.52783 | 3030.53564 |
| 3168.0 | 0.0003189 | 2310.09741 | 2999.41724 |
| 3177.0 | 0.0003189 | 2309.66650 | 2970.32764 |
| 3097.0 | 0.0003189 | 2309.23511 | 2943.44971 |
| 3056.0 | 0.0003306 | 2308.80298 | 2918.92871 |
| 3055.0 | 0.0003306 | 2308.37012 | 2896.85938 |
| 3017.0 | 0.0003306 | 2307.93701 | 2877.30640 |
| 2995.0 | 0.0003306 | 2307.50293 | 2860.30103 |
| 2923.0 | 0.0003429 | 2307.06860 | 2845.84424 |
| 2924.0 | 0.0003429 | 2306.63379 | 2833.91699 |
| 2898.0 | 0.0003429 | 2306.19800 | 2824.47949 |
| 2931.0 | 0.0003429 | 2305.76196 | 2817.47363 |
| 2923.0 | 0.0003429 | 2305.32520 | 2812.82959 |
| 2860.0 | 0.000356 | 2304.88818 | 2810.46533 |
| 2850.0 | 0.000356 | 2304.45020 | 2810.29468 |
| 2896.0 | 0.0003429 | 2304.01196 | 2812.23071 |
| 2823.0 | 0.000356 | 2303.57300 | 2816.18726 |
| 2870.0 | 0.0003429 | 2303.13379 | 2822.09253 |
| 2833.0 | 0.000356 | 2302.69385 | 2829.88770 |
| 2855.0 | 0.000356 | 2302.25342 | 2839.54932 |
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| 2820.0 | 0.000356 | 2300.92896 | 2880.06567 |
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| 2902.0 | 0.0003429 | 2299.60010 | 2940.64014 |
| 2917.0 | 0.0003429 | 2299.15601 | 2966.30493 |
| 2965.0 | 0.0003429 | 2298.71143 | 2995.15576 |
| 3009.0 | 0.0003306 | 2298.26636 | 3027.46216 |
| 2955.0 | 0.0003429 | 2297.82104 | 3063.47949 |
| 2990.0 | 0.0003306 | 2297.37500 | 3103.43774 |
| 3078.0 | 0.0003306 | 2296.92871 | 3147.52075 |
| 3090.0 | 0.0003189 | 2296.48169 | 3195.87402 |
| 3180.0 | 0.0003189 | 2296.03442 | 3248.57666 |
| 3217.0 | 0.0003078 | 2295.58691 | 3305.65723 |
| 3241.0 | 0.0003078 | 2295.13843 | 3367.06226 |
| 3297.0 | 0.0003078 | 2294.68994 | 3432.67407 |
| 3372.0 | 0.0002973 | 2294.24072 | 3502.28784 |
| 3427.0 | 0.0002873 | 2293.79126 | 3575.62354 |
| 3577.0 | 0.0002778 | 2293.34106 | 3652.30908 |
| 3632.0 | 0.0002778 | 2292.89087 | 3731.87939 |
| 3728.0 | 0.0002687 | 2292.43970 | 3813.76904 |
| 3838.0 | 0.0002601 | 2291.98853 | 3897.29980 |
| 3927.0 | 0.0002520 | 2291.53687 | 3981.66919 |
| 3958.0 | 0.0002520 | 2291.08472 | 4065.93262 |
| 4099.0 | 0.0002441 | 2290.63232 | 4149.00439 |
| 4230.0 | 0.0002367 | 2290.17944 | 4229.66309 |
| 4307.0 | 0.0002296 | 2289.72607 | 4306.56934 |
| 4389.0 | 0.0002296 | 2289.27246 | 4378.31543 |
| 4509.0 | 0.0002228 | 2288.81836 | 4443.49121 |
| 4530.0 | 0.0002228 | 2288.36401 | 4500.76514 |
| 4587.0 | 0.0002163 | 2287.90918 | 4548.97021 |
| 4852.0 | 0.0002041 | 2287.45410 | 4587.18311 |
| 4752.0 | 0.0002100 | 2286.99829 | 4614.78369 |
| 4765.0 | 0.0002100 | 2286.54248 | 4631.48340 |
| 4688.0 | 0.0002163 | 2286.08618 | 4637.33008 |
| 4792.0 | 0.0002100 | 2285.62964 | 4632.68408 |
| 4884.0 | 0.0002041 | 2285.17261 | 4618.18506 |
| 4815.0 | 0.0002100 | 2284.71533 | 4594.71777 |
| 4794.0 | 0.0002100 | 2284.25757 | 4563.36670 |
| 4699.0 | 0.0002100 | 2283.79956 | 4525.39209 |
| 4645.0 | 0.0002163 | 2283.34155 | 4482.19482 |
| 4681.0 | 0.0002163 | 2282.88281 | 4435.28613 |
| 4628.0 | 0.0002163 | 2282.42383 | 4386.25879 |
| 4561.0 | 0.0002163 | 2281.96436 | 4336.75293 |
| 4465.0 | 0.0002228 | 2281.50513 | 4288.42627 |
| 4438.0 | 0.0002228 | 2281.04517 | 4242.90381 |
| 4254.0 | 0.0002367 | 2280.58496 | 4201.75684 |
| 4358.0 | 0.0002296 | 2280.12476 | 4166.45703 |
| 4322.0 | 0.0002296 | 2279.66382 | 4138.34668 |
| 4174.0 | 0.0002367 | 2279.20288 | 4118.62305 |
| 4302.0 | 0.0002296 | 2278.74170 | 4108.31299 |
| 4203.0 | 0.0002367 | 2278.28003 | 4108.26465 |
| 4275.0 | 0.0002367 | 2277.81836 | 4119.13037 |
| 4399.0 | 0.0002296 | 2277.35620 | 4141.36768 |
| 4316.0 | 0.0002296 | 2276.89404 | 4175.22656 |

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| 4424.0 | 0.0002228 | 2276.43140 | 4220.74219 |
| 4530.0 | 0.0002228 | 2275.96875 | 4277.77832 |
| 4566.0 | 0.0002163 | 2275.50562 | 4345.82373 |
| 4733.0 | 0.0002100 | 2275.04248 | 4424.25391 |
| 4894.0 | 0.0002041 | 2274.57886 | 4512.13916 |
| 4823.0 | 0.0002100 | 2274.11523 | 4608.26953 |
| 5053.0 | 0.0001984 | 2273.65137 | 4711.14990 |
| 5108.0 | 0.0001984 | 2273.18726 | 4819.00830 |
| 5288.0 | 0.0001877 | 2272.72290 | 4929.83008 |
| 5425.0 | 0.0001826 | 2272.25830 | 5041.41064 |
| 5491.0 | 0.0001826 | 2271.79370 | 5151.47070 |
| 5680.0 | 0.0001778 | 2271.32886 | 5257.77686 |
| 5738.0 | 0.0001731 | 2270.86377 | 5358.29443 |
| 5899.0 | 0.0001687 | 2270.39844 | 5451.30957 |
| 5891.0 | 0.0001687 | 2269.93311 | 5535.51514 |
| 6070.0 | 0.0001644 | 2269.46753 | 5610.00293 |
| 6075.0 | 0.0001644 | 2269.00171 | 5674.18848 |
| 6108.0 | 0.0001644 | 2268.53589 | 5727.67871 |
| 6061.0 | 0.0001644 | 2268.06982 | 5770.10254 |
| 6181.0 | 0.0001602 | 2267.60376 | 5800.98486 |
| 5983.0 | 0.0001687 | 2267.13745 | 5819.64160 |
| 6071.0 | 0.0001644 | 2266.67114 | 5825.18457 |
| 6033.0 | 0.0001644 | 2266.20435 | 5816.58252 |
| 5808.0 | 0.0001731 | 2265.73779 | 5792.79736 |
| 5732.0 | 0.0001731 | 2265.27100 | 5752.97852 |
| 5698.0 | 0.0001778 | 2264.80420 | 5696.71094 |
| 5440.0 | 0.0001826 | 2264.33716 | 5623.92871 |
| 5436.0 | 0.0001826 | 2263.86987 | 5535.39014 |
| 5192.0 | 0.0001929 | 2263.40283 | 5432.43896 |
| 5018.0 | 0.0001984 | 2262.93555 | 5316.98926 |
| 4839.0 | 0.0002041 | 2262.46826 | 5191.37012 |
| 4601.0 | 0.0002163 | 2262.00073 | 5058.14502 |
| 4366.0 | 0.0002296 | 2261.53345 | 4919.92383 |
| 4322.0 | 0.0002296 | 2261.06592 | 4779.21875 |
| 4154.0 | 0.0002441 | 2260.59814 | 4638.30273 |
| 4099.0 | 0.0002441 | 2260.13062 | 4499.16748 |
| 3918.0 | 0.0002520 | 2259.66284 | 4363.47168 |
| 3767.0 | 0.0002687 | 2259.19531 | 4232.55420 |
| 3666.0 | 0.0002687 | 2258.72729 | 4107.44043 |
| 3653.0 | 0.0002778 | 2258.25977 | 3988.86011 |
| 3600.0 | 0.0002778 | 2257.79175 | 3877.52954 |
| 3512.0 | 0.0002873 | 2257.32397 | 3773.18994 |
| 3442.0 | 0.0002873 | 2256.85645 | 3676.10449 |
| 3330.0 | 0.0002973 | 2256.38843 | 3586.10889 |
| 3324.0 | 0.0002973 | 2255.92065 | 3502.88428 |
| 3294.0 | 0.0003078 | 2255.45264 | 3425.99487 |
| 3236.0 | 0.0003078 | 2254.98511 | 3354.92163 |
| 3187.0 | 0.0003189 | 2254.51709 | 3289.11182 |
| 3103.0 | 0.0003189 | 2254.04956 | 3228.01074 |
| 3088.0 | 0.0003189 | 2253.58179 | 3171.10596 |
| 3144.0 | 0.0003189 | 2253.11401 | 3117.94702 |
| 3043.0 | 0.0003306 | 2252.64648 | 3068.16113 |
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| 3040.0 | 0.0003306 | 2251.24390 | 2936.41699 |
| 3015.0 | 0.0003306 | 2250.77661 | 2897.77661 |
| 2890.0 | 0.0003429 | 2250.30933 | 2861.56201 |
| 2766.0 | 0.000356 | 2249.84204 | 2828.36987 |
| 2779.0 | 0.000356 | 2249.37500 | 2796.71704 |
| 2743.0 | 0.000370 | 2248.90796 | 2767.20483 |
| 2734.0 | 0.000370 | 2248.44116 | 2739.75049 |
| 2714.0 | 0.000370 | 2247.97412 | 2714.27051 |
| 2702.0 | 0.000370 | 2247.50757 | 2690.68823 |
| 2660.0 | 0.000370 | 2247.04102 | 2668.93213 |
| 2666.0 | 0.000370 | 2246.57446 | 2648.93481 |
| 2588.0 | 0.000384 | 2246.10815 | 2630.40454 |
| 2502.0 | 0.000400 | 2245.64209 | 2613.86157 |
| 2564.0 | 0.000384 | 2245.17603 | 2598.79883 |
| 2552.0 | 0.000384 | 2244.70996 | 2585.27905 |
| 2502.0 | 0.000400 | 2244.24438 | 2573.26367 |
| 2540.0 | 0.000400 | 2243.77856 | 2562.71069 |
| 2578.0 | 0.000384 | 2243.31323 | 2553.59277 |
| 2532.0 | 0.000400 | 2242.84814 | 2545.88013 |
| 2532.0 | 0.000400 | 2242.38306 | 2539.55493 |
| 2517.0 | 0.000400 | 2241.91821 | 2534.60278 |
| 2522.0 | 0.000400 | 2241.45361 | 2531.02002 |
| 2561.0 | 0.000384 | 2240.98901 | 2528.80981 |
| 2592.0 | 0.000384 | 2240.52466 | 2526.84741 |
| 2508.0 | 0.000400 | 2240.06079 | 2527.43970 |
| 2520.0 | 0.000400 | 2239.59692 | 2529.47607 |
| 2548.0 | 0.000400 | 2239.13330 | 2532.99902 |
| 2557.0 | 0.000384 | 2238.66968 | 2538.06226 |
| 2593.0 | 0.000384 | 2238.20679 | 2544.73242 |
| 2661.0 | 0.000370 | 2237.74390 | 2553.07275 |
| 2547.0 | 0.000400 | 2237.28125 | 2563.16309 |
| 2586.0 | 0.000384 | 2236.81885 | 2575.08130 |
| 2545.0 | 0.000400 | 2236.35669 | 2588.90503 |
| 2594.0 | 0.000384 | 2235.89478 | 2604.71021 |
| 2694.0 | 0.000370 | 2235.43311 | 2622.56470 |
| 2726.0 | 0.000370 | 2234.97192 | 2642.52319 |
| 2600.0 | 0.000384 | 2234.51074 | 2664.62842 |
| 2577.0 | 0.000384 | 2234.05005 | 2688.89307 |
| 2723.0 | 0.000370 | 2233.58984 | 2715.31201 |
| 2765.0 | 0.000356 | 2233.12964 | 2743.84692 |
| 2776.0 | 0.000356 | 2232.66992 | 2774.42969 |
| 2867.0 | 0.0003429 | 2232.21021 | 2806.96240 |
| 2860.0 | 0.000356 | 2231.75122 | 2841.31616 |
| 2939.0 | 0.0003429 | 2231.29224 | 2877.33618 |
| 2856.0 | 0.000356 | 2230.83374 | 2914.84399 |
| 2949.0 | 0.0003429 | 2230.37573 | 2953.63062 |
| 3124.0 | 0.0003189 | 2229.91772 | 2993.66870 |
| 3044.0 | 0.0003306 | 2229.46045 | 3034.27271 |
| 3132.0 | 0.0003189 | 2229.00317 | 3075.32031 |
| 3195.0 | 0.0003078 | 2228.54663 | 3116.42749 |
| 3269.0 | 0.0003078 | 2228.09009 | 3157.13892 |
| 3344.0 | 0.0002973 | 2227.63428 | 3196.92896 |
| 3271.0 | 0.0003078 | 2227.17871 | 3235.21655 |
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| 3261.0 | 0.0003078 | 2226.26880 | 3304.81470 |
| 3519.0 | 0.0002873 | 2225.81445 | 3334.96167 |
| 3384.0 | 0.0002973 | 2225.36060 | 3361.37573 |
| 3334.0 | 0.0002973 | 2224.90674 | 3383.76294 |
| 3404.0 | 0.0002973 | 2224.45386 | 3402.54199 |
| 3487.0 | 0.0002873 | 2224.00098 | 3416.70142 |
| 3594.0 | 0.0002778 | 2223.54883 | 3426.99146 |
| 3527.0 | 0.0002873 | 2223.09692 | 3433.73315 |
| 3577.0 | 0.0002778 | 2222.64575 | 3437.30908 |
| 3581.0 | 0.0002778 | 2222.19482 | 3438.11694 |
| 3684.0 | 0.0002687 | 2221.74438 | 3436.54248 |
| 3647.0 | 0.0002778 | 2221.29468 | 3432.95190 |
| 3505.0 | 0.0002873 | 2220.84497 | 3427.69458 |
| 3748.0 | 0.0002687 | 2220.39624 | 3421.13403 |
| 3606.0 | 0.0002778 | 2219.94751 | 3413.66431 |
| 3702.0 | 0.0002687 | 2219.49951 | 3405.73901 |
| 3647.0 | 0.0002778 | 2219.05225 | 3397.87183 |
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| 3662.0 | 0.0002687 | 2218.15869 | 3384.62842 |
| 3552.0 | 0.0002778 | 2217.71265 | 3380.56372 |
| 3564.0 | 0.0002778 | 2217.26733 | 3378.79248 |
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| 3370.0 | 0.0002973 | 2201.21729 | 3165.36279 |
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| 3208.0 | 0.0003078 | 2199.12231 | 3041.24121 |
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| 3029.0 | 0.0003306 | 2193.36523 | 2748.24121 |
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| 2814.0 | 0.000356 | 2191.35034 | 2637.08911 |
| 2607.0 | 0.000384 | 2190.94995 | 2616.77710 |
| 2793.0 | 0.000356 | 2190.55078 | 2597.34985 |
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| 2687.0 | 0.000370 | 2189.75513 | 2561.70459 |
| 2764.0 | 0.000356 | 2189.35864 | 2545.35962 |
| 2650.0 | 0.000384 | 2188.96313 | 2530.16138 |
| 2641.0 | 0.000384 | 2188.56860 | 2516.15942 |
| 2554.0 | 0.000384 | 2188.17480 | 2503.40039 |
| 2666.0 | 0.000370 | 2187.78223 | 2491.91748 |
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| 2529.0 | 0.000400 | 2187.00000 | 2472.90234 |
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| 2558.0 | 0.000384 | 2185.44702 | 2451.20093 |
| 2476.0 | 0.000400 | 2185.06152 | 2449.54346 |
| 2507.0 | 0.000400 | 2184.67676 | 2448.96265 |
| 2497.0 | 0.000400 | 2184.29321 | 2449.76294 |
| 2511.0 | 0.000400 | 2183.91064 | 2451.93750 |
| 2553.0 | 0.000384 | 2183.52905 | 2455.47437 |
| 2468.0 | 0.000400 | 2183.14844 | 2460.35718 |
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| 2477.0 | 0.000400 | 2182.39063 | 2474.07202 |
| 2543.0 | 0.000400 | 2182.01318 | 2482.84082 |
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| 2533.0 | 0.000400 | 2179.77148 | 2560.47925 |
| 2691.0 | 0.000370 | 2179.40161 | 2576.23340 |
| 2672.0 | 0.000370 | 2179.03296 | 2592.52637 |
| 2676.0 | 0.000370 | 2178.66553 | 2609.17358 |
| 2729.0 | 0.000370 | 2178.29907 | 2625.96436 |
| 2624.0 | 0.000384 | 2177.93384 | 2642.65576 |
| 2745.0 | 0.000370 | 2177.56958 | 2658.97168 |
| 2770.0 | 0.000356 | 2177.20654 | 2674.60132 |
| 2788.0 | 0.000356 | 2176.84448 | 2689.21338 |
| 2803.0 | 0.000356 | 2176.48364 | 2702.44971 |
| 2763.0 | 0.000356 | 2176.12402 | 2713.95142 |
| 2896.0 | 0.0003429 | 2175.76563 | 2723.37036 |
| 2864.0 | 0.0003429 | 2175.40820 | 2730.38354 |
| 2952.0 | 0.0003429 | 2175.05225 | 2734.72900 |
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| 2939.0 | 0.0003429 | 2173.99097 | 2730.28564 |
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| 2936.0 | 0.0003429 | 2173.28931 | 2712.97900 |
| 2847.0 | 0.000356 | 2172.94043 | 2700.54541 |
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| 2846.0 | 0.000356 | 2171.90063 | 2652.02075 |
| 2830.0 | 0.000356 | 2171.55664 | 2633.17896 |
| 2716.0 | 0.000370 | 2171.21362 | 2613.57568 |
| 2694.0 | 0.000370 | 2170.87207 | 2593.50708 |
| 2708.0 | 0.000370 | 2170.53149 | 2573.13501 |
| 2670.0 | 0.000370 | 2170.19238 | 2552.88843 |
| 2647.0 | 0.000384 | 2169.85449 | 2532.86157 |
| 2656.0 | 0.000370 | 2169.51807 | 2513.21631 |
| 2589.0 | 0.000384 | 2169.18262 | 2494.08643 |
| 2595.0 | 0.000384 | 2168.84839 | 2476.07837 |
| 2502.0 | 0.000400 | 2168.51563 | 2458.28882 |
| 2529.0 | 0.000400 | 2168.18408 | 2441.27490 |
| 2436.0 | 0.000416 | 2167.85376 | 2425.11646 |
| 2426.0 | 0.000416 | 2167.52490 | 2410.14600 |
| 2511.0 | 0.000400 | 2167.19727 | 2395.69287 |
| 2442.0 | 0.000416 | 2166.87085 | 2382.12061 |
| 2318.0 | 0.000434 | 2166.54590 | 2369.44531 |
| 2333.0 | 0.000434 | 2166.22217 | 2357.61865 |
| 2310.0 | 0.000434 | 2165.89966 | 2346.63647 |
| 2327.0 | 0.000434 | 2165.57861 | 2336.47290 |
| 2257.0 | 0.000434 | 2165.25879 | 2327.09448 |
| 2322.0 | 0.000434 | 2164.94043 | 2318.46484 |
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| 2265.0 | 0.000434 | 2164.30762 | 2303.29028 |
| 2304.0 | 0.000434 | 2163.99316 | 2296.91455 |
| 2289.0 | 0.000434 | 2163.68018 | 2290.39551 |
| 2277.0 | 0.000434 | 2163.36841 | 2284.88623 |
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| 2266.0 | 0.000434 | 2162.44165 | 2271.16406 |
| 2280.0 | 0.000434 | 2162.13550 | 2267.39355 |
| 2251.0 | 0.000453 | 2161.83057 | 2263.96460 |
| 2221.0 | 0.000453 | 2161.52734 | 2260.84619 |
| 2163.0 | 0.000453 | 2161.22534 | 2258.00513 |
| 2240.0 | 0.000453 | 2160.92480 | 2255.41553 |
| 2195.0 | 0.000453 | 2160.62573 | 2253.05396 |
| 2217.0 | 0.000453 | 2160.32764 | 2250.89575 |
| 2222.0 | 0.000453 | 2160.03149 | 2248.92114 |
| 2249.0 | 0.000453 | 2159.73657 | 2247.11401 |
| 2195.0 | 0.000453 | 2159.44287 | 2247.85913 |
| 2259.0 | 0.000434 | 2159.15088 | 2246.35962 |
| 2212.0 | 0.000453 | 2158.86035 | 2244.98291 |
| 2233.0 | 0.000453 | 2158.57129 | 2243.72095 |
| 2207.0 | 0.000453 | 2158.28345 | 2242.56470 |
| 2191.0 | 0.000453 | 2157.99707 | 2241.50366 |
| 2212.0 | 0.000453 | 2157.71216 | 2240.53442 |
| 2201.0 | 0.000453 | 2157.42896 | 2239.64819 |
| 2140.0 | 0.000473 | 2157.14697 | 2238.84229 |
| 2210.0 | 0.000453 | 2156.86646 | 2238.11304 |
| 2201.0 | 0.000453 | 2156.58765 | 2237.95630 |
| 2236.0 | 0.000453 | 2156.31006 | 2237.37158 |
| 2188.0 | 0.000453 | 2156.03418 | 2236.85522 |
| 2225.0 | 0.000453 | 2155.75952 | 2236.40552 |
| 2202.0 | 0.000453 | 2155.48657 | 2236.02319 |
| 2247.0 | 0.000453 | 2155.21509 | 2235.70508 |
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| 2171.0 | 0.000453 | 2154.40967 | 2235.09937 |
| 2260.0 | 0.000434 | 2154.14429 | 2235.05615 |
| 2182.0 | 0.000453 | 2153.88037 | 2235.08691 |
| 2219.0 | 0.000453 | 2153.61792 | 2235.19751 |
| 2131.0 | 0.000473 | 2153.35718 | 2235.39307 |
| 2205.0 | 0.000453 | 2153.09790 | 2235.68140 |
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| 2161.0 | 0.000473 | 2152.58374 | 2236.57007 |
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| 2235.0 | 0.000453 | 2152.07593 | 2237.96167 |
| 2196.0 | 0.000453 | 2151.82446 | 2240.43164 |
| 2280.0 | 0.000434 | 2151.57422 | 2241.55225 |
| 2174.0 | 0.000453 | 2151.32593 | 2243.11987 |
| 2212.0 | 0.000453 | 2151.07910 | 2244.68750 |
| 2224.0 | 0.000453 | 2150.83374 | 2246.52808 |
| 2197.0 | 0.000453 | 2150.59009 | 2248.68018 |
| 2203.0 | 0.000453 | 2150.34790 | 2251.22827 |
| 2284.0 | 0.000434 | 2150.10742 | 2254.13477 |
| 2265.0 | 0.000434 | 2149.86841 | 2256.24585 |
| 2270.0 | 0.000434 | 2149.63110 | 2260.11572 |
| 2249.0 | 0.000453 | 2149.39526 | 2264.55005 |
| 2259.0 | 0.000434 | 2149.16138 | 2269.60791 |
| 2257.0 | 0.000434 | 2148.92871 | 2275.35083 |
| 2323.0 | 0.000434 | 2148.69775 | 2281.84253 |
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| 2331.0 | 0.000434 | 2147.34668 | 2339.58057 |
| 2421.0 | 0.000416 | 2147.12720 | 2352.60352 |
| 2429.0 | 0.000416 | 2146.90918 | 2366.63184 |
| 2452.0 | 0.000400 | 2146.69312 | 2381.63647 |
| 2438.0 | 0.000416 | 2146.47852 | 2397.61694 |
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| 2558.0 | 0.000384 | 2145.63721 | 2469.08057 |
| 2653.0 | 0.000370 | 2145.43091 | 2488.27637 |
| 2610.0 | 0.000384 | 2145.22656 | 2507.70020 |
| 2691.0 | 0.000370 | 2145.02368 | 2527.17529 |
| 2718.0 | 0.000370 | 2144.82251 | 2546.52856 |
| 2748.0 | 0.000370 | 2144.62305 | 2565.59473 |
| 2778.0 | 0.000356 | 2144.42529 | 2584.22266 |
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| 2902.0 | 0.0003429 | 2144.03491 | 2619.72266 |
| 2805.0 | 0.000356 | 2143.84229 | 2636.46118 |
| 2942.0 | 0.0003429 | 2143.65137 | 2652.49780 |
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| 2960.0 | 0.0003429 | 2143.27466 | 2682.57227 |
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| 2998.0 | 0.0003306 | 2142.90479 | 2710.36694 |
| 3013.0 | 0.0003306 | 2142.72241 | 2723.58252 |
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| 3021.0 | 0.0003306 | 2142.36279 | 2748.97974 |
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| 3096.0 | 0.0003189 | 2141.66479 | 2797.70020 |
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| 2963.0 | 0.0003429 | 2141.15942 | 2836.38379 |
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| 2960.0 | 0.0003429 | 2140.83154 | 2865.93384 |
| 3000.0 | 0.0003306 | 2140.67017 | 2882.33398 |
| 3064.0 | 0.0003306 | 2140.51050 | 2899.93384 |
| 3040.0 | 0.0003306 | 2140.35278 | 2918.73193 |
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| 3036.0 | 0.0003306 | 2140.04224 | 2959.50146 |
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| 3274.0 | 0.0003078 | 2137.94385 | 3067.33887 |
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| 3275.0 | 0.0003078 | 2137.69482 | 3015.68311 |
| 3186.0 | 0.0003189 | 2137.57300 | 2985.83081 |
| 3144.0 | 0.0003189 | 2137.45313 | 2954.20313 |
| 3083.0 | 0.0003189 | 2137.33496 | 2921.38574 |
| 3076.0 | 0.0003306 | 2137.21875 | 2888.08765 |
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| 2922.0 | 0.0003429 | 2136.88086 | 2790.81104 |
| 2901.0 | 0.0003429 | 2136.77197 | 2760.80127 |
| 2888.0 | 0.0003429 | 2136.66504 | 2732.64185 |
| 2818.0 | 0.000356 | 2136.55981 | 2705.93555 |
| 2754.0 | 0.000370 | 2136.45654 | 2678.80566 |
| 2778.0 | 0.000356 | 2136.35498 | 2657.97339 |
| 2664.0 | 0.000370 | 2136.25537 | 2640.05322 |
| 2718.0 | 0.000370 | 2136.15771 | 2625.24072 |
| 2665.0 | 0.000370 | 2136.06177 | 2613.71606 |
| 2681.0 | 0.000370 | 2135.96777 | 2605.63721 |
| 2637.0 | 0.000384 | 2135.87549 | 2601.15186 |
| 2706.0 | 0.000370 | 2135.78540 | 2600.39990 |
| 2661.0 | 0.000370 | 2135.69678 | 2603.50781 |
| 2647.0 | 0.000384 | 2135.61035 | 2610.60327 |
| 2594.0 | 0.000384 | 2135.52563 | 2621.80225 |
| 2648.0 | 0.000384 | 2135.44287 | 2637.21411 |
| 2685.0 | 0.000370 | 2135.36206 | 2656.93872 |
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| 2745.0 | 0.000370 | 2135.20581 | 2709.61621 |
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| 3020.0 | 0.0003306 | 2134.65674 | 3084.76025 |
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| 3591.0 | 0.0002778 | 2134.14136 | 3575.31152 |
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| 3584.0 | 0.0002778 | 2133.92383 | 3506.02319 |
| 3630.0 | 0.0002778 | 2133.89453 | 3463.75366 |
| 3588.0 | 0.0002778 | 2133.86694 | 3415.41040 |
| 3498.0 | 0.0002873 | 2133.84131 | 3362.23022 |
| 3500.0 | 0.0002873 | 2133.81763 | 3305.41992 |
| 3464.0 | 0.0002873 | 2133.79565 | 3246.11475 |
| 3428.0 | 0.0002873 | 2133.77588 | 3185.68237 |
| 3296.0 | 0.0003078 | 2133.75781 | 3124.43359 |
| 3362.0 | 0.0002973 | 2133.74194 | 3063.53564 |
| 3221.0 | 0.0003078 | 2133.72778 | 3003.74194 |
| 3115.0 | 0.0003189 | 2133.71558 | 2945.70776 |
| 3221.0 | 0.0003078 | 2133.70532 | 2889.98828 |
| 3090.0 | 0.0003189 | 2133.69702 | 2837.04126 |
| 3072.0 | 0.0003306 | 2133.69067 | 2787.23242 |
| 2979.0 | 0.0003306 | 2133.68628 | 2740.83276 |
| 2897.0 | 0.0003429 | 2133.68384 | 2698.02490 |
| 2908.0 | 0.0003429 | 2133.68335 | 2658.91357 |
| 2863.0 | 0.0003429 | 2133.68481 | 2623.52930 |
| 2901.0 | 0.0003429 | 2133.68799 | 2591.84570 |
| 2791.0 | 0.000356 | 2133.69336 | 2563.78906 |
| 2795.0 | 0.000356 | 2133.70068 | 2539.25269 |
| 2729.0 | 0.000370 | 2133.70972 | 2518.10962 |
| 2715.0 | 0.000370 | 2133.72095 | 2500.22534 |
| 2688.0 | 0.000370 | 2133.73389 | 2485.46997 |
| 2673.0 | 0.000370 | 2133.74902 | 2473.73315 |
| 2672.0 | 0.000370 | 2133.76587 | 2464.94922 |
| 2674.0 | 0.000370 | 2133.78467 | 2459.02490 |
| 2725.0 | 0.000370 | 2133.80542 | 2456.33350 |
| 2682.0 | 0.000370 | 2133.82837 | 2456.19507 |
| 2676.0 | 0.000370 | 2133.85303 | 2459.05737 |
| 2668.0 | 0.000370 | 2133.87964 | 2465.07422 |
| 2647.0 | 0.000384 | 2133.90820 | 2474.44800 |
| 2680.0 | 0.000370 | 2133.93872 | 2487.44189 |
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| 2641.0 | 0.000384 | 2134.00562 | 2525.58496 |
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| 2747.0 | 0.000370 | 2134.08032 | 2582.52930 |
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| 2778.0 | 0.000356 | 2134.20703 | 2710.79932 |
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| 4202.0 | 0.0002367 | 2135.10327 | 4197.88135 |
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| 4582.0 | 0.0002163 | 2135.33496 | 4513.20215 |
| 4717.0 | 0.0002100 | 2135.41626 | 4597.34619 |
| 4864.0 | 0.0002041 | 2135.49927 | 4667.51318 |
| 4854.0 | 0.0002041 | 2135.58423 | 4722.31982 |
| 4823.0 | 0.0002100 | 2135.67114 | 4760.84473 |
| 5042.0 | 0.0001984 | 2135.76001 | 4782.86182 |
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| 4972.0 | 0.0001984 | 2136.13501 | 4725.87793 |
| 4730.0 | 0.0002100 | 2136.23364 | 4685.14014 |
| 4685.0 | 0.0002163 | 2136.33423 | 4639.19824 |
| 4646.0 | 0.0002163 | 2136.43652 | 4590.10840 |
| 4595.0 | 0.0002163 | 2136.54102 | 4540.77393 |
| 4532.0 | 0.0002228 | 2136.64746 | 4493.62891 |
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| 4528.0 | 0.0002228 | 2136.97803 | 4386.23535 |
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| 4464.0 | 0.0002228 | 2137.32593 | 4361.09619 |
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| 4733.0 | 0.0002100 | 2137.69116 | 4434.94336 |
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| 4916.0 | 0.0002041 | 2137.94434 | 4533.72949 |
| 5076.0 | 0.0001984 | 2138.07373 | 4594.91113 |
| 5355.0 | 0.0001877 | 2138.20508 | 4661.11133 |
| 5408.0 | 0.0001826 | 2138.33838 | 4730.83447 |
| 5589.0 | 0.0001778 | 2138.47339 | 4802.03906 |
| 5912.0 | 0.0001687 | 2138.61060 | 4872.58691 |
| 5892.0 | 0.0001687 | 2138.74951 | 4940.28857 |
| 6307.0 | 0.0001602 | 2138.89063 | 5002.96729 |
| 6378.0 | 0.0001562 | 2139.03345 | 5058.54297 |
| 6233.0 | 0.0001602 | 2139.17822 | 5105.11719 |
| 6144.0 | 0.0001644 | 2139.32471 | 5141.07666 |
| 6042.0 | 0.0001644 | 2139.47339 | 5165.20898 |
| 6033.0 | 0.0001644 | 2139.62378 | 5176.76611 |
| 5876.0 | 0.0001687 | 2139.77612 | 5175.52148 |
| 5570.0 | 0.0001778 | 2139.93042 | 5161.75146 |
| 5316.0 | 0.0001877 | 2140.08667 | 5136.28271 |
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| 4462.0 | 0.0002228 | 2141.40405 | 4673.47656 |
| 4297.0 | 0.0002296 | 2141.57715 | 4606.71777 |
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| 4361.0 | 0.0002296 | 2141.92920 | 4482.50635 |
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| 4174.0 | 0.0002367 | 2142.47119 | 4332.70605 |
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| 4208.0 | 0.0002367 | 2142.84180 | 4263.05615 |
| 4268.0 | 0.0002367 | 2143.03003 | 4237.80957 |
| 4294.0 | 0.0002296 | 2143.21997 | 4218.68311 |
| 4285.0 | 0.0002367 | 2143.41187 | 4205.51465 |
| 4224.0 | 0.0002367 | 2143.60547 | 4197.99951 |
| 4402.0 | 0.0002296 | 2143.80127 | 4195.79785 |
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| 4225.0 | 0.0002367 | 2144.19800 | 4205.61328 |
| 4368.0 | 0.0002296 | 2144.39893 | 4217.10010 |
| 4484.0 | 0.0002228 | 2144.60205 | 4232.36230 |
| 4485.0 | 0.0002228 | 2144.80688 | 4250.97266 |
| 4504.0 | 0.0002228 | 2145.01343 | 4272.46289 |
| 4601.0 | 0.0002163 | 2145.22192 | 4296.36133 |
| 4623.0 | 0.0002163 | 2145.43213 | 4322.00928 |
| 4571.0 | 0.0002163 | 2145.64453 | 4348.81592 |
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| 4831.0 | 0.0002041 | 2146.07422 | 4403.08643 |
| 4845.0 | 0.0002041 | 2146.29199 | 4429.02686 |
| 4781.0 | 0.0002100 | 2146.51147 | 4453.11475 |
| 4971.0 | 0.0001984 | 2146.73267 | 4474.54443 |
| 4902.0 | 0.0002041 | 2146.95581 | 4492.53418 |
| 5034.0 | 0.0001984 | 2147.18066 | 4506.34082 |
| 4930.0 | 0.0002041 | 2147.40747 | 4515.28662 |
| 4926.0 | 0.0002041 | 2147.63599 | 4518.77930 |
| 4967.0 | 0.0002041 | 2147.86621 | 4516.34326 |
| 4989.0 | 0.0001984 | 2148.09839 | 4507.64746 |
| 4771.0 | 0.0002100 | 2148.33228 | 4492.18115 |
| 4745.0 | 0.0002100 | 2148.56812 | 4470.61719 |
| 4738.0 | 0.0002100 | 2148.80566 | 4442.81201 |
| 4595.0 | 0.0002163 | 2149.04492 | 4409.13672 |
| 4570.0 | 0.0002163 | 2149.28613 | 4370.12646 |
| 4586.0 | 0.0002163 | 2149.52881 | 4326.45410 |
| 4501.0 | 0.0002228 | 2149.77368 | 4278.89746 |
| 4308.0 | 0.0002296 | 2150.02002 | 4228.28955 |
| 4423.0 | 0.0002228 | 2150.26831 | 4175.49268 |
| 4180.0 | 0.0002367 | 2150.51831 | 4121.34375 |
| 4293.0 | 0.0002296 | 2150.77002 | 4066.64648 |
| 4066.0 | 0.0002441 | 2151.02344 | 4012.11157 |
| 3969.0 | 0.0002520 | 2151.27881 | 3958.37329 |
| 3925.0 | 0.0002520 | 2151.53589 | 3905.95923 |
| 3989.0 | 0.0002520 | 2151.79468 | 3855.51660 |
| 3833.0 | 0.0002601 | 2152.05518 | 3806.95459 |
| 3797.0 | 0.0002601 | 2152.31738 | 3760.74341 |
| 3715.0 | 0.0002687 | 2152.58154 | 3717.07056 |
| 3685.0 | 0.0002687 | 2152.84741 | 3676.06567 |
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| 3570.0 | 0.0002778 | 2153.38403 | 3602.40527 |
| 3583.0 | 0.0002778 | 2153.65503 | 3569.77734 |
| 3709.0 | 0.0002687 | 2153.92773 | 3539.93555 |

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| 3266.0 | 0.0003078 | 2155.59985 | 3413.01660 |
| 3336.0 | 0.0002973 | 2155.88452 | 3398.85645 |
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| 3346.0 | 0.0002973 | 2156.45898 | 3374.89429 |
| 3499.0 | 0.0002873 | 2156.74878 | 3364.74854 |
| 3559.0 | 0.0002778 | 2157.04028 | 3355.79272 |
| 3425.0 | 0.0002873 | 2157.33325 | 3348.04761 |
| 3385.0 | 0.0002973 | 2157.62817 | 3341.57666 |
| 3386.0 | 0.0002973 | 2157.92456 | 3336.47876 |
| 3412.0 | 0.0002973 | 2158.22266 | 3332.86279 |
| 3392.0 | 0.0002973 | 2158.52246 | 3330.83716 |
| 3382.0 | 0.0002973 | 2158.82397 | 3330.50317 |
| 3408.0 | 0.0002973 | 2159.12720 | 3331.86133 |
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| 3524.0 | 0.0002873 | 2159.73828 | 3339.64917 |
| 3423.0 | 0.0002873 | 2160.04639 | 3345.89233 |
| 3418.0 | 0.0002973 | 2160.35596 | 3353.47192 |
| 3468.0 | 0.0002873 | 2160.66724 | 3362.13818 |
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| 3465.0 | 0.0002873 | 2161.29492 | 3381.45117 |
| 3429.0 | 0.0002873 | 2161.61108 | 3391.34473 |
| 3619.0 | 0.0002778 | 2161.92871 | 3400.85229 |
| 3595.0 | 0.0002778 | 2162.24829 | 3409.56323 |
| 3589.0 | 0.0002778 | 2162.56934 | 3417.08105 |
| 3631.0 | 0.0002778 | 2162.89185 | 3423.05127 |
| 3605.0 | 0.0002778 | 2163.21606 | 3427.18115 |
| 3632.0 | 0.0002778 | 2163.54199 | 3429.24316 |
| 3701.0 | 0.0002687 | 2163.86938 | 3429.08887 |
| 3538.0 | 0.0002873 | 2164.19849 | 3426.65210 |
| 3628.0 | 0.0002778 | 2164.52905 | 3421.93970 |
| 3627.0 | 0.0002778 | 2164.86108 | 3415.03638 |
| 3658.0 | 0.0002778 | 2165.19482 | 3406.09229 |
| 3638.0 | 0.0002778 | 2165.53027 | 3395.42188 |
| 3561.0 | 0.0002778 | 2165.86694 | 3383.08008 |
| 3532.0 | 0.0002873 | 2166.20532 | 3369.89819 |
| 3622.0 | 0.0002778 | 2166.54541 | 3355.35938 |
| 3593.0 | 0.0002778 | 2166.88696 | 3340.24048 |
| 3514.0 | 0.0002873 | 2167.22998 | 3324.89575 |
| 3485.0 | 0.0002873 | 2167.57446 | 3309.66968 |
| 3505.0 | 0.0002873 | 2167.92090 | 3294.88770 |
| 3378.0 | 0.0002973 | 2168.26831 | 3280.82788 |
| 3416.0 | 0.0002973 | 2168.61768 | 3267.73145 |
| 3399.0 | 0.0002973 | 2168.96826 | 3255.79688 |
| 3433.0 | 0.0002873 | 2169.32056 | 3245.11108 |
| 3349.0 | 0.0002973 | 2169.67432 | 3235.74902 |
| 3323.0 | 0.0002973 | 2170.02954 | 3227.71704 |
| 3280.0 | 0.0003078 | 2170.38623 | 3220.95605 |
| 3310.0 | 0.0002973 | 2170.74438 | 3215.36279 |
| 3287.0 | 0.0003078 | 2171.10425 | 3210.79565 |

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| 3199.0 | 0.0003078 | 2171.46533 | 3207.08252 |
| 3230.0 | 0.0003078 | 2171.82788 | 3204.03955 |
| 3185.0 | 0.0003189 | 2172.19214 | 3201.47803 |
| 3172.0 | 0.0003189 | 2172.55762 | 3199.21460 |
| 3181.0 | 0.0003189 | 2172.92480 | 3197.08398 |
| 3148.0 | 0.0003189 | 2173.29346 | 3194.93555 |
| 3157.0 | 0.0003189 | 2173.66333 | 3192.63550 |
| 3143.0 | 0.0003189 | 2174.03467 | 3190.06616 |
| 3178.0 | 0.0003189 | 2174.40771 | 3187.11401 |
| 3183.0 | 0.0003189 | 2174.78198 | 3183.66528 |
| 3187.0 | 0.0003189 | 2175.15771 | 3179.72046 |
| 3097.0 | 0.0003189 | 2175.53491 | 3174.94507 |
| 3062.0 | 0.0003306 | 2175.91333 | 3169.33569 |
| 3052.0 | 0.0003306 | 2176.29346 | 3162.79565 |
| 3123.0 | 0.0003189 | 2176.67480 | 3155.24878 |
| 3104.0 | 0.0003189 | 2177.05762 | 3146.65869 |
| 3144.0 | 0.0003189 | 2177.44189 | 3137.03882 |
| 3095.0 | 0.0003189 | 2177.82739 | 3126.46191 |
| 3210.0 | 0.0003078 | 2178.21436 | 3115.05005 |
| 3019.0 | 0.0003306 | 2178.60278 | 3102.99048 |
| 3066.0 | 0.0003306 | 2178.99243 | 3090.50513 |
| 3022.0 | 0.0003306 | 2179.38354 | 3077.84473 |
| 2963.0 | 0.0003429 | 2179.77612 | 3065.26782 |
| 2994.0 | 0.0003306 | 2180.16992 | 3053.47388 |
| 2899.0 | 0.0003429 | 2180.56519 | 3041.80249 |
| 2982.0 | 0.0003306 | 2180.96167 | 3030.88818 |
| 2956.0 | 0.0003429 | 2181.35938 | 3020.88110 |
| 2936.0 | 0.0003429 | 2181.75879 | 3011.87866 |
| 2934.0 | 0.0003429 | 2182.15918 | 3003.92358 |
| 2921.0 | 0.0003429 | 2182.56128 | 2997.01172 |
| 2834.0 | 0.000356 | 2182.96436 | 2991.07861 |
| 2941.0 | 0.0003429 | 2183.36890 | 2986.48242 |
| 2953.0 | 0.0003429 | 2183.77466 | 2982.14355 |
| 2877.0 | 0.0003429 | 2184.18188 | 2978.32910 |
| 2929.0 | 0.0003429 | 2184.59009 | 2974.81421 |
| 2861.0 | 0.000356 | 2184.99976 | 2971.35181 |
| 2809.0 | 0.000356 | 2185.41064 | 2967.72241 |
| 2916.0 | 0.0003429 | 2185.82300 | 2963.60864 |
| 2905.0 | 0.0003429 | 2186.23657 | 2958.82153 |
| 2870.0 | 0.0003429 | 2186.65112 | 2954.27222 |
| 2881.0 | 0.0003429 | 2187.06738 | 2947.63574 |
| 2815.0 | 0.000356 | 2187.48462 | 2939.93066 |
| 2842.0 | 0.000356 | 2187.90308 | 2931.13989 |
| 2700.0 | 0.000370 | 2188.32275 | 2921.28735 |
| 2805.0 | 0.000356 | 2188.74390 | 2910.44385 |
| 2744.0 | 0.000370 | 2189.16602 | 2898.69092 |
| 2730.0 | 0.000370 | 2189.58960 | 2886.11694 |
| 2733.0 | 0.000370 | 2190.01416 | 2872.80249 |
| 2652.0 | 0.000384 | 2190.44019 | 2858.81738 |
| 2616.0 | 0.000384 | 2190.86719 | 2844.20605 |
| 2634.0 | 0.000384 | 2191.29541 | 2829.00977 |
| 2646.0 | 0.000384 | 2191.72485 | 2813.24731 |
| 2612.0 | 0.000384 | 2192.15552 | 2796.93848 |
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| 2523.0 | 0.000400 | 2193.02051 | 2762.81323 |
| 2520.0 | 0.000400 | 2193.45459 | 2746.26270 |
| 2600.0 | 0.000384 | 2193.88989 | 2728.12012 |
| 2551.0 | 0.000384 | 2194.32642 | 2709.68091 |
| 2509.0 | 0.000400 | 2194.76392 | 2691.04663 |
| 2500.0 | 0.000400 | 2195.20264 | 2672.51538 |
| 2492.0 | 0.000400 | 2195.64258 | 2653.83228 |
| 2432.0 | 0.000416 | 2196.08374 | 2635.29956 |
| 2459.0 | 0.000400 | 2196.52563 | 2616.10962 |
| 2459.0 | 0.000400 | 2196.96899 | 2598.20996 |
| 2388.0 | 0.000416 | 2197.41333 | 2580.76392 |
| 2380.0 | 0.000416 | 2197.85889 | 2563.84790 |
| 2407.0 | 0.000416 | 2198.30542 | 2547.52222 |
| 2387.0 | 0.000416 | 2198.75317 | 2531.83105 |
| 2317.0 | 0.000434 | 2199.20166 | 2516.81055 |
| 2349.0 | 0.000434 | 2199.65137 | 2502.47949 |
| 2283.0 | 0.000434 | 2200.10229 | 2488.85083 |
| 2259.0 | 0.000434 | 2200.55420 | 2475.92920 |
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| 2291.0 | 0.000434 | 2201.46118 | 2452.19458 |
| 2268.0 | 0.000434 | 2201.91626 | 2441.36475 |
| 2295.0 | 0.000434 | 2202.37231 | 2431.20996 |
| 2272.0 | 0.000434 | 2202.82935 | 2421.71533 |
| 2279.0 | 0.000434 | 2203.28760 | 2412.86426 |
| 2292.0 | 0.000434 | 2203.74658 | 2404.64038 |
| 2289.0 | 0.000434 | 2204.20679 | 2397.02417 |
| 2272.0 | 0.000434 | 2204.66797 | 2389.99731 |
| 2257.0 | 0.000434 | 2205.13013 | 2383.54175 |
| 2290.0 | 0.000434 | 2205.59326 | 2377.63696 |
| 2204.0 | 0.000453 | 2206.05737 | 2372.26685 |
| 2305.0 | 0.000434 | 2206.52246 | 2367.41016 |
| 2244.0 | 0.000453 | 2206.98828 | 2363.05444 |
| 2285.0 | 0.000434 | 2207.45532 | 2359.38403 |
| 2263.0 | 0.000434 | 2207.92334 | 2355.97144 |
| 2208.0 | 0.000453 | 2208.39233 | 2353.01099 |
| 2247.0 | 0.000453 | 2208.86206 | 2350.48315 |
| 2216.0 | 0.000453 | 2209.33276 | 2348.37646 |
| 2184.0 | 0.000453 | 2209.80444 | 2346.67871 |
| 2296.0 | 0.000434 | 2210.27710 | 2345.37573 |
| 2156.0 | 0.000473 | 2210.75049 | 2344.46021 |
| 2213.0 | 0.000453 | 2211.22485 | 2343.91626 |
| 2238.0 | 0.000453 | 2211.70020 | 2343.73560 |
| 2209.0 | 0.000453 | 2212.17627 | 2343.90723 |
| 2182.0 | 0.000453 | 2212.65356 | 2344.41895 |
| 2214.0 | 0.000453 | 2213.13135 | 2345.25708 |
| 2246.0 | 0.000453 | 2213.61011 | 2346.40942 |
| 2208.0 | 0.000453 | 2214.08984 | 2347.85986 |
| 2258.0 | 0.000434 | 2214.57007 | 2349.59058 |
| 2186.0 | 0.000453 | 2215.05176 | 2351.58643 |
| 2199.0 | 0.000453 | 2215.53369 | 2353.82129 |
| 2273.0 | 0.000434 | 2216.01685 | 2356.27148 |
| 2241.0 | 0.000453 | 2216.50049 | 2358.90820 |
| 2200.0 | 0.000453 | 2216.98535 | 2361.70630 |
| 2200.0 | 0.000453 | 2217.47070 | 2364.62378 |

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| 2161.0 | 0.000473 | 2217.95703 | 2367.63330 |
| 2226.0 | 0.000453 | 2218.44385 | 2370.68848 |
| 2233.0 | 0.000453 | 2218.93164 | 2373.74854 |
| 2333.0 | 0.000434 | 2219.42041 | 2376.76953 |
| 2287.0 | 0.000434 | 2219.90967 | 2379.70264 |
| 2277.0 | 0.000434 | 2220.39990 | 2382.50464 |
| 2257.0 | 0.000434 | 2220.89063 | 2385.12769 |
| 2273.0 | 0.000434 | 2221.38257 | 2387.53906 |
| 2231.0 | 0.000453 | 2221.87476 | 2389.70117 |
| 2252.0 | 0.000453 | 2222.36792 | 2391.60083 |
| 2281.0 | 0.000434 | 2222.86182 | 2393.22852 |
| 2234.0 | 0.000453 | 2223.35620 | 2394.59985 |
| 2274.0 | 0.000434 | 2223.85156 | 2395.73730 |
| 2232.0 | 0.000453 | 2224.34741 | 2396.68823 |
| 2277.0 | 0.000434 | 2224.84424 | 2397.50488 |
| 2253.0 | 0.000453 | 2225.34155 | 2398.25635 |
| 2281.0 | 0.000434 | 2225.83960 | 2399.01807 |
| 2232.0 | 0.000453 | 2226.33813 | 2399.87109 |
| 2237.0 | 0.000453 | 2226.83740 | 2400.89941 |
| 2187.0 | 0.000453 | 2227.33765 | 2402.19141 |
| 2333.0 | 0.000434 | 2227.83813 | 2404.10083 |
| 2293.0 | 0.000434 | 2228.33960 | 2406.18335 |
| 2340.0 | 0.000434 | 2228.84131 | 2408.79297 |
| 2283.0 | 0.000434 | 2229.34399 | 2412.01953 |
| 2222.0 | 0.000453 | 2229.84717 | 2415.95215 |
| 2309.0 | 0.000434 | 2230.35107 | 2420.67773 |
| 2331.0 | 0.000434 | 2230.85547 | 2426.28394 |
| 2363.0 | 0.000416 | 2231.36035 | 2432.82349 |
| 2338.0 | 0.000434 | 2231.86621 | 2440.45361 |
| 2330.0 | 0.000434 | 2232.37207 | 2449.48706 |
| 2371.0 | 0.000416 | 2232.87915 | 2459.47803 |
| 2355.0 | 0.000416 | 2233.38623 | 2470.76440 |
| 2426.0 | 0.000416 | 2233.89429 | 2483.41870 |
| 2406.0 | 0.000416 | 2234.40259 | 2497.51270 |
| 2417.0 | 0.000416 | 2234.91162 | 2513.10547 |
| 2498.0 | 0.000400 | 2235.42114 | 2530.25098 |
| 2431.0 | 0.000416 | 2235.93115 | 2549.05054 |
| 2440.0 | 0.000416 | 2236.44165 | 2569.42407 |
| 2533.0 | 0.000400 | 2236.95264 | 2591.44849 |
| 2554.0 | 0.000384 | 2237.46436 | 2615.13208 |
| 2547.0 | 0.000400 | 2237.97632 | 2640.46509 |
| 2588.0 | 0.000384 | 2238.48901 | 2667.42261 |
| 2637.0 | 0.000384 | 2239.00195 | 2695.95801 |
| 2637.0 | 0.000384 | 2239.51538 | 2726.09302 |
| 2654.0 | 0.000370 | 2240.02930 | 2757.56396 |
| 2726.0 | 0.000370 | 2240.54370 | 2790.52783 |
| 2819.0 | 0.000356 | 2241.05884 | 2824.50073 |
| 2840.0 | 0.000356 | 2241.57397 | 2859.51294 |
| 2849.0 | 0.000356 | 2242.08984 | 2895.40332 |
| 2931.0 | 0.0003429 | 2242.60596 | 2931.98438 |
| 2992.0 | 0.0003306 | 2243.12256 | 2968.49878 |
| 3013.0 | 0.0003306 | 2243.63965 | 3005.87866 |
| 3009.0 | 0.0003306 | 2244.15674 | 3043.33179 |
| 3132.0 | 0.0003189 | 2244.67480 | 3080.62402 |

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| 3127.0 | 0.0003189 | 2245.19287 | 3117.50073 |
| 3131.0 | 0.0003189 | 2245.71143 | 3153.70605 |
| 3189.0 | 0.0003189 | 2246.23047 | 3188.98486 |
| 3278.0 | 0.0003078 | 2246.74976 | 3223.03198 |
| 3319.0 | 0.0002973 | 2247.26929 | 3255.61719 |
| 3346.0 | 0.0002973 | 2247.78955 | 3286.60620 |
| 3294.0 | 0.0003078 | 2248.30957 | 3315.73999 |
| 3450.0 | 0.0002873 | 2248.83032 | 3342.84570 |
| 3365.0 | 0.0002973 | 2249.35132 | 3367.95239 |
| 3428.0 | 0.0002873 | 2249.87256 | 3391.07446 |
| 3467.0 | 0.0002873 | 2250.39429 | 3412.27759 |
| 3361.0 | 0.0002973 | 2250.91602 | 3431.65723 |
| 3438.0 | 0.0002873 | 2251.43848 | 3449.31274 |
| 3438.0 | 0.0002873 | 2251.96069 | 3465.33130 |
| 3446.0 | 0.0002873 | 2252.48340 | 3479.76465 |
| 3487.0 | 0.0002873 | 2253.00659 | 3492.60693 |
| 3536.0 | 0.0002873 | 2253.52979 | 3503.79834 |
| 3496.0 | 0.0002873 | 2254.05347 | 3513.21533 |
| 3440.0 | 0.0002873 | 2254.57715 | 3520.67725 |
| 3487.0 | 0.0002873 | 2255.10107 | 3525.95313 |
| 3365.0 | 0.0002973 | 2255.62524 | 3528.79126 |
| 3437.0 | 0.0002873 | 2256.14990 | 3528.92505 |
| 3450.0 | 0.0002873 | 2256.67432 | 3526.11060 |
| 3441.0 | 0.0002873 | 2257.19922 | 3520.15039 |
| 3375.0 | 0.0002973 | 2257.72437 | 3510.91040 |
| 3366.0 | 0.0002973 | 2258.24951 | 3498.35693 |
| 3319.0 | 0.0002973 | 2258.77490 | 3482.54712 |
| 3367.0 | 0.0002973 | 2259.30054 | 3463.65283 |
| 3277.0 | 0.0003078 | 2259.82642 | 3441.94531 |
| 3296.0 | 0.0003078 | 2260.35205 | 3417.78125 |
| 3271.0 | 0.0003078 | 2260.87817 | 3391.58618 |
| 3226.0 | 0.0003078 | 2261.40430 | 3363.82202 |
| 3201.0 | 0.0003078 | 2261.93066 | 3334.96777 |
| 3126.0 | 0.0003189 | 2262.45703 | 3305.48926 |
| 3150.0 | 0.0003189 | 2262.98364 | 3275.82983 |
| 3089.0 | 0.0003189 | 2263.51025 | 3246.38550 |
| 3059.0 | 0.0003306 | 2264.03711 | 3217.50024 |
| 3069.0 | 0.0003306 | 2264.56396 | 3189.46875 |
| 3050.0 | 0.0003306 | 2265.09082 | 3162.42993 |
| 2931.0 | 0.0003429 | 2265.61768 | 3136.76196 |
| 2997.0 | 0.0003306 | 2266.14478 | 3112.51416 |
| 2960.0 | 0.0003429 | 2266.67188 | 3089.79272 |
| 2972.0 | 0.0003306 | 2267.19897 | 3068.67480 |
| 3031.0 | 0.0003306 | 2267.72632 | 3049.21997 |
| 2993.0 | 0.0003306 | 2268.25342 | 3031.46216 |
| 2935.0 | 0.0003429 | 2268.78076 | 3015.43384 |
| 3022.0 | 0.0003306 | 2269.30811 | 3001.14819 |
| 2970.0 | 0.0003306 | 2269.83521 | 2988.61084 |
| 2999.0 | 0.0003306 | 2270.36230 | 2977.81055 |
| 3020.0 | 0.0003306 | 2270.88965 | 2968.72583 |
| 3014.0 | 0.0003306 | 2271.41699 | 2961.31226 |
| 3101.0 | 0.0003189 | 2271.94434 | 2955.51221 |
| 3071.0 | 0.0003306 | 2272.47144 | 2951.24927 |
| 3029.0 | 0.0003306 | 2272.99854 | 2948.42944 |

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| 3044.0 | 0.0003306 | 2273.52563 | 2946.94019 |
| 3007.0 | 0.0003306 | 2274.05273 | 2946.66064 |
| 2947.0 | 0.0003429 | 2274.57959 | 2947.45508 |
| 3030.0 | 0.0003306 | 2275.10645 | 2949.18115 |
| 3051.0 | 0.0003306 | 2275.63330 | 2951.69458 |
| 3046.0 | 0.0003306 | 2276.15991 | 2954.85620 |
| 3018.0 | 0.0003306 | 2276.68677 | 2958.54248 |
| 2997.0 | 0.0003306 | 2277.21313 | 2962.64941 |
| 3016.0 | 0.0003306 | 2277.73950 | 2967.10352 |
| 3072.0 | 0.0003306 | 2278.26587 | 2971.86890 |
| 3047.0 | 0.0003306 | 2278.79175 | 2976.95288 |
| 3013.0 | 0.0003306 | 2279.31787 | 2982.40259 |
| 3091.0 | 0.0003189 | 2279.84375 | 2988.30859 |
| 3102.0 | 0.0003189 | 2280.36963 | 2994.78906 |
| 3148.0 | 0.0003189 | 2280.89502 | 3001.98462 |
| 3046.0 | 0.0003306 | 2281.42041 | 3010.04688 |
| 2959.0 | 0.0003429 | 2281.94556 | 3019.12061 |
| 3019.0 | 0.0003306 | 2282.47070 | 3029.33374 |
| 3019.0 | 0.0003306 | 2282.99536 | 3040.78247 |
| 3072.0 | 0.0003306 | 2283.51978 | 3053.52710 |
| 3061.0 | 0.0003306 | 2284.04443 | 3067.58081 |
| 3072.0 | 0.0003306 | 2284.56836 | 3082.96802 |
| 3110.0 | 0.0003189 | 2285.09253 | 3099.46777 |
| 3114.0 | 0.0003189 | 2285.61597 | 3116.98999 |
| 3149.0 | 0.0003189 | 2286.13965 | 3135.32520 |
| 3214.0 | 0.0003078 | 2286.66260 | 3154.20776 |
| 3156.0 | 0.0003189 | 2287.18579 | 3173.31030 |
| 3150.0 | 0.0003189 | 2287.70825 | 3192.25854 |
| 3325.0 | 0.0002973 | 2288.23071 | 3210.76929 |
| 3311.0 | 0.0002973 | 2288.75293 | 3228.08838 |
| 3361.0 | 0.0002973 | 2289.27466 | 3243.86719 |
| 3442.0 | 0.0002873 | 2289.79614 | 3257.60181 |
| 3425.0 | 0.0002873 | 2290.31738 | 3268.79883 |
| 3407.0 | 0.0002973 | 2290.83838 | 3277.00244 |
| 3474.0 | 0.0002873 | 2291.35889 | 3281.82324 |
| 3270.0 | 0.0003078 | 2291.87891 | 3282.96167 |
| 3321.0 | 0.0002973 | 2292.39893 | 3280.22632 |
| 3299.0 | 0.0003078 | 2292.91821 | 3273.55542 |
| 3299.0 | 0.0003078 | 2293.43750 | 3262.99902 |
| 3202.0 | 0.0003078 | 2293.95630 | 3248.73682 |
| 3185.0 | 0.0003189 | 2294.47485 | 3231.03442 |
| 3123.0 | 0.0003189 | 2294.99292 | 3210.31934 |
| 3026.0 | 0.0003306 | 2295.51050 | 3186.84644 |
| 3060.0 | 0.0003306 | 2296.02783 | 3161.13257 |
| 2989.0 | 0.0003306 | 2296.54443 | 3133.63208 |
| 2929.0 | 0.0003429 | 2297.06104 | 3104.80249 |
| 3006.0 | 0.0003306 | 2297.57690 | 3075.08472 |
| 2829.0 | 0.000356 | 2298.09253 | 3044.89575 |
| 2898.0 | 0.0003429 | 2298.60767 | 3014.61768 |
| 2790.0 | 0.000356 | 2299.12256 | 2984.59814 |
| 2706.0 | 0.000370 | 2299.63672 | 2955.13745 |
| 2773.0 | 0.000356 | 2300.15063 | 2926.74878 |
| 2714.0 | 0.000370 | 2300.66382 | 2899.12646 |
| 2780.0 | 0.000356 | 2301.17651 | 2872.68701 |

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| 2725.0 | 0.000370 | 2301.68896 | 2847.54858 |
| 2698.0 | 0.000370 | 2302.20068 | 2823.78125 |
| 2615.0 | 0.000384 | 2302.71216 | 2801.42163 |
| 2654.0 | 0.000370 | 2303.22290 | 2780.46558 |
| 2611.0 | 0.000384 | 2303.73340 | 2760.88721 |
| 2661.0 | 0.000370 | 2304.24316 | 2742.64111 |
| 2673.0 | 0.000370 | 2304.75220 | 2725.65723 |
| 2744.0 | 0.000370 | 2305.26123 | 2709.87842 |
| 2567.0 | 0.000384 | 2305.76929 | 2695.23608 |
| 2636.0 | 0.000384 | 2306.27686 | 2681.67432 |
| 2596.0 | 0.000384 | 2306.78394 | 2669.14624 |
| 2583.0 | 0.000384 | 2307.29053 | 2657.61157 |
| 2481.0 | 0.000400 | 2307.79614 | 2647.04834 |
| 2566.0 | 0.000384 | 2308.30151 | 2637.43188 |
| 2517.0 | 0.000400 | 2308.80615 | 2628.75317 |
| 2469.0 | 0.000400 | 2309.31030 | 2620.98340 |
| 2556.0 | 0.000384 | 2309.81396 | 2614.10718 |
| 2465.0 | 0.000400 | 2310.31665 | 2608.09961 |
| 2508.0 | 0.000400 | 2310.81909 | 2602.93262 |
| 2503.0 | 0.000400 | 2311.32056 | 2598.56958 |
| 2434.0 | 0.000416 | 2311.82153 | 2594.96362 |
| 2585.0 | 0.000384 | 2312.32178 | 2592.06323 |
| 2456.0 | 0.000400 | 2312.82153 | 2589.80957 |
| 2444.0 | 0.000416 | 2313.32056 | 2588.13574 |
| 2415.0 | 0.000416 | 2313.81860 | 2586.97168 |
| 2365.0 | 0.000416 | 2314.31641 | 2586.23901 |
| 2299.0 | 0.000434 | 2314.81323 | 2585.87061 |
| 2457.0 | 0.000400 | 2315.30957 | 2585.75732 |
| 2437.0 | 0.000416 | 2315.80518 | 2585.82861 |
| 2401.0 | 0.000416 | 2316.30005 | 2586.00562 |
| 2372.0 | 0.000416 | 2316.79395 | 2586.21631 |
| 2378.0 | 0.000416 | 2317.28735 | 2586.40063 |
| 2457.0 | 0.000400 | 2317.78003 | 2586.50928 |
| 2381.0 | 0.000416 | 2318.27173 | 2586.51465 |
| 2279.0 | 0.000434 | 2318.76318 | 2586.41284 |
| 2304.0 | 0.000434 | 2319.25342 | 2586.21191 |
| 2365.0 | 0.000416 | 2319.74316 | 2585.95288 |
| 2345.0 | 0.000434 | 2320.23169 | 2585.69043 |
| 2362.0 | 0.000416 | 2320.71997 | 2585.50366 |
| 2428.0 | 0.000416 | 2321.20728 | 2585.48315 |
| 2328.0 | 0.000434 | 2321.69360 | 2585.72827 |
| 2328.0 | 0.000434 | 2322.17920 | 2586.35327 |
| 2449.0 | 0.000416 | 2322.66406 | 2587.46997 |
| 2376.0 | 0.000416 | 2323.14819 | 2589.19604 |
| 2322.0 | 0.000434 | 2323.63135 | 2591.71509 |
| 2469.0 | 0.000400 | 2324.11377 | 2594.99609 |
| 2416.0 | 0.000416 | 2324.59521 | 2599.21997 |
| 2484.0 | 0.000400 | 2325.07593 | 2604.48901 |
| 2439.0 | 0.000416 | 2325.55566 | 2611.04980 |
| 2362.0 | 0.000416 | 2326.03467 | 2618.69238 |
| 2391.0 | 0.000416 | 2326.51294 | 2627.61963 |
| 2460.0 | 0.000400 | 2326.98999 | 2637.90454 |
| 2390.0 | 0.000416 | 2327.46631 | 2649.59668 |
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| 2480.0 | 0.000400 | 2328.41626 | 2677.36694 |
| 2421.0 | 0.000416 | 2328.88989 | 2693.40771 |
| 2447.0 | 0.000416 | 2329.36255 | 2710.86353 |
| 2514.0 | 0.000400 | 2329.83423 | 2729.69580 |
| 2455.0 | 0.000400 | 2330.30518 | 2749.83936 |
| 2471.0 | 0.000400 | 2330.77515 | 2771.20605 |
| 2540.0 | 0.000400 | 2331.24390 | 2793.68604 |
| 2564.0 | 0.000384 | 2331.71191 | 2817.15015 |
| 2545.0 | 0.000400 | 2332.17896 | 2841.48218 |
| 2649.0 | 0.000384 | 2332.64526 | 2866.44629 |
| 2757.0 | 0.000356 | 2333.11011 | 2891.88525 |
| 2695.0 | 0.000370 | 2333.57422 | 2917.59009 |
| 2677.0 | 0.000370 | 2334.03735 | 2943.33691 |
| 2769.0 | 0.000356 | 2334.49951 | 2968.84619 |
| 2776.0 | 0.000356 | 2334.96069 | 2994.52124 |
| 2909.0 | 0.0003429 | 2335.42065 | 3018.71289 |
| 2781.0 | 0.000356 | 2335.87988 | 3041.75488 |
| 2898.0 | 0.0003429 | 2336.33789 | 3063.29175 |
| 2832.0 | 0.000356 | 2336.79517 | 3082.95996 |
| 2989.0 | 0.0003306 | 2337.25098 | 3100.38574 |
| 3005.0 | 0.0003306 | 2337.70581 | 3115.21680 |
| 3064.0 | 0.0003306 | 2338.15991 | 3127.13135 |
| 2990.0 | 0.0003306 | 2338.61279 | 3136.14502 |
| 2922.0 | 0.0003429 | 2339.06470 | 3141.49756 |
| 3013.0 | 0.0003306 | 2339.51514 | 3143.36426 |
| 3113.0 | 0.0003189 | 2339.96484 | 3141.73608 |
| 3078.0 | 0.0003306 | 2340.41333 | 3136.69800 |
| 3010.0 | 0.0003306 | 2340.86084 | 3128.42480 |
| 2953.0 | 0.0003429 | 2341.30713 | 3117.17310 |
| 2956.0 | 0.0003429 | 2341.75244 | 3103.24902 |
| 2931.0 | 0.0003429 | 2342.19653 | 3087.00806 |
| 3018.0 | 0.0003306 | 2342.63940 | 3068.82495 |
| 2872.0 | 0.0003429 | 2343.08154 | 3049.08569 |
| 2875.0 | 0.0003429 | 2343.52222 | 3028.17480 |
| 2922.0 | 0.0003429 | 2343.96191 | 3006.62476 |
| 2872.0 | 0.0003429 | 2344.40015 | 2984.48120 |
| 2715.0 | 0.000370 | 2344.83740 | 2962.24097 |
| 2739.0 | 0.000370 | 2345.27368 | 2940.21802 |
| 2751.0 | 0.000370 | 2345.70850 | 2918.70068 |
| 2706.0 | 0.000370 | 2346.14233 | 2897.95483 |
| 2653.0 | 0.000370 | 2346.57495 | 2878.04712 |
| 2681.0 | 0.000370 | 2347.00635 | 2859.52783 |
| 2787.0 | 0.000356 | 2347.43652 | 2842.40088 |
| 2639.0 | 0.000384 | 2347.86548 | 2826.82935 |
| 2606.0 | 0.000384 | 2348.29321 | 2812.94678 |
| 2596.0 | 0.000384 | 2348.71973 | 2800.86450 |
| 2585.0 | 0.000384 | 2349.14526 | 2790.67480 |
| 2667.0 | 0.000370 | 2349.56934 | 2782.45459 |
| 2578.0 | 0.000384 | 2349.99219 | 2776.25806 |
| 2503.0 | 0.000400 | 2350.41382 | 2772.13550 |
| 2516.0 | 0.000400 | 2350.83423 | 2770.12012 |
| 2576.0 | 0.000384 | 2351.25342 | 2770.23657 |
| 2565.0 | 0.000384 | 2351.67114 | 2772.02319 |
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| 2547.0 | 0.000400 | 2352.50317 | 2783.05396 |
| 2577.0 | 0.000384 | 2352.91724 | 2791.82129 |
| 2574.0 | 0.000384 | 2353.33008 | 2802.76074 |
| 2590.0 | 0.000384 | 2353.74170 | 2815.86182 |
| 2566.0 | 0.000384 | 2354.15161 | 2831.11865 |
| 2634.0 | 0.000384 | 2354.56055 | 2848.63525 |
| 2562.0 | 0.000384 | 2354.96802 | 2868.16675 |
| 2658.0 | 0.000370 | 2355.37427 | 2889.81177 |
| 2759.0 | 0.000356 | 2355.77930 | 2913.55469 |
| 2694.0 | 0.000370 | 2356.18286 | 2939.37500 |
| 2714.0 | 0.000370 | 2356.58521 | 2967.25366 |
| 2749.0 | 0.000370 | 2356.98584 | 2997.17651 |
| 2832.0 | 0.000356 | 2357.38550 | 3029.12622 |
| 2907.0 | 0.0003429 | 2357.78369 | 3063.08911 |
| 2964.0 | 0.0003429 | 2358.18066 | 3099.05176 |
| 2955.0 | 0.0003429 | 2358.57593 | 3136.99976 |
| 3077.0 | 0.0003306 | 2358.96997 | 3176.92310 |
| 3026.0 | 0.0003306 | 2359.36279 | 3218.77295 |
| 3103.0 | 0.0003189 | 2359.75415 | 3262.50342 |
| 3238.0 | 0.0003078 | 2360.14404 | 3308.05469 |
| 3232.0 | 0.0003078 | 2360.53247 | 3355.32788 |
| 3306.0 | 0.0003078 | 2360.91968 | 3404.19727 |
| 3418.0 | 0.0002973 | 2361.30542 | 3454.49951 |
| 3467.0 | 0.0002873 | 2361.68970 | 3506.01855 |
| 3494.0 | 0.0002873 | 2362.07275 | 3558.50024 |
| 3518.0 | 0.0002873 | 2362.45410 | 3610.99561 |
| 3555.0 | 0.0002778 | 2362.83423 | 3664.42798 |
| 3667.0 | 0.0002687 | 2363.21265 | 3717.76147 |
| 3795.0 | 0.0002601 | 2363.58984 | 3770.67212 |
| 3780.0 | 0.0002687 | 2363.96558 | 3822.48389 |
| 3836.0 | 0.0002601 | 2364.33984 | 3872.85913 |
| 3880.0 | 0.0002601 | 2364.71265 | 3921.36914 |
| 3915.0 | 0.0002520 | 2365.08374 | 3967.64111 |
| 3963.0 | 0.0002520 | 2365.45361 | 4011.37500 |
| 4037.0 | 0.0002441 | 2365.82202 | 4052.37329 |
| 4028.0 | 0.0002520 | 2366.18896 | 4090.55542 |
| 4050.0 | 0.0002441 | 2366.55420 | 4126.02295 |
| 4139.0 | 0.0002441 | 2366.91821 | 4158.78760 |
| 4102.0 | 0.0002441 | 2367.28052 | 4189.27979 |
| 4127.0 | 0.0002441 | 2367.64136 | 4217.57178 |
| 4148.0 | 0.0002441 | 2368.00073 | 4244.13184 |
| 4142.0 | 0.0002441 | 2368.35840 | 4269.31396 |
| 4097.0 | 0.0002441 | 2368.71484 | 4293.44092 |
| 4160.0 | 0.0002367 | 2369.06958 | 4316.79004 |
| 4213.0 | 0.0002367 | 2369.42310 | 4339.55469 |
| 4168.0 | 0.0002367 | 2369.77466 | 4361.84326 |
| 4233.0 | 0.0002367 | 2370.12476 | 4383.65234 |
| 4222.0 | 0.0002367 | 2370.47339 | 4404.34668 |
| 4245.0 | 0.0002367 | 2370.82056 | 4424.81494 |
| 4379.0 | 0.0002296 | 2371.16602 | 4444.23291 |
| 4397.0 | 0.0002296 | 2371.51001 | 4462.38184 |
| 4338.0 | 0.0002296 | 2371.85229 | 4478.82910 |
| 4338.0 | 0.0002296 | 2372.19312 | 4492.87354 |
| 4409.0 | 0.0002296 | 2372.53247 | 4504.36572 |

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| 4504.0 | 0.0002228 | 2372.86987 | 4512.98145 |
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| 4684.0 | 0.0002163 | 2373.87329 | 4520.02734 |
| 4665.0 | 0.0002163 | 2374.20459 | 4515.98291 |
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| 4667.0 | 0.0002163 | 2374.86206 | 4499.37988 |
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| 4783.0 | 0.0002100 | 2375.51343 | 4473.35449 |
| 4767.0 | 0.0002100 | 2375.83643 | 4457.56689 |
| 4830.0 | 0.0002041 | 2376.15796 | 4440.28223 |
| 4824.0 | 0.0002100 | 2376.47778 | 4421.72461 |
| 4719.0 | 0.0002100 | 2376.79590 | 4402.04443 |
| 4800.0 | 0.0002100 | 2377.11255 | 4381.36182 |
| 4717.0 | 0.0002100 | 2377.42749 | 4360.09229 |
| 4683.0 | 0.0002163 | 2377.74072 | 4337.59766 |
| 4581.0 | 0.0002163 | 2378.05225 | 4314.23145 |
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| 4351.0 | 0.0002296 | 2380.48462 | 4088.03931 |
| 4290.0 | 0.0002367 | 2380.78101 | 4053.12451 |
| 4220.0 | 0.0002367 | 2381.07568 | 4016.38916 |
| 4234.0 | 0.0002367 | 2381.36865 | 3977.84863 |
| 4160.0 | 0.0002441 | 2381.65991 | 3937.60156 |
| 4104.0 | 0.0002441 | 2381.94946 | 3895.81689 |
| 4115.0 | 0.0002441 | 2382.23730 | 3852.73535 |
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| 3922.0 | 0.0002520 | 2382.80786 | 3763.87012 |
| 3793.0 | 0.0002601 | 2383.09033 | 3718.76318 |
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| 3717.0 | 0.0002687 | 2383.92773 | 3584.82104 |
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| 3501.0 | 0.0002873 | 2384.47729 | 3499.84644 |
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| 3441.0 | 0.0002873 | 2385.28833 | 3383.29053 |
| 3362.0 | 0.0002973 | 2385.55518 | 3348.10303 |
| 3258.0 | 0.0003078 | 2385.82007 | 3314.95654 |
| 3235.0 | 0.0003078 | 2386.08325 | 3283.93433 |
| 3238.0 | 0.0003078 | 2386.34473 | 3255.08667 |
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| 3121.0 | 0.0003189 | 2387.11841 | 3181.68579 |
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| 3055.0 | 0.0003306 | 2389.57935 | 3045.80054 |
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| 2898.0 | 0.0003429 | 2390.04980 | 3027.36108 |
| 2969.0 | 0.0003429 | 2390.28198 | 3017.72168 |
| 2942.0 | 0.0003429 | 2390.51245 | 3007.69531 |
| 2875.0 | 0.0003429 | 2390.74121 | 2997.17920 |
| 2918.0 | 0.0003429 | 2390.96802 | 2986.11548 |
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| 2845.0 | 0.000356 | 2391.41626 | 2962.31812 |
| 2816.0 | 0.000356 | 2391.63745 | 2949.66138 |
| 2768.0 | 0.000356 | 2391.85693 | 2936.60303 |
| 2754.0 | 0.000370 | 2392.07446 | 2923.01538 |
| 2732.0 | 0.000370 | 2392.29004 | 2909.49194 |
| 2714.0 | 0.000370 | 2392.50391 | 2895.93091 |
| 2661.0 | 0.000370 | 2392.71582 | 2882.46533 |
| 2689.0 | 0.000370 | 2392.92578 | 2869.22925 |
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| 2646.0 | 0.000384 | 2393.34009 | 2843.94312 |
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| 2567.0 | 0.000384 | 2394.14624 | 2801.30151 |
| 2541.0 | 0.000400 | 2394.34302 | 2792.56226 |
| 2474.0 | 0.000400 | 2394.53809 | 2784.71899 |
| 2525.0 | 0.000400 | 2394.73096 | 2777.79517 |
| 2544.0 | 0.000400 | 2394.92212 | 2771.80347 |
| 2534.0 | 0.000400 | 2395.11133 | 2766.52930 |
| 2501.0 | 0.000400 | 2395.29858 | 2762.37378 |
| 2594.0 | 0.000384 | 2395.48389 | 2759.09619 |
| 2436.0 | 0.000416 | 2395.66724 | 2756.65601 |
| 2537.0 | 0.000400 | 2395.84888 | 2754.99536 |
| 2442.0 | 0.000416 | 2396.02832 | 2754.04663 |
| 2444.0 | 0.000416 | 2396.20605 | 2753.73291 |
| 2501.0 | 0.000400 | 2396.38184 | 2753.95703 |
| 2478.0 | 0.000400 | 2396.55566 | 2754.61987 |
| 2493.0 | 0.000400 | 2396.72754 | 2755.61304 |
| 2569.0 | 0.000384 | 2396.89746 | 2756.82495 |
| 2530.0 | 0.000400 | 2397.06543 | 2758.13672 |
| 2535.0 | 0.000400 | 2397.23145 | 2758.32788 |
| 2543.0 | 0.000400 | 2397.39551 | 2759.51270 |
| 2494.0 | 0.000400 | 2397.55786 | 2760.48120 |
| 2497.0 | 0.000400 | 2397.71802 | 2761.14966 |
| 2548.0 | 0.000400 | 2397.87622 | 2761.45605 |
| 2615.0 | 0.000384 | 2398.03271 | 2761.34399 |
| 2589.0 | 0.000384 | 2398.18701 | 2760.78369 |
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| 2628.0 | 0.000384 | 2398.63867 | 2756.32617 |
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| 2635.0 | 0.000384 | 2399.48877 | 2736.30469 |
| 2611.0 | 0.000384 | 2399.62354 | 2731.81421 |
| 2602.0 | 0.000384 | 2399.75635 | 2727.06982 |
| 2479.0 | 0.000400 | 2399.88721 | 2722.11157 |
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| 2528.0 | 0.000400 | 2400.14307 | 2711.73633 |
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| 2493.0 | 0.000400 | 2401.08716 | 2674.31299 |
| 2549.0 | 0.000400 | 2401.19629 | 2671.41992 |
| 2463.0 | 0.000400 | 2401.30347 | 2669.18628 |
| 2484.0 | 0.000400 | 2401.40869 | 2667.68164 |
| 2460.0 | 0.000400 | 2401.51172 | 2666.96997 |
| 2562.0 | 0.000384 | 2401.61304 | 2667.11768 |
| 2501.0 | 0.000400 | 2401.71216 | 2668.17993 |
| 2489.0 | 0.000400 | 2401.80933 | 2670.21655 |
| 2456.0 | 0.000400 | 2401.90454 | 2673.28223 |
| 2547.0 | 0.000400 | 2401.99780 | 2677.43359 |
| 2479.0 | 0.000400 | 2402.08887 | 2682.72461 |
| 2586.0 | 0.000384 | 2402.17798 | 2689.20728 |
| 2521.0 | 0.000400 | 2402.26514 | 2696.93506 |
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| 2584.0 | 0.000384 | 2402.51489 | 2728.12964 |
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| 2666.0 | 0.000370 | 2402.81982 | 2790.30811 |
| 2678.0 | 0.000370 | 2402.89111 | 2809.83691 |
| 2685.0 | 0.000370 | 2402.96021 | 2831.03613 |
| 2708.0 | 0.000370 | 2403.02759 | 2853.93579 |
| 2757.0 | 0.000356 | 2403.09277 | 2878.55371 |
| 2780.0 | 0.000356 | 2403.15601 | 2904.90088 |
| 2807.0 | 0.000356 | 2403.21704 | 2932.97852 |
| 2856.0 | 0.000356 | 2403.27637 | 2962.77100 |
| 2831.0 | 0.000356 | 2403.33350 | 2994.24512 |
| 2889.0 | 0.0003429 | 2403.38892 | 3027.35156 |
| 2900.0 | 0.0003429 | 2403.44189 | 3062.01074 |
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| 3057.0 | 0.0003306 | 2403.54248 | 3135.55835 |
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| 3959.0 | 0.0002520 | 2403.99976 | 3633.20313 |
| 4026.0 | 0.0002520 | 2404.02100 | 3660.62354 |
| 4121.0 | 0.0002441 | 2404.04004 | 3684.52979 |
| 4031.0 | 0.0002520 | 2404.05737 | 3704.58154 |
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| 4105.0 | 0.0002441 | 2404.10596 | 3742.01172 |
| 4047.0 | 0.0002441 | 2404.11304 | 3740.32202 |
| 3974.0 | 0.0002520 | 2404.11841 | 3734.50269 |
| 3955.0 | 0.0002520 | 2404.12158 | 3724.51074 |
| 3897.0 | 0.0002601 | 2404.12280 | 3710.70142 |
| 3861.0 | 0.0002601 | 2404.12183 | 3693.43237 |
| 3790.0 | 0.0002601 | 2404.11914 | 3672.84937 |
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| 3549.0 | 0.0002778 | 2404.08789 | 3564.99780 |
| 3537.0 | 0.0002873 | 2404.07520 | 3533.54492 |
| 3490.0 | 0.0002873 | 2404.06055 | 3501.10840 |
| 3389.0 | 0.0002973 | 2404.04370 | 3468.10034 |
| 3316.0 | 0.0002973 | 2404.02515 | 3434.93579 |
| 3252.0 | 0.0003078 | 2404.00439 | 3402.01636 |
| 3287.0 | 0.0003078 | 2403.98169 | 3369.72314 |
| 3167.0 | 0.0003189 | 2403.95703 | 3338.41406 |
| 3147.0 | 0.0003189 | 2403.93042 | 3308.45923 |
| 3043.0 | 0.0003306 | 2403.90186 | 3280.05713 |
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| 2860.0 | 0.000356 | 2403.76758 | 3186.63257 |
| 2972.0 | 0.0003306 | 2403.72900 | 3168.88086 |
| 2925.0 | 0.0003429 | 2403.68848 | 3153.44165 |
| 2842.0 | 0.000356 | 2403.64624 | 3140.25537 |
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| 2929.0 | 0.0003429 | 2403.35034 | 3100.29346 |
| 2969.0 | 0.0003429 | 2403.29395 | 3098.15894 |
| 2930.0 | 0.0003429 | 2403.23584 | 3096.62134 |
| 2939.0 | 0.0003429 | 2403.17578 | 3095.39014 |
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| 2899.0 | 0.0003429 | 2403.04980 | 3092.68896 |
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| 3049.0 | 0.0003306 | 2402.91602 | 3087.88599 |
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| 2994.0 | 0.0003306 | 2402.54736 | 3054.39868 |
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| 2870.0 | 0.0003429 | 2401.95020 | 2947.64063 |
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| 2815.0 | 0.000356 | 2401.76245 | 2909.31689 |
| 2737.0 | 0.000370 | 2401.66553 | 2890.03906 |
| 2786.0 | 0.000356 | 2401.56665 | 2871.08643 |
| 2833.0 | 0.000356 | 2401.46606 | 2852.22266 |
| 2811.0 | 0.000356 | 2401.36353 | 2833.88232 |
| 2766.0 | 0.000356 | 2401.25903 | 2816.22437 |
| 2771.0 | 0.000356 | 2401.15283 | 2799.38892 |
| 2672.0 | 0.000370 | 2401.04443 | 2783.49268 |
| 2635.0 | 0.000384 | 2400.93433 | 2768.63403 |
| 2679.0 | 0.000370 | 2400.82227 | 2754.88745 |
| 2663.0 | 0.000370 | 2400.70825 | 2742.31665 |
| 2621.0 | 0.000384 | 2400.59253 | 2730.95874 |
| 2667.0 | 0.000370 | 2400.47485 | 2720.84424 |
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| 2579.0 | 0.000384 | 2400.23389 | 2704.81177 |
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| 2587.0 | 0.000384 | 2399.85815 | 2689.17920 |
| 2586.0 | 0.000384 | 2399.72925 | 2686.23364 |
| 2645.0 | 0.000384 | 2399.59839 | 2684.32495 |
| 2461.0 | 0.000400 | 2399.46582 | 2683.38159 |
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| 2424.0 | 0.000416 | 2399.19507 | 2684.06836 |
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| 2534.0 | 0.000400 | 2398.77490 | 2690.28784 |
| 2521.0 | 0.000400 | 2398.63110 | 2693.29175 |
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| 2569.0 | 0.000384 | 2398.33813 | 2700.02100 |
| 2557.0 | 0.000384 | 2398.18872 | 2703.58838 |
| 2634.0 | 0.000384 | 2398.03784 | 2707.17773 |
| 2589.0 | 0.000384 | 2397.88477 | 2710.79663 |
| 2726.0 | 0.000370 | 2397.73022 | 2714.22827 |
| 2551.0 | 0.000384 | 2397.57349 | 2717.52124 |
| 2540.0 | 0.000400 | 2397.41528 | 2720.76074 |
| 2572.0 | 0.000384 | 2397.25513 | 2723.74927 |
| 2676.0 | 0.000370 | 2397.09326 | 2726.60449 |
| 2557.0 | 0.000384 | 2396.92944 | 2729.36719 |
| 2601.0 | 0.000384 | 2396.76392 | 2732.49731 |
| 2636.0 | 0.000384 | 2396.59644 | 2735.21436 |
| 2722.0 | 0.000370 | 2396.42749 | 2737.98584 |
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| 2651.0 | 0.000384 | 2396.08374 | 2743.61108 |
| 2653.0 | 0.000370 | 2395.90942 | 2746.81226 |
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| 2647.0 | 0.000384 | 2395.55518 | 2753.83521 |
| 2723.0 | 0.000370 | 2395.37524 | 2757.66138 |
| 2729.0 | 0.000370 | 2395.19360 | 2761.68896 |
| 2758.0 | 0.000356 | 2395.01025 | 2765.88379 |
| 2762.0 | 0.000356 | 2394.82520 | 2770.20752 |
| 2664.0 | 0.000370 | 2394.63843 | 2774.60742 |
| 2792.0 | 0.000356 | 2394.44995 | 2779.02417 |
| 2765.0 | 0.000356 | 2394.25952 | 2783.39258 |
| 2729.0 | 0.000370 | 2394.06763 | 2787.64160 |
| 2759.0 | 0.000356 | 2393.87378 | 2791.70020 |
| 2760.0 | 0.000356 | 2393.67822 | 2795.50244 |
| 2814.0 | 0.000356 | 2393.48096 | 2798.98730 |
| 2861.0 | 0.000356 | 2393.28198 | 2802.10449 |
| 2740.0 | 0.000370 | 2393.08154 | 2804.82275 |
| 2820.0 | 0.000356 | 2392.87915 | 2807.25293 |
| 2662.0 | 0.000370 | 2392.67505 | 2809.13477 |
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| 2691.0 | 0.000370 | 2392.26172 | 2811.58862 |
| 2881.0 | 0.0003429 | 2392.05249 | 2812.39648 |
| 2743.0 | 0.000370 | 2391.84155 | 2812.95801 |
| 2742.0 | 0.000370 | 2391.62915 | 2813.34033 |
| 2777.0 | 0.000356 | 2391.41479 | 2813.86865 |
| 2688.0 | 0.000370 | 2391.19897 | 2814.11865 |
| 2630.0 | 0.000384 | 2390.98145 | 2814.40796 |
| 2731.0 | 0.000370 | 2390.76221 | 2814.80249 |
| 2622.0 | 0.000384 | 2390.54126 | 2815.36304 |
| 2710.0 | 0.000370 | 2390.31860 | 2816.13599 |
| 2669.0 | 0.000370 | 2390.09448 | 2817.17017 |
| 2692.0 | 0.000370 | 2389.86865 | 2818.50049 |
| 2799.0 | 0.000356 | 2389.64111 | 2820.15674 |
| 2749.0 | 0.000370 | 2389.41187 | 2822.15723 |
| 2719.0 | 0.000370 | 2389.18115 | 2824.50806 |
| 2750.0 | 0.000370 | 2388.94873 | 2827.20410 |
| 2689.0 | 0.000370 | 2388.71460 | 2830.44922 |
| 2664.0 | 0.000370 | 2388.47900 | 2833.75903 |
| 2610.0 | 0.000384 | 2388.24170 | 2837.30200 |
| 2789.0 | 0.000356 | 2388.00293 | 2841.00562 |
| 2660.0 | 0.000370 | 2387.76245 | 2844.77734 |
| 2805.0 | 0.000356 | 2387.52026 | 2848.51514 |
| 2891.0 | 0.0003429 | 2387.27686 | 2852.10645 |
| 2856.0 | 0.000356 | 2387.03149 | 2855.42212 |
| 2840.0 | 0.000356 | 2386.78467 | 2858.58838 |
| 2817.0 | 0.000356 | 2386.53613 | 2860.98975 |
| 2793.0 | 0.000356 | 2386.28613 | 2862.76489 |
| 2792.0 | 0.000356 | 2386.03467 | 2863.82617 |
| 2848.0 | 0.000356 | 2385.78149 | 2864.11133 |
| 2809.0 | 0.000356 | 2385.52710 | 2863.58545 |
| 2718.0 | 0.000370 | 2385.27075 | 2862.30273 |
| 2828.0 | 0.000356 | 2385.01294 | 2860.17969 |
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| 2781.0 | 0.000356 | 2384.49292 | 2854.43237 |

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| 2769.0 | 0.000356 | 2384.23047 | 2850.39795 |
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| 2801.0 | 0.000356 | 2383.43433 | 2836.20288 |
| 2772.0 | 0.000356 | 2383.16602 | 2831.19434 |
| 2695.0 | 0.000370 | 2382.89600 | 2826.26416 |
| 2662.0 | 0.000370 | 2382.62451 | 2821.53638 |
| 2759.0 | 0.000356 | 2382.35156 | 2817.13770 |
| 2835.0 | 0.000356 | 2382.07715 | 2813.52295 |
| 2677.0 | 0.000370 | 2381.80127 | 2810.15698 |
| 2700.0 | 0.000370 | 2381.52393 | 2807.49536 |
| 2737.0 | 0.000370 | 2381.24512 | 2805.65796 |
| 2699.0 | 0.000370 | 2380.96484 | 2804.77002 |
| 2761.0 | 0.000356 | 2380.68335 | 2804.95605 |
| 2727.0 | 0.000370 | 2380.39990 | 2806.71826 |
| 2654.0 | 0.000370 | 2380.11548 | 2809.40991 |
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| 2706.0 | 0.000370 | 2379.54175 | 2819.16162 |
| 2631.0 | 0.000384 | 2379.25293 | 2826.42725 |
| 2529.0 | 0.000400 | 2378.96265 | 2835.40503 |
| 2710.0 | 0.000370 | 2378.67090 | 2846.16577 |
| 2702.0 | 0.000370 | 2378.37769 | 2858.77466 |
| 2638.0 | 0.000384 | 2378.08325 | 2873.26831 |
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| 2809.0 | 0.000356 | 2377.48999 | 2907.99976 |
| 2642.0 | 0.000384 | 2377.19116 | 2928.22876 |
| 2842.0 | 0.000356 | 2376.89111 | 2950.45264 |
| 2796.0 | 0.000356 | 2376.58960 | 2974.66846 |
| 2814.0 | 0.000356 | 2376.28662 | 3000.30518 |
| 2799.0 | 0.000356 | 2375.98267 | 3027.56201 |
| 2904.0 | 0.0003429 | 2375.67700 | 3056.31177 |
| 2961.0 | 0.0003429 | 2375.37012 | 3086.39990 |
| 2906.0 | 0.0003429 | 2375.06177 | 3117.64673 |
| 3025.0 | 0.0003306 | 2374.75220 | 3149.84790 |
| 3024.0 | 0.0003306 | 2374.44141 | 3182.77832 |
| 3047.0 | 0.0003306 | 2374.12915 | 3216.18555 |
| 3129.0 | 0.0003189 | 2373.81543 | 3249.99390 |
| 3113.0 | 0.0003189 | 2373.50073 | 3283.56006 |
| 3136.0 | 0.0003189 | 2373.18457 | 3316.78955 |
| 3215.0 | 0.0003078 | 2372.86719 | 3349.40430 |
| 3268.0 | 0.0003078 | 2372.54834 | 3381.19019 |
| 3311.0 | 0.0002973 | 2372.22827 | 3411.82910 |
| 3382.0 | 0.0002973 | 2371.90723 | 3441.15967 |
| 3451.0 | 0.0002873 | 2371.58447 | 3469.03345 |
| 3584.0 | 0.0002778 | 2371.26074 | 3495.29834 |
| 3631.0 | 0.0002778 | 2370.93579 | 3519.88647 |
| 3594.0 | 0.0002778 | 2370.60938 | 3543.37183 |
| 3721.0 | 0.0002687 | 2370.28174 | 3564.52783 |
| 3692.0 | 0.0002687 | 2369.95288 | 3584.06299 |
| 3728.0 | 0.0002687 | 2369.62305 | 3601.86060 |
| 3738.0 | 0.0002687 | 2369.29175 | 3618.04834 |
| 3878.0 | 0.0002601 | 2368.95923 | 3632.70776 |
| 3937.0 | 0.0002520 | 2368.62549 | 3645.84106 |
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| 3887.0 | 0.0002601 | 2367.95459 | 3667.71362 |
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| 3926.0 | 0.0002520 | 2367.27905 | 3684.06714 |
| 3918.0 | 0.0002520 | 2366.93921 | 3690.19263 |
| 3961.0 | 0.0002520 | 2366.59863 | 3694.94873 |
| 3874.0 | 0.0002601 | 2366.25659 | 3698.33447 |
| 4014.0 | 0.0002520 | 2365.91333 | 3700.32886 |
| 3912.0 | 0.0002520 | 2365.56909 | 3700.89673 |
| 3918.0 | 0.0002520 | 2365.22388 | 3700.00342 |
| 3856.0 | 0.0002601 | 2364.87720 | 3697.58984 |
| 3754.0 | 0.0002687 | 2364.52954 | 3693.59619 |
| 3819.0 | 0.0002601 | 2364.18091 | 3687.55566 |
| 3736.0 | 0.0002687 | 2363.83081 | 3680.20239 |
| 3660.0 | 0.0002687 | 2363.47998 | 3671.07617 |
| 3670.0 | 0.0002687 | 2363.12793 | 3660.12305 |
| 3622.0 | 0.0002778 | 2362.77466 | 3647.41895 |
| 3569.0 | 0.0002778 | 2362.42041 | 3632.74414 |
| 3515.0 | 0.0002873 | 2362.06519 | 3616.21045 |
| 3529.0 | 0.0002873 | 2361.70874 | 3597.85327 |
| 3474.0 | 0.0002873 | 2361.35107 | 3577.72314 |
| 3430.0 | 0.0002873 | 2360.99268 | 3555.91553 |
| 3368.0 | 0.0002973 | 2360.63306 | 3532.50952 |
| 3347.0 | 0.0002973 | 2360.27246 | 3507.64600 |
| 3307.0 | 0.0002973 | 2359.91089 | 3481.47778 |
| 3301.0 | 0.0003078 | 2359.54810 | 3454.17993 |
| 3286.0 | 0.0003078 | 2359.18457 | 3425.94580 |
| 3211.0 | 0.0003078 | 2358.81982 | 3396.97583 |
| 3277.0 | 0.0003078 | 2358.45410 | 3367.47363 |
| 3200.0 | 0.0003078 | 2358.08740 | 3337.64331 |
| 3104.0 | 0.0003189 | 2357.71973 | 3307.67261 |
| 3155.0 | 0.0003189 | 2357.35083 | 3277.84814 |
| 3090.0 | 0.0003189 | 2356.98145 | 3248.08545 |
| 3092.0 | 0.0003189 | 2356.61060 | 3218.61768 |
| 3041.0 | 0.0003306 | 2356.23901 | 3189.54639 |
| 2999.0 | 0.0003306 | 2355.86670 | 3160.93555 |
| 3004.0 | 0.0003306 | 2355.49316 | 3132.82983 |
| 2967.0 | 0.0003429 | 2355.11865 | 3105.42188 |
| 2937.0 | 0.0003429 | 2354.74341 | 3078.38696 |
| 2960.0 | 0.0003429 | 2354.36719 | 3051.87964 |
| 3021.0 | 0.0003306 | 2353.98975 | 3025.89941 |
| 2963.0 | 0.0003429 | 2353.61182 | 3000.47217 |
| 2949.0 | 0.0003429 | 2353.23291 | 2975.46118 |
| 2866.0 | 0.0003429 | 2352.85303 | 2950.91821 |
| 2897.0 | 0.0003429 | 2352.47217 | 2926.83496 |
| 2907.0 | 0.0003429 | 2352.09058 | 2903.21240 |
| 2902.0 | 0.0003429 | 2351.70801 | 2880.06836 |
| 2925.0 | 0.0003429 | 2351.32471 | 2857.42090 |
| 2811.0 | 0.000356 | 2350.94043 | 2835.30054 |
| 2957.0 | 0.0003429 | 2350.55542 | 2813.74121 |
| 2826.0 | 0.000356 | 2350.16943 | 2792.78320 |
| 2773.0 | 0.000356 | 2349.78271 | 2772.46094 |
| 2791.0 | 0.000356 | 2349.39526 | 2752.81860 |
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| 2673.0 | 0.000370 | 2348.61768 | 2715.68237 |

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| 2719.0 | 0.000370 | 2348.22754 | 2698.24097 |
| 2663.0 | 0.000370 | 2347.83667 | 2681.57495 |
| 2670.0 | 0.000370 | 2347.44531 | 2665.69653 |
| 2714.0 | 0.000370 | 2347.05298 | 2650.61182 |
| 2614.0 | 0.000384 | 2346.65991 | 2636.32349 |
| 2573.0 | 0.000384 | 2346.26611 | 2622.83203 |
| 2582.0 | 0.000384 | 2345.87134 | 2610.12964 |
| 2514.0 | 0.000400 | 2345.47607 | 2598.21582 |
| 2471.0 | 0.000400 | 2345.07983 | 2587.07642 |
| 2481.0 | 0.000400 | 2344.68311 | 2576.70605 |
| 2453.0 | 0.000400 | 2344.28540 | 2567.09204 |
| 2442.0 | 0.000416 | 2343.88721 | 2558.22607 |
| 2448.0 | 0.000416 | 2343.48828 | 2550.09473 |
| 2414.0 | 0.000416 | 2343.08862 | 2542.68774 |
| 2442.0 | 0.000416 | 2342.68823 | 2536.08203 |
| 2409.0 | 0.000416 | 2342.28711 | 2530.30664 |
| 2424.0 | 0.000416 | 2341.88550 | 2524.99951 |
| 2384.0 | 0.000416 | 2341.48315 | 2520.37231 |
| 2419.0 | 0.000416 | 2341.08008 | 2516.41333 |
| 2426.0 | 0.000416 | 2340.67627 | 2513.10986 |
| 2372.0 | 0.000416 | 2340.27222 | 2510.45654 |
| 2309.0 | 0.000434 | 2339.86719 | 2508.44434 |
| 2375.0 | 0.000416 | 2339.46143 | 2507.06909 |
| 2359.0 | 0.000416 | 2339.05542 | 2506.32373 |
| 2399.0 | 0.000416 | 2338.64844 | 2506.20630 |
| 2356.0 | 0.000416 | 2338.24121 | 2506.71045 |
| 2327.0 | 0.000434 | 2337.83301 | 2508.07910 |
| 2302.0 | 0.000434 | 2337.42456 | 2509.82617 |
| 2331.0 | 0.000434 | 2337.01538 | 2512.19458 |
| 2314.0 | 0.000434 | 2336.60571 | 2515.18457 |
| 2360.0 | 0.000416 | 2336.19531 | 2518.79370 |
| 2384.0 | 0.000416 | 2335.78442 | 2523.02686 |
| 2358.0 | 0.000416 | 2335.37305 | 2527.88159 |
| 2344.0 | 0.000434 | 2334.96118 | 2533.35522 |
| 2335.0 | 0.000434 | 2334.54883 | 2539.44727 |
| 2405.0 | 0.000416 | 2334.13574 | 2546.15283 |
| 2376.0 | 0.000416 | 2333.72217 | 2553.62036 |
| 2428.0 | 0.000416 | 2333.30835 | 2561.53076 |
| 2390.0 | 0.000416 | 2332.89380 | 2570.02026 |
| 2388.0 | 0.000416 | 2332.47900 | 2579.07446 |
| 2379.0 | 0.000416 | 2332.06348 | 2588.66797 |
| 2468.0 | 0.000400 | 2331.64746 | 2598.77368 |
| 2389.0 | 0.000416 | 2331.23096 | 2609.34839 |
| 2422.0 | 0.000416 | 2330.81421 | 2620.35352 |
| 2395.0 | 0.000416 | 2330.39697 | 2631.73560 |
| 2472.0 | 0.000400 | 2329.97925 | 2643.43652 |
| 2514.0 | 0.000400 | 2329.56128 | 2655.38892 |
| 2407.0 | 0.000416 | 2329.14258 | 2667.51440 |
| 2436.0 | 0.000416 | 2328.72363 | 2679.72803 |
| 2489.0 | 0.000400 | 2328.30420 | 2691.93481 |
| 2540.0 | 0.000400 | 2327.88452 | 2704.03931 |
| 2563.0 | 0.000384 | 2327.46411 | 2715.93286 |
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| 2646.0 | 0.000384 | 2324.93555 | 2777.04614 |
| 2567.0 | 0.000384 | 2324.51294 | 2784.65454 |
| 2577.0 | 0.000384 | 2324.09009 | 2791.33521 |
| 2602.0 | 0.000384 | 2323.66675 | 2797.04688 |
| 2612.0 | 0.000384 | 2323.24316 | 2801.75464 |
| 2602.0 | 0.000384 | 2322.81934 | 2805.43506 |
| 2711.0 | 0.000370 | 2322.39502 | 2808.07251 |
| 2661.0 | 0.000370 | 2321.97070 | 2809.65552 |
| 2655.0 | 0.000370 | 2321.54590 | 2810.17847 |
| 2681.0 | 0.000370 | 2321.12109 | 2809.64600 |
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| 2702.0 | 0.000370 | 2320.27026 | 2805.43896 |
| 2663.0 | 0.000370 | 2319.84448 | 2801.80249 |
| 2659.0 | 0.000370 | 2319.41870 | 2797.18237 |
| 2676.0 | 0.000370 | 2318.99268 | 2790.57129 |
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| 2686.0 | 0.000370 | 2318.13965 | 2776.87842 |
| 2632.0 | 0.000384 | 2317.71289 | 2768.87793 |
| 2646.0 | 0.000384 | 2317.28589 | 2760.21802 |
| 2632.0 | 0.000384 | 2316.85864 | 2750.98340 |
| 2678.0 | 0.000370 | 2316.43140 | 2741.26855 |
| 2667.0 | 0.000370 | 2316.00391 | 2731.16479 |
| 2659.0 | 0.000370 | 2315.57642 | 2720.78638 |
| 2585.0 | 0.000384 | 2315.14868 | 2710.18628 |
| 2579.0 | 0.000384 | 2314.72070 | 2699.47388 |
| 2565.0 | 0.000384 | 2314.29272 | 2688.73657 |
| 2592.0 | 0.000384 | 2313.86450 | 2678.05737 |
| 2581.0 | 0.000384 | 2313.43628 | 2667.52344 |
| 2556.0 | 0.000384 | 2313.00781 | 2657.21484 |
| 2579.0 | 0.000384 | 2312.57959 | 2647.21484 |
| 2568.0 | 0.000384 | 2312.15112 | 2637.60547 |
| 2608.0 | 0.000384 | 2311.72241 | 2628.46436 |
| 2579.0 | 0.000384 | 2311.29370 | 2619.87915 |
| 2517.0 | 0.000400 | 2310.86499 | 2611.92090 |
| 2527.0 | 0.000400 | 2310.43628 | 2604.67114 |
| 2438.0 | 0.000416 | 2310.00732 | 2598.19336 |
| 2392.0 | 0.000416 | 2309.57861 | 2592.58398 |
| 2464.0 | 0.000400 | 2309.14966 | 2587.85742 |
| 2489.0 | 0.000400 | 2308.72070 | 2584.09302 |
| 2429.0 | 0.000416 | 2308.29199 | 2581.33838 |
| 2541.0 | 0.000400 | 2307.86279 | 2579.82056 |
| 2483.0 | 0.000400 | 2307.43408 | 2579.19946 |
| 2509.0 | 0.000400 | 2307.00513 | 2579.68433 |
| 2485.0 | 0.000400 | 2306.57617 | 2581.29028 |
| 2511.0 | 0.000400 | 2306.14746 | 2583.45068 |
| 2504.0 | 0.000400 | 2305.71851 | 2587.31250 |
| 2534.0 | 0.000400 | 2305.28979 | 2592.27905 |
| 2505.0 | 0.000400 | 2304.86108 | 2598.33228 |
| 2558.0 | 0.000384 | 2304.43262 | 2605.43506 |
| 2568.0 | 0.000384 | 2304.00391 | 2613.53882 |
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| 2624.0 | 0.000384 | 2302.71899 | 2643.10278 |
| 2666.0 | 0.000370 | 2302.29077 | 2654.55518 |
| 2621.0 | 0.000384 | 2301.86279 | 2666.62695 |
| 2620.0 | 0.000384 | 2301.43481 | 2679.21167 |
| 2637.0 | 0.000384 | 2301.00708 | 2692.19482 |
| 2694.0 | 0.000370 | 2300.57959 | 2705.45483 |
| 2678.0 | 0.000370 | 2300.15186 | 2718.86597 |
| 2733.0 | 0.000370 | 2299.72461 | 2732.30029 |
| 2746.0 | 0.000370 | 2299.29736 | 2745.62866 |
| 2806.0 | 0.000356 | 2298.87061 | 2758.73218 |
| 2727.0 | 0.000370 | 2298.44360 | 2771.49512 |
| 2744.0 | 0.000370 | 2298.01709 | 2783.82349 |
| 2775.0 | 0.000356 | 2297.59082 | 2795.63574 |
| 2889.0 | 0.0003429 | 2297.16455 | 2806.87817 |
| 2874.0 | 0.0003429 | 2296.73853 | 2817.50928 |
| 2850.0 | 0.000356 | 2296.31274 | 2827.52246 |
| 2942.0 | 0.0003429 | 2295.88721 | 2836.92114 |
| 2991.0 | 0.0003306 | 2295.46191 | 2845.73096 |
| 2926.0 | 0.0003429 | 2295.03687 | 2853.98657 |
| 2891.0 | 0.0003429 | 2294.61206 | 2861.72778 |
| 2957.0 | 0.0003429 | 2294.18774 | 2868.99902 |
| 2914.0 | 0.0003429 | 2293.76367 | 2875.83154 |
| 2920.0 | 0.0003429 | 2293.33960 | 2882.25366 |
| 3052.0 | 0.0003306 | 2292.91602 | 2888.28027 |
| 2997.0 | 0.0003306 | 2292.49268 | 2893.62085 |
| 3056.0 | 0.0003306 | 2292.06958 | 2898.83252 |
| 3001.0 | 0.0003306 | 2291.64697 | 2903.59351 |
| 3065.0 | 0.0003306 | 2291.22461 | 2907.87280 |
| 3053.0 | 0.0003306 | 2290.80249 | 2911.57666 |
| 3099.0 | 0.0003189 | 2290.38086 | 2914.66040 |
| 3031.0 | 0.0003306 | 2289.95947 | 2917.05566 |
| 3059.0 | 0.0003306 | 2289.53833 | 2918.70874 |
| 3171.0 | 0.0003189 | 2289.11792 | 2919.57178 |
| 3116.0 | 0.0003189 | 2288.69751 | 2919.61841 |
| 2997.0 | 0.0003306 | 2288.27783 | 2918.84766 |
| 3110.0 | 0.0003189 | 2287.85815 | 2917.28271 |
| 3001.0 | 0.0003306 | 2287.43921 | 2914.97485 |
| 2977.0 | 0.0003306 | 2287.02051 | 2912.02173 |
| 3040.0 | 0.0003306 | 2286.60229 | 2908.45874 |
| 3010.0 | 0.0003306 | 2286.18457 | 2904.42114 |
| 2906.0 | 0.0003429 | 2285.76709 | 2900.01904 |
| 3006.0 | 0.0003306 | 2285.35010 | 2895.37329 |
| 2847.0 | 0.000356 | 2284.93359 | 2890.60132 |
| 2901.0 | 0.0003429 | 2284.51758 | 2885.82324 |
| 2804.0 | 0.000356 | 2284.10181 | 2881.15454 |
| 2800.0 | 0.000356 | 2283.68677 | 2876.70605 |
| 2824.0 | 0.000356 | 2283.27222 | 2872.58423 |
| 2851.0 | 0.000356 | 2282.85815 | 2868.89746 |
| 2822.0 | 0.000356 | 2282.44458 | 2865.75024 |
| 2820.0 | 0.000356 | 2282.03125 | 2863.23779 |
| 2767.0 | 0.000356 | 2281.61865 | 2861.45850 |
| 2826.0 | 0.000356 | 2281.20654 | 2860.49829 |
| 2782.0 | 0.000356 | 2280.79517 | 2860.44434 |

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| 2858.0 | 0.000356 | 2280.38403 | 2861.36548 |
| 2777.0 | 0.000356 | 2279.97363 | 2863.33765 |
| 2812.0 | 0.000356 | 2279.56372 | 2866.41650 |
| 2917.0 | 0.0003429 | 2279.15430 | 2870.64526 |
| 2862.0 | 0.000356 | 2278.74561 | 2876.06494 |
| 2917.0 | 0.0003429 | 2278.33716 | 2882.70972 |
| 2891.0 | 0.0003429 | 2277.92969 | 2890.69971 |
| 2802.0 | 0.000356 | 2277.52246 | 2899.86304 |
| 2806.0 | 0.000356 | 2277.11621 | 2910.31470 |
| 2887.0 | 0.0003429 | 2276.71045 | 2922.07642 |
| 2962.0 | 0.0003429 | 2276.30518 | 2935.17065 |
| 2937.0 | 0.0003429 | 2275.90063 | 2949.62939 |
| 2879.0 | 0.0003429 | 2275.49658 | 2965.49878 |
| 2946.0 | 0.0003429 | 2275.09351 | 2982.83276 |
| 3049.0 | 0.0003306 | 2274.69067 | 3001.69751 |
| 3019.0 | 0.0003306 | 2274.28882 | 3022.17480 |
| 2951.0 | 0.0003429 | 2273.88745 | 3044.43433 |
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| 3161.0 | 0.0003189 | 2273.08691 | 3094.32837 |
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| 3125.0 | 0.0003189 | 2272.28882 | 3152.36572 |
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| 3274.0 | 0.0003078 | 2271.49390 | 3219.30786 |
| 3256.0 | 0.0003078 | 2271.09741 | 3256.34644 |
| 3278.0 | 0.0003078 | 2270.70166 | 3295.83643 |
| 3390.0 | 0.0002973 | 2270.30688 | 3337.80493 |
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| 3754.0 | 0.0002687 | 2267.17407 | 3752.10327 |
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| 4165.0 | 0.0002367 | 2265.24219 | 4040.06763 |
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| 4516.0 | 0.0002228 | 2260.31934 | 4396.06934 |
| 4630.0 | 0.0002163 | 2259.94727 | 4385.59521 |
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| 4163.0 | 0.0002367 | 2257.00293 | 4160.33105 |
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| 3294.0 | 0.0003078 | 2248.23120 | 3368.45435 |
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| 3382.0 | 0.0002973 | 2246.23022 | 3349.42139 |
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| 4635.0 | 0.0002163 | 2237.48828 | 4182.89209 |
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| 4443.0 | 0.0002228 | 2236.32422 | 4277.20215 |
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| 3200.0 | 0.0003078 | 2211.41919 | 2924.83350 |
| 3217.0 | 0.0003078 | 2211.47461 | 2930.52002 |
| 3181.0 | 0.0003189 | 2211.53174 | 2934.61865 |
| 3092.0 | 0.0003189 | 2211.59058 | 2937.03540 |
| 3141.0 | 0.0003189 | 2211.65112 | 2937.86743 |
| 3014.0 | 0.0003306 | 2211.71313 | 2936.60791 |
| 3052.0 | 0.0003306 | 2211.77710 | 2933.53101 |
| 3014.0 | 0.0003306 | 2211.84253 | 2928.75732 |
| 3117.0 | 0.0003189 | 2211.90991 | 2921.98706 |
| 3021.0 | 0.0003306 | 2211.97876 | 2913.49805 |
| 2967.0 | 0.0003429 | 2212.04907 | 2903.55420 |
| 2983.0 | 0.0003306 | 2212.12134 | 2892.02075 |
| 3036.0 | 0.0003306 | 2212.19507 | 2879.08618 |
| 3003.0 | 0.0003306 | 2212.27075 | 2864.95068 |
| 2956.0 | 0.0003429 | 2212.34790 | 2849.75635 |
| 2881.0 | 0.0003429 | 2212.42651 | 2833.65283 |
| 2906.0 | 0.0003429 | 2212.50684 | 2816.86572 |
| 2854.0 | 0.000356 | 2212.58911 | 2799.36450 |
| 2916.0 | 0.0003429 | 2212.67261 | 2781.36108 |
| 2792.0 | 0.000356 | 2212.75806 | 2762.97827 |
| 2767.0 | 0.000356 | 2212.84497 | 2744.36865 |
| 2885.0 | 0.0003429 | 2212.93335 | 2725.56567 |
| 2690.0 | 0.000370 | 2213.02368 | 2706.70996 |
| 2700.0 | 0.000370 | 2213.11548 | 2687.90015 |
| 2672.0 | 0.000370 | 2213.20874 | 2669.22656 |
| 2681.0 | 0.000370 | 2213.30371 | 2650.78198 |
| 2722.0 | 0.000370 | 2213.40039 | 2632.63965 |
| 2631.0 | 0.000384 | 2213.49854 | 2614.87476 |
| 2576.0 | 0.000384 | 2213.59839 | 2597.55005 |
| 2557.0 | 0.000384 | 2213.69971 | 2580.72217 |
| 2524.0 | 0.000400 | 2213.80273 | 2564.43579 |
| 2571.0 | 0.000384 | 2213.90723 | 2548.72412 |
| 2507.0 | 0.000400 | 2214.01343 | 2533.61499 |
| 2535.0 | 0.000400 | 2214.12109 | 2519.12622 |
| 2570.0 | 0.000384 | 2214.23022 | 2505.26123 |
| 2479.0 | 0.000400 | 2214.34106 | 2492.02222 |
| 2478.0 | 0.000400 | 2214.45361 | 2479.40576 |
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| 2496.0 | 0.000400 | 2214.68286 | 2456.11157 |
| 2488.0 | 0.000400 | 2214.79980 | 2445.28369 |
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| 2371.0 | 0.000416 | 2215.03857 | 2425.38086 |
| 2464.0 | 0.000400 | 2215.16016 | 2416.19116 |
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| 2407.0 | 0.000416 | 2215.53418 | 2391.63477 |
| 2355.0 | 0.000416 | 2215.66211 | 2384.39819 |
| 2421.0 | 0.000416 | 2215.79126 | 2377.60962 |
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| 2356.0 | 0.000416 | 2216.32300 | 2354.66479 |
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| 2328.0 | 0.000434 | 2216.73755 | 2341.75415 |
| 2288.0 | 0.000434 | 2216.87842 | 2338.04590 |
| 2281.0 | 0.000434 | 2217.02100 | 2334.69775 |
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| 2308.0 | 0.000434 | 2217.31055 | 2328.83325 |
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| 2299.0 | 0.000434 | 2217.60571 | 2324.30933 |
| 2293.0 | 0.000434 | 2217.75562 | 2322.34082 |
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| 2325.0 | 0.000434 | 2218.05933 | 2319.14551 |
| 2312.0 | 0.000434 | 2218.21338 | 2317.89990 |
| 2226.0 | 0.000453 | 2218.36865 | 2316.87793 |
| 2223.0 | 0.000453 | 2218.52563 | 2316.07275 |
| 2247.0 | 0.000453 | 2218.68384 | 2315.47241 |
| 2217.0 | 0.000453 | 2218.84351 | 2315.07788 |
| 2253.0 | 0.000453 | 2219.00439 | 2314.87744 |
| 2251.0 | 0.000453 | 2219.16675 | 2314.86646 |
| 2284.0 | 0.000434 | 2219.33057 | 2315.04517 |
| 2239.0 | 0.000453 | 2219.49561 | 2315.55737 |
| 2216.0 | 0.000453 | 2219.66211 | 2316.09668 |
| 2220.0 | 0.000453 | 2219.83008 | 2316.81348 |
| 2269.0 | 0.000434 | 2219.99927 | 2317.70239 |
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| 2278.0 | 0.000434 | 2220.34155 | 2320.00171 |
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| 2238.0 | 0.000453 | 2220.86499 | 2324.73804 |
| 2296.0 | 0.000434 | 2221.04224 | 2326.66748 |
| 2208.0 | 0.000453 | 2221.22070 | 2328.77734 |
| 2282.0 | 0.000434 | 2221.40039 | 2331.10693 |
| 2236.0 | 0.000453 | 2221.58154 | 2333.59155 |
| 2250.0 | 0.000453 | 2221.76392 | 2336.27124 |
| 2247.0 | 0.000453 | 2221.94751 | 2339.35938 |
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| 2282.0 | 0.000434 | 2222.31836 | 2345.76978 |
| 2290.0 | 0.000434 | 2222.50586 | 2349.30859 |
| 2186.0 | 0.000453 | 2222.69458 | 2353.08105 |
| 2319.0 | 0.000434 | 2222.88428 | 2357.09204 |
| 2236.0 | 0.000453 | 2223.07544 | 2361.34937 |
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| 2252.0 | 0.000453 | 2224.85010 | 2410.42432 |
| 2279.0 | 0.000434 | 2225.05322 | 2416.85156 |
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| 2331.0 | 0.000434 | 2225.46313 | 2430.03027 |

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| 2268.0 | 0.000434 | 2225.66943 | 2436.70898 |
| 2313.0 | 0.000434 | 2225.87720 | 2443.43188 |
| 2310.0 | 0.000434 | 2226.08594 | 2450.08472 |
| 2319.0 | 0.000434 | 2226.29590 | 2456.70581 |
| 2399.0 | 0.000416 | 2226.50708 | 2463.13916 |
| 2440.0 | 0.000416 | 2226.71924 | 2469.38672 |
| 2506.0 | 0.000400 | 2226.93237 | 2475.39893 |
| 2427.0 | 0.000416 | 2227.14673 | 2481.12036 |
| 2470.0 | 0.000400 | 2227.36206 | 2486.50488 |
| 2488.0 | 0.000400 | 2227.57861 | 2491.66748 |
| 2458.0 | 0.000400 | 2227.79614 | 2496.14307 |
| 2483.0 | 0.000400 | 2228.01465 | 2500.26758 |
| 2435.0 | 0.000416 | 2228.23438 | 2503.90918 |
| 2509.0 | 0.000400 | 2228.45508 | 2507.05029 |
| 2448.0 | 0.000416 | 2228.67676 | 2509.68506 |
| 2561.0 | 0.000384 | 2228.89966 | 2511.81299 |
| 2488.0 | 0.000400 | 2229.12329 | 2513.44800 |
| 2480.0 | 0.000400 | 2229.34814 | 2514.59570 |
| 2381.0 | 0.000416 | 2229.57397 | 2515.27808 |
| 2535.0 | 0.000400 | 2229.80078 | 2515.52490 |
| 2551.0 | 0.000384 | 2230.02856 | 2515.36499 |
| 2539.0 | 0.000400 | 2230.25708 | 2514.82397 |
| 2429.0 | 0.000416 | 2230.48682 | 2513.36377 |
| 2380.0 | 0.000416 | 2230.71753 | 2512.16333 |
| 2455.0 | 0.000400 | 2230.94922 | 2510.67798 |
| 2438.0 | 0.000416 | 2231.18164 | 2508.94312 |
| 2444.0 | 0.000416 | 2231.41528 | 2506.98535 |
| 2469.0 | 0.000400 | 2231.64966 | 2504.83667 |
| 2367.0 | 0.000416 | 2231.88477 | 2502.57080 |
| 2469.0 | 0.000400 | 2232.12109 | 2500.12256 |
| 2459.0 | 0.000400 | 2232.35840 | 2497.56665 |
| 2419.0 | 0.000416 | 2232.59644 | 2494.92432 |
| 2482.0 | 0.000400 | 2232.83521 | 2492.22021 |
| 2466.0 | 0.000400 | 2233.07495 | 2489.48389 |
| 2451.0 | 0.000400 | 2233.31567 | 2486.73608 |
| 2368.0 | 0.000416 | 2233.55688 | 2484.00928 |
| 2488.0 | 0.000400 | 2233.79932 | 2481.33521 |
| 2505.0 | 0.000400 | 2234.04248 | 2478.75366 |
| 2405.0 | 0.000416 | 2234.28662 | 2476.30859 |
| 2458.0 | 0.000400 | 2234.53125 | 2474.04468 |
| 2399.0 | 0.000416 | 2234.77686 | 2472.02393 |
| 2361.0 | 0.000416 | 2235.02344 | 2470.30615 |
| 2361.0 | 0.000416 | 2235.27075 | 2468.95874 |
| 2376.0 | 0.000416 | 2235.51855 | 2468.05151 |
| 2346.0 | 0.000434 | 2235.76733 | 2467.66357 |
| 2446.0 | 0.000416 | 2236.01685 | 2467.87158 |
| 2302.0 | 0.000434 | 2236.26709 | 2468.75635 |
| 2314.0 | 0.000434 | 2236.51807 | 2470.40405 |
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| 2330.0 | 0.000434 | 2237.02246 | 2476.30908 |
| 2420.0 | 0.000416 | 2237.27539 | 2480.73633 |
| 2434.0 | 0.000416 | 2237.52954 | 2486.27051 |
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| 2556.0 | 0.000384 | 2239.06714 | 2546.88989 |
| 2565.0 | 0.000384 | 2239.32568 | 2562.34033 |
| 2480.0 | 0.000400 | 2239.58496 | 2579.41040 |
| 2446.0 | 0.000416 | 2239.84473 | 2598.21460 |
| 2578.0 | 0.000384 | 2240.10522 | 2618.83301 |
| 2531.0 | 0.000400 | 2240.36621 | 2641.22192 |
| 2477.0 | 0.000400 | 2240.62793 | 2665.43848 |
| 2669.0 | 0.000370 | 2240.89014 | 2691.48511 |
| 2653.0 | 0.000370 | 2241.15283 | 2719.34985 |
| 2734.0 | 0.000370 | 2241.41626 | 2749.05029 |
| 2738.0 | 0.000370 | 2241.68018 | 2780.43848 |
| 2787.0 | 0.000356 | 2241.94434 | 2813.49316 |
| 2785.0 | 0.000356 | 2242.20947 | 2848.11377 |
| 2936.0 | 0.0003429 | 2242.47485 | 2884.18164 |
| 2829.0 | 0.000356 | 2242.74072 | 2921.59863 |
| 2866.0 | 0.0003429 | 2243.00732 | 2960.07935 |
| 2946.0 | 0.0003429 | 2243.27417 | 2999.47217 |
| 2930.0 | 0.0003429 | 2243.54175 | 3039.60742 |
| 3046.0 | 0.0003306 | 2243.80957 | 3080.09399 |
| 3118.0 | 0.0003189 | 2244.07788 | 3120.70410 |
| 3133.0 | 0.0003189 | 2244.34692 | 3161.13452 |
| 3189.0 | 0.0003189 | 2244.61597 | 3201.05322 |
| 3208.0 | 0.0003078 | 2244.88550 | 3240.11792 |
| 3227.0 | 0.0003078 | 2245.15576 | 3277.98145 |
| 3382.0 | 0.0002973 | 2245.42627 | 3314.28613 |
| 3437.0 | 0.0002873 | 2245.69702 | 3348.68823 |
| 3433.0 | 0.0002873 | 2245.96826 | 3380.87817 |
| 3252.0 | 0.0003078 | 2246.23999 | 3410.46167 |
| 3529.0 | 0.0002873 | 2246.51196 | 3437.16675 |
| 3644.0 | 0.0002778 | 2246.78418 | 3460.70801 |
| 3648.0 | 0.0002778 | 2247.05688 | 3480.86841 |
| 3718.0 | 0.0002687 | 2247.33008 | 3497.33203 |
| 3565.0 | 0.0002778 | 2247.60327 | 3509.94116 |
| 3588.0 | 0.0002778 | 2247.87695 | 3518.54248 |
| 3584.0 | 0.0002778 | 2248.15088 | 3523.02979 |
| 3689.0 | 0.0002687 | 2248.42529 | 3523.34033 |
| 3625.0 | 0.0002778 | 2248.69946 | 3519.52100 |
| 3620.0 | 0.0002778 | 2248.97437 | 3511.55127 |
| 3686.0 | 0.0002687 | 2249.24951 | 3499.60913 |
| 3676.0 | 0.0002687 | 2249.52441 | 3483.88501 |
| 3490.0 | 0.0002873 | 2249.80005 | 3464.64746 |
| 3458.0 | 0.0002873 | 2250.07593 | 3442.18823 |
| 3363.0 | 0.0002973 | 2250.35181 | 3416.86279 |
| 3503.0 | 0.0002873 | 2250.62769 | 3389.05737 |
| 3559.0 | 0.0002778 | 2250.90430 | 3359.16919 |
| 3393.0 | 0.0002973 | 2251.18066 | 3327.61230 |
| 3342.0 | 0.0002973 | 2251.45703 | 3294.77246 |
| 3331.0 | 0.0002973 | 2251.73413 | 3261.10156 |
| 3158.0 | 0.0003189 | 2252.01099 | 3226.95020 |
| 3214.0 | 0.0003078 | 2252.28809 | 3192.69092 |
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| 3143.0 | 0.0003189 | 2252.84253 | 3125.20996 |
| 3169.0 | 0.0003189 | 2253.11987 | 3092.60254 |
| 3087.0 | 0.0003189 | 2253.39722 | 3061.11792 |
| 3098.0 | 0.0003189 | 2253.67480 | 3030.99658 |
| 3009.0 | 0.0003306 | 2253.95239 | 3002.44946 |
| 3006.0 | 0.0003306 | 2254.23022 | 2975.66577 |
| 3139.0 | 0.0003189 | 2254.50781 | 2950.79688 |
| 2949.0 | 0.0003429 | 2254.78540 | 2927.96851 |
| 2996.0 | 0.0003306 | 2255.06323 | 2907.42212 |
| 2941.0 | 0.0003429 | 2255.34106 | 2888.94727 |
| 2920.0 | 0.0003429 | 2255.61865 | 2872.72144 |
| 2916.0 | 0.0003429 | 2255.89648 | 2858.76807 |
| 2927.0 | 0.0003429 | 2256.17407 | 2847.07861 |
| 2892.0 | 0.0003429 | 2256.45166 | 2837.62573 |
| 2835.0 | 0.000356 | 2256.72925 | 2830.36572 |
| 2993.0 | 0.0003306 | 2257.00684 | 2825.22607 |
| 2976.0 | 0.0003306 | 2257.28418 | 2822.12427 |
| 2928.0 | 0.0003429 | 2257.56128 | 2820.23828 |
| 2928.0 | 0.0003429 | 2257.83862 | 2820.91162 |
| 2827.0 | 0.000356 | 2258.11572 | 2823.29224 |
| 2969.0 | 0.0003429 | 2258.39258 | 2827.24390 |
| 2952.0 | 0.0003429 | 2258.66943 | 2832.65210 |
| 2947.0 | 0.0003429 | 2258.94629 | 2839.31787 |
| 3009.0 | 0.0003306 | 2259.22290 | 2847.07202 |
| 3026.0 | 0.0003306 | 2259.49902 | 2855.76587 |
| 3032.0 | 0.0003306 | 2259.77539 | 2865.21948 |
| 2991.0 | 0.0003306 | 2260.05127 | 2875.25342 |
| 3041.0 | 0.0003306 | 2260.32690 | 2885.68091 |
| 3101.0 | 0.0003189 | 2260.60254 | 2896.33643 |
| 3058.0 | 0.0003306 | 2260.87793 | 2907.01343 |
| 3075.0 | 0.0003306 | 2261.15308 | 2917.55005 |
| 3013.0 | 0.0003306 | 2261.42749 | 2927.77539 |
| 2984.0 | 0.0003306 | 2261.70215 | 2937.54102 |
| 3090.0 | 0.0003189 | 2261.97656 | 2946.71021 |
| 3042.0 | 0.0003306 | 2262.25049 | 2955.15747 |
| 3081.0 | 0.0003189 | 2262.52393 | 2962.78394 |
| 3030.0 | 0.0003306 | 2262.79736 | 2969.51514 |
| 2951.0 | 0.0003429 | 2263.07031 | 2975.29590 |
| 2982.0 | 0.0003306 | 2263.34277 | 2980.15918 |
| 2991.0 | 0.0003306 | 2263.61523 | 2983.98779 |
| 2942.0 | 0.0003429 | 2263.88721 | 2986.86328 |
| 2863.0 | 0.0003429 | 2264.15869 | 2988.83521 |
| 2964.0 | 0.0003429 | 2264.42969 | 2989.96948 |
| 2868.0 | 0.0003429 | 2264.70044 | 2990.35425 |
| 2903.0 | 0.0003429 | 2264.97070 | 2990.16357 |
| 2898.0 | 0.0003429 | 2265.24048 | 2989.34912 |
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| 2870.0 | 0.0003429 | 2265.77881 | 2986.53271 |
| 2846.0 | 0.000356 | 2266.04736 | 2984.74609 |
| 2799.0 | 0.000356 | 2266.31543 | 2982.83960 |
| 2821.0 | 0.000356 | 2266.58276 | 2980.90063 |
| 2824.0 | 0.000356 | 2266.84985 | 2979.00317 |
| 2801.0 | 0.000356 | 2267.11621 | 2977.20996 |
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| 2859.0 | 0.000356 | 2267.64771 | 2974.09717 |
| 2887.0 | 0.0003429 | 2267.91260 | 2972.82690 |
| 2797.0 | 0.000356 | 2268.17651 | 2971.75391 |
| 2798.0 | 0.000356 | 2268.44043 | 2970.87280 |
| 2855.0 | 0.000356 | 2268.70337 | 2970.16333 |
| 2807.0 | 0.000356 | 2268.96606 | 2969.60425 |
| 2905.0 | 0.0003429 | 2269.22754 | 2969.25781 |
| 2899.0 | 0.0003429 | 2269.48901 | 2968.90845 |
| 2803.0 | 0.000356 | 2269.74951 | 2968.65088 |
| 2877.0 | 0.0003429 | 2270.00928 | 2968.39844 |
| 2827.0 | 0.000356 | 2270.26855 | 2968.16479 |
| 2923.0 | 0.0003429 | 2270.52710 | 2967.93530 |
| 2936.0 | 0.0003429 | 2270.78491 | 2967.70532 |
| 2968.0 | 0.0003429 | 2271.04199 | 2967.48657 |
| 2912.0 | 0.0003429 | 2271.29834 | 2967.29224 |
| 2943.0 | 0.0003429 | 2271.55396 | 2967.15186 |
| 2934.0 | 0.0003429 | 2271.80884 | 2967.10278 |
| 2934.0 | 0.0003429 | 2272.06299 | 2967.17407 |
| 2942.0 | 0.0003429 | 2272.31641 | 2967.41357 |
| 2868.0 | 0.0003429 | 2272.56885 | 2967.86646 |
| 2937.0 | 0.0003429 | 2272.82056 | 2968.57397 |
| 2971.0 | 0.0003306 | 2273.07153 | 2969.57227 |
| 2943.0 | 0.0003429 | 2273.32153 | 2970.89746 |
| 2971.0 | 0.0003306 | 2273.57080 | 2972.57007 |
| 2995.0 | 0.0003306 | 2273.81934 | 2974.60571 |
| 2917.0 | 0.0003429 | 2274.06689 | 2977.00635 |
| 2985.0 | 0.0003306 | 2274.31348 | 2979.77026 |
| 2997.0 | 0.0003306 | 2274.55908 | 2982.88135 |
| 2936.0 | 0.0003429 | 2274.80396 | 2986.39819 |
| 3010.0 | 0.0003306 | 2275.04785 | 2990.12769 |
| 2999.0 | 0.0003306 | 2275.29102 | 2994.10864 |
| 2998.0 | 0.0003306 | 2275.53271 | 2998.39404 |
| 2991.0 | 0.0003306 | 2275.77393 | 3002.75659 |
| 2920.0 | 0.0003429 | 2276.01416 | 3007.24316 |
| 2990.0 | 0.0003306 | 2276.25293 | 3011.80688 |
| 2918.0 | 0.0003429 | 2276.49121 | 3016.40430 |
| 3001.0 | 0.0003306 | 2276.72827 | 3020.99951 |
| 2951.0 | 0.0003429 | 2276.96436 | 3025.55518 |
| 3003.0 | 0.0003306 | 2277.19922 | 3030.04224 |
| 2958.0 | 0.0003429 | 2277.43335 | 3034.43115 |
| 2959.0 | 0.0003429 | 2277.66626 | 3038.69629 |
| 3035.0 | 0.0003306 | 2277.89771 | 3043.04321 |
| 2976.0 | 0.0003306 | 2278.12866 | 3046.99927 |
| 2932.0 | 0.0003429 | 2278.35815 | 3050.77002 |
| 3014.0 | 0.0003306 | 2278.58667 | 3054.32495 |
| 2948.0 | 0.0003429 | 2278.81396 | 3057.62524 |
| 3003.0 | 0.0003306 | 2279.04028 | 3060.63892 |
| 3010.0 | 0.0003306 | 2279.26538 | 3063.32129 |
| 3043.0 | 0.0003306 | 2279.48901 | 3065.62671 |
| 2943.0 | 0.0003429 | 2279.71167 | 3067.49829 |
| 2950.0 | 0.0003429 | 2279.93311 | 3068.88501 |
| 3066.0 | 0.0003306 | 2280.15356 | 3069.73267 |
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| 3017.0 | 0.0003306 | 2280.80688 | 3068.59839 |
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| 2957.0 | 0.0003429 | 2281.44873 | 3061.62305 |
| 3013.0 | 0.0003306 | 2281.65991 | 3058.11279 |
| 2962.0 | 0.0003429 | 2281.86987 | 3054.19580 |
| 2882.0 | 0.0003429 | 2282.07861 | 3049.82959 |
| 2843.0 | 0.000356 | 2282.28613 | 3045.20337 |
| 2854.0 | 0.000356 | 2282.49194 | 3040.45142 |
| 2930.0 | 0.0003429 | 2282.69653 | 3035.71484 |
| 2936.0 | 0.0003429 | 2282.89990 | 3031.14160 |
| 2924.0 | 0.0003429 | 2283.10156 | 3026.87622 |
| 2893.0 | 0.0003429 | 2283.30200 | 3023.07056 |
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| 2874.0 | 0.0003429 | 2283.69849 | 3017.37964 |
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| 2910.0 | 0.0003429 | 2284.28223 | 3015.48975 |
| 2919.0 | 0.0003429 | 2284.47388 | 3017.23975 |
| 2829.0 | 0.000356 | 2284.66382 | 3019.99951 |
| 2955.0 | 0.0003429 | 2284.85229 | 3024.02954 |
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| 3073.0 | 0.0003306 | 2285.95117 | 3075.93042 |
| 3105.0 | 0.0003189 | 2286.12842 | 3089.07666 |
| 3095.0 | 0.0003189 | 2286.30444 | 3103.67700 |
| 3186.0 | 0.0003189 | 2286.47876 | 3119.09644 |
| 3252.0 | 0.0003078 | 2286.65112 | 3135.53174 |
| 3215.0 | 0.0003078 | 2286.82202 | 3152.90039 |
| 3301.0 | 0.0003078 | 2286.99121 | 3171.10400 |
| 3294.0 | 0.0003078 | 2287.15869 | 3190.03271 |
| 3279.0 | 0.0003078 | 2287.32446 | 3209.57373 |
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| 3359.0 | 0.0002973 | 2287.65088 | 3249.99731 |
| 3416.0 | 0.0002973 | 2287.81128 | 3270.61133 |
| 3389.0 | 0.0002973 | 2287.97021 | 3291.29688 |
| 3447.0 | 0.0002873 | 2288.12720 | 3311.90625 |
| 3473.0 | 0.0002873 | 2288.28247 | 3332.33716 |
| 3469.0 | 0.0002873 | 2288.43579 | 3352.29272 |
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| 3583.0 | 0.0002778 | 2288.73706 | 3390.28955 |
| 3568.0 | 0.0002778 | 2288.88501 | 3407.98389 |
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| 3581.0 | 0.0002778 | 2289.17505 | 3439.91943 |
| 3538.0 | 0.0002873 | 2289.31738 | 3453.85181 |
| 3571.0 | 0.0002778 | 2289.45776 | 3466.23706 |
| 3569.0 | 0.0002778 | 2289.59619 | 3476.95752 |
| 3568.0 | 0.0002778 | 2289.73267 | 3485.89526 |
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| 3580.0 | 0.0002778 | 2290.25903 | 3502.03931 |
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| 3631.0 | 0.0002778 | 2290.63306 | 3493.52368 |
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| 3581.0 | 0.0002778 | 2290.87207 | 3478.22583 |
| 3555.0 | 0.0002778 | 2290.98853 | 3467.91260 |
| 3449.0 | 0.0002873 | 2291.10278 | 3455.96777 |
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| 3502.0 | 0.0002873 | 2291.32520 | 3426.97778 |
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| 3423.0 | 0.0002873 | 2291.84424 | 3337.39917 |
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| 3257.0 | 0.0003078 | 2292.03638 | 3296.93408 |
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| 3169.0 | 0.0003189 | 2292.39453 | 3212.93604 |
| 3204.0 | 0.0003078 | 2292.47827 | 3191.75732 |
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| 3037.0 | 0.0003306 | 2292.63916 | 3149.66626 |
| 3106.0 | 0.0003189 | 2292.71606 | 3128.84644 |
| 3031.0 | 0.0003306 | 2292.79077 | 3108.26636 |
| 3077.0 | 0.0003306 | 2292.86328 | 3087.99951 |
| 3126.0 | 0.0003189 | 2292.93311 | 3068.10791 |
| 2998.0 | 0.0003306 | 2293.00098 | 3048.65576 |
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| 2913.0 | 0.0003429 | 2293.12915 | 3011.32520 |
| 2937.0 | 0.0003429 | 2293.18970 | 2993.55151 |
| 2881.0 | 0.0003429 | 2293.24756 | 2976.43945 |
| 2820.0 | 0.000356 | 2293.30322 | 2960.02173 |
| 2812.0 | 0.000356 | 2293.35669 | 2944.33081 |
| 2813.0 | 0.000356 | 2293.40747 | 2929.38306 |
| 2845.0 | 0.000356 | 2293.45581 | 2915.18994 |
| 2755.0 | 0.000370 | 2293.50146 | 2901.75513 |
| 2801.0 | 0.000356 | 2293.54492 | 2889.07837 |
| 2790.0 | 0.000356 | 2293.58569 | 2877.15576 |
| 2731.0 | 0.000370 | 2293.62402 | 2865.96411 |
| 2707.0 | 0.000370 | 2293.65991 | 2855.49805 |
| 2751.0 | 0.000370 | 2293.69312 | 2845.74219 |
| 2761.0 | 0.000356 | 2293.72388 | 2836.69092 |
| 2713.0 | 0.000370 | 2293.75220 | 2828.33374 |
| 2642.0 | 0.000384 | 2293.77783 | 2820.67017 |
| 2699.0 | 0.000370 | 2293.80078 | 2813.69702 |
| 2632.0 | 0.000384 | 2293.82104 | 2807.44287 |
| 2664.0 | 0.000370 | 2293.83887 | 2801.87891 |
| 2684.0 | 0.000370 | 2293.85400 | 2797.03906 |
| 2735.0 | 0.000370 | 2293.86646 | 2792.94165 |
| 2688.0 | 0.000370 | 2293.87646 | 2789.60840 |
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| 2666.0 | 0.000370 | 2293.88989 | 2784.36987 |
| 2609.0 | 0.000384 | 2293.88916 | 2784.26904 |
| 2655.0 | 0.000370 | 2293.88550 | 2785.10205 |
| 2622.0 | 0.000384 | 2293.87915 | 2786.69800 |
| 2706.0 | 0.000370 | 2293.87012 | 2789.14111 |
| 2731.0 | 0.000370 | 2293.85815 | 2792.42993 |
| 2704.0 | 0.000370 | 2293.84351 | 2796.55029 |
| 2813.0 | 0.000356 | 2293.82617 | 2801.48364 |
| 2801.0 | 0.000356 | 2293.80615 | 2807.21118 |
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| 2713.0 | 0.000370 | 2293.75732 | 2820.91333 |
| 2795.0 | 0.000356 | 2293.72876 | 2828.81519 |
| 2799.0 | 0.000356 | 2293.69727 | 2837.35718 |
| 2794.0 | 0.000356 | 2293.66309 | 2846.49536 |
| 2755.0 | 0.000370 | 2293.62573 | 2856.17188 |
| 2862.0 | 0.000356 | 2293.58569 | 2865.36963 |
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| 2830.0 | 0.000356 | 2293.49707 | 2886.89307 |
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| 2851.0 | 0.000356 | 2293.39648 | 2909.58325 |
| 2922.0 | 0.0003429 | 2293.34204 | 2921.20166 |
| 2883.0 | 0.0003429 | 2293.28442 | 2932.91040 |
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| 3005.0 | 0.0003306 | 2293.09375 | 2968.01099 |
| 2883.0 | 0.0003429 | 2293.02441 | 2979.51465 |
| 2887.0 | 0.0003429 | 2292.95190 | 2990.85107 |
| 2842.0 | 0.000356 | 2292.87622 | 3001.98340 |
| 2881.0 | 0.0003429 | 2292.79785 | 3012.88696 |
| 2874.0 | 0.0003429 | 2292.71631 | 3023.53662 |
| 2945.0 | 0.0003429 | 2292.63159 | 3033.90674 |
| 2967.0 | 0.0003429 | 2292.54395 | 3043.97876 |
| 2971.0 | 0.0003306 | 2292.45313 | 3053.70996 |
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| 2988.0 | 0.0003306 | 2292.26221 | 3072.05688 |
| 3000.0 | 0.0003306 | 2292.16211 | 3080.63159 |
| 3004.0 | 0.0003306 | 2292.05884 | 3088.70313 |
| 3014.0 | 0.0003306 | 2291.95239 | 3096.26782 |
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| 2998.0 | 0.0003306 | 2291.73022 | 3109.73193 |
| 3032.0 | 0.0003306 | 2291.61450 | 3115.59009 |
| 3048.0 | 0.0003306 | 2291.49536 | 3120.83984 |
| 3010.0 | 0.0003306 | 2291.37305 | 3125.49512 |
| 3082.0 | 0.0003189 | 2291.24756 | 3129.57983 |
| 3046.0 | 0.0003306 | 2291.11914 | 3133.13184 |
| 3093.0 | 0.0003189 | 2290.98706 | 3136.19897 |
| 3165.0 | 0.0003189 | 2290.85205 | 3138.85620 |
| 3115.0 | 0.0003189 | 2290.71362 | 3141.17236 |
| 3149.0 | 0.0003189 | 2290.57202 | 3143.24634 |
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| 3114.0 | 0.0003189 | 2290.12744 | 3148.66846 |
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| 3142.0 | 0.0003189 | 2289.65308 | 3154.50073 |
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| 3068.0 | 0.0003306 | 2289.14844 | 3161.86401 |
| 3190.0 | 0.0003189 | 2288.97388 | 3164.72388 |
| 3057.0 | 0.0003306 | 2288.79541 | 3167.76514 |
| 3151.0 | 0.0003189 | 2288.61377 | 3170.95264 |
| 3187.0 | 0.0003189 | 2288.42896 | 3174.24878 |
| 3098.0 | 0.0003189 | 2288.24048 | 3177.60229 |
| 3008.0 | 0.0003306 | 2288.04858 | 3180.95923 |
| 3003.0 | 0.0003306 | 2287.85303 | 3184.25952 |
| 3040.0 | 0.0003306 | 2287.65454 | 3187.43799 |
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| 3079.0 | 0.0003306 | 2287.24658 | 3193.17627 |
| 3153.0 | 0.0003189 | 2287.03735 | 3195.61035 |
| 3127.0 | 0.0003189 | 2286.82495 | 3197.67603 |
| 3051.0 | 0.0003306 | 2286.60864 | 3199.31543 |
| 3066.0 | 0.0003306 | 2286.38916 | 3200.48364 |
| 3102.0 | 0.0003189 | 2286.16602 | 3201.13501 |
| 3017.0 | 0.0003306 | 2285.93945 | 3201.23389 |
| 2974.0 | 0.0003306 | 2285.70923 | 3200.75342 |
| 3073.0 | 0.0003306 | 2285.47534 | 3199.66016 |
| 2989.0 | 0.0003306 | 2285.23828 | 3197.98462 |
| 3033.0 | 0.0003306 | 2284.99731 | 3195.60010 |
| 3035.0 | 0.0003306 | 2284.75293 | 3192.53784 |
| 3016.0 | 0.0003306 | 2284.50488 | 3188.76929 |
| 2966.0 | 0.0003429 | 2284.25317 | 3184.27563 |
| 2926.0 | 0.0003429 | 2283.99805 | 3179.03369 |
| 2902.0 | 0.0003429 | 2283.73926 | 3173.01855 |
| 2927.0 | 0.0003429 | 2283.47681 | 3166.20557 |
| 3000.0 | 0.0003306 | 2283.21094 | 3158.58032 |
| 2860.0 | 0.000356 | 2282.94116 | 3150.13379 |
| 3002.0 | 0.0003306 | 2282.66772 | 3140.86157 |
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| 2875.0 | 0.0003429 | 2281.82568 | 3108.21533 |
| 2877.0 | 0.0003429 | 2281.53784 | 3095.81934 |
| 2919.0 | 0.0003429 | 2281.24609 | 3082.74316 |
| 2840.0 | 0.000356 | 2280.95044 | 3069.04517 |
| 2903.0 | 0.0003429 | 2280.65137 | 3054.79004 |
| 2840.0 | 0.000356 | 2280.34863 | 3040.04956 |
| 2896.0 | 0.0003429 | 2280.04199 | 3024.74292 |
| 2879.0 | 0.0003429 | 2279.73169 | 3009.25952 |
| 2736.0 | 0.000370 | 2279.41772 | 2993.52271 |
| 2818.0 | 0.000356 | 2279.09985 | 2977.60913 |
| 2685.0 | 0.000370 | 2278.77832 | 2961.60303 |
| 2860.0 | 0.000356 | 2278.45288 | 2945.57007 |
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| 2693.0 | 0.000370 | 2277.45410 | 2898.05371 |
| 2665.0 | 0.000370 | 2277.11377 | 2882.61572 |
| 2702.0 | 0.000370 | 2276.76929 | 2867.47070 |
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| 2643.0 | 0.000384 | 2275.71338 | 2824.24048 |
| 2627.0 | 0.000384 | 2275.35376 | 2810.68091 |
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| 2521.0 | 0.000400 | 2274.62305 | 2784.99536 |
| 2627.0 | 0.000384 | 2274.25171 | 2772.90552 |
| 2568.0 | 0.000384 | 2273.87646 | 2761.34204 |
| 2535.0 | 0.000400 | 2273.49731 | 2750.31934 |
| 2581.0 | 0.000384 | 2273.11475 | 2739.85376 |
| 2597.0 | 0.000384 | 2272.72778 | 2729.80664 |
| 2486.0 | 0.000400 | 2272.33716 | 2720.49951 |
| 2520.0 | 0.000400 | 2271.94238 | 2711.79492 |
| 2410.0 | 0.000416 | 2271.54419 | 2703.33521 |
| 2468.0 | 0.000400 | 2271.14160 | 2695.88135 |
| 2419.0 | 0.000416 | 2270.73511 | 2689.07788 |
| 2532.0 | 0.000400 | 2270.32520 | 2682.92944 |
| 2434.0 | 0.000416 | 2269.91064 | 2677.46411 |
| 2544.0 | 0.000400 | 2269.49243 | 2672.65015 |
| 2499.0 | 0.000400 | 2269.07031 | 2668.50903 |
| 2542.0 | 0.000400 | 2268.64429 | 2665.03662 |
| 2533.0 | 0.000400 | 2268.21411 | 2662.22192 |
| 2437.0 | 0.000416 | 2267.78003 | 2660.10498 |
| 2423.0 | 0.000416 | 2267.34204 | 2658.53491 |
| 2537.0 | 0.000400 | 2266.89990 | 2657.60352 |
| 2461.0 | 0.000400 | 2266.45386 | 2657.25439 |
| 2476.0 | 0.000400 | 2266.00366 | 2657.46167 |
| 2501.0 | 0.000400 | 2265.54980 | 2658.18994 |
| 2554.0 | 0.000384 | 2265.09155 | 2659.40527 |
| 2445.0 | 0.000416 | 2264.62939 | 2661.07495 |
| 2519.0 | 0.000400 | 2264.16357 | 2663.16211 |
| 2441.0 | 0.000416 | 2263.69336 | 2665.62695 |
| 2496.0 | 0.000400 | 2263.21899 | 2668.43970 |
| 2502.0 | 0.000400 | 2262.74048 | 2671.56177 |
| 2508.0 | 0.000400 | 2262.25854 | 2674.96167 |
| 2410.0 | 0.000416 | 2261.77197 | 2678.60913 |
| 2514.0 | 0.000400 | 2261.28149 | 2682.47900 |
| 2533.0 | 0.000400 | 2260.78687 | 2686.54712 |
| 2506.0 | 0.000400 | 2260.28857 | 2690.79810 |
| 2566.0 | 0.000384 | 2259.78589 | 2695.21191 |
| 2523.0 | 0.000400 | 2259.27905 | 2699.78174 |
| 2567.0 | 0.000384 | 2258.76855 | 2704.50439 |
| 2509.0 | 0.000400 | 2258.25342 | 2709.36426 |
| 2562.0 | 0.000384 | 2257.73438 | 2714.36401 |
| 2522.0 | 0.000400 | 2257.21094 | 2719.49902 |
| 2614.0 | 0.000384 | 2256.68408 | 2724.83545 |
| 2641.0 | 0.000384 | 2256.15259 | 2730.25659 |
| 2567.0 | 0.000384 | 2255.61694 | 2735.78613 |
| 2676.0 | 0.000370 | 2255.07788 | 2741.42896 |
| 2694.0 | 0.000370 | 2254.53394 | 2747.16748 |
| 2639.0 | 0.000384 | 2253.98608 | 2752.98169 |
| 2690.0 | 0.000370 | 2253.43384 | 2758.84717 |
| 2651.0 | 0.000384 | 2252.87817 | 2764.68286 |
| 2591.0 | 0.000384 | 2252.31787 | 2770.52026 |
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| 2763.0 | 0.000356 | 2250.61230 | 2787.29175 |
| 2681.0 | 0.000370 | 2250.03516 | 2792.43091 |
| 2753.0 | 0.000370 | 2249.45410 | 2797.22437 |
| 2689.0 | 0.000370 | 2248.86914 | 2801.60352 |
| 2729.0 | 0.000370 | 2248.27979 | 2805.48413 |
| 2709.0 | 0.000370 | 2247.68604 | 2808.79565 |
| 2777.0 | 0.000356 | 2247.08838 | 2811.46216 |
| 2691.0 | 0.000370 | 2246.48682 | 2813.41675 |
| 2613.0 | 0.000384 | 2245.88062 | 2814.59961 |
| 2737.0 | 0.000370 | 2245.27026 | 2814.95874 |
| 2742.0 | 0.000370 | 2244.65625 | 2814.45752 |
| 2622.0 | 0.000384 | 2244.03735 | 2813.08740 |
| 2695.0 | 0.000370 | 2243.41455 | 2810.79932 |
| 2614.0 | 0.000384 | 2242.78735 | 2807.61499 |
| 2550.0 | 0.000384 | 2242.15649 | 2803.55371 |
| 2670.0 | 0.000370 | 2241.52100 | 2798.64429 |
| 2560.0 | 0.000384 | 2240.88135 | 2792.93481 |
| 2460.0 | 0.000400 | 2240.23779 | 2786.47119 |
| 2521.0 | 0.000400 | 2239.58960 | 2779.31836 |
| 2492.0 | 0.000400 | 2238.93750 | 2771.53125 |
| 2492.0 | 0.000400 | 2238.28101 | 2763.18140 |
| 2502.0 | 0.000400 | 2237.62061 | 2754.33350 |
| 2459.0 | 0.000400 | 2236.95557 | 2745.05859 |
| 2514.0 | 0.000400 | 2236.28638 | 2735.42236 |
| 2383.0 | 0.000416 | 2235.61353 | 2725.48901 |
| 2394.0 | 0.000416 | 2234.93604 | 2715.32031 |
| 2477.0 | 0.000400 | 2234.25415 | 2704.97778 |
| 2466.0 | 0.000400 | 2233.56812 | 2694.52124 |
| 2434.0 | 0.000416 | 2232.87842 | 2683.99902 |
| 2375.0 | 0.000416 | 2232.18384 | 2673.47119 |
| 2379.0 | 0.000416 | 2231.48511 | 2663.02246 |
| 2357.0 | 0.000416 | 2230.78223 | 2652.62158 |
| 2370.0 | 0.000416 | 2230.07544 | 2642.35059 |
| 2315.0 | 0.000434 | 2229.36426 | 2632.25293 |
| 2339.0 | 0.000434 | 2228.64844 | 2622.36157 |
| 2220.0 | 0.000453 | 2227.92920 | 2612.71143 |
| 2359.0 | 0.000416 | 2227.20508 | 2603.33716 |
| 2335.0 | 0.000434 | 2226.47681 | 2594.26245 |
| 2321.0 | 0.000434 | 2225.74438 | 2585.52393 |
| 2407.0 | 0.000416 | 2225.00830 | 2577.12744 |
| 2291.0 | 0.000434 | 2224.26733 | 2569.13770 |
| 2240.0 | 0.000453 | 2223.52197 | 2561.50293 |
| 2246.0 | 0.000453 | 2222.77319 | 2554.32446 |
| 2207.0 | 0.000453 | 2222.01953 | 2547.52417 |
| 2299.0 | 0.000434 | 2221.26172 | 2541.16553 |
| 2252.0 | 0.000453 | 2220.49951 | 2535.26270 |
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| 2247.0 | 0.000453 | 2218.96338 | 2524.84131 |
| 2238.0 | 0.000453 | 2218.18872 | 2520.35010 |
| 2261.0 | 0.000434 | 2217.41040 | 2516.32056 |
| 2256.0 | 0.000453 | 2216.62720 | 2512.76196 |
| 2159.0 | 0.000473 | 2215.83984 | 2509.67334 |
| 2219.0 | 0.000453 | 2215.04810 | 2507.04614 |
| 2226.0 | 0.000453 | 2214.25293 | 2504.86963 |

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| 2276.0 | 0.000434 | 2211.02832 | 2500.47095 |
| 2255.0 | 0.000453 | 2210.21143 | 2500.34546 |
| 2225.0 | 0.000453 | 2209.39038 | 2500.58911 |
| 2290.0 | 0.000434 | 2208.56592 | 2501.21143 |
| 2255.0 | 0.000453 | 2207.73633 | 2502.15039 |
| 2273.0 | 0.000434 | 2206.90283 | 2503.41431 |
| 2279.0 | 0.000434 | 2206.06494 | 2505.00146 |
| 2250.0 | 0.000453 | 2205.22363 | 2506.89941 |
| 2243.0 | 0.000453 | 2204.37744 | 2509.10083 |
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| 2259.0 | 0.000434 | 2202.67334 | 2514.38281 |
| 2318.0 | 0.000434 | 2201.81445 | 2517.44092 |
| 2230.0 | 0.000453 | 2200.95166 | 2520.76611 |
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| 2484.0 | 0.000400 | 2179.00928 | 2615.12109 |
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| 2521.0 | 0.000400 | 2159.98706 | 2645.86646 |
| 2603.0 | 0.000384 | 2158.94629 | 2649.95410 |
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| 2758.0 | 0.000356 | 2136.21899 | 2805.40918 |
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| 2751.0 | 0.000370 | 2132.83911 | 2816.77124 |
| 2744.0 | 0.000370 | 2131.70508 | 2818.52490 |
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| 2749.0 | 0.000370 | 2129.42700 | 2818.76782 |
| 2727.0 | 0.000370 | 2128.28198 | 2817.24292 |
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| 2694.0 | 0.000370 | 2116.64453 | 2747.31836 |
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| 2145.0 | 0.000473 | 2010.17920 | 2341.89282 |
| 2152.0 | 0.000473 | 2008.78796 | 2338.87378 |
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| 2089.0 | 0.000473 | 2000.41235 | 2323.91309 |
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| 2076.0 | 0.000473 | 1994.80200 | 2318.81567 |
| 2128.0 | 0.000473 | 1993.39612 | 2318.27124 |
| 2147.0 | 0.000473 | 1991.99011 | 2317.99829 |
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| 2049.0 | 0.000494 | 1989.17285 | 2318.27075 |
| 2073.0 | 0.000473 | 1987.76367 | 2318.78882 |
| 2092.0 | 0.000473 | 1986.35242 | 2319.63550 |
| 2053.0 | 0.000494 | 1984.94019 | 2320.52661 |
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| 2090.0 | 0.000473 | 1982.11401 | 2322.70605 |
| 2097.0 | 0.000473 | 1980.69910 | 2323.90649 |
| 2086.0 | 0.000473 | 1979.28333 | 2325.12134 |
| 2125.0 | 0.000473 | 1977.86682 | 2326.29883 |
| 2097.0 | 0.000473 | 1976.45056 | 2327.39404 |
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| 2170.0 | 0.000453 | 1973.61365 | 2328.73877 |
| 2097.0 | 0.000473 | 1972.19531 | 2329.28101 |
| 2244.0 | 0.000453 | 1970.77527 | 2329.54712 |
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| 2140.0 | 0.000473 | 1966.51270 | 2328.36060 |
| 2113.0 | 0.000473 | 1965.09058 | 2327.21704 |
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| 2219.0 | 0.000453 | 1962.24585 | 2323.75024 |
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| 2196.0 | 0.000453 | 1950.85303 | 2295.50488 |
| 2218.0 | 0.000453 | 1949.42798 | 2290.72217 |
| 2226.0 | 0.000453 | 1948.00281 | 2285.74170 |
| 2198.0 | 0.000453 | 1946.57861 | 2280.58716 |
| 2243.0 | 0.000453 | 1945.15369 | 2275.28564 |
| 2198.0 | 0.000453 | 1943.72852 | 2269.86304 |
| 2208.0 | 0.000453 | 1942.30371 | 2264.34399 |
| 2240.0 | 0.000453 | 1940.88000 | 2258.75952 |
| 2175.0 | 0.000453 | 1939.45544 | 2253.13306 |
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| 2179.0 | 0.000453 | 1935.18433 | 2236.32642 |
| 2046.0 | 0.000494 | 1933.76099 | 2230.85718 |
| 2106.0 | 0.000473 | 1932.33801 | 2225.48755 |
| 2117.0 | 0.000473 | 1930.91650 | 2220.25708 |
| 2066.0 | 0.000494 | 1929.49451 | 2215.19189 |
| 2044.0 | 0.000494 | 1928.07288 | 2210.31494 |
| 2099.0 | 0.000473 | 1926.65295 | 2205.64282 |
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| 2095.0 | 0.000473 | 1922.39380 | 2193.03857 |
| 2044.0 | 0.000494 | 1920.97644 | 2189.33984 |
| 2003.0 | 0.000494 | 1919.55896 | 2185.86987 |
| 2020.0 | 0.000494 | 1918.14221 | 2182.74390 |
| 2034.0 | 0.000494 | 1916.72729 | 2179.81104 |
| 2050.0 | 0.000494 | 1915.31226 | 2177.12036 |
| 2025.0 | 0.000494 | 1913.89819 | 2174.66357 |
| 1987.0 | 0.000494 | 1912.48511 | 2172.44897 |
| 1969.0 | 0.000517 | 1911.07410 | 2170.41357 |
| 2055.0 | 0.000494 | 1909.66309 | 2168.55981 |
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| 1921.0 | 0.000517 | 1905.43799 | 2163.94678 |
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| 2042.0 | 0.000494 | 1902.62659 | 2161.37256 |
| 2074.0 | 0.000473 | 1901.22400 | 2160.18750 |
| 2014.0 | 0.000494 | 1899.82166 | 2158.85498 |
| 2022.0 | 0.000494 | 1898.42065 | 2157.73999 |
| 2037.0 | 0.000494 | 1897.02124 | 2156.64185 |
| 1987.0 | 0.000494 | 1895.62439 | 2155.55371 |
| 2063.0 | 0.000494 | 1894.22803 | 2154.46289 |
| 2015.0 | 0.000494 | 1892.83325 | 2153.37012 |
| 1987.0 | 0.000494 | 1891.44116 | 2152.27295 |
| 2017.0 | 0.000494 | 1890.04968 | 2151.16846 |
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| 2042.0 | 0.000494 | 1885.88696 | 2147.82104 |
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| 1975.0 | 0.000517 | 1880.36267 | 2142.97998 |
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| 2064.0 | 0.000494 | 1877.61230 | 2140.67407 |
| 2000.0 | 0.000494 | 1876.24121 | 2139.48364 |
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| 2019.0 | 0.000494 | 1872.13855 | 2135.73755 |
| 2151.0 | 0.000473 | 1870.77661 | 2134.40527 |
| 2054.0 | 0.000494 | 1869.41614 | 2133.00830 |
| 2098.0 | 0.000473 | 1868.05798 | 2131.54761 |
| 1996.0 | 0.000494 | 1866.70337 | 2130.01660 |
| 1933.0 | 0.000517 | 1865.35034 | 2128.41089 |
| 2145.0 | 0.000473 | 1863.99976 | 2126.74683 |
| 2099.0 | 0.000473 | 1862.65186 | 2124.95288 |
| 2125.0 | 0.000473 | 1861.30774 | 2123.05786 |
| 2059.0 | 0.000494 | 1859.96521 | 2121.04907 |
| 2154.0 | 0.000473 | 1858.62549 | 2118.94312 |
| 2050.0 | 0.000494 | 1857.28967 | 2116.68872 |
| 2025.0 | 0.000494 | 1855.95569 | 2114.29517 |
| 2106.0 | 0.000473 | 1854.62463 | 2111.78809 |
| 2097.0 | 0.000473 | 1853.29651 | 2109.09546 |
| 2057.0 | 0.000494 | 1851.97253 | 2106.24121 |
| 2195.0 | 0.000453 | 1850.65051 | 2103.21753 |
| 2097.0 | 0.000473 | 1849.33167 | 2100.01904 |
| 2004.0 | 0.000494 | 1848.01697 | 2096.64038 |
| 1996.0 | 0.000494 | 1846.70447 | 2093.07837 |
| 2015.0 | 0.000494 | 1845.39539 | 2089.33447 |
| 2032.0 | 0.000494 | 1844.08948 | 2085.40259 |
| 2026.0 | 0.000494 | 1842.78796 | 2081.29321 |
| 1997.0 | 0.000494 | 1841.48889 | 2077.00342 |
| 2003.0 | 0.000494 | 1840.19336 | 2072.53833 |
| 2004.0 | 0.000494 | 1838.90137 | 2067.90698 |
| 2005.0 | 0.000494 | 1837.61389 | 2063.13916 |
| 1969.0 | 0.000517 | 1836.32910 | 2058.19897 |
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| 1848.0 | 0.000541 | 1829.96228 | 2031.73340 |
| 1934.0 | 0.000517 | 1828.70129 | 2026.17285 |
| 1919.0 | 0.000517 | 1827.44336 | 2020.56580 |
| 1876.0 | 0.000541 | 1826.18945 | 2014.92896 |
| 1881.0 | 0.000541 | 1824.94055 | 2009.28027 |
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| 1889.0 | 0.000541 | 1812.68152 | 1955.08154 |

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| 1792.0 | 0.000567 | 1803.20984 | 1918.07593 |
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| 1829.0 | 0.000541 | 1792.94482 | 1884.40527 |
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| 1802.0 | 0.000567 | 1785.27246 | 1864.50134 |
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| 1771.0 | 0.000567 | 1777.89258 | 1850.93665 |
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| 2076.0 | 0.000473 | 1720.62158 | 1997.83105 |
| 2105.0 | 0.000473 | 1721.01465 | 2004.75171 |
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| 2137.0 | 0.000473 | 1724.09326 | 2056.53589 |
| 2095.0 | 0.000473 | 1724.57971 | 2064.03735 |
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| 2201.0 | 0.000453 | 1726.10852 | 2086.10400 |
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| 2134.0 | 0.000473 | 1730.07983 | 2131.13110 |
| 2085.0 | 0.000473 | 1730.69275 | 2136.59375 |
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| 2120.0 | 0.000473 | 1745.29553 | 2219.16162 |
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| 2253.0 | 0.000453 | 1753.25928 | 2263.08960 |
| 2245.0 | 0.000453 | 1754.19482 | 2268.61841 |
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| 1912.0 | 0.000517 | 1868.03235 | 2103.73071 |
| 1894.0 | 0.000517 | 1869.22485 | 2104.63916 |
| 1887.0 | 0.000541 | 1870.40918 | 2105.37183 |
| 1991.0 | 0.000494 | 1871.58411 | 2105.94214 |

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| 1927.0 | 0.000517 | 1872.74915 | 2106.34229 |
| 1844.0 | 0.000541 | 1873.90320 | 2106.56836 |
| 1932.0 | 0.000517 | 1875.04761 | 2106.62061 |
| 1820.0 | 0.000541 | 1876.18103 | 2106.49023 |
| 1882.0 | 0.000541 | 1877.30310 | 2106.18530 |
| 1923.0 | 0.000517 | 1878.41272 | 2105.70313 |
| 1957.0 | 0.000517 | 1879.51099 | 2105.05273 |
| 1886.0 | 0.000541 | 1880.59668 | 2104.26514 |
| 1895.0 | 0.000517 | 1881.66870 | 2103.29858 |
| 1923.0 | 0.000517 | 1882.72827 | 2102.19043 |
| 1887.0 | 0.000541 | 1883.77405 | 2100.95532 |
| 1901.0 | 0.000517 | 1884.80554 | 2099.60352 |
| 1862.0 | 0.000541 | 1885.82178 | 2098.15381 |
| 1928.0 | 0.000517 | 1886.82385 | 2096.62354 |
| 1860.0 | 0.000541 | 1887.81030 | 2095.03125 |
| 1890.0 | 0.000541 | 1888.78015 | 2093.39648 |
| 1861.0 | 0.000541 | 1889.73450 | 2091.73926 |
| 1812.0 | 0.000541 | 1890.67188 | 2090.08081 |
| 1814.0 | 0.000541 | 1891.59204 | 2088.44263 |
| 1841.0 | 0.000541 | 1892.49377 | 2086.84863 |
| 1844.0 | 0.000541 | 1893.37805 | 2085.32104 |
| 1960.0 | 0.000517 | 1894.24365 | 2083.87939 |
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| 1793.0 | 0.000567 | 1899.73816 | 2078.01343 |
| 1878.0 | 0.000541 | 1900.43689 | 2078.03735 |
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| 1882.0 | 0.000541 | 1907.82581 | 2115.33911 |
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| 1872.0 | 0.000541 | 1908.67273 | 2137.46606 |
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| 1845.0 | . | . | . |
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| 1821.0 | . | . | . |
| 1878.0 | . | . | . |
| 1916.0 | . | . | . |
| 1820.0 | . | . | . |

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| 1838.0 | . | . | . |
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| 1809.0 | . | . | . |
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| 1900.0 | . | . | . |
| 1913.0 | . | . | . |
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| 1931.0 | . | . | . |
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| 1892.0 | . | . | . |
| 1879.0 | . | . | . |

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| 1924.0 | . | . | . |
| 1890.0 | . | . | . |

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| 1875.0 | . | . | . |
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| 1771.0 | . | . | . |
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| 1767.0 | . | . | . |
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| 1836.0 | . | . | . |
| 1806.0 | . | . | . |
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| 1860.0 | . | . | . |
| 1867.0 | . | . | . |
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| 1863.0 | . | . | . |
| 1862.0 | . | . | . |
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| 1854.0 | . | . | . |
| 1876.0 | . | . | . |
| 1885.0 | . | . | . |
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| 1905.0 | . | . | . |
| 1855.0 | . | . | . |
| 1835.0 | . | . | . |
| 1850.0 | . | . | . |
| 1852.0 | . | . | . |
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| 1872.0 | . | . | . |
| 1828.0 | . | . | . |
| 1923.0 | . | . | . |
| 1899.0 | . | . | . |
| 1899.0 | . | . | . |
| 1885.0 | . | . | . |
| 1943.0 | . | . | . |
| 1934.0 | . | . | . |
| 1938.0 | . | . | . |

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| 1899.0 | . | . | . |
| 1877.0 | . | . | . |
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| 1893.0 | . | . | . |
| 1905.0 | . | . | . |
| 1905.0 | . | . | . |
| 1861.0 | . | . | . |
| 1839.0 | . | . | . |
| 1796.0 | . | . | . |
| 1841.0 | . | . | . |
| 1879.0 | . | . | . |
| 1886.0 | . | . | . |
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| 1795.0 | . | . | . |
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| 1901.0 | . | . | . |
| 1882.0 | . | . | . |
| 1851.0 | . | . | . |
| 1867.0 | . | . | . |
| 1830.0 | . | . | . |
| 1780.0 | . | . | . |
| 1812.0 | . | . | . |
| 1814.0 | . | . | . |
| 1814.0 | . | . | . |
| 1867.0 | . | . | . |
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| 1860.0 | . | . | . |
| 1823.0 | . | . | . |
| 1864.0 | . | . | . |
| 1862.0 | . | . | . |
| 1854.0 | . | . | . |
| 1867.0 | . | . | . |
| 1886.0 | . | . | . |
| 1888.0 | . | . | . |
| 1813.0 | . | . | . |
| 1865.0 | . | . | . |
| 1872.0 | . | . | . |
| 1862.0 | . | . | . |
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| 1884.0 | . | . | . |
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| 1744.0 | . | . | . |
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| 1836.0 | . | . | . |
| 1867.0 | . | . | . |
| 1793.0 | . | . | . |

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| 1898.0 | . | . | . |
| 1850.0 | . | . | . |
| 1861.0 | . | . | . |
| 1878.0 | . | . | . |
| 1809.0 | . | . | . |
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| 1851.0 | . | . | . |
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| 1894.0 | . | . | . |
| 1892.0 | . | . | . |
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| 1838.0 | . | . | . |
| 1865.0 | . | . | . |
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| 1845.0 | . | . | . |
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| 1871.0 | . | . | . |
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| 1878.0 | . | . | . |
| 1890.0 | . | . | . |
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| 1888.0 | . | . | . |
| 1930.0 | . | . | . |
| 1859.0 | . | . | . |
| 1809.0 | . | . | . |
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| 1841.0 | . | . | . |
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| 1862.0 | . | . | . |
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| 1876.0 | . | . | . |
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| 1812.0 | . | . | . |
| 1780.0 | . | . | . |
| 1869.0 | . | . | . |

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| 1776.0 | . | . | . |
| 1810.0 | . | . | . |
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| 1801.0 | . | . | . |
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| 1860.0 | . | . | . |
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| 1973.0 | . | . | . |
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| 1982.0 | . | . | . |

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| 1926.0 | . | . | . |
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| 1951.0 | . | . | . |
| 1924.0 | . | . | . |
| 1885.0 | . | . | . |
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| 2123.0 | . | . | . |
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| 1933.0 | . | . | . |
| 1864.0 | . | . | . |
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| 1905.0 | . | . | . |
| 1926.0 | . | . | . |
| 1868.0 | . | . | . |
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| 1840.0 | . | . | . |
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| 1886.0 | . | . | . |

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| 1910.0 | . | . | . |
| 1976.0 | . | . | . |
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| 1881.0 | . | . | . |
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| 1888.0 | . | . | . |
| 1946.0 | . | . | . |
| 1863.0 | . | . | . |
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| 1939.0 | . | . | . |
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| 1882.0 | . | . | . |
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| 1885.0 | . | . | . |
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| 1934.0 | . | . | . |
| 1958.0 | . | . | . |
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| 1827.0 | . | . | . |
| 1784.0 | . | . | . |
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| _pd_proc_number_of_points | | 11440 | |

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loop_
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  _refln_index_k
  _refln_index_l
  _refln_observed_status
  _refln_F_squared_meas
  _refln_F_squared_calc
  _refln_phase_calc
  _refln_d_spacing
  _gsas_i100_meas
0 2 1 o 7669.457 8631.447 -88.17 6.63279 41.94
1 1 -1 o 15582.485 16538.551 105.90 5.86474 75.51
1 1 0 o 1839.585 2031.214 162.73 5.84409 8.35
0 0 2 o 15009.246 13962.277 7.49 4.63506 20.39
0 4 0 o 17227.152 15464.026 180.00 4.74713 24.58
1 1 -2 o 14300.188 14395.262 31.84 4.37934 37.80
1 1 1 o 2901.577 2879.033 -85.06 4.35364 6.93
1 3 -1 o 7795.720 7880.745 -156.19 4.41677 20.36
1 3 0 o 7448.457 7606.791 171.71 4.40793 18.96
0 2 2 o 3428.068 3131.430 129.35 4.16520 7.46
0 4 1 o 4921.011 4882.096 -166.66 4.22533 11.05
1 3 -2 o 1572.809 1762.936 -152.42 3.66793 2.92
1 3 1 o 4476.858 4237.483 101.87 3.65279 7.57
0 4 2 o 1380.795 1055.480 -36.90 3.31640 1.89
1 1 -3 o 9058.853 7916.748 -30.93 3.18655 12.21
1 1 2 o 11232.755 9705.205 60.70 3.17003 14.17
1 5 -1 o 6814.442 6646.250 16.70 3.23362 9.31
1 5 0 o 5493.691 5307.414 140.21 3.23014 7.33
0 6 0 o 626.110 536.370 0.00 3.16475 0.41
2 0 -2 o 9211.769 7836.338 25.39 3.08311 6.26
2 0 0 o 10675.645 9676.683 2.17 3.07112 6.73
0 2 3 o 8233.141 7710.302 135.27 2.93833 9.08
2 2 -1 o 8024.997 6743.069 -84.87 3.08503 10.54
0 6 1 o 5208.441 5194.639 -55.23 2.99503 5.97
2 2 -2 o 28304.143 25941.600 179.32 2.93237 34.13
1 3 -3 o 20334.680 18972.607 -71.52 2.87873 22.25
2 2 0 o 9494.812 9088.058 16.24 2.92205 10.86
1 3 2 o 43980.21 40933.90 -120.10 2.86653 45.43
1 5 -2 o 26349.301 25372.617 152.70 2.90247 29.16
1 5 1 o 43837.92 42165.71 54.89 2.89495 46.64
0 4 3 o 1520.290 1520.654 -37.05 2.58973 1.31

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| 0 | 6 | 2 | o | 918.595 | 1003.547 | 55.64 | 2.61363 | 0.83 |
| 2 | 4 | -1 | o | 861.513 | 1018.052 | -74.90 | 2.68849 | 0.84 |
| 2 | 2 | -3 | o | 2846.759 | 3199.473 | 164.50 | 2.57518 | 2.73 |
| 2 | 2 | 1 | o | 2064.276 | 2872.933 | -118.59 | 2.56124 | 1.86 |
| 2 | 4 | -2 | o | 4006.072 | 4064.886 | -130.27 | 2.58564 | 3.78 |
| 2 | 4 | 0 | o | 1229.274 | 1316.552 | -61.41 | 2.57856 | 1.13 |
| 1 | 1 | -4 | o | 4938.494 | 5316.509 | -22.76 | 2.43905 | 3.95 |
| 1 | 1 | 3 | o | 8319.010 | 8068.342 | -79.03 | 2.42867 | 6.15 |
| 1 | 5 | -3 | o | 1058.252 | 1342.802 | -49.66 | 2.46149 | 0.86 |
| 1 | 5 | 2 | o | 2572.747 | 3149.332 | -145.66 | 2.45386 | 1.96 |
| 1 | 7 | -1 | o | 2833.575 | 3188.900 | 101.23 | 2.48300 | 2.26 |
| 1 | 7 | 0 | o | 5566.498 | 6285.353 | 8.79 | 2.48142 | 4.48 |
| 0 | 0 | 4 | o | 3506.554 | 3796.249 | 143.86 | 2.31753 | 1.20 |
| 2 | 4 | -3 | o | 1492.175 | 1526.632 | -18.70 | 2.33079 | 1.12 |
| 1 | 3 | -4 | o | 2926.495 | 3197.972 | -150.05 | 2.29244 | 2.05 |
| 1 | 7 | -2 | o | 2663.545 | 2867.300 | -44.67 | 2.32328 | 1.88 |
| 2 | 4 | 1 | o | 1519.270 | 1644.959 | 24.90 | 2.32043 | 1.07 |
| 1 | 7 | 1 | o | 1978.494 | 2144.057 | -9.54 | 2.31942 | 1.33 |
| 0 | 2 | 4 | o | 4241.910 | 4309.202 | 111.96 | 2.25143 | 2.74 |
| 1 | 3 | 3 | o | 966.448 | 959.048 | 50.65 | 2.28382 | 0.60 |
| 0 | 8 | 0 | o | 1458.977 | 1300.032 | 180.00 | 2.37356 | 0.51 |
| 2 | 0 | -4 | o | 11074.063 | 11341.711 | 60.19 | 2.25033 | 3.88 |
| 2 | 0 | 2 | o | 343.874 | 355.866 | 111.83 | 2.23640 | 0.11 |
| 0 | 8 | 1 | o | 3624.599 | 4287.430 | 43.31 | 2.29939 | 2.47 |
| 0 | 6 | 3 | o | 18893.838 | 19386.895 | -59.65 | 2.21093 | 11.69 |
| 2 | 2 | -4 | o | 4052.850 | 3864.163 | 154.05 | 2.18967 | 2.69 |
| 2 | 6 | -1 | o | 9732.692 | 9160.032 | 14.50 | 2.27144 | 6.68 |
| 2 | 2 | 2 | o | 9410.150 | 9105.402 | -4.00 | 2.17682 | 5.70 |
| 2 | 6 | -2 | o | 13659.952 | 13669.013 | 31.43 | 2.20839 | 9.02 |
| 2 | 6 | 0 | o | 2421.914 | 2353.386 | -140.16 | 2.20397 | 1.54 |
| 0 | 4 | 4 | o | 4451.212 | 4680.791 | -116.56 | 2.08260 | 2.50 |
| 3 | 1 | -2 | o | 753.975 | 899.944 | 113.49 | 2.14758 | 0.50 |
| 3 | 1 | -1 | o | 3566.096 | 4413.203 | -106.81 | 2.14453 | 2.36 |
| 0 | 8 | 2 | o | 1903.186 | 2415.112 | 39.36 | 2.11267 | 1.12 |
| 1 | 7 | -3 | o | 991.489 | 980.910 | -48.56 | 2.07790 | 0.56 |
| 1 | 7 | 2 | o | 1336.391 | 1269.009 | 76.62 | 2.07330 | 0.74 |
| 1 | 5 | -4 | o | 1185.347 | 1108.801 | -129.41 | 2.06434 | 0.67 |
| 1 | 5 | 3 | o | 1658.860 | 1559.905 | 42.67 | 2.05803 | 0.90 |
| 2 | 4 | -4 | o | 2922.305 | 3079.570 | -138.93 | 2.03343 | 1.68 |
| 2 | 4 | 2 | o | 363.801 | 432.081 | 44.09 | 2.02313 | 0.19 |
| 3 | 1 | -3 | o | 21.163 | 21.140 | 43.64 | 2.04347 | 0.01 |
| 2 | 6 | -3 | o | 505.041 | 506.518 | -92.49 | 2.04318 | 0.29 |
| 3 | 1 | 0 | o | 7256.733 | 7571.623 | 151.72 | 2.03561 | 4.09 |
| 2 | 6 | 1 | o | 3154.985 | 3296.660 | 39.59 | 2.03620 | 1.71 |
| 3 | 3 | -2 | o | 3351.966 | 3243.038 | -12.45 | 2.04547 | 1.97 |
| 3 | 3 | -1 | o | 4935.440 | 4971.596 | -173.25 | 2.04283 | 2.86 |
| 1 | 1 | -5 | o | 2650.480 | 2842.326 | -1.75 | 1.95746 | 1.33 |
| 1 | 1 | 4 | o | 1963.415 | 2440.857 | 100.42 | 1.95055 | 0.93 |
| 1 | 9 | -1 | o | 3614.886 | 4664.967 | 152.90 | 1.99622 | 1.86 |
| 1 | 9 | 0 | o | 283.714 | 362.208 | -77.21 | 1.99540 | 0.14 |
| 3 | 3 | -3 | o | 13084.590 | 13850.686 | -98.69 | 1.95491 | 7.10 |
| 3 | 3 | 0 | o | 1344.585 | 1813.292 | -129.93 | 1.94803 | 0.69 |
| 1 | 3 | -5 | o | 1204.821 | 1301.695 | -1.22 | 1.87921 | 0.57 |
| 1 | 3 | 4 | o | 1883.263 | 1931.177 | -76.83 | 1.87309 | 0.85 |

| | | | | | | | | |
|---|----|----|---|-----------|-----------|---------|---------|------|
| 0 | 6 | 4 | o | 3429.468 | 3471.364 | -64.73 | 1.86979 | 1.52 |
| 1 | 9 | -2 | o | 122.004 | 136.194 | -10.36 | 1.91034 | 0.06 |
| 1 | 9 | 1 | o | 4028.414 | 4398.887 | -175.65 | 1.90820 | 1.91 |
| 0 | 8 | 3 | o | 1540.571 | 1715.552 | 21.24 | 1.88234 | 0.69 |
| 2 | 2 | -5 | o | 286.632 | 293.279 | 31.84 | 1.85820 | 0.14 |
| 2 | 8 | -1 | o | 1201.103 | 1968.139 | -174.01 | 1.91926 | 0.60 |
| 2 | 2 | 3 | o | 9559.270 | 9401.938 | -62.41 | 1.84773 | 4.18 |
| 3 | 1 | -4 | o | 2161.181 | 2183.884 | 48.87 | 1.87184 | 1.10 |
| 3 | 1 | 1 | o | 6019.904 | 6116.771 | -74.45 | 1.86180 | 2.79 |
| 2 | 8 | -2 | o | 3320.318 | 3632.457 | -5.96 | 1.88077 | 1.57 |
| 2 | 8 | 0 | o | 643.618 | 681.004 | 65.05 | 1.87804 | 0.30 |
| 0 | 10 | 0 | o | 4434.598 | 5852.257 | 180.00 | 1.89885 | 1.04 |
| 0 | 2 | 5 | o | 10069.563 | 9665.998 | -97.05 | 1.81965 | 4.27 |
| 1 | 7 | 3 | o | 3155.564 | 2984.586 | 119.41 | 1.81770 | 1.32 |
| 0 | 10 | 1 | o | 7123.644 | 7226.234 | -93.88 | 1.86023 | 3.11 |
| 3 | 5 | -2 | o | 194.734 | 206.709 | -125.37 | 1.87851 | 0.10 |
| 3 | 5 | -1 | o | 3142.563 | 3255.070 | 71.57 | 1.87646 | 1.55 |
| 2 | 6 | -4 | o | 1018.801 | 990.082 | 110.15 | 1.83396 | 0.47 |
| 2 | 6 | 2 | o | 914.830 | 925.434 | 47.17 | 1.82640 | 0.39 |
| 1 | 7 | -4 | o | 12016.376 | 11724.772 | -19.53 | 1.82204 | 5.27 |
| 3 | 3 | -4 | o | 14858.714 | 15043.496 | -83.52 | 1.80306 | 6.89 |
| 3 | 3 | 1 | o | 2766.717 | 2922.592 | 36.87 | 1.79408 | 1.18 |
| 3 | 5 | -3 | o | 13677.426 | 12854.689 | -5.05 | 1.80764 | 6.29 |
| 3 | 5 | 0 | o | 6481.329 | 6686.411 | 69.74 | 1.80219 | 2.83 |
| 2 | 4 | -5 | o | 3417.827 | 3077.242 | -32.47 | 1.75983 | 1.44 |
| 2 | 8 | -3 | o | 949.262 | 902.728 | 69.99 | 1.77555 | 0.40 |
| 2 | 4 | 3 | o | 1898.485 | 1552.280 | 112.96 | 1.75093 | 0.75 |
| 2 | 8 | 1 | o | 6970.705 | 6415.735 | -144.12 | 1.77096 | 2.84 |
| 0 | 4 | 5 | o | 8093.649 | 6752.649 | 26.72 | 1.72698 | 3.10 |
| 1 | 5 | -5 | o | 6264.462 | 4889.338 | -128.21 | 1.74728 | 2.51 |
| 1 | 9 | -3 | o | 5114.095 | 4586.410 | 94.01 | 1.76678 | 2.09 |
| 1 | 9 | 2 | o | 450.910 | 404.553 | -140.87 | 1.76395 | 0.18 |
| 1 | 5 | 4 | o | 519.897 | 404.653 | 26.20 | 1.74236 | 0.20 |
| 0 | 10 | 2 | o | 11852.698 | 10624.415 | -104.51 | 1.75712 | 4.70 |
| 3 | 1 | -5 | o | 794.451 | 679.200 | -5.47 | 1.67929 | 0.31 |
| 3 | 1 | 2 | o | 1115.711 | 1018.671 | -158.14 | 1.66915 | 0.41 |
| 3 | 5 | -4 | o | 3750.929 | 2972.054 | -172.92 | 1.68557 | 1.49 |
| 3 | 5 | 1 | o | 10676.320 | 9104.067 | 94.39 | 1.67823 | 4.00 |
| 0 | 8 | 4 | o | 2093.707 | 1690.342 | 28.35 | 1.65820 | 0.74 |
| 1 | 1 | -6 | o | 3794.480 | 3514.210 | -79.56 | 1.62834 | 1.34 |
| 1 | 1 | 5 | o | 10475.328 | 9802.258 | -136.93 | 1.62348 | 3.52 |
| 3 | 7 | -2 | o | 1224.834 | 939.930 | -132.94 | 1.69044 | 0.48 |
| 3 | 7 | -1 | o | 1257.991 | 949.566 | -50.61 | 1.68895 | 0.49 |
| 2 | 0 | -6 | o | 24093.117 | 22284.725 | 39.58 | 1.61619 | 4.31 |
| 3 | 3 | -5 | o | 3970.334 | 3655.088 | -156.17 | 1.62909 | 1.49 |
| 2 | 0 | 4 | o | 12988.713 | 12377.911 | 122.11 | 1.60758 | 2.14 |
| 2 | 6 | -5 | o | 882.795 | 834.259 | 34.45 | 1.62572 | 0.31 |
| 3 | 3 | 2 | o | 3893.017 | 3575.426 | -169.53 | 1.61983 | 1.31 |
| 2 | 6 | 3 | o | 4158.588 | 3805.207 | 80.10 | 1.61870 | 1.41 |
| 0 | 6 | 5 | o | 5457.328 | 5087.493 | 113.39 | 1.59972 | 1.79 |
| 2 | 8 | -4 | o | 4241.522 | 3741.955 | 16.04 | 1.63305 | 1.54 |
| 1 | 11 | -1 | o | 2896.633 | 2638.904 | -18.32 | 1.66232 | 1.04 |
| 2 | 2 | -6 | o | 684.548 | 683.780 | 41.76 | 1.59327 | 0.23 |
| 1 | 11 | 0 | o | 11780.080 | 10601.489 | -111.71 | 1.66185 | 4.22 |

2 8 2 o 1958.142 1834.880 104.05 1.62770 0.67
 2 2 4 o 302.898 352.940 -39.37 1.58502 0.10
 3 7 -3 o 1408.216 1290.477 114.73 1.63824 0.52
 3 7 0 o 1970.571 1734.607 48.86 1.63418 0.70
 1 9 -4 o 6334.408 5861.334 149.11 1.60134 2.12
 1 3 -6 o 446.704 564.481 62.10 1.58246 0.15
 0 10 3 o 5108.412 4668.414 -97.34 1.61781 1.72
 1 9 3 o 3032.179 2812.634 163.45 1.59839 1.00
 1 3 5 o 3256.349 4937.746 -172.04 1.57799 1.04
 1 7 -5 o 4349.541 4365.109 -106.49 1.59291 1.44
 2 10 -1 o 24337.223 22864.129 -155.70 1.64106 8.65
 1 7 4 o 7299.931 7819.135 -167.11 1.58918 2.36
 4 0 -2 o 36528.48 32319.568 -173.21 1.63102 6.92
 2 10 -2 o 3301.531 3003.827 -80.68 1.61681 1.15
 2 10 0 o 651.162 602.718 -168.04 1.61507 0.22
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 1 11 1 o 495.059 473.618 87.67 1.61045 0.16
 0 0 6 o 1983.710 2243.223 46.58 1.54502 0.31
 4 2 -2 o 878.485 838.492 128.64 1.60748 0.32
 4 2 -3 o 8.592 9.420 76.04 1.58548 0.00
 4 2 -1 o 988.502 1237.967 -62.65 1.58221 0.36
 2 4 -6 o 6361.294 6447.078 171.01 1.52996 2.04
 0 2 6 o 416.783 442.736 27.41 1.52496 0.12
 2 4 4 o 941.777 1041.654 -143.24 1.52264 0.27
 3 5 -5 o 5038.599 5549.864 99.05 1.54088 1.66
 0 12 0 o 3170.788 3906.521 180.00 1.58238 0.51
 3 5 2 o 620.219 634.316 -109.60 1.53304 0.19
 2 10 -3 o 1353.631 1581.302 -93.58 1.54849 0.43
 2 10 1 o 2268.027 2476.191 -106.06 1.54545 0.71
 3 7 -4 o 4187.980 4604.471 -24.21 1.54574 1.38
 0 12 1 o 208.277 779.531 11.91 1.55981 0.07
 4 0 -4 o 1806.412 1974.765 44.34 1.54155 0.31
 3 7 1 o 5575.929 6140.297 87.83 1.54007 1.75
 4 0 0 o 3084.639 3262.733 -175.35 1.53556 0.50
 1 5 -6 o 847.239 1482.864 -82.28 1.50124 0.25
 1 5 5 o 639.001 945.460 -44.27 1.49743 0.18
 1 11 -3 o 1593.605 1733.008 126.35 1.52269 0.48
 4 2 -4 o 1514.376 1697.608 110.86 1.52163 0.50
 1 11 2 o 427.977 491.969 89.81 1.52088 0.12
 4 2 0 o 1219.492 1751.731 -15.74 1.51586 0.38
 4 4 -2 o 250.179 268.350 115.30 1.54252 0.08
 3 1 -6 o 1125.042 1639.461 29.63 1.49556 0.36
 4 4 -3 o 5530.863 5879.289 155.48 1.52305 1.83
 4 4 -1 o 203.474 241.054 10.03 1.52015 0.07
 3 1 3 o 1396.981 1888.987 -83.20 1.48636 0.41
 0 4 6 o 9226.535 9183.231 -128.56 1.46917 2.58
 0 12 2 o 5661.079 8283.368 -173.11 1.49751 1.66
 3 9 -2 o 195.501 501.587 59.24 1.50980 0.06
 3 9 -1 o 316.180 911.167 -121.69 1.50873 0.11
 2 8 -5 o 16762.873 18691.873 74.19 1.48084 4.99
 0 8 5 o 604.930 760.660 -172.00 1.46111 0.17
 2 8 3 o 23324.262 23604.895 -62.65 1.47553 6.56
 3 3 -6 o 3136.092 4252.626 -120.49 1.45978 0.96
 3 3 3 o 1615.491 3224.761 19.54 1.45121 0.45

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|---|----|----|---|-----------|-----------|---------|---------|------|
| 0 | 10 | 4 | o | 1587.965 | 1556.618 | -74.45 | 1.46879 | 0.45 |
| 3 | 9 | -3 | o | 5449.350 | 5148.627 | -150.09 | 1.47226 | 1.64 |
| 3 | 9 | 0 | o | 5663.321 | 5379.727 | -65.79 | 1.46931 | 1.63 |
| 1 | 9 | -5 | o | 908.641 | 1149.527 | -82.62 | 1.43910 | 0.25 |
| 2 | 6 | -6 | o | 188.380 | 242.348 | 119.26 | 1.43936 | 0.05 |
| 4 | 4 | -4 | o | 1559.398 | 1575.230 | -132.13 | 1.46618 | 0.48 |
| 1 | 9 | 4 | o | 4311.800 | 4645.190 | 18.64 | 1.43634 | 1.14 |
| 2 | 10 | -4 | o | 14.409 | 26.879 | 0.35 | 1.45123 | 0.00 |
| 2 | 6 | 4 | o | 502.264 | 513.931 | 49.58 | 1.43327 | 0.13 |
| 4 | 4 | 0 | o | 1212.596 | 1504.031 | 137.39 | 1.46102 | 0.36 |
| 2 | 10 | 2 | o | 868.509 | 1669.780 | -136.57 | 1.44748 | 0.24 |
| 3 | 7 | -5 | o | 1239.580 | 1267.663 | -110.51 | 1.43189 | 0.35 |
| 4 | 2 | -5 | o | 2688.225 | 2957.450 | -113.55 | 1.42965 | 0.82 |
| 3 | 7 | 2 | o | 1306.794 | 1601.188 | -110.00 | 1.42558 | 0.36 |
| 4 | 2 | 1 | o | 4800.142 | 5979.080 | -60.51 | 1.42249 | 1.34 |
| 1 | 1 | -7 | o | 177.662 | 210.993 | -104.41 | 1.39133 | 0.04 |
| 1 | 1 | 6 | o | 360.212 | 387.835 | 42.03 | 1.38775 | 0.09 |
| 1 | 7 | -6 | o | 1331.066 | 1646.507 | -9.24 | 1.39991 | 0.35 |
| 1 | 11 | -4 | o | 2291.684 | 3332.823 | 155.89 | 1.41293 | 0.62 |
| 4 | 6 | -2 | o | 91.781 | 192.014 | -90.09 | 1.44981 | 0.03 |
| 1 | 7 | 5 | o | 1134.803 | 1422.218 | 145.50 | 1.39681 | 0.28 |
| 1 | 11 | 3 | o | 166.941 | 224.321 | -67.81 | 1.41090 | 0.04 |
| 3 | 5 | -6 | o | 655.472 | 832.547 | -168.79 | 1.39530 | 0.18 |
| 0 | 12 | 3 | o | 191.182 | 244.781 | -11.28 | 1.40844 | 0.05 |
| 4 | 6 | -3 | o | 10807.117 | 10350.982 | 80.41 | 1.43361 | 3.16 |
| 4 | 6 | -1 | o | 4371.985 | 4442.218 | 102.90 | 1.43119 | 1.26 |
| 3 | 5 | 3 | o | 4063.689 | 4329.348 | 83.54 | 1.38781 | 1.03 |
| 0 | 6 | 6 | o | 99.601 | 109.460 | 74.74 | 1.38840 | 0.03 |
| 2 | 2 | -7 | o | 2371.733 | 2489.249 | -34.24 | 1.38473 | 0.62 |
| 1 | 13 | -1 | o | 190.492 | 235.660 | 100.78 | 1.42132 | 0.05 |
| 1 | 13 | 0 | o | 121.243 | 151.606 | -168.87 | 1.42103 | 0.03 |
| 2 | 2 | 5 | o | 2274.757 | 2645.354 | -18.40 | 1.37822 | 0.57 |
| 3 | 9 | -4 | o | 998.014 | 1227.404 | 23.77 | 1.40403 | 0.27 |
| 1 | 3 | -7 | o | 2133.626 | 3635.901 | -162.73 | 1.36238 | 0.52 |
| 1 | 3 | 6 | o | 2946.042 | 4274.806 | 145.91 | 1.35901 | 0.69 |
| 3 | 9 | 1 | o | 3207.274 | 3948.436 | -93.42 | 1.39978 | 0.85 |
| 2 | 12 | -1 | o | 1600.571 | 1965.566 | 34.66 | 1.42371 | 0.44 |
| 4 | 4 | -5 | o | 7350.645 | 7662.032 | 11.48 | 1.38337 | 2.03 |
| 2 | 12 | -2 | o | 773.084 | 951.515 | 115.90 | 1.40779 | 0.21 |
| 2 | 12 | 0 | o | 2018.608 | 2461.881 | 152.49 | 1.40664 | 0.53 |
| 4 | 4 | 1 | o | 2814.057 | 3297.104 | -160.97 | 1.37688 | 0.73 |
| 1 | 13 | -2 | o | 4795.373 | 5274.436 | -113.48 | 1.38932 | 1.20 |
| 1 | 13 | 1 | o | 2830.856 | 3006.455 | 153.75 | 1.38849 | 0.69 |
| 4 | 6 | -4 | o | 4559.781 | 4598.129 | 85.84 | 1.38588 | 1.25 |
| 4 | 6 | 0 | o | 6410.354 | 6918.047 | -77.71 | 1.38152 | 1.68 |
| 2 | 4 | -7 | o | 864.129 | 843.339 | 79.02 | 1.34255 | 0.21 |
| 2 | 4 | 5 | o | 167.531 | 167.532 | -2.73 | 1.33662 | 0.04 |
| 2 | 12 | -3 | o | 894.497 | 1543.985 | 54.93 | 1.36199 | 0.22 |
| 2 | 8 | -6 | o | 3226.807 | 3213.552 | -62.82 | 1.33591 | 0.78 |
| 2 | 12 | 1 | o | 1093.424 | 1672.202 | 3.00 | 1.35992 | 0.27 |
| 3 | 1 | -7 | o | 1069.525 | 1042.762 | 140.08 | 1.33294 | 0.27 |
| 2 | 8 | 4 | o | 2361.257 | 2280.662 | -44.26 | 1.33103 | 0.54 |
| 2 | 10 | -5 | o | 1903.216 | 1876.223 | -5.76 | 1.34127 | 0.46 |
| 0 | 10 | 5 | o | 8892.667 | 8509.101 | 141.08 | 1.32656 | 2.03 |

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|---|----|----|---|-----------|-----------|---------|---------|------|
| 3 | 1 | 4 | o | 4968.872 | 4730.422 | -64.38 | 1.32497 | 1.14 |
| 2 | 10 | 3 | o | 2001.922 | 2010.491 | -63.30 | 1.33732 | 0.47 |
| 4 | 0 | -6 | o | 4125.243 | 4148.744 | 13.87 | 1.33774 | 0.53 |
| 0 | 2 | 7 | o | 5272.741 | 4948.047 | -140.22 | 1.31161 | 1.19 |
| 1 | 5 | -7 | o | 15492.345 | 14464.752 | -178.61 | 1.30952 | 3.53 |
| 1 | 5 | 6 | o | 5648.111 | 5108.422 | 13.36 | 1.30653 | 1.24 |
| 0 | 14 | 0 | o | 1218.829 | 1698.142 | 0.00 | 1.35632 | 0.15 |
| 4 | 0 | 2 | o | 3984.424 | 3829.612 | -12.21 | 1.32993 | 0.47 |
| 1 | 13 | -3 | o | 2999.452 | 2883.952 | -77.75 | 1.33106 | 0.71 |
| 1 | 13 | 2 | o | 12652.031 | 12135.340 | 60.23 | 1.32985 | 2.90 |
| 3 | 11 | -2 | o | 2622.014 | 2659.503 | -78.10 | 1.34885 | 0.66 |
| 3 | 11 | -1 | o | 2527.222 | 2479.340 | 34.86 | 1.34809 | 0.62 |
| 3 | 7 | -6 | o | 11533.830 | 10814.045 | -1.44 | 1.31283 | 2.78 |
| 4 | 2 | -6 | o | 5540.946 | 5268.370 | 80.91 | 1.32465 | 1.40 |
| 4 | 8 | -2 | o | 5610.166 | 5176.418 | 20.03 | 1.34424 | 1.40 |
| 0 | 8 | 6 | o | 40.318 | 35.131 | -96.09 | 1.29486 | 0.01 |
| 3 | 7 | 3 | o | 8649.856 | 7839.198 | 115.62 | 1.30659 | 1.92 |
| 3 | 3 | -7 | o | 1556.277 | 1424.471 | 176.85 | 1.30742 | 0.37 |
| 0 | 14 | 1 | o | 259.791 | 251.289 | -103.86 | 1.34203 | 0.06 |
| 4 | 8 | -1 | o | 6494.338 | 6213.925 | -142.54 | 1.32936 | 1.58 |
| 4 | 2 | 2 | o | 9214.081 | 8403.253 | -40.19 | 1.31707 | 2.13 |
| 3 | 9 | -5 | o | 8636.105 | 7862.370 | -112.54 | 1.31706 | 2.07 |
| 4 | 6 | -5 | o | 10537.390 | 9675.147 | 80.65 | 1.31532 | 2.60 |
| 3 | 3 | 4 | o | 4393.187 | 3599.632 | 169.31 | 1.29989 | 0.96 |
| 3 | 9 | 2 | o | 8502.175 | 8012.255 | 31.01 | 1.31215 | 1.92 |
| 4 | 6 | 1 | o | 5264.869 | 4954.302 | 113.20 | 1.30974 | 1.22 |
| 3 | 11 | -3 | o | 1038.935 | 968.789 | -42.11 | 1.32188 | 0.25 |
| 1 | 11 | -5 | o | 614.558 | 502.716 | -154.07 | 1.29772 | 0.14 |
| 4 | 8 | -3 | o | 11410.183 | 10954.098 | -19.90 | 1.33130 | 2.83 |
| 3 | 11 | 0 | o | 2108.646 | 1928.380 | -110.11 | 1.31975 | 0.49 |
| 1 | 11 | 4 | o | 901.419 | 760.246 | -126.42 | 1.29570 | 0.20 |
| 0 | 12 | 4 | o | 19.214 | 17.420 | 161.11 | 1.30681 | 0.00 |
| 2 | 6 | -7 | o | 4242.895 | 3521.585 | -10.87 | 1.28008 | 0.93 |
| 1 | 9 | -6 | o | 377.606 | 341.186 | 2.89 | 1.29205 | 0.08 |
| 1 | 9 | 5 | o | 3514.876 | 3293.466 | -76.49 | 1.28962 | 0.76 |
| 2 | 6 | 5 | o | 7298.059 | 6279.181 | 77.81 | 1.27494 | 1.53 |
| 0 | 4 | 7 | o | 383.329 | 326.783 | -145.36 | 1.27560 | 0.08 |
| 4 | 4 | -6 | o | 2097.079 | 2002.622 | -142.33 | 1.28759 | 0.50 |
| 4 | 4 | 2 | o | 3795.406 | 3128.661 | 120.33 | 1.28062 | 0.84 |
| 2 | 12 | -4 | o | 6959.205 | 6005.327 | -121.77 | 1.29440 | 1.56 |
| 2 | 12 | 2 | o | 7545.477 | 6871.522 | -97.36 | 1.29173 | 1.64 |
| 0 | 14 | 2 | o | 4351.403 | 3572.003 | -5.38 | 1.30173 | 0.96 |
| 4 | 8 | -4 | o | 441.524 | 392.295 | 130.35 | 1.29282 | 0.11 |
| 4 | 8 | 0 | o | 537.557 | 511.870 | -0.42 | 1.28928 | 0.12 |
| 5 | 1 | -3 | o | 4927.293 | 3883.507 | -67.70 | 1.29912 | 1.22 |
| 5 | 1 | -2 | o | 1861.453 | 1484.151 | -6.42 | 1.29799 | 0.45 |
| 3 | 11 | -4 | o | 1590.535 | 1485.053 | -172.85 | 1.27183 | 0.36 |
| 3 | 5 | -7 | o | 257.366 | 493.545 | 97.71 | 1.26048 | 0.06 |
| 3 | 11 | 1 | o | 854.203 | 922.929 | -98.53 | 1.26867 | 0.18 |
| 3 | 5 | 4 | o | 83.003 | 113.222 | 97.01 | 1.25374 | 0.02 |
| 5 | 1 | -4 | o | 2839.925 | 2346.959 | -85.18 | 1.27540 | 0.67 |
| 1 | 7 | -7 | o | 2722.443 | 2737.592 | 80.59 | 1.24063 | 0.55 |
| 5 | 1 | -1 | o | 1135.117 | 1043.821 | -133.78 | 1.27221 | 0.26 |
| 1 | 7 | 6 | o | 350.558 | 338.070 | -125.85 | 1.23808 | 0.07 |

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|---|----|----|---|-----------|-----------|---------|---------|------|
| 5 | 3 | -3 | o | 3160.730 | 2587.605 | -6.12 | 1.27545 | 0.74 |
| 1 | 13 | -4 | o | 350.047 | 545.738 | 63.23 | 1.25587 | 0.07 |
| 5 | 3 | -2 | o | 2444.279 | 2075.134 | -56.07 | 1.27439 | 0.56 |
| 1 | 13 | 3 | o | 2776.980 | 3936.421 | 76.85 | 1.25444 | 0.58 |
| 2 | 0 | -8 | o | 1637.051 | 1697.083 | 33.62 | 1.22971 | 0.17 |
| 2 | 0 | 6 | o | 1378.064 | 1493.141 | -123.63 | 1.22439 | 0.14 |
| 0 | 6 | 7 | o | 8276.416 | 8978.590 | 109.37 | 1.22166 | 1.62 |
| 4 | 6 | -6 | o | 1147.286 | 1104.585 | -140.56 | 1.23218 | 0.25 |
| 5 | 3 | -4 | o | 153.198 | 201.622 | 140.18 | 1.25299 | 0.03 |
| 0 | 14 | 3 | o | 8332.506 | 8565.496 | 107.35 | 1.24195 | 1.67 |
| 2 | 10 | -6 | o | 3285.999 | 3307.743 | -176.67 | 1.23075 | 0.67 |
| 2 | 2 | -8 | o | 310.973 | 339.713 | 112.70 | 1.21952 | 0.06 |
| 5 | 3 | -1 | o | 1367.170 | 1775.638 | -69.99 | 1.24996 | 0.31 |
| 4 | 6 | 2 | o | 2443.376 | 2662.939 | 99.18 | 1.22607 | 0.49 |
| 2 | 10 | 4 | o | 2063.615 | 2244.378 | -1.51 | 1.22693 | 0.40 |
| 2 | 2 | 6 | o | 440.598 | 456.758 | 73.75 | 1.21433 | 0.08 |
| 4 | 8 | -5 | o | 1481.061 | 1372.262 | 1.60 | 1.23498 | 0.31 |
| 1 | 1 | -8 | o | 7379.838 | 7528.333 | -41.94 | 1.21331 | 1.44 |
| 3 | 9 | -6 | o | 2386.790 | 2580.903 | 156.79 | 1.22264 | 0.49 |
| 1 | 1 | 7 | o | 7379.376 | 7401.428 | -57.83 | 1.21057 | 1.41 |
| 2 | 14 | -1 | o | 579.097 | 752.201 | -7.97 | 1.25238 | 0.12 |
| 4 | 8 | 1 | o | 1774.882 | 1807.190 | -97.03 | 1.23035 | 0.36 |
| 5 | 1 | -5 | o | 2461.867 | 2478.392 | -152.36 | 1.23065 | 0.55 |
| 2 | 14 | -2 | o | 2172.321 | 2186.877 | 81.88 | 1.24150 | 0.45 |
| 2 | 14 | 0 | o | 360.624 | 355.472 | 99.03 | 1.24071 | 0.08 |
| 3 | 9 | 3 | o | 340.452 | 372.574 | -101.84 | 1.21760 | 0.07 |
| 4 | 2 | -7 | o | 1497.064 | 1641.605 | 174.41 | 1.21824 | 0.32 |
| 5 | 1 | 0 | o | 2045.748 | 2240.860 | -44.11 | 1.22588 | 0.43 |
| 1 | 3 | -8 | o | 2708.477 | 3099.521 | 158.64 | 1.19397 | 0.52 |
| 2 | 8 | -7 | o | 1568.746 | 1699.829 | -87.20 | 1.20567 | 0.30 |
| 1 | 3 | 7 | o | 1134.128 | 1327.946 | -14.15 | 1.19135 | 0.21 |
| 2 | 12 | -5 | o | 684.611 | 710.187 | 10.83 | 1.21456 | 0.14 |
| 2 | 8 | 5 | o | 795.631 | 932.084 | -101.90 | 1.20137 | 0.15 |
| 4 | 2 | 3 | o | 642.853 | 636.929 | -48.73 | 1.21087 | 0.13 |
| 2 | 12 | 3 | o | 1065.437 | 1052.141 | -119.60 | 1.21162 | 0.20 |
| 3 | 7 | -7 | o | 1727.531 | 2004.431 | 156.98 | 1.19869 | 0.35 |
| 1 | 15 | -1 | o | 5303.175 | 5143.916 | 104.44 | 1.24004 | 1.07 |
| 0 | 10 | 6 | o | 289.509 | 337.797 | -87.10 | 1.19843 | 0.06 |
| 1 | 15 | 0 | o | 13921.727 | 13456.114 | 17.72 | 1.23984 | 2.80 |
| 4 | 10 | -2 | o | 941.190 | 872.532 | -22.43 | 1.23726 | 0.20 |
| 4 | 10 | -3 | o | 779.710 | 861.663 | -81.10 | 1.22714 | 0.17 |
| 4 | 10 | -1 | o | 768.912 | 843.384 | -24.93 | 1.22562 | 0.16 |
| 3 | 7 | 4 | o | 929.754 | 1059.696 | 175.65 | 1.19289 | 0.17 |
| 3 | 1 | -8 | o | 1005.324 | 1148.598 | -34.99 | 1.19365 | 0.20 |
| 0 | 12 | 5 | o | 943.608 | 1081.534 | 4.58 | 1.20360 | 0.18 |
| 5 | 5 | -3 | o | 2695.108 | 2582.922 | 144.92 | 1.23177 | 0.60 |
| 5 | 5 | -2 | o | 1111.586 | 1109.156 | -97.90 | 1.23081 | 0.24 |
| 2 | 4 | -8 | o | 3430.994 | 4085.766 | 122.82 | 1.19042 | 0.67 |
| 5 | 3 | -5 | o | 3763.674 | 3678.312 | 173.28 | 1.21048 | 0.80 |
| 3 | 1 | 5 | o | 552.447 | 735.446 | -23.03 | 1.18688 | 0.10 |
| 2 | 14 | 1 | o | 1137.526 | 1143.103 | 146.30 | 1.20830 | 0.22 |
| 1 | 15 | -2 | o | 6165.000 | 6820.571 | -26.96 | 1.21861 | 1.21 |
| 1 | 15 | 1 | o | 1269.545 | 1402.380 | 43.45 | 1.21806 | 0.25 |
| 1 | 11 | -6 | o | 6510.333 | 8648.978 | 155.44 | 1.18682 | 1.24 |

| | | | | | | | | |
|---|----|----|---|----------|-----------|---------|---------|------|
| 5 | 3 | 0 | o | 4848.167 | 5207.740 | 109.49 | 1.20594 | 0.99 |
| 2 | 4 | 6 | o | 1364.056 | 1902.029 | 102.81 | 1.18559 | 0.25 |
| 1 | 11 | 5 | o | 2620.134 | 3730.739 | -50.04 | 1.18493 | 0.48 |
| 3 | 11 | -5 | o | 1096.608 | 1171.990 | -179.55 | 1.20611 | 0.22 |
| 3 | 11 | 2 | o | 3140.906 | 3677.292 | 110.17 | 1.20234 | 0.60 |
| 5 | 5 | -4 | o | 2264.276 | 2199.489 | -60.96 | 1.21149 | 0.48 |
| 5 | 5 | -1 | o | 8150.895 | 8093.383 | -151.97 | 1.20876 | 1.68 |
| 2 | 14 | -3 | o | 1068.925 | 1047.759 | 149.93 | 1.20975 | 0.21 |
| 4 | 4 | -7 | o | 5395.314 | 6575.574 | -9.87 | 1.18923 | 1.10 |
| 4 | 10 | -4 | o | 4850.752 | 5531.066 | -94.56 | 1.19681 | 0.98 |
| 3 | 3 | -8 | o | 913.084 | 1427.372 | 80.99 | 1.17521 | 0.17 |
| 4 | 10 | 0 | o | 6879.521 | 7718.546 | 96.23 | 1.19400 | 1.34 |
| 4 | 4 | 3 | o | 2572.748 | 4036.443 | -137.72 | 1.18237 | 0.49 |
| 3 | 13 | -2 | o | 936.680 | 904.614 | 167.46 | 1.21023 | 0.19 |
| 3 | 13 | -1 | o | 1413.410 | 1373.140 | 135.89 | 1.20968 | 0.28 |
| 3 | 3 | 5 | o | 883.603 | 2353.538 | -165.52 | 1.16876 | 0.16 |
| 0 | 0 | 8 | o | 6438.566 | 10081.272 | -118.09 | 1.15877 | 0.57 |
| 1 | 5 | -8 | o | 182.763 | 274.720 | 125.65 | 1.15791 | 0.03 |
| 1 | 5 | 7 | o | 1761.400 | 2457.052 | 76.21 | 1.15552 | 0.31 |
| 1 | 9 | -7 | o | 238.558 | 594.859 | -85.30 | 1.16369 | 0.04 |
| 1 | 13 | -5 | o | 1443.021 | 2493.675 | 133.05 | 1.17289 | 0.26 |
| 1 | 9 | 6 | o | 837.598 | 1624.773 | -11.10 | 1.16159 | 0.15 |
| 1 | 13 | 4 | o | 72.647 | 145.954 | -132.24 | 1.17140 | 0.01 |
| 0 | 2 | 8 | o | 294.949 | 469.225 | -36.81 | 1.15023 | 0.05 |
| 3 | 13 | -3 | o | 952.066 | 1094.500 | -178.78 | 1.19063 | 0.18 |
| 0 | 14 | 4 | o | 925.969 | 2130.182 | 69.36 | 1.17059 | 0.17 |
| 3 | 13 | 0 | o | 1558.052 | 1882.384 | -79.38 | 1.18907 | 0.29 |
| 1 | 15 | -3 | o | 770.938 | 1254.331 | 115.11 | 1.17873 | 0.14 |
| 1 | 15 | 2 | o | 1034.858 | 1646.120 | 54.58 | 1.17789 | 0.19 |
| 5 | 1 | 1 | o | 595.799 | 1855.771 | -172.31 | 1.16541 | 0.11 |
| 0 | 8 | 7 | o | 227.096 | 322.667 | -99.82 | 1.15648 | 0.04 |
| 4 | 8 | -6 | o | 97.643 | 305.240 | -0.47 | 1.16539 | 0.02 |
| 5 | 5 | -5 | o | 2756.054 | 4726.306 | 91.19 | 1.17295 | 0.57 |
| 5 | 1 | -6 | o | 388.466 | 822.725 | -118.21 | 1.17115 | 0.08 |
| 4 | 8 | 2 | o | 431.297 | 743.068 | -37.63 | 1.16022 | 0.08 |
| 5 | 5 | 0 | o | 156.446 | 481.707 | 155.90 | 1.16882 | 0.03 |
| 0 | 16 | 0 | o | 2624.882 | 3469.961 | 180.00 | 1.18678 | 0.24 |
| 0 | 16 | 1 | o | 1639.731 | 2558.752 | 173.36 | 1.17717 | 0.31 |
| 2 | 6 | -8 | o | 1667.394 | 3527.042 | -44.21 | 1.14622 | 0.31 |
| 5 | 7 | -2 | o | 636.026 | 1045.541 | 129.69 | 1.17309 | 0.12 |
| 5 | 3 | -6 | o | 199.459 | 268.050 | -70.30 | 1.15373 | 0.04 |
| 2 | 6 | 6 | o | 1462.345 | 3428.516 | -108.71 | 1.14191 | 0.26 |
| 2 | 14 | -4 | o | 1433.848 | 2906.594 | -2.87 | 1.16164 | 0.28 |
| 2 | 14 | 2 | o | 1383.967 | 2281.637 | 172.54 | 1.15971 | 0.25 |
| 3 | 5 | -8 | o | 2643.124 | 6215.319 | -163.25 | 1.14078 | 0.50 |
| 5 | 3 | 1 | o | 147.730 | 267.343 | -70.05 | 1.14824 | 0.03 |
| 5 | 7 | -3 | o | 1180.883 | 1836.886 | -138.14 | 1.17392 | 0.23 |
| 0 | 4 | 8 | o | 45.108 | 75.576 | -112.94 | 1.12571 | 0.01 |
| 3 | 5 | 5 | o | 4613.062 | 9219.049 | 177.59 | 1.13487 | 0.80 |
| 4 | 6 | -7 | o | 1.412 | 4.415 | 56.37 | 1.14516 | 0.00 |
| 3 | 13 | -4 | o | 7769.555 | 10210.598 | 120.89 | 1.15367 | 1.43 |
| 3 | 13 | 1 | o | 5252.421 | 7522.401 | 86.83 | 1.15131 | 0.95 |
| 4 | 10 | -5 | o | 187.137 | 283.571 | -128.15 | 1.15048 | 0.04 |
| 0 | 16 | 2 | o | 275.764 | 441.731 | -1.33 | 1.14969 | 0.05 |

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|---|----|------|----------|----------|---------|---------|------|
| 4 | 6 | 3 o | 155.318 | 360.771 | 88.49 | 1.13903 | 0.03 |
| 5 | 7 | -4 o | 169.381 | 226.799 | -46.87 | 1.15633 | 0.03 |
| 3 | 9 | -7 o | 385.679 | 717.707 | 150.45 | 1.12887 | 0.07 |
| 4 | 10 | 1 o | 261.159 | 544.311 | 77.13 | 1.14674 | 0.05 |
| 5 | 7 | -1 o | 809.601 | 1050.596 | 81.61 | 1.15395 | 0.15 |
| 2 | 10 | -7 o | 240.936 | 418.451 | 25.24 | 1.12668 | 0.04 |
| 3 | 9 | 4 o | 48.684 | 78.238 | 27.67 | 1.12402 | 0.01 |
| 4 | 0 | -8 o | 408.797 | 678.387 | 118.55 | 1.12517 | 0.04 |
| 2 | 10 | 5 o | 518.899 | 858.404 | -88.42 | 1.12316 | 0.09 |
| 3 | 11 | -6 o | 1849.842 | 3354.788 | -136.27 | 1.13235 | 0.34 |
| 2 | 12 | -6 o | 151.982 | 282.377 | 130.98 | 1.13068 | 0.03 |
| 4 | 0 | 4 o | 616.275 | 1449.140 | -41.67 | 1.11820 | 0.05 |
| 3 | 11 | 3 o | 21.396 | 40.965 | 125.97 | 1.12834 | 0.00 |
| 1 | 7 | -8 o | 146.213 | 245.217 | -167.57 | 1.10946 | 0.02 |
| 2 | 12 | 4 o | 186.488 | 337.055 | 138.03 | 1.12771 | 0.03 |
| 1 | 7 | 7 o | 1302.673 | 1744.122 | 2.36 | 1.10736 | 0.21 |
| 4 | 2 | -8 o | 112.733 | 273.536 | 167.85 | 1.11735 | 0.02 |
| 1 | 15 | -4 o | 584.740 | 955.656 | 80.97 | 1.12555 | 0.10 |
| 1 | 15 | 3 o | 1126.679 | 1803.082 | -86.57 | 1.12453 | 0.19 |
| 5 | 5 | -6 o | 1226.829 | 2218.498 | 97.44 | 1.12109 | 0.23 |
| 4 | 2 | 4 o | 5.566 | 11.569 | 171.40 | 1.11052 | 0.00 |
| 5 | 5 | 1 o | 130.813 | 370.047 | 127.12 | 1.11606 | 0.02 |
| 0 | 12 | 6 o | 686.900 | 802.502 | 75.32 | 1.10547 | 0.11 |
| 5 | 7 | -5 o | 1175.917 | 1899.236 | 155.36 | 1.12267 | 0.22 |
| 5 | 7 | 0 o | 128.547 | 290.731 | -10.85 | 1.11905 | 0.02 |
| 4 | 12 | -2 o | 69.806 | 145.320 | -18.68 | 1.13572 | 0.01 |
| 4 | 12 | -3 o | 1131.003 | 2107.319 | 79.25 | 1.12788 | 0.21 |
| 2 | 8 | -8 o | 1045.543 | 1002.313 | -48.09 | 1.09187 | 0.17 |
| 4 | 12 | -1 o | 126.980 | 217.406 | 19.29 | 1.12670 | 0.02 |
| 2 | 8 | 6 o | 1128.817 | 1199.828 | -76.45 | 1.08814 | 0.18 |
| 0 | 6 | 8 o | 375.065 | 399.669 | 122.41 | 1.08812 | 0.06 |
| 2 | 2 | -9 o | 60.066 | 65.486 | 58.47 | 1.08688 | 0.01 |
| 0 | 10 | 7 o | 2118.020 | 2306.938 | -176.84 | 1.08622 | 0.33 |
| 0 | 14 | 5 o | 554.153 | 491.591 | -20.91 | 1.09467 | 0.09 |
| 3 | 13 | -5 o | 52.153 | 56.358 | -52.90 | 1.10395 | 0.01 |
| 4 | 4 | -8 o | 1725.618 | 1536.175 | -97.47 | 1.09483 | 0.30 |
| 5 | 1 | -7 o | 1645.472 | 1751.207 | -61.07 | 1.10355 | 0.30 |
| 3 | 7 | -8 o | 227.233 | 203.274 | -7.69 | 1.09436 | 0.04 |
| 2 | 14 | -5 o | 544.908 | 565.176 | 162.87 | 1.10290 | 0.09 |
| 2 | 2 | 7 o | 1937.052 | 2319.757 | -132.70 | 1.08267 | 0.29 |
| 3 | 13 | 2 o | 494.246 | 481.926 | -65.79 | 1.10105 | 0.08 |
| 2 | 14 | 3 o | 1257.305 | 1213.625 | 103.61 | 1.10070 | 0.20 |
| 4 | 8 | -7 o | 212.865 | 208.719 | -161.68 | 1.09095 | 0.04 |
| 0 | 16 | 3 o | 785.440 | 1093.695 | -173.73 | 1.10788 | 0.13 |
| 3 | 7 | 5 o | 770.906 | 801.038 | 29.99 | 1.08914 | 0.12 |
| 5 | 1 | 2 o | 104.730 | 93.060 | -103.19 | 1.09738 | 0.02 |
| 4 | 4 | 4 o | 1073.779 | 1134.843 | 105.60 | 1.08841 | 0.17 |
| 1 | 13 | -6 o | 1028.760 | 1068.995 | 168.51 | 1.08909 | 0.16 |
| 1 | 13 | 5 o | 4126.643 | 4409.920 | 106.81 | 1.08763 | 0.65 |
| 4 | 8 | 3 o | 1435.480 | 1557.992 | -56.03 | 1.08565 | 0.23 |
| 4 | 12 | -4 o | 720.805 | 775.597 | 0.06 | 1.10419 | 0.12 |
| 4 | 12 | 0 o | 547.684 | 546.725 | 28.30 | 1.10198 | 0.09 |
| 3 | 1 | -9 o | 350.676 | 1378.325 | 75.20 | 1.07573 | 0.06 |
| 1 | 11 | -7 o | 874.948 | 963.671 | -125.63 | 1.08504 | 0.14 |

