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## Ferromagnetic Order from p-Electrons in Rubidium Oxide

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\_audit\_creation\_date 2010-12-01T11:01

\_audit\_author\_name graeme

\_audit\_update\_record

; 2010-12-01T11:01 Initial CIF as created by GSAS2CIF

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# 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 #  
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# (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\_codен 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                     yellow      # use ICDD colour descriptions
_refine_ls_shift/su_max              0.06
_refine_ls_shift/su_mean             0.01
_computing_structure_refinement      GSAS
_refine_ls_number_parameters         27
_refine_ls_goodness_of_fit_all       0.33
_refine_ls_number_restraints         1
_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        20

_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                 RbO2_lowT
_cell_length_a                 6.30280(29)
_cell_length_b                 6.25587(23)
_cell_length_c                 5.81797(7)
_cell_angle_alpha              90.0
_cell_angle_beta               90.0
_cell_angle_gamma              90.0
_cell_volume                   229.400(6)
_symmetry_cell_setting         orthorhombic
_symmetry_space_group_name_H-M "F m m m"
loop_ _symmetry_equiv_pos_site_id _symmetry_equiv_pos_as_xyz
  1  +x,+y,+z
  2  -x,+y,+z
  3  +x,-y,+z
  4  -x,-y,+z
 -1  -x,-y,-z
 -2  +x,-y,-z
 -3  -x,+y,-z
 -4  +x,+y,-z
101  +x,+y+1/2,+z+1/2
102  -x,+y+1/2,+z+1/2
103  +x,-y+1/2,+z+1/2
104  -x,-y+1/2,+z+1/2
-101 -x,-y+1/2,-z+1/2
-102  +x,-y+1/2,-z+1/2
-103  -x,+y+1/2,-z+1/2
-104  +x,+y+1/2,-z+1/2
 201  +x+1/2,+y,+z+1/2
 202  -x+1/2,+y,+z+1/2
 203  +x+1/2,-y,+z+1/2
 204  -x+1/2,-y,+z+1/2
-201  -x+1/2,-y,-z+1/2
-202  +x+1/2,-y,-z+1/2
-203  -x+1/2,+y,-z+1/2
-204  +x+1/2,+y,-z+1/2
 301  +x+1/2,+y+1/2,+z
 302  -x+1/2,+y+1/2,+z
 303  +x+1/2,-y+1/2,+z
 304  -x+1/2,-y+1/2,+z
-301  -x+1/2,-y+1/2,-z
-302  +x+1/2,-y+1/2,-z
-303  -x+1/2,+y+1/2,-z
-304  +x+1/2,+y+1/2,-z

# 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
Rb
Rb      0.0548(7)    0.0518(5)    0.0            0.25        Uiso    0.0117(7)    16
O
Oa      0.3989(7)    0.5287(26)   0.5            0.43        Uiso    0.0194(12)   16

```

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

```

_chemical_formula_sum      "O6.88 Rb4.00"
_chemical_formula_weight   451.95
_cell_formula_units_Z      1

```

# 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
Rb      Rb      0.691(9)    .      2_555    N
Rb      Rb      0.648(7)    .      3_555    N
Rb      Rb      0.947(4)    .      4_555    N
Rb      Rb      4.27155(9)   .      101_544  N
Rb      Rb      4.27155(9)   .      101_545  N
Rb      Rb      4.27155(9)   .      101_554  N
Rb      Rb      4.27155(9)   .      101_555  N
Rb      Rb      4.3271(14)   .      102_544  N
Rb      Rb      4.3271(14)   .      102_545  N
Rb      Rb      4.3271(14)   .      102_554  N
Rb      Rb      4.3271(14)   .      102_555  N
Rb      Rb      4.766(5)     .      103_544  N
Rb      Rb      4.766(5)     .      103_545  N
Rb      Rb      3.823(4)     .      103_554  N
Rb      Rb      3.823(4)     .      103_555  N
Rb      Rb      4.816(4)     .      104_544  N
Rb      Rb      4.816(4)     .      104_545  N
Rb      Rb      3.885(5)     .      104_554  N
Rb      Rb      3.885(5)     .      104_555  N
Rb      Rb      4.28877(11)  .      201_454  N
Rb      Rb      4.28877(11)  .      201_455  N
Rb      Rb      4.28877(11)  .      201_554  N
Rb      Rb      4.28877(11)  .      201_555  N
Rb      Rb      4.819(7)     .      202_454  N
Rb      Rb      4.819(7)     .      202_455  N
Rb      Rb      3.810(6)     .      202_554  N
Rb      Rb      3.810(6)     .      202_555  N
Rb      Rb      4.3374(10)   .      203_454  N
Rb      Rb      4.3374(10)   .      203_455  N
Rb      Rb      4.3374(10)   .      203_554  N
Rb      Rb      4.3374(10)   .      203_555  N
Rb      Rb      4.863(6)     .      204_454  N
Rb      Rb      4.863(6)     .      204_455  N
Rb      Rb      3.865(6)     .      204_554  N
Rb      Rb      3.865(6)     .      204_555  N
Rb      Rb      4.44019(13)  .      301_445  N
Rb      Rb      4.44019(13)  .      301_455  N
Rb      Rb      4.44019(13)  .      301_545  N
Rb      Rb      4.44019(13)  .      301_555  N
Rb      Rb      4.954(7)     .      302_445  N
Rb      Rb      4.954(7)     .      302_455  N
Rb      Rb      3.980(5)     .      302_545  N
Rb      Rb      3.980(5)     .      302_555  N
Rb      Rb      4.918(5)     .      303_445  N

```

Rb	Rb	4.010(4)	.	303_455	N
Rb	Rb	4.918(5)	.	303_545	N
Rb	Rb	4.010(4)	.	303_555	N
Rb	Rb	5.387(4)	.	304_445	N
Rb	Rb	4.573(10)	.	304_455	N
Rb	Rb	4.507(9)	.	304_545	N
Rb	Rb	3.494(4)	.	304_555	N
Rb	Oa	2.173(5)	.	101_544	N
Rb	Oa	2.863(7)	.	102_544	N
Rb	Oa	3.446(8)	.	102_644	N
Rb	Oa	2.226(8)	.	103_554	N
Rb	Oa	2.903(9)	.	104_554	N
Rb	Oa	3.480(6)	.	104_654	N
Rb	Oa	3.417(17)	.	201_444	N
Rb	Oa	3.141(15)	.	201_454	N
Rb	Oa	3.285(18)	.	202_544	N
Rb	Oa	2.998(16)	.	202_554	N
Rb	Oa	3.762(15)	.	203_454	N
Rb	Oa	2.803(17)	.	203_464	N
Rb	Oa	3.643(16)	.	204_554	N
Rb	Oa	2.641(17)	.	204_564	N
Rb	Oa	3.0739(22)	.	301_444	N
Rb	Oa	3.0739(22)	.	301_445	N
Rb	Oa	2.9272(15)	.	302_544	N
Rb	Oa	2.9272(15)	.	302_545	N
Rb	Oa	3.1114(19)	.	303_454	N
Rb	Oa	3.1114(19)	.	303_455	N
Rb	Oa	2.9666(23)	.	304_554	N
Rb	Oa	2.9666(23)	.	304_555	N
Oa	Rb	2.173(5)	.	101_555	N
Oa	Rb	2.863(7)	.	102_555	N
Oa	Rb	3.446(8)	.	102_655	N
Oa	Rb	2.226(8)	.	103_555	N
Oa	Rb	2.903(9)	.	104_555	N
Oa	Rb	3.480(6)	.	104_655	N
Oa	Rb	3.141(15)	.	201_555	N
Oa	Rb	3.417(17)	.	201_565	N
Oa	Rb	2.998(16)	.	202_555	N
Oa	Rb	3.285(18)	.	202_565	N
Oa	Rb	3.762(15)	.	203_555	N
Oa	Rb	2.803(17)	.	203_565	N
Oa	Rb	3.643(16)	.	204_555	N
Oa	Rb	2.641(17)	.	204_565	N
Oa	Rb	3.0739(22)	.	301_555	N
Oa	Rb	3.0739(22)	.	301_556	N
Oa	Rb	2.9272(15)	.	302_555	N
Oa	Rb	2.9272(15)	.	302_556	N
Oa	Rb	3.1114(19)	.	303_555	N
Oa	Rb	3.1114(19)	.	303_556	N
Oa	Rb	2.9666(23)	.	304_555	N
Oa	Rb	2.9666(23)	.	304_556	N
Oa	Oa	1.275(9)	.	2_655	N
Oa	Oa	0.359(33)	.	3_565	N
Oa	Oa	1.3241(16)	.	4_665	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					
Rb	Rb	Rb	90.0	2_555	. 3_555 N
Rb	Rb	Rb	43.2(6)	2_555	. 4_555 N

Rb	Rb	Rb	90.0	2_555	.	101_544	N
Rb	Rb	Rb	90.0	2_555	.	101_545	N
Rb	Rb	Rb	90.0	2_555	.	101_554	N
Rb	Rb	Rb	90.0	2_555	.	101_555	N
Rb	Rb	Rb	80.81(11)	2_555	.	102_544	N
Rb	Rb	Rb	80.81(11)	2_555	.	102_545	N
Rb	Rb	Rb	80.81(11)	2_555	.	102_554	N
Rb	Rb	Rb	80.81(11)	2_555	.	102_555	N
Rb	Rb	Rb	90.0	2_555	.	103_544	N
Rb	Rb	Rb	90.0	2_555	.	103_545	N
Rb	Rb	Rb	90.0	2_555	.	103_554	N
Rb	Rb	Rb	90.0	2_555	.	103_555	N
Rb	Rb	Rb	81.75(11)	2_555	.	104_544	N
Rb	Rb	Rb	81.75(11)	2_555	.	104_545	N
Rb	Rb	Rb	79.76(12)	2_555	.	104_554	N
Rb	Rb	Rb	79.76(12)	2_555	.	104_555	N
Rb	Rb	Rb	42.7093(14)	2_555	.	201_454	N
Rb	Rb	Rb	42.7094(14)	2_555	.	201_455	N
Rb	Rb	Rb	137.2906(14)	2_555	.	201_554	N
Rb	Rb	Rb	137.2906(14)	2_555	.	201_555	N
Rb	Rb	Rb	37.13(6)	2_555	.	202_454	N
Rb	Rb	Rb	37.13(6)	2_555	.	202_455	N
Rb	Rb	Rb	46.8(6)	3_555	.	4_555	N
Rb	Rb	Rb	42.9229(11)	3_555	.	101_544	N
Rb	Rb	Rb	42.9229(11)	3_555	.	101_545	N
Rb	Rb	Rb	137.0771(11)	3_555	.	101_554	N
Rb	Rb	Rb	137.0771(11)	3_555	.	101_555	N
Rb	Rb	Rb	43.707(19)	3_555	.	102_544	N
Rb	Rb	Rb	43.707(19)	3_555	.	102_545	N
Rb	Rb	Rb	136.292(19)	3_555	.	102_554	N
Rb	Rb	Rb	136.292(19)	3_555	.	102_555	N
Rb	Rb	Rb	37.61(5)	3_555	.	103_544	N
Rb	Rb	Rb	37.61(5)	3_555	.	103_545	N
Rb	Rb	Rb	130.45(7)	3_555	.	103_554	N
Rb	Rb	Rb	130.45(7)	3_555	.	103_555	N
Rb	Rb	Rb	38.38(6)	3_555	.	104_544	N
Rb	Rb	Rb	38.38(6)	3_555	.	104_545	N
Rb	Rb	Rb	129.68(6)	3_555	.	104_554	N
Rb	Rb	Rb	129.68(6)	3_555	.	104_555	N
Rb	Rb	Rb	90.0	3_555	.	201_454	N
Rb	Rb	Rb	90.0	3_555	.	201_455	N
Rb	Rb	Rb	90.0	3_555	.	201_554	N
Rb	Rb	Rb	90.0	3_555	.	201_555	N
Rb	Rb	Rb	90.0	3_555	.	202_454	N
Rb	Rb	Rb	90.0	3_555	.	202_455	N
Rb	Rb	Rb	59.9(4)	4_555	.	101_544	N
Rb	Rb	Rb	59.9(4)	4_555	.	101_545	N
Rb	Rb	Rb	120.1(4)	4_555	.	101_554	N
Rb	Rb	Rb	120.1(4)	4_555	.	101_555	N
Rb	Rb	Rb	52.35(23)	4_555	.	102_544	N
Rb	Rb	Rb	52.35(23)	4_555	.	102_545	N
Rb	Rb	Rb	112.2(5)	4_555	.	102_554	N
Rb	Rb	Rb	112.2(5)	4_555	.	102_555	N
Rb	Rb	Rb	57.2(4)	4_555	.	103_544	N
Rb	Rb	Rb	57.2(4)	4_555	.	103_545	N
Rb	Rb	Rb	116.34(28)	4_555	.	103_554	N
Rb	Rb	Rb	116.34(28)	4_555	.	103_555	N
Rb	Rb	Rb	50.15(31)	4_555	.	104_544	N
Rb	Rb	Rb	50.15(31)	4_555	.	104_545	N
Rb	Rb	Rb	107.9(4)	4_555	.	104_554	N
Rb	Rb	Rb	107.9(4)	4_555	.	104_555	N
Rb	Rb	Rb	57.6(4)	4_555	.	201_454	N
Rb	Rb	Rb	57.6(4)	4_555	.	201_455	N
Rb	Rb	Rb	122.4(4)	4_555	.	201_554	N
Rb	Rb	Rb	122.4(4)	4_555	.	201_555	N
Rb	Rb	Rb	54.4(4)	4_555	.	202_454	N



Rb	Rb	Rb	54.4(4)	4_555	.	202_455	N
Rb	Rb	Rb	85.8458(22)	101_544	.	101_545	N
Rb	Rb	Rb	94.1542(22)	101_544	.	101_554	N
Rb	Rb	Rb	180.0	101_544	.	101_555	N
Rb	Rb	Rb	9.19(11)	101_544	.	102_544	N
Rb	Rb	Rb	85.8992(26)	101_544	.	102_545	N
Rb	Rb	Rb	94.1008(26)	101_544	.	102_554	N
Rb	Rb	Rb	170.81(11)	101_544	.	102_555	N
Rb	Rb	Rb	5.31(5)	101_544	.	103_544	N
Rb	Rb	Rb	80.54(5)	101_544	.	103_545	N
Rb	Rb	Rb	87.53(7)	101_544	.	103_554	N
Rb	Rb	Rb	173.38(7)	101_544	.	103_555	N
Rb	Rb	Rb	9.80(7)	101_544	.	104_544	N
Rb	Rb	Rb	80.64(5)	101_544	.	104_545	N
Rb	Rb	Rb	87.57(7)	101_544	.	104_554	N
Rb	Rb	Rb	167.82(8)	101_544	.	104_555	N
Rb	Rb	Rb	62.4891(10)	101_544	.	201_454	N
Rb	Rb	Rb	117.5109(10)	101_544	.	201_455	N
Rb	Rb	Rb	62.4891(10)	101_544	.	201_554	N
Rb	Rb	Rb	117.5109(10)	101_544	.	201_555	N
Rb	Rb	Rb	65.73(4)	101_544	.	202_454	N
Rb	Rb	Rb	114.27(4)	101_544	.	202_455	N
Rb	Rb	Rb	180.0	101_545	.	101_554	N
Rb	Rb	Rb	94.1542(22)	101_545	.	101_555	N
Rb	Rb	Rb	85.8992(26)	101_545	.	102_544	N
Rb	Rb	Rb	9.19(11)	101_545	.	102_545	N
Rb	Rb	Rb	170.81(11)	101_545	.	102_554	N
Rb	Rb	Rb	94.1008(26)	101_545	.	102_555	N
Rb	Rb	Rb	80.54(5)	101_545	.	103_544	N
Rb	Rb	Rb	5.31(5)	101_545	.	103_545	N
Rb	Rb	Rb	173.38(7)	101_545	.	103_554	N
Rb	Rb	Rb	87.53(7)	101_545	.	103_555	N
Rb	Rb	Rb	80.64(5)	101_545	.	104_544	N
Rb	Rb	Rb	9.80(7)	101_545	.	104_545	N
Rb	Rb	Rb	167.82(8)	101_545	.	104_554	N
Rb	Rb	Rb	87.57(7)	101_545	.	104_555	N
Rb	Rb	Rb	117.5109(10)	101_545	.	201_454	N
Rb	Rb	Rb	62.4891(10)	101_545	.	201_455	N
Rb	Rb	Rb	117.5109(10)	101_545	.	201_554	N
Rb	Rb	Rb	62.4891(10)	101_545	.	201_555	N
Rb	Rb	Rb	114.27(4)	101_545	.	202_454	N
Rb	Rb	Rb	65.73(4)	101_545	.	202_455	N
Rb	Rb	Rb	85.8458(22)	101_554	.	101_555	N
Rb	Rb	Rb	94.1008(26)	101_554	.	102_544	N
Rb	Rb	Rb	170.81(11)	101_554	.	102_545	N
Rb	Rb	Rb	9.19(11)	101_554	.	102_554	N
Rb	Rb	Rb	85.8992(26)	101_554	.	102_555	N
Rb	Rb	Rb	99.46(5)	101_554	.	103_544	N
Rb	Rb	Rb	174.69(5)	101_554	.	103_545	N
Rb	Rb	Rb	6.63(7)	101_554	.	103_554	N
Rb	Rb	Rb	92.47(7)	101_554	.	103_555	N
Rb	Rb	Rb	99.36(5)	101_554	.	104_544	N
Rb	Rb	Rb	170.20(7)	101_554	.	104_545	N
Rb	Rb	Rb	12.18(8)	101_554	.	104_554	N
Rb	Rb	Rb	92.43(7)	101_554	.	104_555	N
Rb	Rb	Rb	62.4891(10)	101_554	.	201_454	N
Rb	Rb	Rb	117.5109(10)	101_554	.	201_455	N
Rb	Rb	Rb	62.4891(10)	101_554	.	201_554	N
Rb	Rb	Rb	117.5109(10)	101_554	.	201_555	N
Rb	Rb	Rb	65.73(4)	101_554	.	202_454	N
Rb	Rb	Rb	114.27(4)	101_554	.	202_455	N
Rb	Rb	Rb	170.81(11)	101_555	.	102_544	N
Rb	Rb	Rb	94.1008(26)	101_555	.	102_545	N
Rb	Rb	Rb	85.8992(26)	101_555	.	102_554	N
Rb	Rb	Rb	9.19(11)	101_555	.	102_555	N
Rb	Rb	Rb	174.69(5)	101_555	.	103_544	N

Rb	Rb	Rb	99.46(5)	101_555	.	103_545	N
Rb	Rb	Rb	92.47(7)	101_555	.	103_554	N
Rb	Rb	Rb	6.63(7)	101_555	.	103_555	N
Rb	Rb	Rb	170.20(7)	101_555	.	104_544	N
Rb	Rb	Rb	99.36(5)	101_555	.	104_545	N
Rb	Rb	Rb	92.43(7)	101_555	.	104_554	N
Rb	Rb	Rb	12.18(8)	101_555	.	104_555	N
Rb	Rb	Rb	117.5109(10)	101_555	.	201_454	N
Rb	Rb	Rb	62.4891(10)	101_555	.	201_455	N
Rb	Rb	Rb	117.5109(10)	101_555	.	201_554	N
Rb	Rb	Rb	62.4891(10)	101_555	.	201_555	N
Rb	Rb	Rb	114.27(4)	101_555	.	202_454	N
Rb	Rb	Rb	65.73(4)	101_555	.	202_455	N
Rb	Rb	Rb	84.486(33)	102_544	.	102_545	N
Rb	Rb	Rb	92.59(4)	102_544	.	102_554	N
Rb	Rb	Rb	161.63(22)	102_544	.	102_555	N
Rb	Rb	Rb	10.60(8)	102_544	.	103_544	N
Rb	Rb	Rb	80.66(5)	102_544	.	103_545	N
Rb	Rb	Rb	87.56(7)	102_544	.	103_554	N
Rb	Rb	Rb	168.69(7)	102_544	.	103_555	N
Rb	Rb	Rb	5.33(5)	102_544	.	104_544	N
Rb	Rb	Rb	79.424(32)	102_544	.	104_545	N
Rb	Rb	Rb	85.97(5)	102_544	.	104_554	N
Rb	Rb	Rb	159.48(20)	102_544	.	104_555	N
Rb	Rb	Rb	55.02(9)	102_544	.	201_454	N
Rb	Rb	Rb	109.80(10)	102_544	.	201_455	N
Rb	Rb	Rb	70.20(10)	102_544	.	201_554	N
Rb	Rb	Rb	124.98(9)	102_544	.	201_555	N
Rb	Rb	Rb	57.79(6)	102_544	.	202_454	N
Rb	Rb	Rb	106.17(14)	102_544	.	202_455	N
Rb	Rb	Rb	161.63(22)	102_545	.	102_554	N
Rb	Rb	Rb	92.59(4)	102_545	.	102_555	N
Rb	Rb	Rb	80.66(5)	102_545	.	103_544	N
Rb	Rb	Rb	10.60(8)	102_545	.	103_545	N
Rb	Rb	Rb	168.69(7)	102_545	.	103_554	N
Rb	Rb	Rb	87.56(7)	102_545	.	103_555	N
Rb	Rb	Rb	79.424(32)	102_545	.	104_544	N
Rb	Rb	Rb	5.33(5)	102_545	.	104_545	N
Rb	Rb	Rb	159.48(20)	102_545	.	104_554	N
Rb	Rb	Rb	85.97(5)	102_545	.	104_555	N
Rb	Rb	Rb	109.80(10)	102_545	.	201_454	N
Rb	Rb	Rb	55.02(9)	102_545	.	201_455	N
Rb	Rb	Rb	124.98(9)	102_545	.	201_554	N
Rb	Rb	Rb	70.20(10)	102_545	.	201_555	N
Rb	Rb	Rb	106.17(14)	102_545	.	202_454	N
Rb	Rb	Rb	57.79(6)	102_545	.	202_455	N
Rb	Rb	Rb	84.486(33)	102_554	.	102_555	N
Rb	Rb	Rb	99.34(5)	102_554	.	103_544	N
Rb	Rb	Rb	169.40(8)	102_554	.	103_545	N
Rb	Rb	Rb	11.31(7)	102_554	.	103_554	N
Rb	Rb	Rb	92.44(7)	102_554	.	103_555	N
Rb	Rb	Rb	97.92(8)	102_554	.	104_544	N
Rb	Rb	Rb	161.78(20)	102_554	.	104_545	N
Rb	Rb	Rb	6.61(7)	102_554	.	104_554	N
Rb	Rb	Rb	90.77(10)	102_554	.	104_555	N
Rb	Rb	Rb	55.02(9)	102_554	.	201_454	N
Rb	Rb	Rb	109.80(10)	102_554	.	201_455	N
Rb	Rb	Rb	70.20(10)	102_554	.	201_554	N
Rb	Rb	Rb	124.98(9)	102_554	.	201_555	N
Rb	Rb	Rb	57.79(6)	102_554	.	202_454	N
Rb	Rb	Rb	106.17(14)	102_554	.	202_455	N
Rb	Rb	Rb	169.40(8)	102_555	.	103_544	N
Rb	Rb	Rb	99.34(5)	102_555	.	103_545	N
Rb	Rb	Rb	92.44(7)	102_555	.	103_554	N
Rb	Rb	Rb	11.31(7)	102_555	.	103_555	N
Rb	Rb	Rb	161.78(20)	102_555	.	104_544	N

Rb	Rb	Rb	97.92(8)	102_555	.	104_545	N
Rb	Rb	Rb	90.77(10)	102_555	.	104_554	N
Rb	Rb	Rb	6.61(7)	102_555	.	104_555	N
Rb	Rb	Rb	109.80(10)	102_555	.	201_454	N
Rb	Rb	Rb	55.02(9)	102_555	.	201_455	N
Rb	Rb	Rb	124.98(9)	102_555	.	201_554	N
Rb	Rb	Rb	70.20(10)	102_555	.	201_555	N
Rb	Rb	Rb	106.17(14)	102_555	.	202_454	N
Rb	Rb	Rb	57.79(6)	102_555	.	202_455	N
Rb	Rb	Rb	75.23(10)	103_544	.	103_545	N
Rb	Rb	Rb	92.839(27)	103_544	.	103_554	N
Rb	Rb	Rb	168.07(12)	103_544	.	103_555	N
Rb	Rb	Rb	8.25(11)	103_544	.	104_544	N
Rb	Rb	Rb	75.38(10)	103_544	.	104_545	N
Rb	Rb	Rb	92.793(26)	103_544	.	104_554	N
Rb	Rb	Rb	164.32(7)	103_544	.	104_555	N
Rb	Rb	Rb	65.545(28)	103_544	.	201_454	N
Rb	Rb	Rb	114.455(28)	103_544	.	201_455	N
Rb	Rb	Rb	65.545(28)	103_544	.	201_554	N
Rb	Rb	Rb	114.455(28)	103_544	.	201_555	N
Rb	Rb	Rb	68.383(22)	103_544	.	202_454	N
Rb	Rb	Rb	111.617(22)	103_544	.	202_455	N
Rb	Rb	Rb	168.07(12)	103_545	.	103_554	N
Rb	Rb	Rb	92.839(27)	103_545	.	103_555	N
Rb	Rb	Rb	75.38(10)	103_545	.	104_544	N
Rb	Rb	Rb	8.25(11)	103_545	.	104_545	N
Rb	Rb	Rb	164.32(7)	103_545	.	104_554	N
Rb	Rb	Rb	92.793(26)	103_545	.	104_555	N
Rb	Rb	Rb	114.455(28)	103_545	.	201_454	N
Rb	Rb	Rb	65.545(28)	103_545	.	201_455	N
Rb	Rb	Rb	114.455(28)	103_545	.	201_554	N
Rb	Rb	Rb	65.545(28)	103_545	.	201_555	N
Rb	Rb	Rb	111.617(22)	103_545	.	202_454	N
Rb	Rb	Rb	68.383(22)	103_545	.	202_455	N
Rb	Rb	Rb	99.10(15)	103_554	.	103_555	N
Rb	Rb	Rb	92.809(26)	103_554	.	104_544	N
Rb	Rb	Rb	165.53(7)	103_554	.	104_545	N
Rb	Rb	Rb	10.24(12)	103_554	.	104_554	N
Rb	Rb	Rb	98.95(15)	103_554	.	104_555	N
Rb	Rb	Rb	58.93(4)	103_554	.	201_454	N
Rb	Rb	Rb	121.07(4)	103_554	.	201_455	N
Rb	Rb	Rb	58.93(4)	103_554	.	201_554	N
Rb	Rb	Rb	121.07(4)	103_554	.	201_555	N
Rb	Rb	Rb	62.66(7)	103_554	.	202_454	N
Rb	Rb	Rb	117.34(7)	103_554	.	202_455	N
Rb	Rb	Rb	165.53(7)	103_555	.	104_544	N
Rb	Rb	Rb	92.809(26)	103_555	.	104_545	N
Rb	Rb	Rb	98.95(15)	103_555	.	104_554	N
Rb	Rb	Rb	10.24(12)	103_555	.	104_555	N
Rb	Rb	Rb	121.07(4)	103_555	.	201_454	N
Rb	Rb	Rb	58.93(4)	103_555	.	201_455	N
Rb	Rb	Rb	121.07(4)	103_555	.	201_554	N
Rb	Rb	Rb	58.93(4)	103_555	.	201_555	N
Rb	Rb	Rb	117.34(7)	103_555	.	202_454	N
Rb	Rb	Rb	62.66(7)	103_555	.	202_455	N
Rb	Rb	Rb	74.32(8)	104_544	.	104_545	N
Rb	Rb	Rb	91.302(25)	104_544	.	104_554	N
Rb	Rb	Rb	158.02(15)	104_544	.	104_555	N
Rb	Rb	Rb	59.00(11)	104_544	.	201_454	N
Rb	Rb	Rb	107.72(7)	104_544	.	201_455	N
Rb	Rb	Rb	72.28(7)	104_544	.	201_554	N
Rb	Rb	Rb	121.00(11)	104_544	.	201_555	N
Rb	Rb	Rb	61.38(8)	104_544	.	202_454	N
Rb	Rb	Rb	104.49(11)	104_544	.	202_455	N
Rb	Rb	Rb	158.02(15)	104_545	.	104_554	N
Rb	Rb	Rb	91.302(25)	104_545	.	104_555	N

Rb	Rb	Rb	107.72(7)	104_545	.	201_454	N
Rb	Rb	Rb	59.00(11)	104_545	.	201_455	N
Rb	Rb	Rb	121.00(11)	104_545	.	201_554	N
Rb	Rb	Rb	72.28(7)	104_545	.	201_555	N
Rb	Rb	Rb	104.49(11)	104_545	.	202_454	N
Rb	Rb	Rb	61.38(8)	104_545	.	202_455	N
Rb	Rb	Rb	96.98(18)	104_554	.	104_555	N
Rb	Rb	Rb	50.31(7)	104_554	.	201_454	N
Rb	Rb	Rb	112.16(13)	104_554	.	201_455	N
Rb	Rb	Rb	67.84(13)	104_554	.	201_554	N
Rb	Rb	Rb	129.69(7)	104_554	.	201_555	N
Rb	Rb	Rb	53.57(5)	104_554	.	202_454	N
Rb	Rb	Rb	108.07(17)	104_554	.	202_455	N
Rb	Rb	Rb	112.16(13)	104_555	.	201_454	N
Rb	Rb	Rb	50.31(7)	104_555	.	201_455	N
Rb	Rb	Rb	129.69(7)	104_555	.	201_554	N
Rb	Rb	Rb	67.84(13)	104_555	.	201_555	N
Rb	Rb	Rb	108.07(17)	104_555	.	202_454	N
Rb	Rb	Rb	53.57(5)	104_555	.	202_455	N
Rb	Rb	Rb	85.4187(27)	201_454	.	201_455	N
Rb	Rb	Rb	94.5813(27)	201_454	.	201_554	N
Rb	Rb	Rb	180.0	201_454	.	201_555	N
Rb	Rb	Rb	5.58(6)	201_454	.	202_454	N
Rb	Rb	Rb	79.84(6)	201_454	.	202_455	N
Rb	Rb	Rb	180.0	201_455	.	201_554	N
Rb	Rb	Rb	94.5813(27)	201_455	.	201_555	N
Rb	Rb	Rb	79.84(6)	201_455	.	202_454	N
Rb	Rb	Rb	5.58(6)	201_455	.	202_455	N
Rb	Rb	Rb	85.4187(27)	201_554	.	201_555	N
Rb	Rb	Rb	100.16(6)	201_554	.	202_454	N
Rb	Rb	Rb	174.42(6)	201_554	.	202_455	N
Rb	Rb	Rb	174.42(6)	201_555	.	202_454	N
Rb	Rb	Rb	100.16(6)	201_555	.	202_455	N
Rb	Rb	Rb	74.26(12)	202_454	.	202_455	N
Rb	Oa	Rb	0.92(11)	101_555	.	102_555	N
Rb	Oa	Rb	16.87(16)	101_555	.	103_555	N
Rb	Oa	Rb	13.79(22)	101_555	.	104_555	N
Rb	Oa	Rb	112.0(6)	101_555	.	201_555	N
Rb	Oa	Rb	102.9(5)	101_555	.	201_565	N
Rb	Oa	Rb	99.4(6)	101_555	.	202_555	N
Rb	Oa	Rb	91.3(4)	101_555	.	202_565	N
Rb	Oa	Rb	106.7(5)	101_555	.	203_565	N
Rb	Oa	Rb	92.5(4)	101_555	.	204_565	N
Rb	Oa	Rb	108.41(8)	101_555	.	301_555	N
Rb	Oa	Rb	108.41(8)	101_555	.	301_556	N
Rb	Oa	Rb	95.52(10)	101_555	.	302_555	N
Rb	Oa	Rb	95.52(10)	101_555	.	302_556	N
Rb	Oa	Rb	109.02(14)	101_555	.	303_555	N
Rb	Oa	Rb	109.02(14)	101_555	.	303_556	N
Rb	Oa	Rb	96.28(20)	101_555	.	304_555	N
Rb	Oa	Rb	96.28(20)	101_555	.	304_556	N
Rb	Oa	Oa	176.2(5)	101_555	.	2_655	N
Rb	Oa	Oa	93.8(5)	101_555	.	3_655	N
Rb	Oa	Oa	168.1(19)	101_555	.	4_665	N
Rb	Oa	Rb	15.95(14)	102_555	.	103_555	N
Rb	Oa	Rb	12.87(15)	102_555	.	104_555	N
Rb	Oa	Rb	111.1(5)	102_555	.	201_555	N
Rb	Oa	Rb	103.8(4)	102_555	.	201_565	N
Rb	Oa	Rb	98.5(5)	102_555	.	202_555	N
Rb	Oa	Rb	92.20(27)	102_555	.	202_565	N
Rb	Oa	Rb	107.6(4)	102_555	.	203_565	N
Rb	Oa	Rb	93.45(26)	102_555	.	204_565	N
Rb	Oa	Rb	108.48(8)	102_555	.	301_555	N
Rb	Oa	Rb	108.48(8)	102_555	.	301_556	N
Rb	Oa	Rb	95.57(11)	102_555	.	302_555	N
Rb	Oa	Rb	95.57(11)	102_555	.	302_556	N

Rb	Oa	Rb	108.88(13)	102_555	.	303_555	N
Rb	Oa	Rb	108.88(13)	102_555	.	303_556	N
Rb	Oa	Rb	96.13(18)	102_555	.	304_555	N
Rb	Oa	Rb	96.13(18)	102_555	.	304_556	N
Rb	Oa	Oa	177.11(35)	102_555	.	2_655	N
Rb	Oa	Oa	92.89(35)	102_555	.	3_565	N
Rb	Oa	Oa	167.2(18)	102_555	.	4_665	N
Rb	Oa	Rb	3.08(10)	103_555	.	104_555	N
Rb	Oa	Rb	95.2(6)	103_555	.	201_555	N
Rb	Oa	Rb	119.8(4)	103_555	.	201_565	N
Rb	Oa	Rb	82.5(5)	103_555	.	202_555	N
Rb	Oa	Rb	108.16(33)	103_555	.	202_565	N
Rb	Oa	Rb	123.6(4)	103_555	.	203_565	N
Rb	Oa	Rb	109.41(33)	103_555	.	204_565	N
Rb	Oa	Rb	108.79(15)	103_555	.	301_555	N
Rb	Oa	Rb	108.79(15)	103_555	.	301_556	N
Rb	Oa	Rb	96.22(20)	103_555	.	302_555	N
Rb	Oa	Rb	96.22(20)	103_555	.	302_556	N
Rb	Oa	Rb	105.73(25)	103_555	.	303_555	N
Rb	Oa	Rb	105.73(25)	103_555	.	303_556	N
Rb	Oa	Rb	93.30(27)	103_555	.	304_555	N
Rb	Oa	Rb	93.30(27)	103_555	.	304_556	N
Rb	Oa	Oa	166.9(4)	103_555	.	2_655	N
Rb	Oa	Oa	76.9(4)	103_555	.	3_565	N
Rb	Oa	Oa	151.2(19)	103_555	.	4_665	N
Rb	Oa	Rb	98.3(5)	104_555	.	201_555	N
Rb	Oa	Rb	116.69(33)	104_555	.	201_565	N
Rb	Oa	Rb	85.6(4)	104_555	.	202_555	N
Rb	Oa	Rb	105.08(26)	104_555	.	202_565	N
Rb	Oa	Rb	120.5(4)	104_555	.	203_565	N
Rb	Oa	Rb	106.32(26)	104_555	.	204_565	N
Rb	Oa	Rb	108.84(13)	104_555	.	301_555	N
Rb	Oa	Rb	108.84(13)	104_555	.	301_556	N
Rb	Oa	Rb	96.13(18)	104_555	.	302_555	N
Rb	Oa	Rb	96.13(18)	104_555	.	302_556	N
Rb	Oa	Rb	106.44(21)	104_555	.	303_555	N
Rb	Oa	Rb	106.44(21)	104_555	.	303_556	N
Rb	Oa	Rb	93.87(23)	104_555	.	304_555	N
Rb	Oa	Rb	93.87(23)	104_555	.	304_556	N
Rb	Oa	Oa	170.02(31)	104_555	.	2_655	N
Rb	Oa	Oa	80.02(31)	104_555	.	3_565	N
Rb	Oa	Oa	154.3(18)	104_555	.	4_665	N
Rb	Oa	Rb	145.05(18)	201_555	.	201_565	N
Rb	Oa	Rb	12.64(14)	201_555	.	202_555	N
Rb	Oa	Rb	156.67(23)	201_555	.	202_565	N
Rb	Oa	Rb	141.24(16)	201_555	.	203_565	N
Rb	Oa	Rb	155.42(25)	201_555	.	204_565	N
Rb	Oa	Rb	86.83(25)	201_555	.	301_555	N
Rb	Oa	Rb	86.83(25)	201_555	.	301_556	N
Rb	Oa	Rb	90.90(26)	201_555	.	302_555	N
Rb	Oa	Rb	90.90(26)	201_555	.	302_556	N
Rb	Oa	Rb	75.38(23)	201_555	.	303_555	N
Rb	Oa	Rb	75.38(23)	201_555	.	303_556	N
Rb	Oa	Rb	78.94(26)	201_555	.	304_555	N
Rb	Oa	Rb	78.94(26)	201_555	.	304_556	N
Rb	Oa	Oa	71.77(16)	201_555	.	2_655	N
Rb	Oa	Oa	18.23(16)	201_555	.	3_565	N
Rb	Oa	Oa	56.1(13)	201_555	.	4_665	N
Rb	Oa	Rb	157.70(12)	201_565	.	202_555	N
Rb	Oa	Rb	11.62(18)	201_565	.	202_565	N
Rb	Oa	Rb	3.81(4)	201_565	.	203_565	N
Rb	Oa	Rb	10.37(21)	201_565	.	204_565	N
Rb	Oa	Rb	82.13(31)	201_565	.	301_555	N
Rb	Oa	Rb	82.13(31)	201_565	.	301_556	N
Rb	Oa	Rb	85.6(4)	201_565	.	302_555	N
Rb	Oa	Rb	85.6(4)	201_565	.	302_556	N

Rb	Oa	Rb	93.67(31)	201_565	.	303_555	N
Rb	Oa	Rb	93.67(31)	201_565	.	303_556	N
Rb	Oa	Rb	97.71(33)	201_565	.	304_555	N
Rb	Oa	Rb	97.71(33)	201_565	.	304_556	N
Rb	Oa	Oa	73.28(8)	201_565	.	2_655	N
Rb	Oa	Oa	163.28(8)	201_565	.	3_565	N
Rb	Oa	Oa	89.0(15)	201_565	.	4_665	N
Rb	Oa	Rb	169.32(27)	202_555	.	202_565	N
Rb	Oa	Rb	153.89(10)	202_555	.	203_565	N
Rb	Oa	Rb	168.07(29)	202_555	.	204_565	N
Rb	Oa	Rb	90.90(26)	202_555	.	301_555	N
Rb	Oa	Rb	90.90(26)	202_555	.	301_556	N
Rb	Oa	Rb	92.26(30)	202_555	.	302_555	N
Rb	Oa	Rb	92.26(30)	202_555	.	302_556	N
Rb	Oa	Rb	78.95(26)	202_555	.	303_555	N
Rb	Oa	Rb	78.95(26)	202_555	.	303_556	N
Rb	Oa	Rb	79.72(30)	202_555	.	304_555	N
Rb	Oa	Rb	79.72(30)	202_555	.	304_556	N
Rb	Oa	Oa	84.41(17)	202_555	.	2_655	N
Rb	Oa	Oa	5.59(17)	202_555	.	3_565	N
Rb	Oa	Oa	68.7(13)	202_555	.	4_665	N
Rb	Oa	Rb	15.43(18)	202_565	.	203_565	N
Rb	Oa	Rb	1.248(31)	202_565	.	204_565	N
Rb	Oa	Rb	85.69(35)	202_565	.	301_555	N
Rb	Oa	Rb	85.69(35)	202_565	.	301_556	N
Rb	Oa	Rb	86.7(4)	202_565	.	302_555	N
Rb	Oa	Rb	86.7(4)	202_565	.	302_556	N
Rb	Oa	Rb	97.64(33)	202_565	.	303_555	N
Rb	Oa	Rb	97.64(33)	202_565	.	303_556	N
Rb	Oa	Rb	99.22(33)	202_565	.	304_555	N
Rb	Oa	Rb	99.22(33)	202_565	.	304_556	N
Rb	Oa	Oa	84.90(10)	202_565	.	2_655	N
Rb	Oa	Oa	174.90(10)	202_565	.	3_565	N
Rb	Oa	Oa	100.6(16)	202_565	.	4_665	N
Rb	Oa	Rb	14.18(21)	203_565	.	204_565	N
Rb	Oa	Rb	81.02(30)	203_565	.	301_555	N
Rb	Oa	Rb	81.02(30)	203_565	.	301_556	N
Rb	Oa	Rb	85.3(4)	203_565	.	302_555	N
Rb	Oa	Rb	85.3(4)	203_565	.	302_556	N
Rb	Oa	Rb	92.33(30)	203_565	.	303_555	N
Rb	Oa	Rb	92.33(30)	203_565	.	303_556	N
Rb	Oa	Rb	97.14(33)	203_565	.	304_555	N
Rb	Oa	Rb	97.14(33)	203_565	.	304_556	N
Rb	Oa	Oa	69.47(8)	203_565	.	2_655	N
Rb	Oa	Oa	159.47(8)	203_565	.	3_565	N
Rb	Oa	Oa	85.2(14)	203_565	.	4_665	N
Rb	Oa	Rb	85.3(4)	204_565	.	301_555	N
Rb	Oa	Rb	85.3(4)	204_565	.	301_556	N
Rb	Oa	Rb	86.6(4)	204_565	.	302_555	N
Rb	Oa	Rb	86.6(4)	204_565	.	302_556	N
Rb	Oa	Rb	97.23(34)	204_565	.	303_555	N
Rb	Oa	Rb	97.23(34)	204_565	.	303_556	N
Rb	Oa	Rb	99.07(34)	204_565	.	304_555	N
Rb	Oa	Rb	99.07(34)	204_565	.	304_556	N
Rb	Oa	Oa	83.65(13)	204_565	.	2_655	N
Rb	Oa	Oa	173.66(13)	204_565	.	3_565	N
Rb	Oa	Oa	99.4(16)	204_565	.	4_665	N
Rb	Oa	Rb	142.29(24)	301_555	.	301_556	N
Rb	Oa	Rb	12.92(16)	301_555	.	302_555	N
Rb	Oa	Rb	155.00(31)	301_555	.	302_556	N
Rb	Oa	Rb	12.00(12)	301_555	.	303_555	N
Rb	Oa	Rb	142.32(15)	301_555	.	303_556	N
Rb	Oa	Rb	17.92(8)	301_555	.	304_555	N
Rb	Oa	Rb	154.756(31)	301_555	.	304_556	N
Rb	Oa	Oa	71.36(9)	301_555	.	2_655	N
Rb	Oa	Oa	92.69(32)	301_555	.	3_565	N

Rb	Oa	Oa	72.84(19)	301_555	.	4_665	N
Rb	Oa	Rb	155.00(31)	301_556	.	302_555	N
Rb	Oa	Rb	12.92(16)	301_556	.	302_556	N
Rb	Oa	Rb	142.32(15)	301_556	.	303_555	N
Rb	Oa	Rb	12.00(12)	301_556	.	303_556	N
Rb	Oa	Rb	154.756(31)	301_556	.	304_555	N
Rb	Oa	Rb	17.92(8)	301_556	.	304_556	N
Rb	Oa	Oa	71.36(9)	301_556	.	2_655	N
Rb	Oa	Oa	92.69(32)	301_556	.	3_565	N
Rb	Oa	Oa	72.84(19)	301_556	.	4_665	N
Rb	Oa	Rb	167.2(5)	302_555	.	302_556	N
Rb	Oa	Rb	17.70(7)	302_555	.	303_555	N
Rb	Oa	Rb	154.906(32)	302_555	.	303_556	N
Rb	Oa	Rb	12.59(13)	302_555	.	304_555	N
Rb	Oa	Rb	166.67(19)	302_555	.	304_556	N
Rb	Oa	Oa	84.28(14)	302_555	.	2_655	N
Rb	Oa	Oa	92.83(33)	302_555	.	3_565	N
Rb	Oa	Oa	85.26(15)	302_555	.	4_665	N
Rb	Oa	Rb	154.906(32)	302_556	.	303_555	N
Rb	Oa	Rb	17.70(7)	302_556	.	303_556	N
Rb	Oa	Rb	166.67(19)	302_556	.	304_555	N
Rb	Oa	Rb	12.59(13)	302_556	.	304_556	N
Rb	Oa	Oa	84.28(14)	302_556	.	2_655	N
Rb	Oa	Oa	92.83(33)	302_556	.	3_565	N
Rb	Oa	Oa	85.26(15)	302_556	.	4_665	N
Rb	Oa	Rb	138.43(18)	303_555	.	303_556	N
Rb	Oa	Rb	12.77(16)	303_555	.	304_555	N
Rb	Oa	Rb	149.12(25)	303_555	.	304_556	N
Rb	Oa	Oa	71.59(10)	303_555	.	2_655	N
Rb	Oa	Oa	80.69(31)	303_555	.	3_565	N
Rb	Oa	Oa	69.64(14)	303_555	.	4_665	N
Rb	Oa	Rb	149.12(25)	303_556	.	304_555	N
Rb	Oa	Rb	12.77(16)	303_556	.	304_556	N
Rb	Oa	Oa	71.59(10)	303_556	.	2_655	N
Rb	Oa	Oa	80.69(31)	303_556	.	3_565	N
Rb	Oa	Oa	69.64(14)	303_556	.	4_665	N
Rb	Oa	Rb	157.4(5)	304_555	.	304_556	N
Rb	Oa	Oa	84.35(14)	304_555	.	2_655	N
Rb	Oa	Oa	80.23(32)	304_555	.	3_565	N
Rb	Oa	Oa	81.91(19)	304_555	.	4_665	N
Rb	Oa	Oa	84.35(14)	304_556	.	2_655	N
Rb	Oa	Oa	80.23(32)	304_556	.	3_565	N
Rb	Oa	Oa	81.91(19)	304_556	.	4_665	N
Oa	Oa	Oa	90.0	2_655	.	3_565	N
Oa	Oa	Oa	15.7(15)	2_655	.	4_665	N
Oa	Oa	Oa	74.3(15)	3_565	.	4_665	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_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
      Rb          4.0   -0.469   1.608
17.1784 1.78880 9.64350 17.3151 5.13990 0.27480 1.52920 164.934 3.48730
      International_Tables_Vol_C
      O           6.88   0.049   0.032
3.04850 13.2771 2.28680 5.70110 1.54630 0.32390 0.86700 32.9089 0.25080
      International_Tables_Vol_C
_diffraction_radiation_probe      x-ray
_diffraction_radiation_polarization_ratio      0.7
_diffraction_radiation_wavelength      1.54059
_diffraction_radiation_type          ?
_pd_proc_ls_profile_R_factor          0.0101
_pd_proc_ls_profile_wR_factor          0.0143
_pd_proc_ls_profile_wR_expected          0.0431
_refine_ls_R_Fsqd_factor          0.03820

_pd_proc_ls_background_function
;  GSAS Background function number 1 with 12 terms.
  Shifted Chebyshev function of 1st kind
      1:    505.106      2:    6.02265      3:   -10.7949      4:    5.24962
      5:    1.92834      6:    4.40346      7:    0.684686     8:   -2.09726
      9:    0.559522     10:   2.20724     11:   -2.70845     12:   5.564340E-02
;

_exptl_absorption_process_details
;  GSAS Absorption/surface roughness correction: function number 4
  Flat plate transmission absorption correction
Terms =          0.0000          0.0000
Correction is not refined.
;
_exptl_absorption_correction_T_min          1.00000
_exptl_absorption_correction_T_max          1.00000
# Extinction correction
_gsas_exptl_extinction_corr_T_min          1.00000
_gsas_exptl_extinction_corr_T_max          1.00000

_pd_proc_ls_profile_function
;
  CW Profile function number 4 with 18 terms
  Pseudovoigt profile coefficients as parameterized in
  P. Thompson, D.E. Cox & J.B. Hastings (1987). J. Appl. Cryst., 20, 79-83.
  Asymmetry correction of L.W. Finger, D.E. Cox & A. P. Jephcoat (1994).
  J. Appl. Cryst., 27, 892-900.
  Microstrain broadening by P.W. Stephens, (1999). J. Appl. Cryst., 32, 281-289.
#1(GU) = 39.276 #2(GV) = -29.209 #3(GW) = 15.593
#4(GP) = 0.787 #5(LX) = 0.000 #6(ptec) = 0.00

```

```

#7(trns) =      0.00 #8(shft) =    0.0000 #9(sfec) =      0.00
#10(S/L) =    0.0360 #11(H/L) =    0.0360 #12(eta) =    1.0000
#13(S400 ) =  1.6E+02 #14(S040 ) =  2.0E+01 #15(S004 ) =  4.6E+00
#16(S220 ) = -5.6E+01 #17(S202 ) =  0.0E+00 #18(S022 ) =  0.0E+00
Peak tails are ignored where the intensity is below 0.0010 times the peak
Aniso. broadening axis   1.0   1.0   0.0

```

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```

_pd_proc_ls_peak_cutoff 0.00100
_pd_proc_info_datetime   2010-12-01T11:01:08
_pd_calc_method          "Rietveld Refinement"

```

```

#---- raw/calc data loop -----
_pd_meas_2theta_range_min    10.01
_pd_meas_2theta_range_max    70.0
_pd_meas_2theta_range_inc    0.005
_pd_proc_2theta_range_min    11.3475
_pd_proc_2theta_range_max    71.3375
_pd_proc_2theta_range_inc    0.005

```

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loop_
  _pd_meas_counts_total
  _pd_proc_ls_weight
  _pd_proc_intensity_bkg_calc
  _pd_calc_intensity_total
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482.0	0.002075	478.93384	479.13040
487.0	0.002053	479.02737	479.22412
487.0	0.002053	479.12042	479.31735
485.0	0.002062	479.21301	479.41006
485.0	0.002062	479.30508	479.50232
486.0	0.002058	479.39667	479.59409
489.0	0.002045	479.48782	479.68542
482.0	0.002075	479.57846	479.77621
485.0	0.002062	479.66864	479.86658
486.0	0.002058	479.75836	479.95645
485.0	0.002062	479.84760	480.04587
479.0	0.002088	479.93634	480.13480
481.0	0.002079	480.02463	480.22327
483.0	0.002070	480.11246	480.31122
481.0	0.002079	480.19983	480.39880
482.0	0.002075	480.28674	480.48584
482.0	0.002075	480.37320	480.57248
482.0	0.002075	480.45917	480.65863
482.0	0.002075	480.54468	480.74432
479.0	0.002088	480.62976	480.82959
482.0	0.002075	480.71436	480.91434
484.0	0.002066	480.79852	480.99869
483.0	0.002070	480.88226	481.08258
484.0	0.002066	480.96552	481.16602
481.0	0.002079	481.04834	481.24902
486.0	0.002058	481.13071	481.33157
487.0	0.002053	481.21265	481.41367
485.0	0.002062	481.29416	481.49533
482.0	0.002075	481.37518	481.57657
484.0	0.002066	481.45578	481.65735
486.0	0.002058	481.53598	481.73767
483.0	0.002070	481.61572	481.81760
490.0	0.002041	481.69504	481.89709

485.0	0.002062	481.77390	481.97614
483.0	0.002070	481.85236	482.05478
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484.0	0.002066	482.00797	482.21072
488.0	0.002049	482.08511	482.28806
486.0	0.002058	482.16187	482.36499
482.0	0.002075	482.23819	482.44147
484.0	0.002066	482.31409	482.51758
486.0	0.002058	482.38959	482.59323
484.0	0.002066	482.46466	482.66849
478.0	0.002092	482.53931	482.74332
483.0	0.002070	482.61356	482.81772
485.0	0.002062	482.68738	482.89175
481.0	0.002079	482.76080	482.96533
486.0	0.002058	482.83380	483.03851
482.0	0.002075	482.90643	483.11130
485.0	0.002062	482.97864	483.18369
483.0	0.002070	483.05042	483.25568
483.0	0.002070	483.12183	483.32724
489.0	0.002045	483.19281	483.39841
485.0	0.002062	483.26343	483.46921
486.0	0.002058	483.33362	483.53958
484.0	0.002066	483.40341	483.60956
481.0	0.002079	483.47284	483.67917
483.0	0.002070	483.54184	483.74832
486.0	0.002058	483.61050	483.81717
485.0	0.002062	483.67874	483.88559
489.0	0.002045	483.74658	483.95361
488.0	0.002049	483.81406	484.02127
487.0	0.002053	483.88113	484.08853
487.0	0.002053	483.94785	484.15543
488.0	0.002049	484.01416	484.22189
486.0	0.002058	484.08011	484.28802
483.0	0.002070	484.14566	484.35376
485.0	0.002062	484.21085	484.41913
486.0	0.002058	484.27567	484.48413
485.0	0.002062	484.34009	484.54877
485.0	0.002062	484.40414	484.61301
482.0	0.002075	484.46786	484.67688
485.0	0.002062	484.53119	484.74039
485.0	0.002062	484.59415	484.80353
480.0	0.002083	484.65674	484.86633
482.0	0.002075	484.71896	484.92874
482.0	0.002075	484.78082	484.99078
487.0	0.002053	484.84235	485.05249
483.0	0.002070	484.90347	485.11380
479.0	0.002088	484.96426	485.17477
483.0	0.002070	485.02469	485.23538
485.0	0.002062	485.08478	485.29565
484.0	0.002066	485.14450	485.35556
485.0	0.002062	485.20386	485.41510
486.0	0.002058	485.26288	485.47433
493.0	0.002028	485.32156	485.53317
491.0	0.002037	485.37988	485.59167
489.0	0.002045	485.43784	485.64984
489.0	0.002045	485.49548	485.70764
487.0	0.002053	485.55276	485.76511
485.0	0.002062	485.60971	485.82224
479.0	0.002088	485.66632	485.87906
482.0	0.002075	485.72260	485.93552
477.0	0.002096	485.77850	485.99164
477.0	0.002096	485.83411	486.04742
481.0	0.002079	485.88934	486.10284
483.0	0.002070	485.94427	486.15796
485.0	0.002062	485.99887	486.21274
484.0	0.002066	486.05313	486.26721

479.0	0.002088	486.10706	486.32132
481.0	0.002079	486.16068	486.37509
486.0	0.002058	486.21396	486.42856
486.0	0.002058	486.26691	486.48172
488.0	0.002049	486.31952	486.53452
492.0	0.002033	486.37183	486.58704
490.0	0.002041	486.42383	486.63919
484.0	0.002066	486.47549	486.69104
483.0	0.002070	486.52682	486.74258
486.0	0.002058	486.57785	486.79382
487.0	0.002053	486.62857	486.84473
485.0	0.002062	486.67899	486.89532
486.0	0.002058	486.72906	486.94559
489.0	0.002045	486.77884	486.99557
489.0	0.002045	486.82831	487.04523
487.0	0.002053	486.87747	487.09457
485.0	0.002062	486.92633	487.14365
489.0	0.002045	486.97488	487.19238
487.0	0.002053	487.02313	487.24081
485.0	0.002062	487.07108	487.28897
484.0	0.002066	487.11871	487.33679
486.0	0.002058	487.16605	487.38431
483.0	0.002070	487.21307	487.43155
484.0	0.002066	487.25983	487.47849
484.0	0.002066	487.30627	487.52512
484.0	0.002066	487.35242	487.57147
484.0	0.002066	487.39828	487.61752
481.0	0.002079	487.44385	487.66327
480.0	0.002083	487.48914	487.70877
483.0	0.002070	487.53412	487.75394
485.0	0.002062	487.57880	487.79883
486.0	0.002058	487.62320	487.84341
484.0	0.002066	487.66733	487.88776
488.0	0.002049	487.71115	487.93179
489.0	0.002045	487.75473	487.97552
489.0	0.002045	487.79797	488.01901
486.0	0.002058	487.84097	488.06219
488.0	0.002049	487.88370	488.10510
492.0	0.002033	487.92612	488.14774
492.0	0.002033	487.96826	488.19009
487.0	0.002053	488.01016	488.23218
492.0	0.002033	488.05176	488.27399
491.0	0.002037	488.09311	488.31549
487.0	0.002053	488.13416	488.35678
487.0	0.002053	488.17496	488.39780
487.0	0.002053	488.21548	488.43848
486.0	0.002058	488.25574	488.47894
486.0	0.002058	488.29572	488.51913
487.0	0.002053	488.33542	488.55905
488.0	0.002049	488.37488	488.59869
485.0	0.002062	488.41409	488.63809
486.0	0.002058	488.45300	488.67725
489.0	0.002045	488.49167	488.71609
485.0	0.002062	488.53009	488.75473
489.0	0.002045	488.56824	488.79306
482.0	0.002075	488.60614	488.83118
484.0	0.002066	488.64377	488.86902
483.0	0.002070	488.68115	488.90659
486.0	0.002058	488.71829	488.94394
487.0	0.002053	488.75519	488.98102
488.0	0.002049	488.79181	489.01785
492.0	0.002033	488.82819	489.05444
491.0	0.002037	488.86432	489.09079
489.0	0.002045	488.90018	489.12686
494.0	0.002024	488.93582	489.16269
493.0	0.002028	488.97122	489.19827

493.0	0.002028	489.00635	489.23364
493.0	0.002028	489.04126	489.26874
488.0	0.002049	489.07593	489.30362
488.0	0.002049	489.11035	489.33826
487.0	0.002053	489.14453	489.37265
489.0	0.002045	489.17847	489.40680
486.0	0.002058	489.21216	489.44067
489.0	0.002045	489.24564	489.47437
485.0	0.002062	489.27887	489.50781
490.0	0.002041	489.31186	489.54102
490.0	0.002041	489.34464	489.57401
491.0	0.002037	489.37717	489.60672
489.0	0.002045	489.40948	489.63925
486.0	0.002058	489.44156	489.67154
485.0	0.002062	489.47342	489.70361
482.0	0.002075	489.50504	489.73544
489.0	0.002045	489.53644	489.76706
490.0	0.002041	489.56760	489.79843
488.0	0.002049	489.59857	489.82959
488.0	0.002049	489.62927	489.86053
492.0	0.002033	489.65979	489.89124
493.0	0.002028	489.69006	489.92172
493.0	0.002028	489.72012	489.95200
490.0	0.002041	489.75000	489.98206
493.0	0.002028	489.77960	490.01190
493.0	0.002028	489.80902	490.04153
491.0	0.002037	489.83823	490.07095
496.0	0.002016	489.86722	490.10016
495.0	0.002020	489.89600	490.12915
493.0	0.002028	489.92456	490.15793
491.0	0.002037	489.95291	490.18649
489.0	0.002045	489.98105	490.21484
488.0	0.002049	490.00897	490.24298
489.0	0.002045	490.03671	490.27094
486.0	0.002058	490.06424	490.29868
491.0	0.002037	490.09155	490.32623
487.0	0.002053	490.11865	490.35355
489.0	0.002045	490.14557	490.38068
485.0	0.002062	490.17227	490.40759
486.0	0.002058	490.19879	490.43433
487.0	0.002053	490.22510	490.46085
485.0	0.002062	490.25119	490.48715
489.0	0.002045	490.27713	490.51328
488.0	0.002049	490.30283	490.53922
492.0	0.002033	490.32834	490.56497
491.0	0.002037	490.35367	490.59052
491.0	0.002037	490.37878	490.61584
493.0	0.002028	490.40375	490.64099
495.0	0.002020	490.42847	490.66595
491.0	0.002037	490.45303	490.69077
492.0	0.002033	490.47739	490.71533
488.0	0.002049	490.50156	490.73972
495.0	0.002020	490.52554	490.76392
492.0	0.002033	490.54935	490.78796
498.0	0.002008	490.57297	490.81180
498.0	0.002008	490.59641	490.83545
494.0	0.002024	490.61966	490.85892
491.0	0.002037	490.64270	490.88220
490.0	0.002041	490.66559	490.90530
491.0	0.002037	490.68829	490.92822
492.0	0.002033	490.71082	490.95099
488.0	0.002049	490.73315	490.97354
491.0	0.002037	490.75534	490.99594
488.0	0.002049	490.77731	491.01816
485.0	0.002062	490.79913	491.04019
485.0	0.002062	490.82077	491.06204

486.0	0.002058	490.84222	491.08374
487.0	0.002053	490.86353	491.10526
489.0	0.002045	490.88464	491.12659
492.0	0.002033	490.90561	491.14777
490.0	0.002041	490.92639	491.16876
494.0	0.002024	490.94699	491.18964
492.0	0.002033	490.96744	491.21030
492.0	0.002033	490.98770	491.23080
490.0	0.002041	491.00781	491.25113
495.0	0.002020	491.02774	491.27130
495.0	0.002020	491.04752	491.29129
494.0	0.002024	491.06714	491.31116
492.0	0.002033	491.08658	491.33081
494.0	0.002024	491.10590	491.35034
493.0	0.002028	491.12500	491.36969
495.0	0.002020	491.14398	491.38892
492.0	0.002033	491.16278	491.40793
491.0	0.002037	491.18146	491.42682
495.0	0.002020	491.19995	491.44553
493.0	0.002028	491.21826	491.46411
490.0	0.002041	491.23645	491.48254
494.0	0.002024	491.25449	491.50079
492.0	0.002033	491.27237	491.51892
494.0	0.002024	491.29010	491.53683
492.0	0.002033	491.30768	491.55466
491.0	0.002037	491.32507	491.57233
496.0	0.002016	491.34235	491.58981
494.0	0.002024	491.35947	491.60718
489.0	0.002045	491.37643	491.62439
489.0	0.002045	491.39328	491.64142
490.0	0.002041	491.40994	491.65836
489.0	0.002045	491.42648	491.67514
492.0	0.002033	491.44287	491.69174
494.0	0.002024	491.45911	491.70822
497.0	0.002012	491.47522	491.72458
493.0	0.002028	491.49118	491.74075
488.0	0.002049	491.50699	491.75681
492.0	0.002033	491.52267	491.77271
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495.0	0.002020	491.55362	491.80414
493.0	0.002028	491.56888	491.81964
494.0	0.002024	491.58398	491.83499
494.0	0.002024	491.59900	491.85022
496.0	0.002016	491.61383	491.86533
495.0	0.002020	491.62857	491.88028
494.0	0.002024	491.64316	491.89511
495.0	0.002020	491.65759	491.90982
494.0	0.002024	491.67191	491.92438
492.0	0.002033	491.68610	491.93881
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489.0	0.002045	491.71408	491.96725
490.0	0.002041	491.72791	491.98129
488.0	0.002049	491.74158	491.99521
489.0	0.002045	491.75510	492.00900
491.0	0.002037	491.76852	492.02267
488.0	0.002049	491.78183	492.03619
491.0	0.002037	491.79498	492.04962
492.0	0.002033	491.80804	492.06290
493.0	0.002028	491.82095	492.07605
493.0	0.002028	491.83374	492.08911
494.0	0.002024	491.84644	492.10202
493.0	0.002028	491.85898	492.11484
494.0	0.002024	491.87143	492.12750
491.0	0.002037	491.88373	492.14008
490.0	0.002041	491.89594	492.15253
495.0	0.002020	491.90802	492.16486

496.0	0.002016	491.91998	492.17706
494.0	0.002024	491.93182	492.18918
496.0	0.002016	491.94357	492.20114
499.0	0.002004	491.95517	492.21301
497.0	0.002012	491.96667	492.22476
495.0	0.002020	491.97809	492.23639
489.0	0.002045	491.98935	492.24792
490.0	0.002041	492.00052	492.25934
491.0	0.002037	492.01160	492.27066
490.0	0.002041	492.02252	492.28183
493.0	0.002028	492.03336	492.29294
497.0	0.002012	492.04410	492.30392
495.0	0.002020	492.05472	492.31479
494.0	0.002024	492.06522	492.32556
488.0	0.002049	492.07562	492.33618
491.0	0.002037	492.08594	492.34677
493.0	0.002028	492.09613	492.35721
491.0	0.002037	492.10623	492.36755
490.0	0.002041	492.11621	492.37781
492.0	0.002033	492.12610	492.38794
494.0	0.002024	492.13589	492.39798
497.0	0.002012	492.14557	492.40793
494.0	0.002024	492.15515	492.41776
493.0	0.002028	492.16464	492.42752
491.0	0.002037	492.17404	492.43716
490.0	0.002041	492.18332	492.44669
490.0	0.002041	492.19250	492.45615
495.0	0.002020	492.20160	492.46548
492.0	0.002033	492.21060	492.47473
493.0	0.002028	492.21948	492.48389
490.0	0.002041	492.22830	492.49298
492.0	0.002033	492.23700	492.50192
493.0	0.002028	492.24564	492.51080
496.0	0.002016	492.25415	492.51959
494.0	0.002024	492.26257	492.52829
491.0	0.002037	492.27094	492.53690
491.0	0.002037	492.27917	492.54541
489.0	0.002045	492.28735	492.55380
492.0	0.002033	492.29541	492.56216
494.0	0.002024	492.30341	492.57037
496.0	0.002016	492.31128	492.57855
495.0	0.002020	492.31909	492.58664
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491.0	0.002037	492.33444	492.60251
488.0	0.002049	492.34201	492.61029
492.0	0.002033	492.34946	492.61804
488.0	0.002049	492.35684	492.62570
492.0	0.002033	492.36414	492.63324
489.0	0.002045	492.37137	492.64072
490.0	0.002041	492.37851	492.64813
488.0	0.002049	492.38556	492.65546
488.0	0.002049	492.39252	492.66269
490.0	0.002041	492.39941	492.66983
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493.0	0.002028	492.41962	492.69083
494.0	0.002024	492.42621	492.69769
490.0	0.002041	492.43268	492.70447
490.0	0.002041	492.43912	492.71115
491.0	0.002037	492.44547	492.71777
489.0	0.002045	492.45175	492.72430
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491.0	0.002037	492.46405	492.73718
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495.0	0.002020	492.47610	492.74976
496.0	0.002016	492.48203	492.75595

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495.0	0.002020	492.49362	492.76810
493.0	0.002028	492.49930	492.77408
495.0	0.002020	492.50494	492.77997
497.0	0.002012	492.51050	492.78580
495.0	0.002020	492.51599	492.79156
496.0	0.002016	492.52139	492.79727
494.0	0.002024	492.52676	492.80289
491.0	0.002037	492.53204	492.80844
496.0	0.002016	492.53726	492.81393
494.0	0.002024	492.54245	492.81940
495.0	0.002020	492.54752	492.82474
496.0	0.002016	492.55255	492.83005
496.0	0.002016	492.55753	492.83530
499.0	0.002004	492.56244	492.84048
496.0	0.002016	492.56726	492.84558
496.0	0.002016	492.57205	492.85068
495.0	0.002020	492.57678	492.85565
495.0	0.002020	492.58142	492.86060
495.0	0.002020	492.58603	492.86548
488.0	0.002049	492.59055	492.87027
490.0	0.002041	492.59503	492.87506
496.0	0.002016	492.59946	492.87976
496.0	0.002016	492.60382	492.88440
494.0	0.002024	492.60812	492.88898
496.0	0.002016	492.61237	492.89352
491.0	0.002037	492.61658	492.89801
490.0	0.002041	492.62070	492.90240
486.0	0.002058	492.62479	492.90677
491.0	0.002037	492.62881	492.91110
491.0	0.002037	492.63278	492.91534
488.0	0.002049	492.63672	492.91959
488.0	0.002049	492.64059	492.92371
486.0	0.002058	492.64441	492.92780
488.0	0.002049	492.64816	492.93188
488.0	0.002049	492.65189	492.93585
488.0	0.002049	492.65555	492.93982
492.0	0.002033	492.65915	492.94373
494.0	0.002024	492.66272	492.94757
488.0	0.002049	492.66623	492.95139
492.0	0.002033	492.66971	492.95511
492.0	0.002033	492.67313	492.95883
494.0	0.002024	492.67648	492.96249
495.0	0.002020	492.67981	492.96613
492.0	0.002033	492.68311	492.96967
493.0	0.002028	492.68631	492.97321
491.0	0.002037	492.68951	492.97668
492.0	0.002033	492.69266	492.98010
492.0	0.002033	492.69574	492.98352
493.0	0.002028	492.69879	492.98685
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491.0	0.002037	492.70477	492.99341
492.0	0.002033	492.70770	492.99661
493.0	0.002028	492.71057	492.99982
495.0	0.002020	492.71344	493.00296
491.0	0.002037	492.71622	493.00604
486.0	0.002058	492.71899	493.00909
489.0	0.002045	492.72171	493.01212
489.0	0.002045	492.72440	493.01511
493.0	0.002028	492.72702	493.01804
489.0	0.002045	492.72964	493.02094
493.0	0.002028	492.73221	493.02380
494.0	0.002024	492.73474	493.02664
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488.0	0.002049	492.73969	493.03217
492.0	0.002033	492.74210	493.03488

494.0	0.002024	492.74448	493.03757
496.0	0.002016	492.74683	493.04022
497.0	0.002012	492.74915	493.04285
496.0	0.002016	492.75143	493.04544
494.0	0.002024	492.75369	493.04800
494.0	0.002024	492.75589	493.05051
495.0	0.002020	492.75809	493.05301
495.0	0.002020	492.76022	493.05545
495.0	0.002020	492.76236	493.05786
493.0	0.002028	492.76443	493.06027
489.0	0.002045	492.76648	493.06262
490.0	0.002041	492.76852	493.06497
490.0	0.002041	492.77051	493.06726
490.0	0.002041	492.77249	493.06952
490.0	0.002041	492.77441	493.07178
493.0	0.002028	492.77631	493.07397
491.0	0.002037	492.77820	493.07617
491.0	0.002037	492.78006	493.07834
491.0	0.002037	492.78189	493.08044
492.0	0.002033	492.78369	493.08258
494.0	0.002024	492.78546	493.08466
493.0	0.002028	492.78720	493.08673
490.0	0.002041	492.78891	493.08875
490.0	0.002041	492.79062	493.09076
493.0	0.002028	492.79230	493.09274
491.0	0.002037	492.79395	493.09470
493.0	0.002028	492.79556	493.09662
496.0	0.002016	492.79715	493.09857
496.0	0.002016	492.79874	493.10046
496.0	0.002016	492.80029	493.10229
492.0	0.002033	492.80182	493.10419
498.0	0.002008	492.80334	493.10599
495.0	0.002020	492.80481	493.10779
493.0	0.002028	492.80630	493.10959
490.0	0.002041	492.80774	493.11136
497.0	0.002012	492.80917	493.11307
494.0	0.002024	492.81058	493.11484
491.0	0.002037	492.81198	493.11652
492.0	0.002033	492.81335	493.11823
490.0	0.002041	492.81470	493.11987
489.0	0.002045	492.81604	493.12155
490.0	0.002041	492.81735	493.12317
484.0	0.002066	492.81863	493.12482
486.0	0.002058	492.81995	493.12640
487.0	0.002053	492.82120	493.12799
489.0	0.002045	492.82245	493.12958
485.0	0.002062	492.82370	493.13113
488.0	0.002049	492.82489	493.13269
490.0	0.002041	492.82611	493.13419
490.0	0.002041	492.82730	493.13571
488.0	0.002049	492.82849	493.13724
489.0	0.002045	492.82965	493.13870
491.0	0.002037	492.83078	493.14020
491.0	0.002037	492.83194	493.14166
490.0	0.002041	492.83307	493.14313
494.0	0.002024	492.83417	493.14453
498.0	0.002008	492.83527	493.14597
498.0	0.002008	492.83636	493.14740
496.0	0.002016	492.83743	493.14880
495.0	0.002020	492.83850	493.15021
497.0	0.002012	492.83957	493.15158
495.0	0.002020	492.84061	493.15295
487.0	0.002053	492.84164	493.15433
492.0	0.002033	492.84268	493.15570
491.0	0.002037	492.84369	493.15704
490.0	0.002041	492.84470	493.15839



486.0	0.002058	492.84570	493.15973
493.0	0.002028	492.84671	493.16107
492.0	0.002033	492.84769	493.16238
490.0	0.002041	492.84866	493.16370
493.0	0.002028	492.84964	493.16501
489.0	0.002045	492.85062	493.16632
490.0	0.002041	492.85159	493.16763
493.0	0.002028	492.85254	493.16891
492.0	0.002033	492.85349	493.17020
493.0	0.002028	492.85443	493.17148
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490.0	0.002041	492.85632	493.17404
489.0	0.002045	492.85724	493.17532
490.0	0.002041	492.85818	493.17661
494.0	0.002024	492.85910	493.17786
498.0	0.002008	492.86002	493.17911
493.0	0.002028	492.86096	493.18036
494.0	0.002024	492.86188	493.18164
490.0	0.002041	492.86279	493.18289
490.0	0.002041	492.86371	493.18414
489.0	0.002045	492.86462	493.18542
496.0	0.002016	492.86551	493.18668
495.0	0.002020	492.86642	493.18793
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487.0	0.002053	492.86917	493.19171
489.0	0.002045	492.87009	493.19299
490.0	0.002041	492.87100	493.19421
490.0	0.002041	492.87192	493.19550
488.0	0.002049	492.87283	493.19675
486.0	0.002058	492.87375	493.19803
489.0	0.002045	492.87466	493.19931
489.0	0.002045	492.87558	493.20059
492.0	0.002033	492.87653	493.20184
495.0	0.002020	492.87744	493.20316
492.0	0.002033	492.87839	493.20441
491.0	0.002037	492.87930	493.20572
495.0	0.002020	492.88025	493.20703
494.0	0.002024	492.88120	493.20828
491.0	0.002037	492.88214	493.20959
491.0	0.002037	492.88309	493.21091
493.0	0.002028	492.88406	493.21222
494.0	0.002024	492.88501	493.21356
495.0	0.002020	492.88599	493.21487
494.0	0.002024	492.88696	493.21619
496.0	0.002016	492.88794	493.21756
496.0	0.002016	492.88895	493.21890
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493.0	0.002028	492.89297	493.22437
491.0	0.002037	492.89398	493.22577
493.0	0.002028	492.89502	493.22714
491.0	0.002037	492.89606	493.22858
493.0	0.002028	492.89713	493.22998
490.0	0.002041	492.89816	493.23141
488.0	0.002049	492.89926	493.23285
489.0	0.002045	492.90033	493.23428
489.0	0.002045	492.90143	493.23575
487.0	0.002053	492.90253	493.23721
486.0	0.002058	492.90363	493.23868
489.0	0.002045	492.90475	493.24017
490.0	0.002041	492.90588	493.24167
490.0	0.002041	492.90701	493.24319
490.0	0.002041	492.90817	493.24469
495.0	0.002020	492.90933	493.24628

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492.0	0.002033	492.91171	493.24936
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493.0	0.002028	492.91412	493.25256
494.0	0.002024	492.91537	493.25415
493.0	0.002028	492.91660	493.25577
490.0	0.002041	492.91788	493.25739
492.0	0.002033	492.91913	493.25903
492.0	0.002033	492.92041	493.26068
493.0	0.002028	492.92172	493.26236
489.0	0.002045	492.92303	493.26407
486.0	0.002058	492.92435	493.26575
491.0	0.002037	492.92569	493.26749
490.0	0.002041	492.92706	493.26923
490.0	0.002041	492.92844	493.27100
494.0	0.002024	492.92981	493.27274
489.0	0.002045	492.93121	493.27454
488.0	0.002049	492.93265	493.27634
486.0	0.002058	492.93408	493.27817
491.0	0.002037	492.93555	493.28000
495.0	0.002020	492.93701	493.28186
495.0	0.002020	492.93851	493.28372
493.0	0.002028	492.94000	493.28561
492.0	0.002033	492.94153	493.28754
495.0	0.002020	492.94305	493.28943
497.0	0.002012	492.94461	493.29138
492.0	0.002033	492.94620	493.29337
493.0	0.002028	492.94778	493.29535
494.0	0.002024	492.94940	493.29733
494.0	0.002024	492.95105	493.29938
493.0	0.002028	492.95270	493.30142
491.0	0.002037	492.95438	493.30350
492.0	0.002033	492.95605	493.30557
490.0	0.002041	492.95776	493.30765
489.0	0.002045	492.95950	493.30978
491.0	0.002037	492.96124	493.31192
494.0	0.002024	492.96301	493.31409
492.0	0.002033	492.96481	493.31628
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487.0	0.002053	492.97031	493.32297
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491.0	0.002037	492.97601	493.32986
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490.0	0.002041	492.97992	493.33459
490.0	0.002041	492.98190	493.33698
493.0	0.002028	492.98392	493.33936
493.0	0.002028	492.98593	493.34180
493.0	0.002028	492.98801	493.34424
492.0	0.002033	492.99008	493.34674
493.0	0.002028	492.99216	493.34924
491.0	0.002037	492.99429	493.35178
490.0	0.002041	492.99646	493.35434
488.0	0.002049	492.99863	493.35690
489.0	0.002045	493.00082	493.35950
491.0	0.002037	493.00302	493.36215
493.0	0.002028	493.00528	493.36481
490.0	0.002041	493.00754	493.36746
494.0	0.002024	493.00986	493.37018
494.0	0.002024	493.01218	493.37289
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492.0	0.002033	493.01929	493.38126
497.0	0.002012	493.02170	493.38412
491.0	0.002037	493.02414	493.38696

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493.0	0.002028	493.03421	493.39868
485.0	0.002062	493.03677	493.40167
486.0	0.002058	493.03940	493.40469
490.0	0.002041	493.04202	493.40778
489.0	0.002045	493.04468	493.41086
487.0	0.002053	493.04736	493.41394
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489.0	0.002045	493.05560	493.42346
490.0	0.002041	493.05841	493.42667
493.0	0.002028	493.06122	493.42993
495.0	0.002020	493.06409	493.43323
494.0	0.002024	493.06699	493.43652
495.0	0.002020	493.06989	493.43988
497.0	0.002012	493.07285	493.44324
494.0	0.002024	493.07581	493.44662
493.0	0.002028	493.07880	493.45007
492.0	0.002033	493.08185	493.45352
494.0	0.002024	493.08490	493.45700
497.0	0.002012	493.08798	493.46054
497.0	0.002012	493.09109	493.46408
491.0	0.002037	493.09424	493.46768
490.0	0.002041	493.09744	493.47128
488.0	0.002049	493.10065	493.47491
490.0	0.002041	493.10388	493.47858
487.0	0.002053	493.10715	493.48233
488.0	0.002049	493.11044	493.48605
491.0	0.002037	493.11377	493.48981
490.0	0.002041	493.11713	493.49362
487.0	0.002053	493.12054	493.49744
489.0	0.002045	493.12396	493.50128
496.0	0.002016	493.12741	493.50522
494.0	0.002024	493.13089	493.50912
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497.0	0.002012	493.13797	493.51709
493.0	0.002028	493.14154	493.52112
492.0	0.002033	493.14517	493.52515
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498.0	0.002008	493.15250	493.53339
495.0	0.002020	493.15622	493.53754
496.0	0.002016	493.15994	493.54175
493.0	0.002028	493.16373	493.54596
494.0	0.002024	493.16754	493.55020
494.0	0.002024	493.17139	493.55450
491.0	0.002037	493.17526	493.55884
491.0	0.002037	493.17917	493.56320
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491.0	0.002037	493.19919	493.58551
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487.0	0.002053	493.23740	493.62787
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493.0	0.002028	493.25076	493.64258

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494.0	0.002024	493.26443	493.65765
494.0	0.002024	493.26907	493.66278
496.0	0.002016	493.27371	493.66791
494.0	0.002024	493.27841	493.67307
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494.0	0.002024	493.28793	493.68350
494.0	0.002024	493.29272	493.68881
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490.0	0.002041	493.30737	493.70486
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490.0	0.002041	493.31732	493.71576
491.0	0.002037	493.32236	493.72125
494.0	0.002024	493.32739	493.72681
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492.0	0.002033	493.33765	493.73801
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489.0	0.002045	493.34802	493.74933
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493.0	0.002028	493.37460	493.77838
493.0	0.002028	493.38004	493.78430
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497.0	0.002012	493.39655	493.80228
494.0	0.002024	493.40213	493.80835
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495.0	0.002020	493.41342	493.82059
497.0	0.002012	493.41910	493.82678
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497.0	0.002012	493.47208	493.88430
494.0	0.002024	493.47815	493.89083
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494.0	0.002024	493.49661	493.91043
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494.0	0.002024	493.50912	493.92349
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494.0	0.002024	493.58072	493.99532
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497.0	0.002012	493.59424	494.00838
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496.0	0.002016	493.67148	494.11801
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496.0	0.002016	493.80838	494.26474
493.0	0.002028	493.81638	494.27328
494.0	0.002024	493.82440	494.28189
495.0	0.002020	493.83249	494.29053
493.0	0.002028	493.84061	494.29919
496.0	0.002016	493.84875	494.30792
497.0	0.002012	493.85696	494.31668
494.0	0.002024	493.86520	494.32547
495.0	0.002020	493.87347	494.33432
493.0	0.002028	493.88177	494.34320
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497.0	0.002012	493.89856	494.36108
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497.0	0.002012	493.96725	494.43439
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493.0	0.002028	494.05682	494.52975
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499.0	0.002004	494.08450	494.55920
495.0	0.002020	494.09381	494.56909
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494.0	0.002024	494.12201	494.59909
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496.0	0.002016	494.16980	494.64987
498.0	0.002008	494.17947	494.66013

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497.0	0.002012	494.35040	494.84146
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491.0	0.002037	494.44574	494.94244
490.0	0.002041	494.45654	494.95386
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500.0	0.002000	494.47827	494.97690
497.0	0.002012	494.48917	494.98843
497.0	0.002012	494.50015	495.00003
501.0	0.001996	494.51114	495.01169
497.0	0.002012	494.52219	495.02338
495.0	0.002020	494.53326	495.03510
496.0	0.002016	494.54440	495.04688
496.0	0.002016	494.55557	495.05869
496.0	0.002016	494.56677	495.07053
496.0	0.002016	494.57803	495.08246
496.0	0.002016	494.58932	495.09439
496.0	0.002016	494.60065	495.10635
494.0	0.002024	494.61203	495.11838
499.0	0.002004	494.62344	495.13046
497.0	0.002012	494.63492	495.14255
498.0	0.002008	494.64639	495.15472
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496.0	0.002016	494.66953	495.17914
495.0	0.002020	494.68115	495.19144
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495.0	0.002020	494.71625	495.22849
494.0	0.002024	494.72803	495.24094
495.0	0.002020	494.73984	495.25345
497.0	0.002012	494.75171	495.26599
499.0	0.002004	494.76361	495.27853
498.0	0.002008	494.77554	495.29117
503.0	0.001988	494.78754	495.30383
502.0	0.001992	494.79956	495.31650
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503.0	0.001988	494.82373	495.34204
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499.0	0.002004	494.93451	495.45895
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496.0	0.002016	494.95956	495.48538
495.0	0.002020	494.97217	495.49866
498.0	0.002008	494.98480	495.51199
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496.0	0.002016	495.01019	495.53879
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498.0	0.002008	495.07431	495.60641
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495.0	0.002020	495.11328	495.64749
496.0	0.002016	495.12634	495.66125
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506.0	0.001976	501.57834	504.06381
508.0	0.001969	501.60052	504.09283
508.0	0.001969	501.62271	504.12186
507.0	0.001972	501.64493	504.15097
506.0	0.001976	501.66714	504.18008
507.0	0.001972	501.68936	504.20923
505.0	0.001980	501.71161	504.23846
506.0	0.001976	501.73386	504.26773
505.0	0.001980	501.75610	504.29703
506.0	0.001976	501.77835	504.32635
506.0	0.001976	501.80063	504.35577
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507.0	0.001972	501.86749	504.44412
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499.0	0.002004	501.91208	504.50327
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502.0	0.001992	501.95673	504.56259
502.0	0.001992	501.97906	504.59235
502.0	0.001992	502.00140	504.62210
497.0	0.002012	502.02374	504.65192
505.0	0.001980	502.04611	504.68179
502.0	0.001992	502.06845	504.71173
502.0	0.001992	502.09082	504.74167
499.0	0.002004	502.11319	504.77170
508.0	0.001969	502.13559	504.80173
507.0	0.001972	502.15796	504.83179
508.0	0.001969	502.18036	504.86197
506.0	0.001976	502.20276	504.89215
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507.0	0.001972	502.67450	505.53699
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547.0	0.001828	510.20523	541.68280
543.0	0.001842	510.22351	542.30115
544.0	0.001838	510.24176	542.93903
544.0	0.001838	510.25995	543.59717
543.0	0.001842	510.27817	544.27686
546.0	0.001832	510.29633	544.97894
542.0	0.001845	510.31445	545.70465
548.0	0.001825	510.33258	546.45520
550.0	0.001818	510.35065	547.23175
544.0	0.001838	510.36871	548.03607
546.0	0.001832	510.38675	548.86945
546.0	0.001832	510.40475	549.73376
541.0	0.001848	510.42273	550.63074
546.0	0.001832	510.44070	551.56256
552.0	0.001812	510.45862	552.53143
550.0	0.001818	510.47653	553.53979
550.0	0.001818	510.49442	554.59021
548.0	0.001825	510.51227	555.68591
552.0	0.001812	510.53009	556.82990
556.0	0.001799	510.54788	558.02588
551.0	0.001815	510.56567	559.27795
555.0	0.001802	510.58340	560.59015
559.0	0.001789	510.60114	561.96741
557.0	0.001795	510.61884	563.41467
556.0	0.001799	510.63651	564.93787

559.0	0.001789	510.65414	566.54291
564.0	0.001773	510.67175	568.23651
569.0	0.001757	510.68933	570.02570
568.0	0.001761	510.70691	571.91827
570.0	0.001754	510.72443	573.92236
577.0	0.001733	510.74194	576.04700
577.0	0.001733	510.75943	578.30139
572.0	0.001748	510.77689	580.69537
568.0	0.001761	510.79431	583.23956
576.0	0.001736	510.81171	585.94482
584.0	0.001712	510.82907	588.82269
591.0	0.001692	510.84644	591.88531
587.0	0.001704	510.86374	595.14508
593.0	0.001686	510.88104	598.61469
595.0	0.001681	510.89828	602.30750
595.0	0.001681	510.91553	606.23694
595.0	0.001681	510.93274	610.41650
602.0	0.001661	510.94992	614.85968
609.0	0.001642	510.96707	619.57947
612.0	0.001634	510.98419	624.58838
618.0	0.001618	511.00131	629.89807
630.0	0.001587	511.01837	635.51819
631.0	0.001585	511.03543	641.45679
635.0	0.001575	511.05243	647.71875
648.0	0.001543	511.06943	654.30634
657.0	0.001522	511.08636	661.21765
663.0	0.001508	511.10330	668.44702
674.0	0.001484	511.12021	675.98541
675.0	0.001481	511.13708	683.82080
683.0	0.001464	511.15393	691.94043
690.0	0.001449	511.17075	700.33282
700.0	0.001429	511.18756	708.99091
715.0	0.001399	511.20432	717.91565
722.0	0.001385	511.22104	727.11847
731.0	0.001368	511.23776	736.62366
740.0	0.001351	511.25443	746.46942
755.0	0.001325	511.27109	756.70587
763.0	0.001311	511.28772	767.39319
773.0	0.001294	511.30429	778.59656
791.0	0.001264	511.32086	790.38208
800.0	0.001250	511.33740	802.81097
810.0	0.001235	511.35391	815.93475
825.0	0.001212	511.37039	829.79071
846.0	0.001182	511.38684	844.39819
860.0	0.001163	511.40326	859.75653
871.0	0.001148	511.41965	875.84387
887.0	0.001127	511.43604	892.61786
904.0	0.001106	511.45236	910.01886
921.0	0.001086	511.46866	927.97607
943.0	0.001060	511.48495	946.41541
956.0	0.001046	511.50119	965.27106
980.0	0.001020	511.51740	984.49701
1007.0	0.000993	511.53360	1004.07764
1031.0	0.000970	511.54977	1024.03699
1051.0	0.000951	511.56589	1044.44006
1076.0	0.000929	511.58200	1065.39063
1088.0	0.000919	511.59808	1087.02222
1108.0	0.000903	511.61411	1109.48242
1127.0	0.000887	511.63013	1132.91663
1155.0	0.000866	511.64612	1157.44922
1189.0	0.000841	511.66208	1183.16760
1228.0	0.000814	511.67801	1210.10901
1262.0	0.000792	511.69391	1238.25232
1301.0	0.000769	511.70978	1267.51575
1330.0	0.000752	511.72562	1297.76038
1368.0	0.000731	511.74142	1328.80103

1404.0	0.000712	511.75720	1360.42126
1431.0	0.000699	511.77295	1392.39355
1459.0	0.000685	511.78867	1424.49927
1491.0	0.000671	511.80435	1456.54504
1515.0	0.000660	511.82001	1488.37170
1541.0	0.000649	511.83563	1519.85376
1579.0	0.000633	511.85126	1550.88586
1631.0	0.000613	511.86682	1581.36108
1673.0	0.000598	511.88235	1611.14307
1706.0	0.000586	511.89786	1640.03918
1707.0	0.000586	511.91333	1667.77954
1719.0	0.000582	511.92880	1694.00647
1760.0	0.000568	511.94421	1718.27625
1768.0	0.000566	511.95959	1740.07593
1774.0	0.000564	511.97498	1758.84766
1778.0	0.000562	511.99030	1774.02234
1792.0	0.000558	512.00562	1785.05054
1795.0	0.000557	512.02087	1791.43286
1776.0	0.000563	512.03607	1792.74231
1765.0	0.000567	512.05133	1788.64441
1761.0	0.000568	512.06647	1778.91211
1744.0	0.000573	512.08160	1763.44238
1713.0	0.000584	512.09674	1742.27112
1696.0	0.000590	512.11182	1715.58667
1667.0	0.000600	512.12689	1683.73547
1616.0	0.000619	512.14191	1647.21619
1576.0	0.000635	512.15692	1606.65833
1544.0	0.000648	512.17188	1562.78906
1505.0	0.000664	512.18683	1516.39026
1462.0	0.000684	512.20172	1468.25391
1415.0	0.000707	512.21655	1419.14160
1366.0	0.000732	512.23145	1369.75232
1325.0	0.000755	512.24622	1320.70190
1274.0	0.000785	512.26099	1272.51147
1216.0	0.000822	512.27576	1225.60669
1158.0	0.000864	512.29047	1180.32166
1110.0	0.000901	512.30518	1136.90723
1061.0	0.000943	512.31982	1095.54211
1023.0	0.000978	512.33447	1056.34314
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944.0	0.001059	512.37811	952.19452
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856.0	0.001168	512.42151	867.77094
832.0	0.001202	512.43591	843.70691
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779.0	0.001284	512.46466	801.12457
749.0	0.001335	512.47894	782.39294
722.0	0.001385	512.49323	765.22119
709.0	0.001410	512.50751	749.49884
697.0	0.001435	512.52173	735.11682
686.0	0.001458	512.53589	721.96899
672.0	0.001488	512.55005	709.95251
663.0	0.001508	512.56421	698.96954
660.0	0.001515	512.57825	688.92737
657.0	0.001522	512.59235	679.73883
648.0	0.001543	512.60638	671.32294
641.0	0.001560	512.62036	663.60431
642.0	0.001558	512.63434	656.51422
633.0	0.001580	512.64825	649.98962
627.0	0.001595	512.66217	643.97339
619.0	0.001616	512.67603	638.41400
613.0	0.001631	512.68988	633.26489
612.0	0.001634	512.70367	628.48468
606.0	0.001650	512.71741	624.03650

601.0	0.001664	512.73120	619.88733
593.0	0.001686	512.74487	616.00818
597.0	0.001675	512.75854	612.37317
596.0	0.001678	512.77222	608.95972
598.0	0.001672	512.78583	605.74774
597.0	0.001675	512.79938	602.71942
592.0	0.001689	512.81293	599.85931
583.0	0.001715	512.82648	597.15332
576.0	0.001736	512.83997	594.58942
578.0	0.001730	512.85339	592.15668
581.0	0.001721	512.86682	589.84528
576.0	0.001736	512.88019	587.64667
570.0	0.001754	512.89355	585.55304
573.0	0.001745	512.90692	583.55737
578.0	0.001730	512.92017	581.65332
579.0	0.001727	512.93347	579.83521
576.0	0.001736	512.94666	578.09772
574.0	0.001742	512.95990	576.43597
571.0	0.001751	512.97302	574.84576
573.0	0.001745	512.98615	573.32300
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570.0	0.001754	513.01233	570.46490
571.0	0.001751	513.02533	569.12299
568.0	0.001761	513.03833	567.83490
567.0	0.001764	513.05133	566.59808
574.0	0.001742	513.06427	565.40997
572.0	0.001748	513.07715	564.26788
570.0	0.001754	513.09003	563.16968
564.0	0.001773	513.10284	562.11322
562.0	0.001779	513.11566	561.09644
561.0	0.001783	513.12842	560.11755
558.0	0.001792	513.14117	559.17468
561.0	0.001783	513.15387	558.26611
560.0	0.001786	513.16656	557.39026
563.0	0.001776	513.17920	556.54578
563.0	0.001776	513.19177	555.73132
560.0	0.001786	513.20435	554.94525
562.0	0.001779	513.21692	554.18652
559.0	0.001789	513.22943	553.45392
557.0	0.001795	513.24188	552.74640
552.0	0.001812	513.25433	552.06274
558.0	0.001792	513.26672	551.40198
553.0	0.001808	513.27911	550.76312
544.0	0.001838	513.29144	550.14545
544.0	0.001838	513.30377	549.54797
552.0	0.001812	513.31604	548.96985
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555.0	0.001802	513.34052	547.86871
550.0	0.001818	513.35272	547.34424
552.0	0.001812	513.36487	546.83636
550.0	0.001818	513.37695	546.34430
547.0	0.001828	513.38904	545.86743
545.0	0.001835	513.40106	545.40546
545.0	0.001835	513.41309	544.95746
552.0	0.001812	513.42505	544.52313
550.0	0.001818	513.43701	544.10205
546.0	0.001832	513.44891	543.69342
548.0	0.001825	513.46082	543.29706
548.0	0.001825	513.47266	542.91266
550.0	0.001818	513.48444	542.53937
544.0	0.001838	513.49622	542.17706
545.0	0.001835	513.50800	541.82550
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540.0	0.001852	513.53137	541.15240
541.0	0.001848	513.54303	540.83032
538.0	0.001859	513.55463	540.51746

541.0	0.001848	513.56622	540.21356
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537.0	0.001862	513.58929	539.63116
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544.0	0.001838	513.61218	539.08118
543.0	0.001842	513.62360	538.81769
538.0	0.001859	513.63501	538.56152
543.0	0.001842	513.64636	538.31244
539.0	0.001855	513.65765	538.07031
539.0	0.001855	513.66895	537.83466
540.0	0.001852	513.68018	537.60565
543.0	0.001842	513.69141	537.38287
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539.0	0.001855	513.71368	536.95551
537.0	0.001862	513.72479	536.75043
539.0	0.001855	513.73590	536.55096
541.0	0.001848	513.74695	536.35699
545.0	0.001835	513.75793	536.16821
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549.0	0.001821	513.77985	535.80585
544.0	0.001838	513.79077	535.63196
546.0	0.001832	513.80164	535.46283
542.0	0.001845	513.81250	535.29822
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538.0	0.001859	513.84479	534.83069
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533.0	0.001876	513.92950	533.75684
531.0	0.001883	513.93988	533.63861
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541.0	0.001848	513.99158	533.09467
541.0	0.001848	514.00177	532.99493
547.0	0.001828	514.01196	532.89783
546.0	0.001832	514.02216	532.80365
548.0	0.001825	514.03229	532.71204
543.0	0.001842	514.04236	532.62317
548.0	0.001825	514.05243	532.53687
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545.0	0.001835	514.09235	532.21619
543.0	0.001842	514.10223	532.14191
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541.0	0.001848	514.13165	531.93256
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543.0	0.001842	514.18011	531.62555
543.0	0.001842	514.18970	531.57007
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543.0	0.001842	514.21820	531.41492
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533.0	0.001876	514.70190	530.81744
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535.0	0.001869	514.78241	531.08795
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535.0	0.001869	514.85876	531.46008
533.0	0.001876	514.86554	531.49878
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532.0	0.001880	514.88550	531.61993
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531.0	0.001883	514.89868	531.70465
531.0	0.001883	514.90521	531.74835
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533.0	0.001876	514.93097	531.93103
534.0	0.001873	514.93738	531.97870
534.0	0.001873	514.94366	532.02722
533.0	0.001876	514.94995	532.07654
530.0	0.001887	514.95624	532.12659
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533.0	0.001876	514.99908	532.50055
536.0	0.001866	515.00507	532.55725
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532.0	0.001880	515.01691	532.67328
532.0	0.001880	515.02283	532.73242
530.0	0.001887	515.02869	532.79254
526.0	0.001901	515.03448	532.85345
528.0	0.001894	515.04028	532.91516
524.0	0.001908	515.04602	532.97772
528.0	0.001894	515.05170	533.04132
529.0	0.001890	515.05743	533.10559
526.0	0.001901	515.06305	533.17065
529.0	0.001890	515.06866	533.23676
527.0	0.001898	515.07422	533.30365
531.0	0.001883	515.07977	533.37140
534.0	0.001873	515.08527	533.44006
534.0	0.001873	515.09076	533.50964
534.0	0.001873	515.09619	533.58002
529.0	0.001890	515.10162	533.65118
526.0	0.001901	515.10699	533.72345
529.0	0.001890	515.11230	533.79657
533.0	0.001876	515.11761	533.87048
533.0	0.001876	515.12292	533.94543
531.0	0.001883	515.12817	534.02118
532.0	0.001880	515.13336	534.09784
535.0	0.001869	515.13855	534.17554
532.0	0.001880	515.14368	534.25409
531.0	0.001883	515.14874	534.33368
531.0	0.001883	515.15381	534.41412
532.0	0.001880	515.15887	534.49548
531.0	0.001883	515.16388	534.57782
531.0	0.001883	515.16882	534.66119
531.0	0.001883	515.17377	534.74542
534.0	0.001873	515.17865	534.83069
533.0	0.001876	515.18353	534.91699



531.0	0.001883	515.18835	535.00415
528.0	0.001894	515.19318	535.09235
530.0	0.001887	515.19794	535.18152
531.0	0.001883	515.20270	535.27173
529.0	0.001890	515.20740	535.36298
529.0	0.001890	515.21204	535.45526
534.0	0.001873	515.21667	535.54852
532.0	0.001880	515.22125	535.64294
528.0	0.001894	515.22583	535.73822
529.0	0.001890	515.23035	535.83478
533.0	0.001876	515.23486	535.93219
531.0	0.001883	515.23932	536.03082
530.0	0.001887	515.24377	536.13049
532.0	0.001880	515.24817	536.23126
535.0	0.001869	515.25250	536.33313
536.0	0.001866	515.25684	536.43604
530.0	0.001887	515.26117	536.54016
534.0	0.001873	515.26538	536.64539
533.0	0.001876	515.26965	536.75171
526.0	0.001901	515.27386	536.85919
528.0	0.001894	515.27802	537.55615
532.0	0.001880	515.28210	537.66754
530.0	0.001887	515.28625	537.78015
529.0	0.001890	515.29028	537.89380
531.0	0.001883	515.29431	538.00885
535.0	0.001869	515.29834	538.12512
533.0	0.001876	515.30231	538.24255
533.0	0.001876	515.30621	538.36115
537.0	0.001862	515.31012	538.48120
536.0	0.001866	515.31396	538.60236
537.0	0.001862	515.31781	538.72473
536.0	0.001866	515.32159	538.84857
538.0	0.001859	515.32538	538.97369
540.0	0.001852	515.32910	539.10010
542.0	0.001845	515.33276	539.22784
532.0	0.001880	515.33643	539.35693
529.0	0.001890	515.34009	539.48730
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533.0	0.001876	515.34723	539.75226
537.0	0.001862	515.35077	539.88684
535.0	0.001869	515.35425	540.02289
536.0	0.001866	515.35773	540.16028
534.0	0.001873	515.36121	540.29913
531.0	0.001883	515.36456	540.43951
529.0	0.001890	515.36792	540.58130
533.0	0.001876	515.37128	540.72455
535.0	0.001869	515.37457	540.86932
533.0	0.001876	515.37787	541.01563
533.0	0.001876	515.38110	541.16357
530.0	0.001887	515.38428	541.31293
530.0	0.001887	515.38745	541.46387
530.0	0.001887	515.39056	541.61639
529.0	0.001890	515.39368	541.77069
531.0	0.001883	515.39679	541.92645
535.0	0.001869	515.39978	542.08386
541.0	0.001848	515.40283	542.24286
538.0	0.001859	515.40576	542.40369
541.0	0.001848	515.40875	542.56604
546.0	0.001832	515.41162	542.73016
538.0	0.001859	515.41449	542.89606
536.0	0.001866	515.41736	543.06372
537.0	0.001862	515.42017	543.23303
538.0	0.001859	515.42291	543.40430
535.0	0.001869	515.42566	543.57733
536.0	0.001866	515.42841	543.75220
542.0	0.001845	515.43109	543.92883

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536.0	0.001866	515.43634	544.28778
531.0	0.001883	515.43890	544.47015
533.0	0.001876	515.44147	544.65448
533.0	0.001876	515.44397	544.84070
537.0	0.001862	515.44647	545.02893
531.0	0.001883	515.44891	545.21918
536.0	0.001866	515.45135	545.41150
542.0	0.001845	515.45374	545.60577
536.0	0.001866	515.45612	545.80225
534.0	0.001873	515.45844	546.00067
542.0	0.001845	515.46069	546.20129
545.0	0.001835	515.46295	546.40405
542.0	0.001845	515.46521	546.60907
546.0	0.001832	515.46741	546.81628
543.0	0.001842	515.46954	547.02563
539.0	0.001855	515.47168	547.23724
543.0	0.001842	515.47382	547.45129
541.0	0.001848	515.47583	547.66742
542.0	0.001845	515.47791	547.88605
541.0	0.001848	515.47992	548.10706
539.0	0.001855	515.48187	548.33032
541.0	0.001848	515.48383	548.55603
543.0	0.001842	515.48572	548.78430
544.0	0.001838	515.48761	549.01501
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538.0	0.001859	515.49121	549.48395
540.0	0.001852	515.49304	549.72235
538.0	0.001859	515.49475	549.96320
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536.0	0.001866	515.49817	550.45306
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537.0	0.001862	515.50305	551.20819
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543.0	0.001842	515.50610	551.72546
547.0	0.001828	515.50763	551.98846
543.0	0.001842	515.50903	552.25439
548.0	0.001825	515.51050	552.52319
544.0	0.001838	515.51190	552.79492
545.0	0.001835	515.51324	553.06982
544.0	0.001838	515.51459	553.34772
542.0	0.001845	515.51593	553.62866
547.0	0.001828	515.51715	553.91284
550.0	0.001818	515.51843	554.20026
546.0	0.001832	515.51965	554.49066
546.0	0.001832	515.52081	554.84308
548.0	0.001825	515.52197	555.14020
546.0	0.001832	515.52307	555.44067
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554.0	0.001805	515.52521	556.05170
554.0	0.001805	515.52625	556.36249
554.0	0.001805	515.52722	556.67676
551.0	0.001815	515.52820	556.99457
545.0	0.001835	515.52911	557.31598
550.0	0.001818	515.53003	557.64105
550.0	0.001818	515.53088	557.96979
555.0	0.001802	515.53174	558.30231
559.0	0.001789	515.53253	558.63849
554.0	0.001805	515.53333	558.97876
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547.0	0.001828	515.53473	559.67059
551.0	0.001815	515.53546	560.02258
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553.0	0.001808	515.53668	560.73865
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560.0	0.001786	515.53839	561.84393
555.0	0.001802	515.53888	562.22101
556.0	0.001799	515.53937	562.60217
560.0	0.001786	515.53979	562.98804
562.0	0.001779	515.54016	563.37823
562.0	0.001779	515.54059	563.77295
560.0	0.001786	515.54089	564.17230
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568.0	0.001761	515.54150	564.98499
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556.0	0.001799	515.54218	566.24005
560.0	0.001786	515.54236	566.66821
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566.0	0.001767	515.54254	567.53967
563.0	0.001776	515.54260	567.98315
564.0	0.001773	515.54266	568.43188
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568.0	0.001761	515.54242	570.75598
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570.0	0.001754	515.54211	571.72461
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566.0	0.001767	515.54169	572.71655
573.0	0.001745	515.54144	573.22125
571.0	0.001751	515.54114	573.73212
572.0	0.001748	515.54083	574.24902
575.0	0.001739	515.54047	574.77222
577.0	0.001733	515.54010	575.30157
573.0	0.001745	515.53967	575.83740
576.0	0.001736	515.53925	576.37952
572.0	0.001748	515.53876	576.92828
576.0	0.001736	515.53827	577.48364
581.0	0.001721	515.53772	578.04565
579.0	0.001727	515.53717	578.61444
576.0	0.001736	515.53656	579.19019
581.0	0.001721	515.53595	579.77283
578.0	0.001730	515.53534	580.36237
582.0	0.001718	515.53467	580.95935
584.0	0.001712	515.53394	581.56360
581.0	0.001721	515.53320	582.17499
576.0	0.001736	515.53247	582.79395
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578.0	0.001730	515.52527	588.02667
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587.0	0.001704	515.52209	590.12518
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589.0	0.001698	515.51868	592.30322
584.0	0.001712	515.51752	593.04749
583.0	0.001715	515.51624	593.80109
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577.0	0.001733	515.51373	595.33704
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580.0	0.001724	515.50684	599.35120
575.0	0.001739	515.50543	600.18524
578.0	0.001730	515.50391	601.03009
585.0	0.001709	515.50238	601.88586
588.0	0.001701	515.50085	602.75293
587.0	0.001704	515.49927	603.63116
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595.0	0.001681	515.49438	606.33636
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592.0	0.001689	515.49103	608.20038
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595.0	0.001681	515.48749	610.11517
591.0	0.001692	515.48572	611.09210
590.0	0.001695	515.48389	612.08240
594.0	0.001684	515.48206	613.08649
595.0	0.001681	515.48016	614.10449
593.0	0.001686	515.47827	615.13672
589.0	0.001698	515.47632	616.18353
594.0	0.001684	515.47437	617.24512
598.0	0.001672	515.47235	618.32190
603.0	0.001658	515.47034	619.41425
598.0	0.001672	515.46826	620.52240
599.0	0.001669	515.46619	621.64667
595.0	0.001681	515.46411	622.78760
601.0	0.001664	515.46198	623.94543
600.0	0.001667	515.45984	625.12073
596.0	0.001678	515.45764	626.31366
597.0	0.001675	515.45544	627.52484
597.0	0.001675	515.45319	628.75470
592.0	0.001689	515.45093	630.00360
597.0	0.001675	515.44861	631.27209
601.0	0.001664	515.44629	632.56067
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612.0	0.001634	515.43915	636.55231
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617.0	0.001621	515.43427	639.32379
614.0	0.001629	515.43182	640.74438
620.0	0.001613	515.42926	642.18921
621.0	0.001610	515.42676	643.65875
625.0	0.001600	515.42419	645.15393
620.0	0.001613	515.42157	646.67517
624.0	0.001603	515.41895	648.22345
630.0	0.001587	515.41632	649.79950
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636.0	0.001572	515.41095	653.03784
634.0	0.001577	515.40820	654.70203
626.0	0.001597	515.40546	656.39716
632.0	0.001582	515.40271	658.12445
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643.0	0.001555	515.39417	663.50769
641.0	0.001560	515.39130	665.37250
641.0	0.001560	515.38837	667.27460
646.0	0.001548	515.38544	669.21466
649.0	0.001541	515.38251	671.19403
648.0	0.001543	515.37952	673.21387
641.0	0.001560	515.37646	675.27527
650.0	0.001538	515.37341	677.37958
651.0	0.001536	515.37036	679.52802
654.0	0.001529	515.36725	681.72180
657.0	0.001522	515.36414	683.96240
662.0	0.001511	515.36102	686.25110
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678.0	0.001475	515.34814	695.91455
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689.0	0.001451	515.32813	712.09735
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725.0	0.001379	515.29993	737.32471
731.0	0.001368	515.29626	740.80280
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739.0	0.001353	515.28894	747.98792
738.0	0.001355	515.28522	751.69659
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759.0	0.001318	515.27777	759.34875
764.0	0.001309	515.27399	763.29297
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764.0	0.001309	515.26245	775.59497
775.0	0.001290	515.25854	779.84973
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781.0	0.001280	515.25073	788.58289
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818.0	0.001222	515.23071	811.59802
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839.0	0.001192	515.21423	830.94165
834.0	0.001199	515.21002	835.85364
836.0	0.001196	515.20581	840.77893
839.0	0.001192	515.20160	845.70746
837.0	0.001195	515.19733	850.62805
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865.0	0.001156	515.18011	869.97919
865.0	0.001156	515.17572	874.66327
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867.0	0.001153	515.16248	888.09015
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874.0	0.001144	515.15350	896.34412
881.0	0.001135	515.14899	900.20685
885.0	0.001130	515.14447	903.86829
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921.0	0.001086	515.12140	918.52478
927.0	0.001079	515.11676	920.60803
931.0	0.001074	515.11206	922.37408
928.0	0.001078	515.10730	923.81085
925.0	0.001081	515.10260	924.90802
922.0	0.001085	515.09778	925.65717
921.0	0.001086	515.09302	926.05194

917.0	0.001091	515.08820	926.08807
928.0	0.001078	515.08337	925.76312
922.0	0.001085	515.07849	925.07751
921.0	0.001086	515.07361	924.03326
926.0	0.001080	515.06866	922.63507
935.0	0.001070	515.06378	920.88922
928.0	0.001078	515.05884	918.80450
923.0	0.001083	515.05383	916.39117
913.0	0.001095	515.04883	913.66174
916.0	0.001092	515.04382	910.62976
917.0	0.001091	515.03876	907.31055
917.0	0.001091	515.03369	903.72015
927.0	0.001079	515.02863	899.87598
928.0	0.001078	515.02350	895.79608
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898.0	0.001114	514.99237	867.41846
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877.0	0.001140	514.97650	851.55829
877.0	0.001140	514.97113	846.13959
876.0	0.001142	514.96582	840.68079
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849.0	0.001178	514.94958	824.19958
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802.0	0.001247	514.90546	781.37280
798.0	0.001253	514.89984	776.27673
797.0	0.001255	514.89423	771.25592
787.0	0.001271	514.88855	766.31378
782.0	0.001279	514.88287	761.45337
784.0	0.001276	514.87720	756.67725
775.0	0.001290	514.87146	751.98724
771.0	0.001297	514.86572	747.38501
776.0	0.001289	514.85992	742.87183
767.0	0.001304	514.85419	738.44818
749.0	0.001335	514.84839	734.11499
747.0	0.001339	514.84253	729.87219
746.0	0.001340	514.83667	725.71997
739.0	0.001353	514.83081	721.65759
737.0	0.001357	514.82495	717.68500
733.0	0.001364	514.81903	713.80133
724.0	0.001381	514.81311	710.00555
722.0	0.001385	514.80713	706.29694
717.0	0.001395	514.80121	702.67444
714.0	0.001401	514.79523	699.13647
712.0	0.001404	514.78918	695.68201
704.0	0.001420	514.78314	692.30969
693.0	0.001443	514.77710	689.01794
697.0	0.001435	514.77106	685.80524
699.0	0.001431	514.76495	682.67023
693.0	0.001443	514.75885	679.61115
692.0	0.001445	514.75269	676.62653
674.0	0.001484	514.74652	673.71484
679.0	0.001473	514.74036	670.87415
677.0	0.001477	514.73419	668.10315
674.0	0.001484	514.72797	665.40002

667.0	0.001499	514.72174	662.76331
666.0	0.001502	514.71552	660.19128
661.0	0.001513	514.70923	657.68250
666.0	0.001502	514.70294	655.23511
663.0	0.001508	514.69666	652.84784
656.0	0.001524	514.69031	650.51904
660.0	0.001515	514.68396	648.24713
658.0	0.001520	514.67755	646.03058
645.0	0.001550	514.67120	643.86810
647.0	0.001546	514.66479	641.75830
647.0	0.001546	514.65839	639.69958
633.0	0.001580	514.65192	637.69055
639.0	0.001565	514.64545	635.73004
630.0	0.001587	514.63898	633.81659
630.0	0.001587	514.63245	631.94879
625.0	0.001600	514.62592	630.12567
630.0	0.001587	514.61938	628.34570
627.0	0.001595	514.61285	626.60797
626.0	0.001597	514.60626	624.91113
621.0	0.001610	514.59967	623.25409
623.0	0.001605	514.59302	621.63562
629.0	0.001590	514.58643	620.05493
628.0	0.001592	514.57977	618.51062
620.0	0.001613	514.57306	617.00171
624.0	0.001603	514.56641	615.52759
621.0	0.001610	514.55969	614.08661
626.0	0.001597	514.55292	612.67834
619.0	0.001616	514.54620	611.30194
621.0	0.001610	514.53943	609.95618
626.0	0.001597	514.53265	608.64038
616.0	0.001623	514.52582	607.35364
614.0	0.001629	514.51904	606.09509
602.0	0.001661	514.51221	604.86401
606.0	0.001650	514.50531	603.65985
611.0	0.001637	514.49847	602.48138
608.0	0.001645	514.49158	601.32825
602.0	0.001661	514.48468	600.19965
607.0	0.001647	514.47772	599.09503
607.0	0.001647	514.47076	598.01349
603.0	0.001658	514.46381	596.95459
600.0	0.001667	514.45685	595.91748
599.0	0.001669	514.44983	594.90198
600.0	0.001667	514.44281	593.90723
597.0	0.001675	514.43579	592.93250
594.0	0.001684	514.42871	591.97772
593.0	0.001686	514.42163	591.04193
588.0	0.001701	514.41455	590.12476
590.0	0.001695	514.40747	589.22589
590.0	0.001695	514.40033	588.34467
587.0	0.001704	514.39319	587.48065
589.0	0.001698	514.38605	586.63342
590.0	0.001695	514.37885	585.80249
592.0	0.001689	514.37164	584.98749
589.0	0.001698	514.36444	584.18817
589.0	0.001698	514.35724	583.40375
590.0	0.001695	514.34998	582.63416
591.0	0.001692	514.34271	581.87909
589.0	0.001698	514.33545	581.13794
590.0	0.001695	514.32813	580.41046
587.0	0.001704	514.32086	579.69629
586.0	0.001706	514.31354	578.99518
586.0	0.001706	514.30615	578.30688
589.0	0.001698	514.29883	577.63092
587.0	0.001704	514.29144	576.96704
589.0	0.001698	514.28406	576.31512
583.0	0.001715	514.27661	575.67468

583.0	0.001715	514.26923	575.04559
579.0	0.001727	514.26178	574.42749
576.0	0.001736	514.25427	573.82025
582.0	0.001718	514.24683	573.22339
588.0	0.001701	514.23932	572.63696
585.0	0.001709	514.23181	572.06067
579.0	0.001727	514.22430	571.49402
583.0	0.001715	514.21674	570.93719
583.0	0.001715	514.20917	570.38977
582.0	0.001718	514.20160	569.85150
583.0	0.001715	514.19403	569.32227
585.0	0.001709	514.18640	568.80200
583.0	0.001715	514.17883	568.29028
580.0	0.001724	514.17114	567.78723
581.0	0.001721	514.16351	567.29230
581.0	0.001721	514.15582	566.80554
582.0	0.001718	514.14819	566.32684
580.0	0.001724	514.14044	565.85583
573.0	0.001745	514.13275	565.39252
578.0	0.001730	514.12500	564.93677
581.0	0.001721	514.11725	564.48822
579.0	0.001727	514.10950	564.04706
580.0	0.001724	514.10175	563.61298
585.0	0.001709	514.09393	563.18579
586.0	0.001706	514.08612	562.76544
580.0	0.001724	514.07831	562.35175
576.0	0.001736	514.07050	561.94452
578.0	0.001730	514.06262	561.54395
577.0	0.001733	514.05475	561.14960
578.0	0.001730	514.04688	560.76141
579.0	0.001727	514.03900	560.37927
578.0	0.001730	514.03107	560.00330
578.0	0.001730	514.02313	559.63306
577.0	0.001733	514.01520	559.26874
578.0	0.001730	514.00726	558.90991
580.0	0.001724	513.99927	558.55682
580.0	0.001724	513.99133	558.20917
574.0	0.001742	513.98328	557.86682
568.0	0.001761	513.97528	557.52985
574.0	0.001742	513.96729	557.19818
573.0	0.001745	513.95923	556.87158
573.0	0.001745	513.95117	556.54999
573.0	0.001745	513.94312	556.23352
576.0	0.001736	513.93500	555.92169
577.0	0.001733	513.92694	555.61487
577.0	0.001733	513.91882	555.31281
580.0	0.001724	513.91064	555.01538
578.0	0.001730	513.90253	554.72247
571.0	0.001751	513.89435	554.43408
570.0	0.001754	513.88623	554.15021
571.0	0.001751	513.87805	553.87073
574.0	0.001742	513.86981	553.59546
575.0	0.001739	513.86163	553.32458
573.0	0.001745	513.85339	553.05798
573.0	0.001745	513.84515	552.79535
568.0	0.001761	513.83691	552.53687
563.0	0.001776	513.82867	552.28247
562.0	0.001779	513.82037	552.03198
559.0	0.001789	513.81207	551.78534
567.0	0.001764	513.80377	551.54266
565.0	0.001770	513.79547	551.30377
560.0	0.001786	513.78711	551.06879
556.0	0.001799	513.77881	550.83740
555.0	0.001802	513.77045	550.60962
558.0	0.001792	513.76208	550.38562
563.0	0.001776	513.75366	550.16510



561.0	0.001783	513.74530	549.94818
563.0	0.001776	513.73688	549.73474
561.0	0.001783	513.72845	549.52466
565.0	0.001770	513.72003	549.31812
564.0	0.001773	513.71155	549.11499
564.0	0.001773	513.70313	548.91516
561.0	0.001783	513.69464	548.71863
560.0	0.001786	513.68616	548.52533
566.0	0.001767	513.67767	548.33527
567.0	0.001764	513.66913	548.14844
570.0	0.001754	513.66064	547.96484
569.0	0.001757	513.65210	547.78436
565.0	0.001770	513.64355	547.60693
564.0	0.001773	513.63501	547.43262
561.0	0.001783	513.62640	547.26135
561.0	0.001783	513.61786	547.09320
559.0	0.001789	513.60925	546.92798
564.0	0.001773	513.60065	546.76575
567.0	0.001764	513.59198	546.60632
569.0	0.001757	513.58337	546.45001
567.0	0.001764	513.57471	546.29657
566.0	0.001767	513.56610	546.14594
560.0	0.001786	513.55743	545.99817
562.0	0.001779	513.54871	545.85333
562.0	0.001779	513.54004	545.71136
563.0	0.001776	513.53131	545.57202
558.0	0.001792	513.52264	545.43555
556.0	0.001799	513.51392	545.30188
553.0	0.001808	513.50519	545.17090
555.0	0.001802	513.49640	545.04266
566.0	0.001767	513.48767	544.91730
566.0	0.001767	513.47888	544.79456
559.0	0.001789	513.47009	544.67438
563.0	0.001776	513.46130	544.55707
564.0	0.001773	513.45251	544.44232
565.0	0.001770	513.44373	544.33020
566.0	0.001767	513.43488	544.22095
563.0	0.001776	513.42603	544.11426
559.0	0.001789	513.41718	544.01013
556.0	0.001799	513.40833	543.90875
554.0	0.001805	513.39948	543.80988
560.0	0.001786	513.39056	543.71368
562.0	0.001779	513.38171	543.62006
561.0	0.001783	513.37280	543.52911
558.0	0.001792	513.36389	543.44080
563.0	0.001776	513.35498	543.35504
562.0	0.001779	513.34601	543.27191
564.0	0.001773	513.33710	543.19141
557.0	0.001795	513.32813	543.11346
555.0	0.001802	513.31915	543.03827
561.0	0.001783	513.31018	542.96552
558.0	0.001792	513.30121	542.89545
555.0	0.001802	513.29224	542.82819
562.0	0.001779	513.28320	542.76337
561.0	0.001783	513.27417	542.70117
559.0	0.001789	513.26520	542.64172
556.0	0.001799	513.25616	542.58472
559.0	0.001789	513.24707	542.53064
562.0	0.001779	513.23804	542.47906
560.0	0.001786	513.22900	542.43018
561.0	0.001783	513.21991	542.38403
561.0	0.001783	513.21082	542.34052
571.0	0.001751	513.20172	542.29987
564.0	0.001773	513.19263	542.26196
562.0	0.001779	513.18353	542.22662
565.0	0.001770	513.17438	542.19421

563.0	0.001776	513.16528	542.16449
564.0	0.001773	513.15613	542.13757
559.0	0.001789	513.14697	542.11359
559.0	0.001789	513.13782	542.09241
561.0	0.001783	513.12866	542.07397
556.0	0.001799	513.11951	542.05865
553.0	0.001808	513.11029	542.04608
550.0	0.001818	513.10107	542.03650
556.0	0.001799	513.09192	542.02991
554.0	0.001805	513.08270	542.02631
552.0	0.001812	513.07349	542.02594
554.0	0.001805	513.06421	542.02838
556.0	0.001799	513.05499	542.03406
557.0	0.001795	513.04578	542.04285
551.0	0.001815	513.03650	542.05469
552.0	0.001812	513.02722	542.07001
555.0	0.001802	513.01794	542.08844
558.0	0.001792	513.00867	542.11023
558.0	0.001792	512.99939	542.13525
551.0	0.001815	512.99011	542.16370
552.0	0.001812	512.98077	542.19574
554.0	0.001805	512.97150	542.23108
553.0	0.001808	512.96216	542.27002
550.0	0.001818	512.95282	542.31244
549.0	0.001821	512.94348	542.35864
555.0	0.001802	512.93414	542.40851
553.0	0.001808	512.92480	542.46222
548.0	0.001825	512.91541	542.51965
552.0	0.001812	512.90607	542.58112
551.0	0.001815	512.89667	542.64636
550.0	0.001818	512.88727	542.71570
559.0	0.001789	512.87787	542.78925
559.0	0.001789	512.86847	542.86694
558.0	0.001792	512.85907	542.94885
549.0	0.001821	512.84967	543.03510
548.0	0.001825	512.84021	543.12573
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552.0	0.001812	512.79303	543.64868
551.0	0.001815	512.78357	543.76794
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553.0	0.001808	512.76459	544.02167
557.0	0.001795	512.75513	544.15662
558.0	0.001792	512.74561	544.29688
555.0	0.001802	512.73608	544.44275
552.0	0.001812	512.72656	544.59454
554.0	0.001805	512.71710	544.75208
556.0	0.001799	512.70758	544.91559
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558.0	0.001792	512.68848	545.26123
557.0	0.001795	512.67896	545.44366
558.0	0.001792	512.66937	545.63287
544.0	0.001838	512.65985	545.82880
551.0	0.001815	512.65027	546.03162
550.0	0.001818	512.64069	546.24176
548.0	0.001825	512.63116	546.45917
550.0	0.001818	512.62158	546.68420
550.0	0.001818	512.61194	546.91705
551.0	0.001815	512.60236	547.15784
551.0	0.001815	512.59277	547.40692
549.0	0.001821	512.58319	547.66449
552.0	0.001812	512.57355	547.93073
553.0	0.001808	512.56396	548.20593
552.0	0.001812	512.55432	548.49048

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556.0	0.001799	512.51575	549.72638
552.0	0.001812	512.50610	550.06152
554.0	0.001805	512.49646	550.40778
558.0	0.001792	512.48682	550.76550
557.0	0.001795	512.47711	551.13507
555.0	0.001802	512.46747	551.51691
558.0	0.001792	512.45776	551.91138
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559.0	0.001789	512.42871	553.17517
559.0	0.001789	512.41901	553.62482
562.0	0.001779	512.40930	554.08960
564.0	0.001773	512.39960	554.56989
558.0	0.001792	512.38989	555.06622
561.0	0.001783	512.38019	555.57947
568.0	0.001761	512.37048	556.10986
562.0	0.001779	512.36072	556.65857
561.0	0.001783	512.35101	557.22595
565.0	0.001770	512.34125	557.81281
569.0	0.001757	512.33154	558.41998
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560.0	0.001786	512.31201	559.69849
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573.0	0.001745	512.29248	561.06860
577.0	0.001733	512.28271	561.79047
577.0	0.001733	512.27295	562.53845
578.0	0.001730	512.26318	563.31360
578.0	0.001730	512.25342	564.11713
581.0	0.001721	512.24365	564.95032
582.0	0.001718	512.23383	565.81482
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581.0	0.001721	512.18488	570.66095
583.0	0.001715	512.17505	571.74786
579.0	0.001727	512.16522	572.87903
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583.0	0.001715	512.14563	575.28357
583.0	0.001715	512.13580	576.56213
584.0	0.001712	512.12598	577.89569
584.0	0.001712	512.11615	579.28729
590.0	0.001695	512.10626	580.74030
596.0	0.001678	512.09644	582.25836
596.0	0.001678	512.08661	583.84534
596.0	0.001678	512.07678	585.50543
594.0	0.001684	512.06689	587.24286
588.0	0.001701	512.05707	589.06256
593.0	0.001686	512.04724	590.96948
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619.0	0.001616	511.94855	616.18433
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624.0	0.001603	511.92877	622.95648
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644.0	0.001553	511.88919	638.81940
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653.0	0.001531	511.86942	648.08746
649.0	0.001541	511.85950	653.09753
653.0	0.001531	511.84961	658.37476
655.0	0.001527	511.83969	663.93213
663.0	0.001508	511.82977	669.78259
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687.0	0.001456	511.80005	689.21838
701.0	0.001427	511.79013	696.36578
699.0	0.001431	511.78021	703.86639
698.0	0.001433	511.77029	711.72968
708.0	0.001412	511.76038	719.96368
713.0	0.001403	511.75046	728.57434
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739.0	0.001353	511.72070	756.68536
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775.0	0.001290	511.69092	788.10114
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796.0	0.001256	511.66113	822.35614
802.0	0.001247	511.65118	834.26440
816.0	0.001225	511.64127	846.35187
833.0	0.001200	511.63132	858.57452
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857.0	0.001167	511.61145	883.25177
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871.0	0.001148	511.59158	907.97888
883.0	0.001133	511.58163	920.28912
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942.0	0.001062	511.54187	969.05884
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973.0	0.001028	511.52200	993.46509
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1038.0	0.000963	511.48224	1044.02869
1063.0	0.000941	511.47229	1057.27759
1078.0	0.000928	511.46234	1070.81189
1088.0	0.000919	511.45239	1084.62329
1107.0	0.000903	511.44247	1098.67932
1117.0	0.000895	511.43253	1112.92249
1133.0	0.000883	511.42258	1127.26746
1143.0	0.000875	511.41263	1141.59998
1154.0	0.000867	511.40271	1155.77588
1163.0	0.000860	511.39276	1169.62317
1177.0	0.000850	511.38281	1182.94250
1196.0	0.000836	511.37286	1195.51196
1198.0	0.000835	511.36295	1207.09265
1192.0	0.000839	511.35300	1217.43555
1210.0	0.000826	511.34308	1226.29077
1215.0	0.000823	511.33313	1233.41760
1220.0	0.000820	511.32318	1238.59631
1232.0	0.000812	511.31326	1241.63818
1232.0	0.000812	511.30331	1242.39636
1239.0	0.000807	511.29340	1240.77441
1222.0	0.000818	511.28345	1236.73083
1225.0	0.000816	511.27353	1230.28308
1199.0	0.000834	511.26358	1221.50500
1206.0	0.000829	511.25366	1210.52356

1188.0	0.000842	511.24374	1197.51038
1188.0	0.000842	511.23380	1182.67358
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1168.0	0.000856	511.21396	1148.47778
1136.0	0.000880	511.20404	1129.61987
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1109.0	0.000902	511.18417	1089.62012
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1065.0	0.000939	511.15442	1027.19128
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766.0	0.001305	510.98615	749.68146
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727.0	0.001376	510.95651	719.44971
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508.0	0.001969	506.99298	508.99463
508.0	0.001969	506.99469	508.99359
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521.0	0.001919	513.98926	517.08521
518.0	0.001931	514.00220	517.10614
514.0	0.001946	514.01514	517.12714
516.0	0.001938	514.02808	517.14832
515.0	0.001942	514.04095	517.16937
517.0	0.001934	514.05389	517.19043
519.0	0.001927	514.06683	517.21173
519.0	0.001927	514.07977	517.23303
519.0	0.001927	514.09271	517.25433
519.0	0.001927	514.10565	517.27576
515.0	0.001942	514.11859	517.29724
509.0	0.001965	514.13153	517.31866
514.0	0.001946	514.14447	517.34015
519.0	0.001927	514.15741	517.36182
507.0	0.001972	514.17035	517.38354
507.0	0.001972	514.18329	517.40521
507.0	0.001972	514.19629	517.42700
512.0	0.001953	514.20923	517.44897
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513.0	0.001949	514.23511	517.49280
512.0	0.001953	514.24805	517.51483
516.0	0.001938	514.26105	517.53699
515.0	0.001942	514.27399	517.55908
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521.0	0.001919	514.31287	517.62604
517.0	0.001934	514.32581	517.64832
516.0	0.001938	514.33881	517.67084
517.0	0.001934	514.35175	517.69336
522.0	0.001916	514.36475	517.71594
518.0	0.001931	514.37769	517.73865
517.0	0.001934	514.39063	517.76147
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513.0	0.001949	514.42957	517.83008
510.0	0.001961	514.44250	517.85303
513.0	0.001949	514.45551	517.87616
516.0	0.001938	514.46844	517.89923
511.0	0.001957	514.48145	517.92267
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509.0	0.001965	514.53333	518.01630
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517.0	0.001934	514.55927	518.06354
516.0	0.001938	514.57227	518.08728
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519.0	0.001927	515.76343	520.73737
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513.0	0.001949	515.89203	521.10883
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521.0	0.001919	515.95618	521.30408
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684.0	0.001462	518.95551	638.09735
680.0	0.001471	518.96655	634.48407
672.0	0.001488	518.97760	630.92322
666.0	0.001502	518.98865	627.42639
665.0	0.001504	518.99963	624.00281
664.0	0.001506	519.01062	620.66046
669.0	0.001495	519.02161	617.40515
668.0	0.001497	519.03259	614.24176
655.0	0.001527	519.04358	611.17389
644.0	0.001553	519.05450	608.20374
643.0	0.001555	519.06549	605.33270
648.0	0.001543	519.07642	602.56183
647.0	0.001546	519.08734	599.89075
644.0	0.001553	519.09821	597.31897
645.0	0.001550	519.10913	594.84534
645.0	0.001550	519.12000	592.46869
644.0	0.001553	519.13092	590.18677
636.0	0.001572	519.14178	587.99768
633.0	0.001580	519.15265	585.89941
632.0	0.001582	519.16345	583.88916
636.0	0.001572	519.17432	581.96448
634.0	0.001577	519.18512	580.12286
631.0	0.001585	519.19592	578.36151
625.0	0.001600	519.20673	576.67755
626.0	0.001597	519.21753	575.06830
625.0	0.001600	519.22827	573.53125
623.0	0.001605	519.23907	572.06342
622.0	0.001608	519.24982	570.66205
613.0	0.001631	519.26056	569.32452
605.0	0.001653	519.27130	568.04846
604.0	0.001656	519.28198	566.83124
608.0	0.001645	519.29272	565.67004
603.0	0.001658	519.30341	564.56274
593.0	0.001686	519.31409	563.50690
599.0	0.001669	519.32477	562.50024
591.0	0.001692	519.33539	561.54065
594.0	0.001684	519.34607	560.62567
598.0	0.001672	519.35669	559.75360
595.0	0.001681	519.36731	558.92242
591.0	0.001692	519.37793	558.12994
584.0	0.001712	519.38855	557.37469
588.0	0.001701	519.39911	556.65472
586.0	0.001706	519.40973	555.96826
583.0	0.001715	519.42029	555.31403
586.0	0.001706	519.43085	554.69031
582.0	0.001718	519.44135	554.09558
580.0	0.001724	519.45190	553.52838
577.0	0.001733	519.46240	552.98779
583.0	0.001715	519.47290	552.47211
581.0	0.001721	519.48340	551.98041
578.0	0.001730	519.49390	551.51141
575.0	0.001739	519.50433	551.06421
568.0	0.001761	519.51483	550.63757
569.0	0.001757	519.52527	550.23077
567.0	0.001764	519.53571	549.84290
572.0	0.001748	519.54614	549.47272
571.0	0.001751	519.55652	549.11969
572.0	0.001748	519.56689	548.78326
569.0	0.001757	519.57733	548.46240
565.0	0.001770	519.58771	548.15637
570.0	0.001754	519.59802	547.86481

573.0	0.001745	519.60840	547.58698
571.0	0.001751	519.61871	547.32214
564.0	0.001773	519.62903	547.06995
561.0	0.001783	519.63934	546.83002
559.0	0.001789	519.64966	546.60150
563.0	0.001776	519.65991	546.38416
565.0	0.001770	519.67023	546.17755
566.0	0.001767	519.68048	545.98120
570.0	0.001754	519.69073	545.79474
566.0	0.001767	519.70093	545.61786
559.0	0.001789	519.71118	545.45044
562.0	0.001779	519.72137	545.29169
568.0	0.001761	519.73157	545.14154
565.0	0.001770	519.74176	544.99976
564.0	0.001773	519.75195	544.86603
566.0	0.001767	519.76208	544.73999
569.0	0.001757	519.77222	544.62146
562.0	0.001779	519.78235	544.51044
560.0	0.001786	519.79248	544.40637
563.0	0.001776	519.80261	544.30914
566.0	0.001767	519.81268	544.21857
563.0	0.001776	519.82275	544.13464
555.0	0.001802	519.83282	544.05676
555.0	0.001802	519.84290	543.98529
555.0	0.001802	519.85291	543.91980
562.0	0.001779	519.86298	543.85999
567.0	0.001764	519.87299	543.80597
566.0	0.001767	519.88300	543.75751
566.0	0.001767	519.89294	543.71454
567.0	0.001764	519.90295	543.67670
557.0	0.001795	519.91290	543.64410
563.0	0.001776	519.92285	543.61676
557.0	0.001795	519.93280	543.59418
556.0	0.001799	519.94275	543.57654
554.0	0.001805	519.95264	543.56366
559.0	0.001789	519.96252	543.55560
562.0	0.001779	519.97241	543.55200
563.0	0.001776	519.98230	543.55292
554.0	0.001805	519.99219	543.55841
555.0	0.001802	520.00201	543.56805
563.0	0.001776	520.01184	543.58228
565.0	0.001770	520.02167	543.60065
560.0	0.001786	520.03149	543.62305
566.0	0.001767	520.04126	543.64966
565.0	0.001770	520.05103	543.68048
558.0	0.001792	520.06079	543.71515
559.0	0.001789	520.07056	543.75378
562.0	0.001779	520.08032	543.79639
561.0	0.001783	520.09003	543.84290
562.0	0.001779	520.09973	543.89337
553.0	0.001808	520.10944	543.94751
552.0	0.001812	520.11914	544.00537
558.0	0.001792	520.12878	544.06702
558.0	0.001792	520.13843	544.13239
562.0	0.001779	520.14807	544.20148
565.0	0.001770	520.15771	544.27423
559.0	0.001789	520.16736	544.35065
552.0	0.001812	520.17694	544.43048
550.0	0.001818	520.18652	544.51410
552.0	0.001812	520.19611	544.60132
554.0	0.001805	520.20569	544.69202
555.0	0.001802	520.21521	544.78632
556.0	0.001799	520.22473	544.88422
560.0	0.001786	520.23425	544.98553
561.0	0.001783	520.24377	545.09045
554.0	0.001805	520.25330	545.19904

550.0	0.001818	520.26276	545.31110
558.0	0.001792	520.27222	545.42657
557.0	0.001795	520.28168	545.54565
555.0	0.001802	520.29114	545.66821
553.0	0.001808	520.30054	545.79443
551.0	0.001815	520.30994	545.92407
554.0	0.001805	520.31934	546.05725
555.0	0.001802	520.32874	546.19415
551.0	0.001815	520.33807	546.33459
548.0	0.001825	520.34741	546.47864
556.0	0.001799	520.35675	546.62622
553.0	0.001808	520.36609	546.77734
549.0	0.001821	520.37543	546.93219
554.0	0.001805	520.38470	547.09070
554.0	0.001805	520.39398	547.25293
554.0	0.001805	520.40326	547.41882
549.0	0.001821	520.41254	547.58838
553.0	0.001808	520.42175	547.76178
554.0	0.001805	520.43097	547.93896
558.0	0.001792	520.44019	548.11993
558.0	0.001792	520.44940	548.30463
561.0	0.001783	520.45856	548.49335
559.0	0.001789	520.46771	548.68585
557.0	0.001795	520.47687	548.88232
556.0	0.001799	520.48602	549.08270
559.0	0.001789	520.49518	549.28723
563.0	0.001776	520.50427	549.49567
558.0	0.001792	520.51337	549.70831
554.0	0.001805	520.52246	549.92505
561.0	0.001783	520.53149	550.14581
563.0	0.001776	520.54059	550.37091
558.0	0.001792	520.54962	550.60016
555.0	0.001802	520.55865	550.83386
560.0	0.001786	520.56763	551.07184
565.0	0.001770	520.57660	551.31439
559.0	0.001789	520.58563	551.56122
559.0	0.001789	520.59454	551.81256
563.0	0.001776	520.60352	552.06842
555.0	0.001802	520.61249	552.32898
563.0	0.001776	520.62140	552.59418
557.0	0.001795	520.63031	552.86420
557.0	0.001795	520.63916	553.13904
555.0	0.001802	520.64807	553.41864
559.0	0.001789	520.65692	553.70313
558.0	0.001792	520.66577	553.99280
557.0	0.001795	520.67462	554.28748
555.0	0.001802	520.68341	554.58728
560.0	0.001786	520.69220	554.89227
553.0	0.001808	520.70099	555.20258
561.0	0.001783	520.70978	555.51819
563.0	0.001776	520.71851	555.83923
562.0	0.001779	520.72729	556.16583
555.0	0.001802	520.73602	556.49811
566.0	0.001767	520.74475	556.83594
569.0	0.001757	520.75342	557.17950
565.0	0.001770	520.76208	557.52905
563.0	0.001776	520.77075	557.88446
557.0	0.001795	520.77942	558.24597
560.0	0.001786	520.78809	558.61365
565.0	0.001770	520.79669	558.98737
562.0	0.001779	520.80530	559.36749
561.0	0.001783	520.81390	559.75397
561.0	0.001783	520.82245	560.14709
562.0	0.001779	520.83099	560.54688
563.0	0.001776	520.83960	560.95331
561.0	0.001783	520.84808	561.36646

560.0	0.001786	520.85663	561.78674
566.0	0.001767	520.86511	562.21399
570.0	0.001754	520.87360	562.64832
565.0	0.001770	520.88208	563.09003
566.0	0.001767	520.89056	563.53918
570.0	0.001754	520.89899	563.99585
570.0	0.001754	520.90741	564.46021
571.0	0.001751	520.91583	564.93225
575.0	0.001739	520.92419	565.41229
576.0	0.001736	520.93256	565.90027
573.0	0.001745	520.94092	566.39648
575.0	0.001739	520.94928	566.90112
573.0	0.001745	520.95764	567.41412
568.0	0.001761	520.96594	567.93573
564.0	0.001773	520.97424	568.46600
567.0	0.001764	520.98254	569.00531
571.0	0.001751	520.99078	569.55365
573.0	0.001745	520.99908	570.11127
576.0	0.001736	521.00732	570.67810
577.0	0.001733	521.01550	571.25452
577.0	0.001733	521.02374	571.84064
577.0	0.001733	521.03192	572.43671
579.0	0.001727	521.04010	573.04272
577.0	0.001733	521.04828	573.65894
582.0	0.001718	521.05640	574.28571
582.0	0.001718	521.06451	574.92285
580.0	0.001724	521.07263	575.57086
576.0	0.001736	521.08075	576.22992
582.0	0.001718	521.08881	576.90009
587.0	0.001704	521.09692	577.58167
584.0	0.001712	521.10498	578.27478
588.0	0.001701	521.11298	578.97961
585.0	0.001709	521.12103	579.69659
581.0	0.001721	521.12903	580.42566
583.0	0.001715	521.13702	581.16730
584.0	0.001712	521.14496	581.92157
586.0	0.001706	521.15295	582.68890
593.0	0.001686	521.16089	583.46924
592.0	0.001689	521.16882	584.26300
594.0	0.001684	521.17670	585.07068
599.0	0.001669	521.18457	585.89221
598.0	0.001672	521.19250	586.72803
593.0	0.001686	521.20032	587.57819
596.0	0.001678	521.20819	588.44342
602.0	0.001661	521.21600	589.32373
593.0	0.001686	521.22382	590.21948
591.0	0.001692	521.23163	591.13092
589.0	0.001698	521.23938	592.05859
594.0	0.001684	521.24719	593.00275
593.0	0.001686	521.25494	593.96350
596.0	0.001678	521.26263	594.94159
597.0	0.001675	521.27039	595.93719
600.0	0.001667	521.27808	596.95081
603.0	0.001658	521.28577	597.98267
602.0	0.001661	521.29340	599.03345
603.0	0.001658	521.30109	600.10345
603.0	0.001658	521.30872	601.19305
599.0	0.001669	521.31635	602.30286
605.0	0.001653	521.32391	603.43323
609.0	0.001642	521.33154	604.58496
611.0	0.001637	521.33911	605.75836
606.0	0.001650	521.34662	606.95410
608.0	0.001645	521.35419	608.17267
610.0	0.001639	521.36169	609.41455
621.0	0.001610	521.36920	610.68073
620.0	0.001613	521.37671	611.97150

623.0	0.001605	521.38416	613.28766
628.0	0.001592	521.39160	614.63000
627.0	0.001595	521.39905	615.99933
618.0	0.001618	521.40649	617.39606
617.0	0.001621	521.41388	618.82129
621.0	0.001610	521.42126	620.27582
622.0	0.001608	521.42865	621.76050
629.0	0.001590	521.43604	623.27612
630.0	0.001587	521.44336	624.82385
630.0	0.001587	521.45068	626.40430
625.0	0.001600	521.45801	628.01892
631.0	0.001585	521.46527	629.66852
629.0	0.001590	521.47253	631.35400
632.0	0.001582	521.47980	633.07697
631.0	0.001585	521.48706	634.83832
643.0	0.001555	521.49426	636.63928
633.0	0.001580	521.50153	638.48126
641.0	0.001560	521.50867	640.36542
645.0	0.001550	521.51587	642.29321
640.0	0.001563	521.52301	644.26605
640.0	0.001563	521.53015	646.28540
645.0	0.001550	521.53729	648.35291
656.0	0.001524	521.54443	650.46985
664.0	0.001506	521.55151	652.63818
663.0	0.001508	521.55859	654.85907
671.0	0.001490	521.56561	657.13470
674.0	0.001484	521.57269	659.46667
671.0	0.001490	521.57971	661.85669
660.0	0.001515	521.58673	664.30652
671.0	0.001490	521.59369	666.81836
684.0	0.001462	521.60065	669.39386
676.0	0.001479	521.60767	672.03485
677.0	0.001477	521.61456	674.74341
683.0	0.001464	521.62152	677.52155
686.0	0.001458	521.62842	680.37109
689.0	0.001451	521.63531	683.29388
694.0	0.001441	521.64215	686.29211
702.0	0.001425	521.64905	689.36737
711.0	0.001406	521.65588	692.52142
713.0	0.001403	521.66272	695.75623
714.0	0.001401	521.66949	699.07312
717.0	0.001395	521.67627	702.47369
716.0	0.001397	521.68304	705.95923
727.0	0.001376	521.68982	709.53088
731.0	0.001368	521.69653	713.18933
736.0	0.001359	521.70331	716.93524
738.0	0.001355	521.70996	720.76880
743.0	0.001346	521.71667	724.68994
741.0	0.001350	521.72333	728.69769
751.0	0.001332	521.72998	732.79120
774.0	0.001292	521.73663	736.96851
776.0	0.001289	521.74323	741.22723
777.0	0.001287	521.74988	745.56415
787.0	0.001271	521.75647	749.97516
788.0	0.001269	521.76300	754.45538
795.0	0.001258	521.76953	758.99866
800.0	0.001250	521.77606	763.59796
809.0	0.001236	521.78259	768.24463
805.0	0.001242	521.78912	772.92920
806.0	0.001241	521.79559	777.64056
802.0	0.001247	521.80206	782.36615
810.0	0.001235	521.80847	787.09167
814.0	0.001229	521.81494	791.80145
822.0	0.001217	521.82135	796.47827
830.0	0.001205	521.82776	801.10321
838.0	0.001193	521.83411	805.65576

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865.0	0.001156	521.84680	814.45471
863.0	0.001159	521.85315	818.65320
866.0	0.001155	521.85944	822.68427
867.0	0.001153	521.86572	826.52124
854.0	0.001171	521.87201	830.13788
851.0	0.001175	521.87830	833.50708
862.0	0.001160	521.88452	836.60272
867.0	0.001153	521.89075	839.39917
859.0	0.001164	521.89697	841.87152
864.0	0.001157	521.90314	843.99738
867.0	0.001153	521.90930	845.75604
864.0	0.001157	521.91547	847.12909
862.0	0.001160	521.92157	848.10156
849.0	0.001178	521.92773	848.66119
844.0	0.001185	521.93384	848.80005
841.0	0.001189	521.93988	848.51318
846.0	0.001182	521.94598	847.79980
848.0	0.001179	521.95203	846.66339
848.0	0.001179	521.95807	845.11096
846.0	0.001182	521.96405	843.15314
837.0	0.001195	521.97003	840.80414
828.0	0.001208	521.97601	838.08130
829.0	0.001206	521.98199	835.00476
818.0	0.001222	521.98792	831.59692
804.0	0.001244	521.99384	827.88232
802.0	0.001247	521.99976	823.88660
806.0	0.001241	522.00568	819.63672
796.0	0.001256	522.01154	815.15997
791.0	0.001264	522.01740	810.48370
775.0	0.001290	522.02319	805.63562
771.0	0.001297	522.02905	800.64203
771.0	0.001297	522.03485	795.52887
764.0	0.001309	522.04065	790.32074
755.0	0.001325	522.04639	785.04126
740.0	0.001351	522.05212	779.71222
732.0	0.001366	522.05786	774.35413
727.0	0.001376	522.06360	768.98572
721.0	0.001387	522.06927	763.62421
718.0	0.001393	522.07495	758.28497
719.0	0.001391	522.08063	752.98218
708.0	0.001412	522.08624	747.72809
703.0	0.001422	522.09186	742.53375
702.0	0.001425	522.09747	737.40851
696.0	0.001437	522.10309	732.36041
697.0	0.001435	522.10864	727.39685
693.0	0.001443	522.11420	722.52325
690.0	0.001449	522.11975	717.74475
685.0	0.001460	522.12524	713.06494
680.0	0.001471	522.13074	708.48712
677.0	0.001477	522.13623	704.01343
666.0	0.001502	522.14172	699.64539
668.0	0.001497	522.14716	695.38403
668.0	0.001497	522.15259	691.22980
648.0	0.001543	522.15802	687.18292
648.0	0.001543	522.16339	683.24261
645.0	0.001550	522.16876	679.40826
643.0	0.001555	522.17413	675.67859
639.0	0.001565	522.17944	672.05273
642.0	0.001558	522.18481	668.52875
638.0	0.001567	522.19006	665.10516
632.0	0.001582	522.19537	661.77991
634.0	0.001577	522.20062	658.55103
629.0	0.001590	522.20587	655.41632
630.0	0.001587	522.21112	652.37396
632.0	0.001582	522.21631	649.42139



622.0	0.001608	522.22156	646.55634
615.0	0.001626	522.22668	643.77667
616.0	0.001623	522.23187	641.08008
618.0	0.001618	522.23700	638.46399
608.0	0.001645	522.24213	635.92639
615.0	0.001626	522.24725	633.46472
609.0	0.001642	522.25232	631.07709
611.0	0.001637	522.25739	628.76105
603.0	0.001658	522.26245	626.51428
602.0	0.001661	522.26746	624.33459
598.0	0.001672	522.27252	622.22015
591.0	0.001692	522.27747	620.16858
594.0	0.001684	522.28247	618.17804
596.0	0.001678	522.28741	616.24622
595.0	0.001681	522.29236	614.37152
595.0	0.001681	522.29730	612.55194
589.0	0.001698	522.30219	610.78558
586.0	0.001706	522.30713	609.07068
587.0	0.001704	522.31195	607.40540
588.0	0.001701	522.31683	605.78802
583.0	0.001715	522.32166	604.21729
581.0	0.001721	522.32648	602.69110
572.0	0.001748	522.33130	601.20825
576.0	0.001736	522.33606	599.76703
580.0	0.001724	522.34082	598.36615
584.0	0.001712	522.34558	597.00415
580.0	0.001724	522.35028	595.67975
580.0	0.001724	522.35498	594.39148
581.0	0.001721	522.35968	593.13824
576.0	0.001736	522.36432	591.91870
578.0	0.001730	522.36902	590.73187
578.0	0.001730	522.37366	589.57660
577.0	0.001733	522.37823	588.45160
574.0	0.001742	522.38287	587.35590
577.0	0.001733	522.38745	586.28857
574.0	0.001742	522.39197	585.24866
571.0	0.001751	522.39655	584.23511
575.0	0.001739	522.40106	583.24713
572.0	0.001748	522.40558	582.28387
571.0	0.001751	522.41003	581.34454
569.0	0.001757	522.41449	580.42810
573.0	0.001745	522.41895	579.53412
570.0	0.001754	522.42340	578.66162
568.0	0.001761	522.42780	577.80988
567.0	0.001764	522.43219	576.97839
565.0	0.001770	522.43658	576.16644
567.0	0.001764	522.44098	575.37341
561.0	0.001783	522.44531	574.59851
557.0	0.001795	522.44965	573.84149
560.0	0.001786	522.45392	573.10150
560.0	0.001786	522.45819	572.37823
564.0	0.001773	522.46246	571.67108
556.0	0.001799	522.46674	570.97949
561.0	0.001783	522.47095	570.30316
563.0	0.001776	522.47516	569.64154
562.0	0.001779	522.47937	568.99402
558.0	0.001792	522.48352	568.36029
563.0	0.001776	522.48767	567.74011
559.0	0.001789	522.49182	567.13306
560.0	0.001786	522.49597	566.53857
551.0	0.001815	522.50006	565.95636
550.0	0.001818	522.50415	565.38599
554.0	0.001805	522.50818	564.82751
553.0	0.001808	522.51227	564.28015
556.0	0.001799	522.51630	563.74390
554.0	0.001805	522.52026	563.21832

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553.0	0.001808	522.52826	562.19794
552.0	0.001812	522.53223	561.70270
551.0	0.001815	522.53613	561.21710
557.0	0.001795	522.54004	560.74078
560.0	0.001786	522.54395	560.27350
551.0	0.001815	522.54785	559.81519
553.0	0.001808	522.55170	559.36548
555.0	0.001802	522.55554	558.92419
552.0	0.001812	522.55939	558.49121
548.0	0.001825	522.56317	558.06616
549.0	0.001821	522.56696	557.64893
548.0	0.001825	522.57074	557.23938
548.0	0.001825	522.57446	556.83722
549.0	0.001821	522.57819	556.44226
551.0	0.001815	522.58191	556.05444
550.0	0.001818	522.58563	555.67352
546.0	0.001832	522.58929	555.29944
543.0	0.001842	522.59296	554.93182
546.0	0.001832	522.59662	554.57062
551.0	0.001815	522.60022	554.21582
549.0	0.001821	522.60382	553.86713
547.0	0.001828	522.60742	553.52454
549.0	0.001821	522.61096	553.18756
549.0	0.001821	522.61450	552.85651
546.0	0.001832	522.61804	552.53113
544.0	0.001838	522.62158	552.21106
546.0	0.001832	522.62506	551.89642
547.0	0.001828	522.62854	551.58710
546.0	0.001832	522.63196	551.28278
552.0	0.001812	522.63538	550.98346
553.0	0.001808	522.63879	550.68915
549.0	0.001821	522.64221	550.39966
544.0	0.001838	522.64557	550.11487
539.0	0.001855	522.64899	549.83453
540.0	0.001852	522.65228	549.55878
545.0	0.001835	522.65564	549.28748
542.0	0.001845	522.65894	549.02039
542.0	0.001845	522.66223	548.75763
540.0	0.001852	522.66547	548.49890
540.0	0.001852	522.66870	548.24426
544.0	0.001838	522.67194	547.99371
548.0	0.001825	522.67517	547.74683
548.0	0.001825	522.67834	547.50397
542.0	0.001845	522.68152	547.26471
541.0	0.001848	522.68469	547.02911
544.0	0.001838	522.68781	546.79718
548.0	0.001825	522.69092	546.56873
545.0	0.001835	522.69403	546.34357
544.0	0.001838	522.69714	546.12195
542.0	0.001845	522.70020	545.90363
543.0	0.001842	522.70325	545.68860
545.0	0.001835	522.70624	545.47662
546.0	0.001832	522.70929	545.26776
540.0	0.001852	522.71222	545.06201
540.0	0.001852	522.71521	544.85913
542.0	0.001845	522.71814	544.65942
542.0	0.001845	522.72107	544.46259
540.0	0.001852	522.72400	544.26831
539.0	0.001855	522.72693	544.07703
542.0	0.001845	522.72980	543.88843
541.0	0.001848	522.73260	543.70251
535.0	0.001869	522.73547	543.51917
536.0	0.001866	522.73828	543.34143
538.0	0.001859	522.74109	543.16321
536.0	0.001866	522.74390	542.98755

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544.0	0.001838	522.74939	542.64343
541.0	0.001848	522.75208	542.47491
544.0	0.001838	522.75482	542.30853
539.0	0.001855	522.75751	542.14459
543.0	0.001842	522.76013	541.98297
540.0	0.001852	522.76282	541.82330
539.0	0.001855	522.76544	541.66589
540.0	0.001852	522.76807	541.51068
543.0	0.001842	522.77063	541.35748
542.0	0.001845	522.77319	541.20624
540.0	0.001852	522.77576	541.05707
540.0	0.001852	522.77832	540.90985
543.0	0.001842	522.78082	540.76447
540.0	0.001852	522.78333	540.62109
539.0	0.001855	522.78583	540.47955
536.0	0.001866	522.78827	540.33990
533.0	0.001876	522.79071	540.20203
535.0	0.001869	522.79315	540.06580
538.0	0.001859	522.79553	539.93152
537.0	0.001862	522.79791	539.79877
537.0	0.001862	522.80029	539.66785
538.0	0.001859	522.80267	539.53851
542.0	0.001845	522.80499	539.41064
539.0	0.001855	522.80731	539.28467
543.0	0.001842	522.80957	539.16028
543.0	0.001842	522.81189	539.03729
540.0	0.001852	522.81415	538.91577
540.0	0.001852	522.81635	538.79596
539.0	0.001855	522.81860	538.67743
537.0	0.001862	522.82080	538.56030
537.0	0.001862	522.82294	538.44476
536.0	0.001866	522.82513	538.33051
544.0	0.001838	522.82727	538.21777
541.0	0.001848	522.82941	538.10620
535.0	0.001869	522.83148	537.99609
542.0	0.001845	522.83362	537.88739
542.0	0.001845	522.83563	537.77997
541.0	0.001848	522.83771	537.67365
537.0	0.001862	522.83972	537.56866
534.0	0.001873	522.84174	537.46497
538.0	0.001859	522.84375	537.36243
539.0	0.001855	522.84570	537.26111
545.0	0.001835	522.84766	537.16095
537.0	0.001862	522.84961	537.06189
541.0	0.001848	522.85150	536.96417
543.0	0.001842	522.85345	536.86743
541.0	0.001848	522.85529	536.77179
537.0	0.001862	522.85718	536.67737
537.0	0.001862	522.85901	536.58398
540.0	0.001852	522.86084	536.49158
539.0	0.001855	522.86261	536.40033
535.0	0.001869	522.86444	536.31000
540.0	0.001852	522.86621	536.22070
541.0	0.001848	522.86792	536.13239
539.0	0.001855	522.86969	536.04510
538.0	0.001859	522.87140	535.95874
539.0	0.001855	522.87311	535.87341
539.0	0.001855	522.87476	535.78900
541.0	0.001848	522.87640	535.70551
537.0	0.001862	522.87805	535.62299
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537.0	0.001862	522.88129	535.46039
540.0	0.001852	522.88281	535.38055
537.0	0.001862	522.88440	535.30151
541.0	0.001848	522.88593	535.22327

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540.0	0.001852	522.88898	535.06927
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540.0	0.001852	522.89337	534.84448
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535.0	0.001869	522.89624	534.69855
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535.0	0.001869	522.90302	534.34674
533.0	0.001876	522.90430	534.27856
532.0	0.001880	522.90558	534.21112
530.0	0.001887	522.90686	534.14435
535.0	0.001869	522.90808	534.07819
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541.0	0.001848	522.91052	533.94788
537.0	0.001862	522.91168	533.88373
538.0	0.001859	522.91284	533.82031
539.0	0.001855	522.91400	533.75745
540.0	0.001852	522.91516	533.69519
535.0	0.001869	522.91626	533.63354
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536.0	0.001866	522.91840	533.51221
535.0	0.001869	522.91949	533.45245
532.0	0.001880	522.92053	533.39325
534.0	0.001873	522.92151	533.33453
539.0	0.001855	522.92255	533.27643
540.0	0.001852	522.92352	533.21893
537.0	0.001862	522.92444	533.16205
536.0	0.001866	522.92542	533.10559
537.0	0.001862	522.92633	533.04974
536.0	0.001866	522.92725	532.99445
534.0	0.001873	522.92810	532.93964
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535.0	0.001869	522.92981	532.83154
535.0	0.001869	522.93066	532.77838
536.0	0.001866	522.93146	532.72559
538.0	0.001859	522.93225	532.67328
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543.0	0.001842	522.93793	532.27234
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546.0	0.001832	522.93976	532.12952
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544.0	0.001838	522.94196	531.94507
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543.0	0.001842	522.94336	531.81097
544.0	0.001838	522.94379	531.76709
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536.0	0.001866	522.94464	531.68042
535.0	0.001869	522.94501	531.63763
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537.0	0.001862	522.94635	531.47021

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535.0	0.001869	522.94739	531.30859
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533.0	0.001876	522.94873	530.85541
535.0	0.001869	522.94873	530.81958
532.0	0.001880	522.94873	530.78412
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537.0	0.001862	522.94861	530.71393
538.0	0.001859	522.94855	530.67938
537.0	0.001862	522.94843	530.64502
538.0	0.001859	522.94830	530.61108
530.0	0.001887	522.94818	530.57727
530.0	0.001887	522.94806	530.54370
535.0	0.001869	522.94788	530.51050
535.0	0.001869	522.94769	530.47742
539.0	0.001855	522.94745	530.44476
534.0	0.001873	522.94720	530.41235
535.0	0.001869	522.94696	530.38013
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532.0	0.001880	522.94641	530.31647
532.0	0.001880	522.94611	530.28510
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536.0	0.001866	522.94348	530.07178
535.0	0.001869	522.94305	530.04224
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532.0	0.001880	522.93689	529.73163
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533.0	0.001876	522.91357	529.12903
533.0	0.001876	522.91241	529.10669
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524.0	0.001908	522.91010	529.06250
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531.0	0.001883	522.89594	528.83002
527.0	0.001898	522.89453	528.80981
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535.0	0.001869	522.88727	528.71039
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534.0	0.001873	522.80200	527.94495
534.0	0.001873	522.79968	527.93011
537.0	0.001862	522.79736	527.91553
542.0	0.001845	522.79504	527.90094
540.0	0.001852	522.79266	527.88660
535.0	0.001869	522.79034	527.87225
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533.0	0.001876	522.78552	527.84369
534.0	0.001873	522.78308	527.82959
536.0	0.001866	522.78064	527.81555
533.0	0.001876	522.77820	527.80151
534.0	0.001873	522.77576	527.78772
535.0	0.001869	522.77325	527.77393
531.0	0.001883	522.77075	527.76019
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527.0	0.001898	522.76569	527.73285
530.0	0.001887	522.76312	527.71948
531.0	0.001883	522.76050	527.70612
534.0	0.001873	522.75793	527.69269
532.0	0.001880	522.75531	527.67957
532.0	0.001880	522.75269	527.66632
532.0	0.001880	522.75000	527.65320
531.0	0.001883	522.74738	527.64020
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527.0	0.001898	522.73926	527.60156
527.0	0.001898	522.73651	527.58887
529.0	0.001890	522.73376	527.57617
533.0	0.001876	522.73102	527.56372
532.0	0.001880	522.72821	527.55121
528.0	0.001894	522.72540	527.53864
528.0	0.001894	522.72260	527.52631
526.0	0.001901	522.71973	527.51398
529.0	0.001890	522.71692	527.50177
524.0	0.001908	522.71405	527.48962
530.0	0.001887	522.71112	527.47748
530.0	0.001887	522.70825	527.46558
527.0	0.001898	522.70532	527.45349
526.0	0.001901	522.70239	527.44165
529.0	0.001890	522.69940	527.42981
533.0	0.001876	522.69641	527.41803
533.0	0.001876	522.69342	527.40637
528.0	0.001894	522.69043	527.39471
529.0	0.001890	522.68744	527.38312
534.0	0.001873	522.68439	527.37164
541.0	0.001848	522.68134	527.36017
537.0	0.001862	522.67822	527.34882
530.0	0.001887	522.67517	527.33752
529.0	0.001890	522.67206	527.32623
529.0	0.001890	522.66888	527.31500
529.0	0.001890	522.66577	527.30396
525.0	0.001905	522.66260	527.29291
526.0	0.001901	522.65942	527.28210
529.0	0.001890	522.65625	527.27094
527.0	0.001898	522.65302	527.26025
531.0	0.001883	522.64978	527.24933

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532.0	0.001880	522.64325	527.22803
529.0	0.001890	522.64001	527.21729
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526.0	0.001901	522.60626	527.11414
523.0	0.001912	522.60284	527.10413
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533.0	0.001876	522.58527	527.05487
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522.0	0.001916	522.54138	526.94244
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522.0	0.001916	522.42572	526.70026
521.0	0.001919	522.42151	526.69263
520.0	0.001923	522.41724	526.68506
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529.0	0.001890	522.40442	526.66254
525.0	0.001905	522.40015	526.65521



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525.0	0.001905	522.38269	526.62610
520.0	0.001923	522.37836	526.61884
523.0	0.001912	522.37390	526.61169
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523.0	0.001912	522.34717	526.56995
522.0	0.001916	522.34265	526.56305
526.0	0.001901	522.33813	526.55615
525.0	0.001905	522.33356	526.54962
525.0	0.001905	522.32898	526.54279
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523.0	0.001912	522.31982	526.52954
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517.0	0.001934	522.30127	526.50378
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523.0	0.001912	522.27777	526.47229
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523.0	0.001912	522.24902	526.43604
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529.0	0.001890	521.94336	526.16779
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529.0	0.001890	521.92621	526.15796
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526.0	0.001901	520.60846	526.95453
523.0	0.001912	520.60034	526.96875
520.0	0.001923	520.59222	526.98291
523.0	0.001912	520.58417	526.99725
521.0	0.001919	520.57605	527.01196
517.0	0.001934	520.56793	527.02655
518.0	0.001931	520.55975	527.04163
518.0	0.001931	520.55164	527.05670
515.0	0.001942	520.54346	527.07190
513.0	0.001949	520.53528	527.08746
516.0	0.001938	520.52710	527.10303
519.0	0.001927	520.51892	527.11896
522.0	0.001916	520.51074	527.13483
519.0	0.001927	520.50250	527.15106
520.0	0.001923	520.49432	527.16742
524.0	0.001908	520.48608	527.18396
518.0	0.001931	520.47784	527.20068
521.0	0.001919	520.46960	527.21753
519.0	0.001927	520.46130	527.23468
521.0	0.001919	520.45306	527.25201
525.0	0.001905	520.44476	527.26947
529.0	0.001890	520.43646	527.28717
526.0	0.001901	520.42816	527.30505
525.0	0.001905	520.41986	527.32318
522.0	0.001916	520.41156	527.34155
522.0	0.001916	520.40326	527.36005
524.0	0.001908	520.39490	527.37854
532.0	0.001880	520.38654	527.39740
533.0	0.001876	520.37817	527.41656
525.0	0.001905	520.36981	527.43585
519.0	0.001927	520.36145	527.45544
522.0	0.001916	520.35309	527.47516
523.0	0.001912	520.34467	527.49512
525.0	0.001905	520.33624	527.51532
521.0	0.001919	520.32788	527.53564
523.0	0.001912	520.31946	527.55621
528.0	0.001894	520.31097	527.57697
522.0	0.001916	520.30255	527.59796
517.0	0.001934	520.29413	527.61926
518.0	0.001931	520.28564	527.64075
523.0	0.001912	520.27716	527.66260
523.0	0.001912	520.26868	527.68451
518.0	0.001931	520.26019	527.70660
525.0	0.001905	520.25171	527.72913
527.0	0.001898	520.24316	527.75159
523.0	0.001912	520.23468	527.77454
522.0	0.001916	520.22614	527.79767
527.0	0.001898	520.21759	527.82092

530.0	0.001887	520.20905	527.84467
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521.0	0.001919	520.19196	527.89246
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527.0	0.001898	520.16620	527.96613
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521.0	0.001919	520.14899	528.01666
521.0	0.001919	520.14032	528.04218
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520.0	0.001923	520.09711	528.17413
521.0	0.001919	520.08844	528.20129
522.0	0.001916	520.07977	528.22870
523.0	0.001912	520.07104	528.25647
530.0	0.001887	520.06238	528.28455
526.0	0.001901	520.05365	528.31268
526.0	0.001901	520.04492	528.34137
528.0	0.001894	520.03619	528.37024
526.0	0.001901	520.02747	528.39935
520.0	0.001923	520.01874	528.42865
523.0	0.001912	520.00995	528.45844
526.0	0.001901	520.00122	528.48840
523.0	0.001912	519.99243	528.51874
523.0	0.001912	519.98364	528.54932
525.0	0.001905	519.97485	528.58014
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526.0	0.001901	519.95728	528.64288
522.0	0.001916	519.94849	528.67462
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523.0	0.001912	519.93079	528.73914
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525.0	0.001905	519.89539	528.87183
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527.0	0.001898	519.73444	529.53479
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534.0	0.001873	519.71637	529.61542
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521.0	0.001919	519.69830	529.69745
521.0	0.001919	519.68921	529.73901
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523.0	0.001912	519.67108	529.82330
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522.0	0.001916	519.64386	529.95282
523.0	0.001912	519.63477	529.99664

520.0	0.001923	519.62567	530.04095
525.0	0.001905	519.61652	530.08557
528.0	0.001894	519.60742	530.13062
528.0	0.001894	519.59827	530.17609
524.0	0.001908	519.58917	530.22192
521.0	0.001919	519.58002	530.26819
523.0	0.001912	519.57086	530.31476
522.0	0.001916	519.56171	530.36182
521.0	0.001919	519.55255	530.40936
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531.0	0.001883	519.53418	530.50549
531.0	0.001883	519.52496	530.55408
525.0	0.001905	519.51581	530.60315
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532.0	0.001880	519.49738	530.70258
531.0	0.001883	519.48816	530.75281
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532.0	0.001880	519.46967	530.85486
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527.0	0.001898	519.40485	531.22528
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527.0	0.001898	519.37695	531.39056
527.0	0.001898	519.36761	531.44653
527.0	0.001898	519.35834	531.50281
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525.0	0.001905	519.33032	531.67468
528.0	0.001894	519.32098	531.73291
525.0	0.001905	519.31158	531.79156
527.0	0.001898	519.30225	531.85071
526.0	0.001901	519.29285	531.91034
527.0	0.001898	519.28351	531.97034
526.0	0.001901	519.27411	532.03082
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529.0	0.001890	519.25531	532.15302
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525.0	0.001905	519.22711	532.33990
528.0	0.001894	519.21765	532.40308
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527.0	0.001898	519.18939	532.73828
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526.0	0.001901	519.17047	532.86945
529.0	0.001890	519.16101	532.93585
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526.0	0.001901	519.14209	533.06982
531.0	0.001883	519.13257	533.13757
531.0	0.001883	519.12311	533.20575
533.0	0.001876	519.11359	533.27435
531.0	0.001883	519.10413	533.34338
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529.0	0.001890	519.08508	533.48297
529.0	0.001890	519.07556	533.55341
529.0	0.001890	519.06604	533.62427
525.0	0.001905	519.05652	533.69574
526.0	0.001901	519.04700	533.76758
530.0	0.001887	519.03741	533.83997
525.0	0.001905	519.02789	533.91266
533.0	0.001876	519.01831	533.98602

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531.0	0.001883	518.99921	534.13348
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528.0	0.001894	518.98004	534.28308
535.0	0.001869	518.97046	534.35852
531.0	0.001883	518.96082	534.43445
531.0	0.001883	518.95123	534.51080
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526.0	0.001901	518.93201	534.66479
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532.0	0.001880	518.89349	534.97784
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522.0	0.001916	518.87427	535.13684
524.0	0.001908	518.86456	535.21704
529.0	0.001890	518.85492	535.29761
523.0	0.001912	518.84528	535.37854
521.0	0.001919	518.83557	535.45996
518.0	0.001931	518.82593	535.54175
524.0	0.001908	518.81622	535.62390
522.0	0.001916	518.80658	535.70642
522.0	0.001916	518.79688	535.78937
527.0	0.001898	518.78717	535.87268
527.0	0.001898	518.77747	535.95630
527.0	0.001898	518.76776	536.04047
524.0	0.001908	518.75806	536.12476
529.0	0.001890	518.74829	536.20947
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531.0	0.001883	518.71912	536.46600
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533.0	0.001876	518.69965	536.63855
538.0	0.001859	518.68988	536.72546
536.0	0.001866	518.68011	536.81262
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534.0	0.001873	518.65082	537.07587
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532.0	0.001880	518.62146	537.34186
529.0	0.001890	518.61169	537.43103
533.0	0.001876	518.60187	537.52045
532.0	0.001880	518.59210	537.61035
530.0	0.001887	518.58228	537.70038
532.0	0.001880	518.57245	537.79065
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536.0	0.001866	518.55280	537.97180
535.0	0.001869	518.54297	538.06287
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536.0	0.001866	518.52332	538.24536
529.0	0.001890	518.51343	538.33698
532.0	0.001880	518.50360	538.42889
533.0	0.001876	518.49377	538.52081
530.0	0.001887	518.48389	538.61304
532.0	0.001880	518.47400	538.70538
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535.0	0.001869	518.37512	539.63855



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537.0	0.001862	518.21594	541.16071
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543.0	0.001842	518.18597	541.45050
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543.0	0.001842	518.15594	541.74249
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536.0	0.001866	518.10590	542.23486
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543.0	0.001842	518.07581	542.53497
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540.0	0.001852	518.00543	543.25610
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543.0	0.001842	517.95502	543.79755
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544.0	0.001838	517.91467	544.25476
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556.0	0.001799	517.45703	556.22296
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559.0	0.001789	516.81885	555.82703
562.0	0.001779	516.80853	554.94550
556.0	0.001799	516.79816	554.09338
548.0	0.001825	516.78784	553.27039
558.0	0.001792	516.77747	552.47638
554.0	0.001805	516.76715	551.71021
553.0	0.001808	516.75677	550.97180
549.0	0.001821	516.74646	550.26038
541.0	0.001848	516.73608	549.57538
543.0	0.001842	516.72577	548.91565
543.0	0.001842	516.71539	548.28058
549.0	0.001821	516.70508	547.66974
547.0	0.001828	516.69470	547.08154
549.0	0.001821	516.68433	546.45007
550.0	0.001818	516.67401	545.90546
545.0	0.001835	516.66364	545.38129
543.0	0.001842	516.65326	544.87683
549.0	0.001821	516.64294	544.39136
549.0	0.001821	516.63257	543.92377
552.0	0.001812	516.62219	543.47351
550.0	0.001818	516.61188	543.03967
548.0	0.001825	516.60150	542.62164
547.0	0.001828	516.59113	542.21863
548.0	0.001825	516.58081	541.82983
541.0	0.001848	516.57043	541.45477
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543.0	0.001842	516.54968	540.74304
543.0	0.001842	516.53937	540.40509
539.0	0.001855	516.52899	540.07831
537.0	0.001862	516.51862	539.76208
537.0	0.001862	516.50824	539.45624
536.0	0.001866	516.49786	539.15997
533.0	0.001876	516.48755	538.87274
535.0	0.001869	516.47717	538.59406
539.0	0.001855	516.46680	538.32367
540.0	0.001852	516.45642	538.06116
540.0	0.001852	516.44604	537.80609
541.0	0.001848	516.43573	537.55829
541.0	0.001848	516.42535	537.31708
537.0	0.001862	516.41498	537.08221
537.0	0.001862	516.40460	536.85345
537.0	0.001862	516.39423	536.63068
538.0	0.001859	516.38385	536.41333
539.0	0.001855	516.37354	536.20099
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532.0	0.001880	516.35278	535.79150

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538.0	0.001859	516.29059	534.66669
537.0	0.001862	516.28021	534.49231
531.0	0.001883	516.26984	534.32135
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532.0	0.001880	516.23871	533.82764
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532.0	0.001880	516.20764	533.35999
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537.0	0.001862	516.17651	532.91528
530.0	0.001887	516.16614	532.77185
527.0	0.001898	516.15582	532.63074
528.0	0.001894	516.14545	532.49176
528.0	0.001894	516.13507	532.35480
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527.0	0.001898	515.94855	530.19250
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527.0	0.001898	515.88647	529.57477
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522.0	0.001916	515.67963	527.78693
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521.0	0.001919	515.64862	527.54907
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522.0	0.001916	515.61761	527.31818
523.0	0.001912	515.60730	527.24280
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527.0	0.001898	515.43201	526.06250
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523.0	0.001912	515.33942	525.50818
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532.0	0.001880	515.18542	524.67725
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521.0	0.001919	515.12396	524.37433
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522.0	0.001916	515.08301	524.18109
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525.0	0.001905	512.77472	523.62903
526.0	0.001901	512.76544	523.71277
531.0	0.001883	512.75616	523.79834
527.0	0.001898	512.74689	523.88623
525.0	0.001905	512.73761	523.97638
529.0	0.001890	512.72833	524.06873
530.0	0.001887	512.71912	524.16296
528.0	0.001894	512.70984	524.25983
525.0	0.001905	512.70062	524.35876
522.0	0.001916	512.69135	524.46063
523.0	0.001912	512.68213	524.56451
529.0	0.001890	512.67291	524.67133
525.0	0.001905	512.66364	524.78052
528.0	0.001894	512.65442	524.89252
526.0	0.001901	512.64520	525.00732
532.0	0.001880	512.63605	525.12494
531.0	0.001883	512.62683	525.24567
531.0	0.001883	512.61761	525.36926
533.0	0.001876	512.60840	525.49603
531.0	0.001883	512.59924	525.62598
532.0	0.001880	512.59003	525.75922
528.0	0.001894	512.58087	525.89594
530.0	0.001887	512.57172	526.03613
531.0	0.001883	512.56256	526.17993
529.0	0.001890	512.55341	526.32733
531.0	0.001883	512.54425	526.47864
534.0	0.001873	512.53510	526.63379
535.0	0.001869	512.52594	526.79309
529.0	0.001890	512.51678	526.95667
526.0	0.001901	512.50769	527.12445
532.0	0.001880	512.49854	527.29681
531.0	0.001883	512.48944	527.47363
533.0	0.001876	512.48029	527.65521
530.0	0.001887	512.47119	527.84186
529.0	0.001890	512.46210	528.03345
531.0	0.001883	512.45300	528.23035
532.0	0.001880	512.44391	528.43268
531.0	0.001883	512.43481	528.64063
535.0	0.001869	512.42572	528.85443

533.0	0.001876	512.41669	529.07416
534.0	0.001873	512.40759	529.30023
532.0	0.001880	512.39856	529.53271
531.0	0.001883	512.38947	529.77185
534.0	0.001873	512.38043	530.01794
534.0	0.001873	512.37140	530.27118
536.0	0.001866	512.36237	530.53198
536.0	0.001866	512.35333	530.80072
539.0	0.001855	512.34430	531.07721
537.0	0.001862	512.33527	531.36230
538.0	0.001859	512.32623	531.65601
539.0	0.001855	512.31726	531.95880
535.0	0.001869	512.30823	532.27124
536.0	0.001866	512.29926	532.59314
537.0	0.001862	512.29022	532.92542
541.0	0.001848	512.28125	533.26825
543.0	0.001842	512.27228	533.62219
541.0	0.001848	512.26331	533.98767
537.0	0.001862	512.25433	534.36530
537.0	0.001862	512.24536	534.75537
538.0	0.001859	512.23639	535.15857
535.0	0.001869	512.22742	535.57550
534.0	0.001873	512.21851	536.00647
540.0	0.001852	512.20953	536.45251
547.0	0.001828	512.20062	536.91394
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535.0	0.001869	512.18280	537.88635
543.0	0.001842	512.17383	538.39868
548.0	0.001825	512.16492	538.92938
549.0	0.001821	512.15607	539.47943
549.0	0.001821	512.14716	540.04962
546.0	0.001832	512.13824	540.64093
546.0	0.001832	512.12933	541.25397
548.0	0.001825	512.12048	541.89008
550.0	0.001818	512.11163	542.54999
555.0	0.001802	512.10272	543.23511
553.0	0.001808	512.09387	543.94623
551.0	0.001815	512.08502	544.68451
553.0	0.001808	512.07617	545.45105
558.0	0.001792	512.06732	546.24738
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553.0	0.001808	512.04962	547.93384
550.0	0.001818	512.04083	548.82672
553.0	0.001808	512.03198	549.75458
558.0	0.001792	512.02319	550.71851
560.0	0.001786	512.01434	551.72058
559.0	0.001789	512.00555	552.76184
559.0	0.001789	511.99677	553.84387
560.0	0.001786	511.98798	554.96851
561.0	0.001783	511.97919	556.13715
563.0	0.001776	511.97043	557.35162
557.0	0.001795	511.96164	558.61334
560.0	0.001786	511.95288	559.92419
558.0	0.001792	511.94412	561.28589
557.0	0.001795	511.93536	562.70007
571.0	0.001751	511.92661	564.16846
572.0	0.001748	511.91788	565.69263
571.0	0.001751	511.90912	567.27448
566.0	0.001767	511.90039	568.91553
575.0	0.001739	511.89169	570.61737
577.0	0.001733	511.88297	572.38153
576.0	0.001736	511.87424	574.20953
574.0	0.001742	511.86554	576.10254
583.0	0.001715	511.85684	578.06177
579.0	0.001727	511.84814	580.08801
578.0	0.001730	511.83948	582.18243

583.0	0.001715	511.83078	584.34540
590.0	0.001695	511.82211	586.57715
585.0	0.001709	511.81342	588.87750
588.0	0.001701	511.80478	591.24585
589.0	0.001698	511.79611	593.68134
590.0	0.001695	511.78745	596.18243
595.0	0.001681	511.77881	598.74701
600.0	0.001667	511.77017	601.37219
595.0	0.001681	511.76154	604.05432
597.0	0.001675	511.75293	606.78900
595.0	0.001681	511.74429	609.57092
600.0	0.001667	511.73569	612.39331
608.0	0.001645	511.72708	615.24921
612.0	0.001634	511.71848	618.12952
614.0	0.001629	511.70987	621.02454
617.0	0.001621	511.70129	623.92297
616.0	0.001623	511.69272	626.81244
625.0	0.001600	511.68414	629.67896
630.0	0.001587	511.67557	632.50781
632.0	0.001582	511.66699	635.28296
638.0	0.001567	511.65845	637.98724
641.0	0.001560	511.64990	640.60260
640.0	0.001563	511.64133	643.11047
647.0	0.001546	511.63281	645.49231
646.0	0.001548	511.62427	647.72931
654.0	0.001529	511.61575	649.80280
655.0	0.001527	511.60721	651.69525
649.0	0.001541	511.59869	653.39020
660.0	0.001515	511.59021	654.87299
661.0	0.001513	511.58170	656.13055
656.0	0.001524	511.57321	657.15253
652.0	0.001534	511.56470	657.93140
651.0	0.001536	511.55621	658.46216
658.0	0.001520	511.54776	658.74329
660.0	0.001515	511.53928	658.77606
655.0	0.001527	511.53082	658.56525
658.0	0.001520	511.52237	658.11847
654.0	0.001529	511.51392	657.44629
650.0	0.001538	511.50546	656.56177
654.0	0.001529	511.49701	655.48016
655.0	0.001527	511.48859	654.21851
657.0	0.001522	511.48016	652.79504
659.0	0.001517	511.47174	651.22968
658.0	0.001520	511.46332	649.54224
658.0	0.001520	511.45493	647.75330
655.0	0.001527	511.44650	645.88275
658.0	0.001520	511.43811	643.95050
660.0	0.001515	511.42972	641.97571
654.0	0.001529	511.42136	639.97644
654.0	0.001529	511.41296	637.96991
651.0	0.001536	511.40460	635.97235
648.0	0.001543	511.39624	633.99841
645.0	0.001550	511.38788	632.06195
645.0	0.001550	511.37952	630.17535
640.0	0.001563	511.37119	628.34979
638.0	0.001567	511.36282	626.59558
644.0	0.001553	511.35452	624.92157
644.0	0.001553	511.34619	623.33606
642.0	0.001558	511.33786	621.84644
635.0	0.001575	511.32956	620.45868
634.0	0.001577	511.32123	619.17859
629.0	0.001590	511.31293	618.01117
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627.0	0.001595	511.29636	616.03156
626.0	0.001597	511.28809	615.22693
629.0	0.001590	511.27979	614.54956

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620.0	0.001613	511.26328	613.58881
619.0	0.001616	511.25500	613.30988
619.0	0.001616	511.24677	613.16821
626.0	0.001597	511.23853	613.16553
624.0	0.001603	511.23029	613.30371
623.0	0.001605	511.22205	613.58417
624.0	0.001603	511.21381	614.00818
626.0	0.001597	511.20560	614.57727
630.0	0.001587	511.19739	615.29230
630.0	0.001587	511.18918	616.15424
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625.0	0.001600	511.17279	618.32111
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628.0	0.001592	511.15643	621.07928
630.0	0.001587	511.14825	622.67926
630.0	0.001587	511.14008	624.42462
624.0	0.001603	511.13193	626.31372
618.0	0.001618	511.12378	628.34363
622.0	0.001608	511.11563	630.51080
626.0	0.001597	511.10748	632.81061
621.0	0.001610	511.09933	635.23694
621.0	0.001610	511.09122	637.78296
633.0	0.001580	511.08310	640.43964
640.0	0.001563	511.07498	643.19635
637.0	0.001570	511.06686	646.04077
629.0	0.001590	511.05875	648.95825
640.0	0.001563	511.05066	651.93170
650.0	0.001538	511.04257	654.94196
650.0	0.001538	511.03448	657.96729
652.0	0.001534	511.02640	660.98340
647.0	0.001546	511.01834	663.96332
648.0	0.001543	511.01025	666.87817
658.0	0.001520	511.00220	669.69659
661.0	0.001513	510.99414	672.38580
665.0	0.001504	510.98611	674.91193
668.0	0.001497	510.97806	677.24036
662.0	0.001511	510.97003	679.33655
661.0	0.001513	510.96201	681.16766
667.0	0.001499	510.95398	682.70221
671.0	0.001490	510.94598	683.91168
674.0	0.001484	510.93796	684.77185
662.0	0.001511	510.92996	685.26288
668.0	0.001497	510.92197	685.37012
664.0	0.001506	510.91397	685.08514
670.0	0.001493	510.90598	684.40582
670.0	0.001493	510.89801	683.33588
668.0	0.001497	510.89005	681.88544
661.0	0.001513	510.88208	680.07031
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667.0	0.001499	510.86618	675.43359
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665.0	0.001504	510.85028	669.63873
660.0	0.001515	510.84235	666.38525
663.0	0.001508	510.83444	662.93884
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667.0	0.001499	510.81860	655.59802
658.0	0.001520	510.81070	651.76678
653.0	0.001531	510.80280	647.86774
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645.0	0.001550	510.77911	636.01831
647.0	0.001546	510.77124	632.09027
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641.0	0.001560	510.75552	624.37158
639.0	0.001565	510.74765	620.60736

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629.0	0.001590	510.73196	613.31940
627.0	0.001595	510.72412	609.81049
623.0	0.001605	510.71631	606.39880
618.0	0.001618	510.70847	603.08771
627.0	0.001595	510.70065	599.87988
619.0	0.001616	510.69284	596.77692
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593.0	0.001686	510.66946	588.09930
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587.0	0.001704	510.63834	577.96448
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577.0	0.001733	510.62283	573.47656
576.0	0.001736	510.61508	571.36853
573.0	0.001745	510.60733	569.34741
577.0	0.001733	510.59961	567.41010
574.0	0.001742	510.59189	565.55389
567.0	0.001764	510.58414	563.77570
571.0	0.001751	510.57645	562.07263
573.0	0.001745	510.56873	560.44165
567.0	0.001764	510.56104	558.88007
565.0	0.001770	510.55331	557.38495
563.0	0.001776	510.54562	555.95349
565.0	0.001770	510.53796	554.58289
559.0	0.001789	510.53027	553.27057
558.0	0.001792	510.52261	552.01416
558.0	0.001792	510.51492	550.81073
555.0	0.001802	510.50726	549.65814
558.0	0.001792	510.49963	548.55396
552.0	0.001812	510.49197	547.49591
551.0	0.001815	510.48434	546.48187
549.0	0.001821	510.47668	545.50970
546.0	0.001832	510.46909	544.57727
545.0	0.001835	510.46146	543.68286
547.0	0.001828	510.45383	542.82440
546.0	0.001832	510.44623	542.00043
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546.0	0.001832	510.42343	539.71759
546.0	0.001832	510.41586	539.01447
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542.0	0.001845	510.39313	537.06012
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535.0	0.001869	510.24313	528.14117

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523.0	0.001912	509.57062	515.44104
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507.0	0.001972	507.05011	508.18600
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508.0	0.001969	507.02792	508.15475
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505.0	0.001980	504.72784	505.47055
499.0	0.002004	504.72125	505.46378
502.0	0.001992	504.71466	505.45700
496.0	0.002016	504.70804	505.45035
498.0	0.002008	504.70145	505.44363
499.0	0.002004	504.69482	505.43698
504.0	0.001984	504.68820	505.43021
504.0	0.001984	504.68158	505.42352
506.0	0.001976	504.67496	505.41681
500.0	0.002000	504.66833	505.41003
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506.0	0.001976	504.65506	505.39664
505.0	0.001980	504.64841	505.38995
500.0	0.002000	504.64175	505.38324
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505.0	0.001980	504.62845	505.36972
507.0	0.001972	504.62180	505.36298
505.0	0.001980	504.61511	505.35632
508.0	0.001969	504.60846	505.34970

506.0	0.001976	504.60178	505.34293
498.0	0.002008	504.59509	505.33621
504.0	0.001984	504.58841	505.32950
505.0	0.001980	504.58170	505.32285
508.0	0.001969	504.57501	505.31610
507.0	0.001972	504.56830	505.30939
504.0	0.001984	504.56161	505.30267
507.0	0.001972	504.55490	505.29608
507.0	0.001972	504.54816	505.28928
505.0	0.001980	504.54144	505.28262
504.0	0.001984	504.53473	505.27582
508.0	0.001969	504.52798	505.26917
510.0	0.001961	504.52127	505.26251
503.0	0.001988	504.51453	505.25583
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506.0	0.001976	504.49429	505.23575
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507.0	0.001972	504.48074	505.22238
511.0	0.001957	504.47400	505.21576
510.0	0.001961	504.46722	505.20895
507.0	0.001972	504.46045	505.20233
505.0	0.001980	504.45364	505.19565
502.0	0.001992	504.44687	505.18893
507.0	0.001972	504.44006	505.18225
508.0	0.001969	504.43329	505.17563
508.0	0.001969	504.42648	505.16891
507.0	0.001972	504.41968	505.16223
505.0	0.001980	504.41287	505.15552
503.0	0.001988	504.40604	505.14890
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503.0	0.001988	504.39240	505.13565
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506.0	0.001976	504.19937	504.94995
508.0	0.001969	504.19241	504.94336
506.0	0.001976	504.18542	504.93683
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505.0	0.001980	503.68591	504.48953

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507.0	0.001972	503.67133	504.48752
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498.0	0.002008	501.71039	504.57547
500.0	0.002000	501.70236	504.58875
504.0	0.001984	501.69437	504.60217
498.0	0.002008	501.68637	504.61554
498.0	0.002008	501.67834	504.62881
500.0	0.002000	501.67035	504.64209
501.0	0.001996	501.66235	504.65518
504.0	0.001984	501.65433	504.66830
505.0	0.001980	501.64633	504.68134
503.0	0.001988	501.63834	504.69424

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504.0	0.001984	501.62231	504.71967
502.0	0.001992	501.61432	504.73224
499.0	0.002004	501.60629	504.74466
505.0	0.001980	501.59830	504.75684
500.0	0.002000	501.59027	504.76883
501.0	0.001996	501.58228	504.78064
500.0	0.002000	501.57428	504.79227
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500.0	0.002000	501.54227	504.83618
498.0	0.002008	501.53427	504.84641
498.0	0.002008	501.52628	504.85635
500.0	0.002000	501.51828	504.86600
502.0	0.001992	501.51025	504.87521
503.0	0.001988	501.50226	504.88409
501.0	0.001996	501.49426	504.89267
500.0	0.002000	501.48627	504.90082
503.0	0.001988	501.47827	504.90854
501.0	0.001996	501.47028	504.91577
503.0	0.001988	501.46228	504.92264
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502.0	0.001992	501.43033	504.94525
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498.0	0.002008	501.41434	504.95352
498.0	0.002008	501.40634	504.95676
501.0	0.001996	501.39838	504.95947
501.0	0.001996	501.39038	504.96164
498.0	0.002008	501.38239	504.96317
496.0	0.002016	501.37442	504.96417
501.0	0.001996	501.36642	504.96457
501.0	0.001996	501.35846	504.96429
499.0	0.002004	501.35046	504.96332
501.0	0.001996	501.34250	504.96176
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506.0	0.001976	501.25485	504.90091
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499.0	0.002004	501.15152	504.72418
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503.0	0.001988	501.11191	504.62833

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502.0	0.001992	501.09607	504.58624
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507.0	0.001972	501.06442	504.49615
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496.0	0.002016	500.96188	504.16058
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496.0	0.002016	500.94614	504.10464
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497.0	0.002012	500.91473	503.99075
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497.0	0.002012	500.68869	503.14798
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501.0	0.001996	500.64240	502.98236
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507.0	0.001972	500.55029	502.66821
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497.0	0.002012	500.48932	502.47284
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503.0	0.001988	500.45895	502.37943
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503.0	0.001988	498.90536	499.61429
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501.0	0.001996	498.89618	499.60364

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503.0	0.001988	498.88705	499.59317
501.0	0.001996	498.88254	499.58801
502.0	0.001992	498.87802	499.58279
501.0	0.001996	498.87350	499.57755
499.0	0.002004	498.86905	499.57242
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501.0	0.001996	498.83829	499.53748
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495.0	0.002020	498.82965	499.52768
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498.0	0.002008	498.82114	499.51807
494.0	0.002024	498.81689	499.51334
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499.0	0.002004	498.79602	499.49011
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502.0	0.001992	498.77567	499.46762
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506.0	0.001976	498.75583	499.44595
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505.0	0.001980	499.23517	500.90311
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503.0	0.001988	499.25067	500.94025
501.0	0.001996	499.25848	500.95908
502.0	0.001992	499.26630	500.97800
502.0	0.001992	499.27420	500.99719
500.0	0.002000	499.28210	501.01660
500.0	0.002000	499.29007	501.03613
500.0	0.002000	499.29807	501.05588
503.0	0.001988	499.30612	501.07578
501.0	0.001996	499.31421	501.09589
498.0	0.002008	499.32233	501.11621
501.0	0.001996	499.33047	501.13666
502.0	0.001992	499.33868	501.15738
499.0	0.002004	499.34692	501.17816
494.0	0.002024	499.35519	501.19922
499.0	0.002004	499.36353	501.22049
501.0	0.001996	499.37189	501.24197
500.0	0.002000	499.38028	501.26364
507.0	0.001972	499.38873	501.28564
508.0	0.001969	499.39722	501.30771
505.0	0.001980	499.40573	501.33011
502.0	0.001992	499.41428	501.35260
501.0	0.001996	499.42288	501.37540
503.0	0.001988	499.43152	501.39841
507.0	0.001972	499.44022	501.42166
506.0	0.001976	499.44894	501.44507
508.0	0.001969	499.45770	501.46878
507.0	0.001972	499.46649	501.49265
506.0	0.001976	499.47534	501.51688
500.0	0.002000	499.48422	501.54126
505.0	0.001980	499.49316	501.56595
506.0	0.001976	499.50211	501.59091
506.0	0.001976	499.51111	501.61609
503.0	0.001988	499.52017	501.64160
498.0	0.002008	499.52924	501.66727
501.0	0.001996	499.53836	501.69321
502.0	0.001992	499.54755	501.71945
508.0	0.001969	499.55673	501.74600
504.0	0.001984	499.56598	501.77286
502.0	0.001992	499.57529	501.79993
506.0	0.001976	499.58459	501.82727
504.0	0.001984	499.59396	501.85504
502.0	0.001992	499.60336	501.88297
506.0	0.001976	499.61282	501.91122
506.0	0.001976	499.62231	501.93982
507.0	0.001972	499.63184	501.96875
506.0	0.001976	499.64142	501.99802
508.0	0.001969	499.65103	502.02756
506.0	0.001976	499.66068	502.05743
504.0	0.001984	499.67035	502.08774
505.0	0.001980	499.68008	502.11823
507.0	0.001972	499.68985	502.14917
506.0	0.001976	499.69968	502.18039
508.0	0.001969	499.70953	502.21201
507.0	0.001972	499.71942	502.24399
507.0	0.001972	499.72934	502.27637
508.0	0.001969	499.73932	502.30917
509.0	0.001965	499.74933	502.34229
502.0	0.001992	499.75940	502.37582
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506.0	0.001976	499.77963	502.44397
503.0	0.001988	499.78979	502.47876

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504.0	0.001984	499.82056	502.58545
499.0	0.002004	499.83090	502.62195
502.0	0.001992	499.84128	502.65884
508.0	0.001969	499.85172	502.69620
507.0	0.001972	499.86215	502.73407
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503.0	0.001988	499.89377	502.85059
503.0	0.001988	499.90442	502.89038
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499.0	0.002004	499.92575	502.97156
505.0	0.001980	499.93652	503.01300
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505.0	0.001980	499.97989	503.18417
508.0	0.001969	499.99084	503.22849
505.0	0.001980	500.00180	503.27338
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506.0	0.001976	500.09116	503.65576
501.0	0.001996	500.10251	503.70676
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504.0	0.001984	500.13678	503.86417
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