

Supplementary material for the article:

Milošev, M. Z.; Jakovljević, K.; Joksović, M. D.; Stanojković, T.; Matic, I. Z.; Perović, M.; Tešić, V.; Kanazir, S.; Mladenović, M.; Rodić, M. V.; et al. Mannich Bases of 1,2,4-Triazole-3-Thione Containing Adamantane Moiety: Synthesis, Preliminary Anticancer Evaluation, and Molecular Modeling Studies. *Chemical Biology and Drug Design* **2017**, *89* (6), 943–952.

<https://doi.org/10.1111/cbdd.12920>

data_1o

_audit_creation_date 2016-02-15T02:03:27-00:00
_audit_creation_method 'WinGX routine CIF_UPDATE'

#-----#
----#
CHEMICAL INFORMATION

#-----#
----#

_chemical_name_systematic
; 2-(N-(2-Fluorophenyl)aminomethyl)-5-adamantyl-2H-1,2,4-triazole-3(4H)-
thione
;
_chemical_name_common
; 2-(N-(2-Fluorophenyl)aminomethyl)-5-adamantyl-2H-1,2,4-triazole-3(4H)-
thione
;
_chemical_formula_moiety 'C19 H23 F N4 S'
_chemical_formula_sum 'C19 H23 F N4 S'
_chemical_formula_weight 358.47
_chemical_compound_source synthetic

#-----#
----#
UNIT CELL INFORMATION

#-----#
----#

_symmetry_cell_setting orthorhombic
_symmetry_space_group_name_H-M 'P b c a'
_symmetry_space_group_name_Hall '-P 2ac 2ab'
_symmetry_Int_Tables_number 61
_shelx_space_group_comment

;
The symmetry employed for this shelxl refinement is uniquely defined
by the following loop, which should always be used as a source of
symmetry information in preference to the above space-group names.
They are only intended as comments.

;
loop_
_symmetry_equiv_pos_as_xyz
'x, y, z'
'-x+1/2, -y, z+1/2'
'-x, y+1/2, -z+1/2'
'x+1/2, -y+1/2, -z'
'-x, -y, -z'
'x-1/2, y, -z-1/2'
'x, -y-1/2, z-1/2'
'-x-1/2, y-1/2, z'

_cell_length_a 8.7866(2)
_cell_length_b 18.2502(5)
_cell_length_c 23.2664(6)

_cell_angle_alpha	90
_cell_angle_beta	90
_cell_angle_gamma	90
_cell_volume	3730.91 (18)
_cell_formula_units_Z	8
_cell_measurement_temperature	294 (2)
_cell_measurement_reflns_used	3398
_cell_measurement_theta_min	2.578
_cell_measurement_theta_max	28.378
_cell_oxdiff_length_a	8.7883 (4)
_cell_oxdiff_length_b	18.2533 (10)
_cell_oxdiff_length_c	23.2577 (12)
_cell_oxdiff_angle_alpha	90.005 (4)
_cell_oxdiff_angle_beta	89.960 (4)
_cell_oxdiff_angle_gamma	89.985 (4)
_cell_oxdiff_volume	3730.9 (3)
_cell_oxdiff_measurement_reflns_used	3398

```
#-----#
----#
#                CRYSTAL INFORMATION
#
#-----#
----#
```

_exptl_crystal_description	block
_exptl_crystal_colour	colourless
_exptl_crystal_size_max	0.3338
_exptl_crystal_size_mid	0.2989
_exptl_crystal_size_min	0.2023
_exptl_crystal_density_diffn	1.276
_exptl_crystal_F_000	1520

```
loop_
  _exptl_crystal_face_index_h
  _exptl_crystal_face_index_k
  _exptl_crystal_face_index_l
  _exptl_crystal_face_perp_dist
0 0 1 0.1012
0 0 -1 0.1012
1 -2 -1 0.1357
-1 2 1 0.1357
-1 2 -1 0.1357
1 -2 1 0.1697
1 2 -1 0.1517
-1 -2 1 0.1467
1 2 1 0.1729
-1 -2 -1 0.1529
```

```
#-----#
----#
#                ABSORPTION CORRECTION
#
#-----#
----#
```

_exptl_absorpt_coefficient_mu	0.192
_exptl_absorpt_correction_type	analytical

```
_exptl_absorpt_process_details
; CrysAlisPro, Agilent Technologies,
Version 1.171.37.35 (release 13-08-2014 CrysAlis171 .NET)
compiled Aug 13 2014,18:06:01)
```

Analytical numeric absorption correction using a multifaceted crystal model based on expressions derived by Clark & Reid Clark, R. C. & Reid, J. S. (1995). Acta Cryst. A51, 887-897) followed by empirical absorption correction using spherical harmonics, implemented in SCALE3 ABSPACK scaling algorithm.

```
;
_exptl_absorpt_correction_T_min      0.951
_exptl_absorpt_correction_T_max      0.965
```

```
#-----#
----#
#                               DATA COLLECTION
#
#-----#
----#
```

```
_diffrn_source                      'fine focus sealed X-ray tube'
_diffrn_source_type                  'Enhance (Mo) (Oxford
Diffraction) '
_diffrn_ambient_temperature          294(2)
_diffrn_radiation_wavelength         0.71073
_diffrn_radiation_type               MoK\alpha
_diffrn_radiation_monochromator      graphite
_diffrn_radiation_probe              x-ray
_diffrn_detector                     'CCD area detector'
_diffrn_detector_type                'Sapphire3 (Oxford Diffraction) '
_diffrn_detector_area_resol_mean     16.328
_diffrn_orient_matrix_ub_11          0.0570446
_diffrn_orient_matrix_ub_12          0.0045881
_diffrn_orient_matrix_ub_13          -0.0212859
_diffrn_orient_matrix_ub_21          -0.0060809
_diffrn_orient_matrix_ub_22          -0.0376043
_diffrn_orient_matrix_ub_23          -0.0073332
_diffrn_orient_matrix_ub_31          -0.0567709
_diffrn_orient_matrix_ub_32          0.0086523
_diffrn_orient_matrix_ub_33          -0.0205725
_diffrn_measurement_device           '\k-geometry diffractometer'
_diffrn_measurement_device_type      'Gemini S (Oxford Diffraction) '
_diffrn_measurement_method           '\w scans'
_diffrn_measurement_specimen_support 'glass fiber'
_diffrn_reflns_av_R_equivalents      0.0228
_diffrn_reflns_av_unetI/netI         0.0339
_diffrn_reflns_number                10911
_diffrn_reflns_limit_h_min           -9
_diffrn_reflns_limit_h_max           11
_diffrn_reflns_limit_k_min           -22
_diffrn_reflns_limit_k_max           7
_diffrn_reflns_limit_l_min           -29
_diffrn_reflns_limit_l_max           31
_diffrn_reflns_theta_min             2.837
_diffrn_reflns_theta_max             28.945
_diffrn_reflns_theta_full            26.32
_diffrn_measured_fraction_theta_full 0.998
```

```
_diffn_measured_fraction_theta_max      0.885
_diffn_reflns_Laue_measured_fraction_full 0.998
_diffn_reflns_Laue_measured_fraction_max  0.885
_diffn_reflns_point_group_measured_fraction_full 0.998
_diffn_reflns_point_group_measured_fraction_max 0.885
```

```
_reflns_Friedel_coverage      0
_reflns_special_details
```

```
; Reflections were merged by SHELXL according to the crystal
class for the calculation of statistics and refinement.
```

```
_reflns_Friedel_fraction is defined as the number of unique
Friedel pairs measured divided by the number that would be
possible theoretically, ignoring centric projections and
systematic absences.
```

```
;
_reflns_number_total      4353
_reflns_number_gt        3044
_reflns_threshold_expression 'I > 2\s(I)'
```

```
#-----#
----#
#                COMPUTER PROGRAMS USED
#
#-----#
----#
```

```
_computing_data_collection
```

```
;
      CrysAlisPro, Agilent Technologies,
      Version 1.171.37.35 (release 13-08-2014 CrysAlis171 .NET)
      (compiled Aug 13 2014,18:06:01)
```

```
_computing_cell_refinement
```

```
;
      CrysAlisPro, Agilent Technologies,
      Version 1.171.37.35 (release 13-08-2014 CrysAlis171 .NET)
      (compiled Aug 13 2014,18:06:01)
```

```
_computing_data_reduction
```

```
;
      CrysAlisPro, Agilent Technologies,
      Version 1.171.37.35 (release 13-08-2014 CrysAlis171 .NET)
      (compiled Aug 13 2014,18:06:01)
```

```
_computing_structure_solution      'SHELXT 2014/5 (Sheldrick,
2015a) '
_computing_structure_refinement    'SHELXL-2014/7 (Sheldrick, 2014) '
_shelx_SHELXL_version_number      2014/7
_computing_molecular_graphics      'Mercury CSD (Macrae et al.,
2008) '
_computing_publication_material    'SHELXLE (H\"ubschle et al.,
2011) '
```

```
#-----#
----#
#                STRUCTURE SOLUTION
#
#-----#
----#
```

```
_atom_sites_solution_primary      dual
_atom_sites_solution_secondary    dual
_atom_sites_solution_hydrogens    mixed
```

```
#-----#
----#
#                               REFINEMENT INFORMATION
#
#-----#
----#
```

```
_refine_ls_structure_factor_coef    Fsqd
_refine_ls_matrix_type              full
_refine_ls_weighting_scheme         calc
_refine_ls_weighting_details
      'w=1/[\s^2^(Fo^2^)+(0.0557P)^2^+1.2567P] where
P=(Fo^2^+2Fc^2^)/3'
_refine_ls_hydrogen_treatment      mixed
_refine_ls_extinction_method        none
_refine_ls_number_reflns           4353
_refine_ls_number_parameters        316
_refine_ls_number_restraints        201
_refine_ls_R_factor_all             0.0755
_refine_ls_R_factor_gt              0.0488
_refine_ls_wR_factor_ref            0.1311
_refine_ls_wR_factor_gt            0.1152
_refine_ls_goodness_of_fit_ref      1.021
_refine_ls_restrained_S_all         1.024
_refine_ls_shift/su_max             0.001
_refine_ls_shift/su_mean            0
_refine_diff_density_max            0.41
_refine_diff_density_min            -0.364
_refine_diff_density_rms            0.039
```

```
#-----#
----#
#                               ATOMIC TYPES, COORDINATES AND THERMAL PARAMETERS
#
#-----#
----#
```

```
loop_
  _atom_type_symbol
  _atom_type_description
  _atom_type_scatter_dispersion_real
  _atom_type_scatter_dispersion_imag
  _atom_type_scatter_source
C C 0.0033 0.0016 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
H H 0 0 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
N N 0.0061 0.0033 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
F F 0.0171 0.0103 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
S S 0.1246 0.1234 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
```

```
loop_
  _atom_site_label
  _atom_site_type_symbol
  _atom_site_fract_x
```

```

_atom_site_fract_y
_atom_site_fract_z
_atom_site_U_iso_or_equiv
_atom_site_adp_type
_atom_site_occupancy
_atom_site_site_symmetry_order
_atom_site_calc_flag
_atom_site_refinement_flags_posn
_atom_site_refinement_flags_adp
_atom_site_refinement_flags_occupancy
_atom_site_disorder_assembly
_atom_site_disorder_group
S1 S 1.05734(6) 0.60722(3) 0.54080(2) 0.05175(18) Uani 1 1 d . . . . .
F1 F 0.49706(18) 0.83341(10) 0.62063(7) 0.0923(5) Uani 1 1 d . . . . .
N1 N 0.68869(18) 0.66106(9) 0.45698(7) 0.0452(4) Uani 1 1 d . . . . .
N2 N 0.80703(17) 0.67376(8) 0.49493(6) 0.0422(4) Uani 1 1 d . . . . .
N3 N 0.83040(18) 0.56337(9) 0.46798(7) 0.0425(4) Uani 1 1 d . . . . .
H3 H 0.864(2) 0.5196(12) 0.4649(9) 0.056(6) Uiso 1 1 d . . . . .
N4 N 0.7129(2) 0.77050(11) 0.55562(8) 0.0555(5) Uani 1 1 d . . . . .
H4 H 0.657(3) 0.8005(13) 0.5441(9) 0.058(7) Uiso 1 1 d . . . . .
C1 C 0.8960(2) 0.61499(9) 0.50151(8) 0.0407(4) Uani 1 1 d . . . . .
C2 C 0.7065(2) 0.59339(10) 0.44111(8) 0.0411(4) Uani 1 1 d . . . . .
C3 C 0.61262(18) 0.55322(8) 0.39781(7) 0.0411(4) Uani 1 1 d D . . . . .
C4A C 0.7181(3) 0.51794(15) 0.35249(9) 0.0445(7) Uani 0.718(3) 1 d D U P
A 1
H4A H 0.775 0.556 0.3328 0.053 Uiso 0.718(3) 1 calc R U P A 1
H5A H 0.7903 0.4858 0.3715 0.053 Uiso 0.718(3) 1 calc R U P A 1
C5A C 0.5260(4) 0.49057(17) 0.42781(11) 0.0561(9) Uani 0.718(3) 1 d D U P
A 1
H6A H 0.5978 0.4578 0.4463 0.067 Uiso 0.718(3) 1 calc R U P A 1
H7A H 0.4594 0.5106 0.4571 0.067 Uiso 0.718(3) 1 calc R U P A 1
C6A C 0.5039(4) 0.60460(15) 0.36506(14) 0.0603(9) Uani 0.718(3) 1 d D U P
A 1
H8A H 0.4374 0.6295 0.392 0.072 Uiso 0.718(3) 1 calc R U P A 1
H9A H 0.562 0.6413 0.3444 0.072 Uiso 0.718(3) 1 calc R U P A 1
C7A C 0.6257(4) 0.47388(18) 0.30851(13) 0.0518(9) Uani 0.718(3) 1 d D U P
A 1
H10A H 0.6943 0.452 0.2801 0.062 Uiso 0.718(3) 1 calc R U P A 1
C8A C 0.5386(4) 0.41389(19) 0.33963(14) 0.0602(9) Uani 0.718(3) 1 d D U P
A 1
H11A H 0.4805 0.3854 0.3121 0.072 Uiso 0.718(3) 1 calc R U P A 1
H12A H 0.6095 0.3813 0.3588 0.072 Uiso 0.718(3) 1 calc R U P A 1
C9A C 0.4318(4) 0.44793(19) 0.38352(13) 0.0616(10) Uani 0.718(3) 1 d D U
P A 1
H13A H 0.3746 0.4091 0.403 0.074 Uiso 0.718(3) 1 calc R U P A 1
C10A C 0.3214(4) 0.4999(3) 0.35410(18) 0.0760(13) Uani 0.718(3) 1 d D U P
A 1
H14A H 0.2589 0.4729 0.327 0.091 Uiso 0.718(3) 1 calc R U P A 1
H15A H 0.2548 0.5219 0.3825 0.091 Uiso 0.718(3) 1 calc R U P A 1
C11A C 0.4086(4) 0.5595(2) 0.32262(15) 0.0704(13) Uani 0.718(3) 1 d D U P
A 1
H16A H 0.3366 0.5918 0.3028 0.084 Uiso 0.718(3) 1 calc R U P A 1
C12A C 0.5140(4) 0.5243(2) 0.27881(15) 0.0650(11) Uani 0.718(3) 1 d D U P
A 1
H17A H 0.4545 0.4967 0.2512 0.078 Uiso 0.718(3) 1 calc R U P A 1
H18A H 0.5691 0.5622 0.2582 0.078 Uiso 0.718(3) 1 calc R U P A 1
C4B C 0.5982(10) 0.47005(15) 0.4080(4) 0.057(2) Uani 0.282(3) 1 d D U P A
2

```

H4B H 0.6981 0.4475 0.4064 0.069 Uiso 0.282(3) 1 calc R U P A 2
H5B H 0.5556 0.4611 0.4458 0.069 Uiso 0.282(3) 1 calc R U P A 2
C5B C 0.4492(3) 0.5829(4) 0.4047(3) 0.0490(19) Uani 0.282(3) 1 d D U P A 2
H6B H 0.4138 0.5722 0.4433 0.059 Uiso 0.282(3) 1 calc R U P A 2
H7B H 0.4507 0.6357 0.4001 0.059 Uiso 0.282(3) 1 calc R U P A 2
C6B C 0.6622(8) 0.5785(4) 0.33743(13) 0.060(2) Uani 0.282(3) 1 d D U P A 2
H8B H 0.6528 0.6312 0.3341 0.072 Uiso 0.282(3) 1 calc R U P A 2
H9B H 0.7674 0.5651 0.3305 0.072 Uiso 0.282(3) 1 calc R U P A 2
C7B C 0.4949(9) 0.4362(5) 0.3619(4) 0.052(2) Uani 0.282(3) 1 d D U P A 2
H10B H 0.493 0.3828 0.3657 0.062 Uiso 0.282(3) 1 calc R U P A 2
C8B C 0.3364(9) 0.4676(3) 0.3706(5) 0.053(2) Uani 0.282(3) 1 d D U P A 2
H11B H 0.3017 0.4567 0.4092 0.064 Uiso 0.282(3) 1 calc R U P A 2
H12B H 0.2665 0.4449 0.3437 0.064 Uiso 0.282(3) 1 calc R U P A 2
C9B C 0.3366(8) 0.5501(3) 0.3614(3) 0.0472(17) Uani 0.282(3) 1 d D U P A 2
H13B H 0.2345 0.5704 0.367 0.057 Uiso 0.282(3) 1 calc R U P A 2
C10B C 0.3973(9) 0.5696(7) 0.3022(4) 0.061(3) Uani 0.282(3) 1 d D U P A 2
H14B H 0.3977 0.6225 0.2977 0.074 Uiso 0.282(3) 1 calc R U P A 2
H15B H 0.331 0.5492 0.273 0.074 Uiso 0.282(3) 1 calc R U P A 2
C11B C 0.5577(9) 0.5404(4) 0.2939(4) 0.065(3) Uani 0.282(3) 1 d D U P A 2
H16B H 0.5924 0.5511 0.2548 0.077 Uiso 0.282(3) 1 calc R U P A 2
C12B C 0.5578(12) 0.4581(4) 0.3037(4) 0.064(3) Uani 0.282(3) 1 d D U P A 2
H17B H 0.4976 0.4348 0.2739 0.077 Uiso 0.282(3) 1 calc R U P A 2
H18B H 0.6613 0.44 0.3003 0.077 Uiso 0.282(3) 1 calc R U P A 2
C13 C 0.8305(2) 0.74789(10) 0.51800(9) 0.0468(5) Uani 1 1 d
H13C H 0.9267 0.7493 0.5384 0.056 Uiso 1 1 calc R U
H13D H 0.837 0.7822 0.4863 0.056 Uiso 1 1 calc R U
C14 C 0.7117(2) 0.75772(11) 0.61421(9) 0.0483(5) Uani 1 1 d
C15 C 0.6001(3) 0.79007(13) 0.64809(11) 0.0621(6) Uani 1 1 d
C16 C 0.5902(3) 0.78117(16) 0.70596(12) 0.0769(8) Uani 1 1 d
H16 H 0.5134 0.8041 0.7267 0.092 Uiso 1 1 calc R U
C17 C 0.6947(4) 0.73804(16) 0.73317(12) 0.0802(8) Uani 1 1 d
H17 H 0.6901 0.7315 0.7728 0.096 Uiso 1 1 calc R U
C18 C 0.8067(3) 0.70444(14) 0.70151(11) 0.0700(7) Uani 1 1 d
H18 H 0.8779 0.6749 0.7199 0.084 Uiso 1 1 calc R U
C19 C 0.8151(3) 0.71382(12) 0.64263(9) 0.0559(5) Uani 1 1 d
H19 H 0.8914 0.6903 0.6219 0.067 Uiso 1 1 calc R U

loop_

_atom_site_aniso_label
_atom_site_aniso_U_11
_atom_site_aniso_U_22
_atom_site_aniso_U_33
_atom_site_aniso_U_23
_atom_site_aniso_U_13
_atom_site_aniso_U_12

S1 0.0521(3) 0.0346(3) 0.0686(3) -0.0060(2) -0.0225(3) 0.0044(2)
F1 0.0768(10) 0.1020(12) 0.0980(11) -0.0198(10) 0.0033(9) 0.0369(9)
N1 0.0458(9) 0.0384(8) 0.0515(9) -0.0093(7) -0.0130(7) 0.0074(7)
N2 0.0456(9) 0.0325(8) 0.0485(9) -0.0080(7) -0.0113(7) 0.0060(7)
N3 0.0471(9) 0.0286(8) 0.0516(9) -0.0081(7) -0.0120(7) 0.0046(7)
N4 0.0601(12) 0.0528(11) 0.0536(10) -0.0145(9) -0.0115(9) 0.0219(9)
C1 0.0433(10) 0.0330(9) 0.0457(10) -0.0038(8) -0.0040(8) 0.0020(8)
C2 0.0429(10) 0.0360(9) 0.0443(9) -0.0042(8) -0.0070(8) 0.0057(8)
C3 0.0437(10) 0.0366(10) 0.0430(10) -0.0043(8) -0.0077(8) 0.0003(8)

C4A 0.0472(15) 0.0476(16) 0.0387(13) -0.0056(11) 0.0001(11) -0.0048(12)
C5A 0.060(2) 0.068(2) 0.0406(15) -0.0067(14) 0.0072(14) -0.0158(16)
C6A 0.0649(19) 0.0548(19) 0.0613(19) -0.0066(15) -0.0227(17) 0.0157(16)
C7A 0.056(2) 0.056(2) 0.0429(16) -0.0122(14) 0.0039(15) -0.0080(16)
C8A 0.071(2) 0.054(2) 0.056(2) -0.0134(16) -0.0031(17) -0.0139(17)
C9A 0.061(2) 0.067(2) 0.056(2) -0.0077(17) 0.0080(18) -0.026(2)
C10A 0.0481(19) 0.108(4) 0.072(3) -0.026(3) -0.0058(17) -0.006(2)
C11A 0.067(2) 0.078(3) 0.067(3) -0.012(2) -0.028(2) 0.011(2)
C12A 0.072(3) 0.072(2) 0.051(2) 0.0006(17) -0.0177(17) -0.012(2)
C4B 0.066(5) 0.041(4) 0.064(5) -0.006(4) -0.021(4) 0.004(4)
C5B 0.059(4) 0.036(3) 0.051(4) -0.004(3) -0.023(3) -0.002(3)
C6B 0.057(4) 0.066(5) 0.056(4) -0.012(4) -0.002(3) -0.007(4)
C7B 0.051(5) 0.041(4) 0.063(5) -0.012(4) -0.009(4) 0.002(3)
C8B 0.052(5) 0.043(4) 0.065(6) 0.001(3) -0.008(4) -0.007(3)
C9B 0.044(4) 0.041(4) 0.056(4) 0.002(3) -0.008(3) -0.001(3)
C10B 0.066(5) 0.070(6) 0.049(5) -0.001(4) -0.006(4) -0.013(4)
C11B 0.057(5) 0.081(6) 0.056(5) -0.013(4) -0.004(4) -0.018(4)
C12B 0.061(6) 0.070(5) 0.062(5) -0.028(4) 0.002(4) -0.008(4)
C13 0.0543(11) 0.0321(9) 0.0540(11) -0.0091(8) -0.0074(9) 0.0031(8)
C14 0.0479(11) 0.0414(11) 0.0558(11) -0.0156(9) -0.0067(9) -0.0062(9)
C15 0.0542(13) 0.0577(14) 0.0746(15) -0.0165(12) 0.0009(12) -0.0028(11)
C16 0.0837(18) 0.0752(18) 0.0717(17) -0.0167(14) 0.0217(15) -0.0156(15)
C17 0.101(2) 0.0813(19) 0.0581(14) -0.0035(13) 0.0083(16) -0.0292(17)
C18 0.0783(17) 0.0664(15) 0.0652(15) 0.0040(13) -0.0131(13) -0.0167(13)
C19 0.0553(12) 0.0524(12) 0.0602(13) -0.0055(10) -0.0057(10) -0.0056(10)

```
#-----#  
----#  
#           MOLECULAR GEOMETRY  
#  
#-----#  
----#
```

_geom_special_details

;

All esds (except the esd in the dihedral angle between two l.s. planes) are estimated using the full covariance matrix. The cell esds are taken into account individually in the estimation of esds in distances, angles and torsion angles; correlations between esds in cell parameters are only

used when they are defined by crystal symmetry. An approximate (isotropic)

treatment of cell esds is used for estimating esds involving l.s. planes.

;

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F1 C15 1.361(3) . ?

N1 C2 1.298(2) . ?

N1 N2 1.384(2) . ?

N2 C1 1.336(2) . ?

N2 C13 1.470(2) . ?

N3 C1 1.352(2) . ?
N3 C2 1.369(2) . ?
N3 H3 0.86(2) . ?
N4 C14 1.383(3) . ?
N4 C13 1.416(3) . ?
N4 H4 0.78(2) . ?
C2 C3 1.495(2) . ?
C3 C6A 1.5405(17) . ?
C3 C5A 1.5406(17) . ?
C3 C6B 1.5412(17) . ?
C3 C4B 1.5414(17) . ?
C3 C5B 1.5431(17) . ?
C3 C4A 1.5443(17) . ?
C4A C7A 1.534(2) . ?
C4A H4A 0.97 . ?
C4A H5A 0.97 . ?
C5A C9A 1.534(3) . ?
C5A H6A 0.97 . ?
C5A H7A 0.97 . ?
C6A C11A 1.534(3) . ?
C6A H8A 0.97 . ?
C6A H9A 0.97 . ?
C7A C12A 1.513(5) . ?
C7A C8A 1.5194(19) . ?
C7A H10A 0.98 . ?
C8A C9A 1.5193(19) . ?
C8A H11A 0.97 . ?
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C9A H13A 0.98 . ?
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C10A H15A 0.97 . ?
C11A C12A 1.5193(19) . ?
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C12A H18A 0.97 . ?
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C4B H5B 0.97 . ?
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C5B H7B 0.97 . ?
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C6B H9B 0.97 . ?
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C8B H11B 0.97 . ?
C8B H12B 0.97 . ?
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C9B H13B 0.98 . ?
C10B C11B 1.5192(19) . ?
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C10B H15B 0.97 . ?
C11B C12B 1.519(2) . ?

C11B H16B 0.98 . ?
C12B H17B 0.97 . ?
C12B H18B 0.97 . ?
C13 H13C 0.97 . ?
C13 H13D 0.97 . ?
C14 C19 1.380(3) . ?
C14 C15 1.390(3) . ?
C15 C16 1.359(3) . ?
C16 C17 1.365(4) . ?
C16 H16 0.93 . ?
C17 C18 1.374(4) . ?
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C18 C19 1.382(3) . ?
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C19 H19 0.93 . ?

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C1 N2 N1 112.23(14) . . ?
C1 N2 C13 127.95(15) . . ?
N1 N2 C13 119.51(14) . . ?
C1 N3 C2 108.87(15) . . ?
C1 N3 H3 123.5(15) . . ?
C2 N3 H3 127.7(15) . . ?
C14 N4 C13 124.45(18) . . ?
C14 N4 H4 116.8(17) . . ?
C13 N4 H4 116.8(17) . . ?
N2 C1 N3 104.11(15) . . ?
N2 C1 S1 128.25(14) . . ?
N3 C1 S1 127.60(14) . . ?
N1 C2 N3 110.29(16) . . ?
N1 C2 C3 126.27(16) . . ?
N3 C2 C3 123.39(15) . . ?
C2 C3 C6A 112.17(15) . . ?
C2 C3 C5A 109.35(15) . . ?
C6A C3 C5A 111.7(2) . . ?
C2 C3 C6B 108.2(3) . . ?
C2 C3 C4B 115.2(3) . . ?
C6B C3 C4B 117.2(5) . . ?
C2 C3 C5B 105.8(2) . . ?
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C4B C3 C5B 104.6(5) . . ?
C2 C3 C4A 109.47(14) . . ?
C6A C3 C4A 106.8(2) . . ?
C5A C3 C4A 107.23(19) . . ?
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C7A C4A H5A 109.5 . . ?
C3 C4A H5A 109.5 . . ?
H4A C4A H5A 108.1 . . ?

C9A C5A C3 109.8(2) . . ?
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C3 C5A H6A 109.7 . . ?
C9A C5A H7A 109.7 . . ?
C3 C5A H7A 109.7 . . ?
H6A C5A H7A 108.2 . . ?
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C3 C6A H8A 109.8 . . ?
C11A C6A H9A 109.8 . . ?
C3 C6A H9A 109.8 . . ?
H8A C6A H9A 108.3 . . ?
C12A C7A C8A 109.3(3) . . ?
C12A C7A C4A 109.2(3) . . ?
C8A C7A C4A 109.0(2) . . ?
C12A C7A H10A 109.8 . . ?
C8A C7A H10A 109.8 . . ?
C4A C7A H10A 109.8 . . ?
C9A C8A C7A 109.7(3) . . ?
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C7A C8A H11A 109.7 . . ?
C9A C8A H12A 109.7 . . ?
C7A C8A H12A 109.7 . . ?
H11A C8A H12A 108.2 . . ?
C8A C9A C10A 110.3(3) . . ?
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C10A C9A C5A 109.3(3) . . ?
C8A C9A H13A 109.4 . . ?
C10A C9A H13A 109.4 . . ?
C5A C9A H13A 109.4 . . ?
C11A C10A C9A 110.0(3) . . ?
C11A C10A H14A 109.7 . . ?
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C9A C10A H15A 109.7 . . ?
H14A C10A H15A 108.2 . . ?
C10A C11A C12A 109.2(3) . . ?
C10A C11A C6A 110.4(3) . . ?
C12A C11A C6A 109.0(3) . . ?
C10A C11A H16A 109.4 . . ?
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C6A C11A H16A 109.4 . . ?
C7A C12A C11A 110.2(3) . . ?
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C7A C12A H18A 109.6 . . ?
C11A C12A H18A 109.6 . . ?
H17A C12A H18A 108.1 . . ?
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C3 C4B H4B 109.7 . . ?
C7B C4B H5B 109.7 . . ?
C3 C4B H5B 109.7 . . ?
H4B C4B H5B 108.2 . . ?
C9B C5B C3 113.2(4) . . ?
C9B C5B H6B 108.9 . . ?
C3 C5B H6B 108.9 . . ?
C9B C5B H7B 108.9 . . ?

C3 C5B H7B 108.9 . . ?
H6B C5B H7B 107.7 . . ?
C11B C6B C3 107.3(5) . . ?
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C3 C6B H8B 110.3 . . ?
C11B C6B H9B 110.3 . . ?
C3 C6B H9B 110.3 . . ?
H8B C6B H9B 108.5 . . ?
C12B C7B C8B 110.7(7) . . ?
C12B C7B C4B 107.6(7) . . ?
C8B C7B C4B 107.3(8) . . ?
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C4B C7B H10B 110.4 . . ?
C7B C8B C9B 110.7(7) . . ?
C7B C8B H11B 109.5 . . ?
C9B C8B H11B 109.5 . . ?
C7B C8B H12B 109.5 . . ?
C9B C8B H12B 109.5 . . ?
H11B C8B H12B 108.1 . . ?
C10B C9B C8B 111.1(8) . . ?
C10B C9B C5B 106.1(7) . . ?
C8B C9B C5B 107.1(6) . . ?
C10B C9B H13B 110.8 . . ?
C8B C9B H13B 110.8 . . ?
C5B C9B H13B 110.8 . . ?
C9B C10B C11B 111.0(8) . . ?
C9B C10B H14B 109.4 . . ?
C11B C10B H14B 109.4 . . ?
C9B C10B H15B 109.4 . . ?
C11B C10B H15B 109.4 . . ?
H14B C10B H15B 108 . . ?
C10B C11B C12B 109.2(8) . . ?
C10B C11B C6B 108.2(7) . . ?
C12B C11B C6B 110.4(7) . . ?
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C12B C11B H16B 109.7 . . ?
C6B C11B H16B 109.7 . . ?
C7B C12B C11B 113.2(8) . . ?
C7B C12B H17B 108.9 . . ?
C11B C12B H17B 108.9 . . ?
C7B C12B H18B 108.9 . . ?
C11B C12B H18B 108.9 . . ?
H17B C12B H18B 107.8 . . ?
N4 C13 N2 113.05(17) . . ?
N4 C13 H13C 109 . . ?
N2 C13 H13C 109 . . ?
N4 C13 H13D 109 . . ?
N2 C13 H13D 109 . . ?
H13C C13 H13D 107.8 . . ?
C19 C14 N4 124.41(19) . . ?
C19 C14 C15 116.1(2) . . ?
N4 C14 C15 119.5(2) . . ?
C16 C15 F1 119.5(2) . . ?
C16 C15 C14 123.8(3) . . ?
F1 C15 C14 116.7(2) . . ?
C15 C16 C17 119.1(3) . . ?
C15 C16 H16 120.5 . . ?

C17 C16 H16 120.5 . . ?
C16 C17 C18 119.4(3) . . ?
C16 C17 H17 120.3 . . ?
C18 C17 H17 120.3 . . ?
C17 C18 C19 121.0(3) . . ?
C17 C18 H18 119.5 . . ?
C19 C18 H18 119.5 . . ?
C14 C19 C18 120.7(2) . . ?
C14 C19 H19 119.6 . . ?
C18 C19 H19 119.6 . . ?

loop_

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C2 N1 N2 C1 0.6(2) ?
C2 N1 N2 C13 174.70(17) ?
N1 N2 C1 N3 -1.4(2) ?
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N1 N2 C1 S1 176.67(14) ?
C13 N2 C1 S1 3.2(3) ?
C2 N3 C1 N2 1.6(2) ?
C2 N3 C1 S1 -176.44(15) ?
N2 N1 C2 N3 0.5(2) ?
N2 N1 C2 C3 -176.77(17) ?
C1 N3 C2 N1 -1.4(2) ?
C1 N3 C2 C3 175.96(16) ?
N1 C2 C3 C6A 9.5(3) ?
N3 C2 C3 C6A -167.4(2) ?
N1 C2 C3 C5A -115.0(2) ?
N3 C2 C3 C5A 68.1(3) ?
N1 C2 C3 C6B 76.8(4) ?
N3 C2 C3 C6B -100.1(4) ?
N1 C2 C3 C4B -149.9(5) ?
N3 C2 C3 C4B 33.2(5) ?
N1 C2 C3 C5B -34.9(4) ?
N3 C2 C3 C5B 148.2(3) ?
N1 C2 C3 C4A 127.8(2) ?
N3 C2 C3 C4A -49.1(2) ?
C2 C3 C4A C7A 178.0(2) ?
C6A C3 C4A C7A -60.4(3) ?
C5A C3 C4A C7A 59.4(3) ?
C2 C3 C5A C9A -178.8(2) ?
C6A C3 C5A C9A 56.4(3) ?
C4A C3 C5A C9A -60.2(3) ?
C2 C3 C6A C11A -178.6(2) ?
C5A C3 C6A C11A -55.4(3) ?
C4A C3 C6A C11A 61.5(3) ?
C3 C4A C7A C12A 59.5(3) ?
C3 C4A C7A C8A -59.9(3) ?
C12A C7A C8A C9A -59.3(4) ?

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C7A C8A C9A C10A 58.7(4) ?
C7A C8A C9A C5A -61.4(4) ?
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C3 C6A C11A C12A -62.6(4) ?
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C6A C11A C12A C7A 60.7(4) ?
C2 C3 C4B C7B 178.0(6) ?
C6B C3 C4B C7B -53.0(9) ?
C5B C3 C4B C7B 62.4(8) ?
C2 C3 C5B C9B 177.4(5) ?
C6B C3 C5B C9B 63.2(6) ?
C4B C3 C5B C9B -60.6(6) ?
C2 C3 C6B C11B -176.4(5) ?
C4B C3 C6B C11B 51.3(7) ?
C5B C3 C6B C11B -64.0(6) ?
C3 C4B C7B C12B 53.9(9) ?
C3 C4B C7B C8B -65.3(9) ?
C12B C7B C8B C9B -54.2(10) ?
C4B C7B C8B C9B 63.0(10) ?
C7B C8B C9B C10B 56.5(10) ?
C7B C8B C9B C5B -59.0(9) ?
C3 C5B C9B C10B -59.5(8) ?
C3 C5B C9B C8B 59.3(8) ?
C8B C9B C10B C11B -58.2(11) ?
C5B C9B C10B C11B 57.9(10) ?
C9B C10B C11B C12B 56.5(11) ?
C9B C10B C11B C6B -63.7(10) ?
C3 C6B C11B C10B 66.2(8) ?
C3 C6B C11B C12B -53.2(9) ?
C8B C7B C12B C11B 55.0(9) ?
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C14 N4 C13 N2 88.6(2) ?
C1 N2 C13 N4 -118.8(2) ?
N1 N2 C13 N4 68.1(2) ?
C13 N4 C14 C19 -8.2(3) ?
C13 N4 C14 C15 172.10(19) ?
C19 C14 C15 C16 0.7(3) ?
N4 C14 C15 C16 -179.5(2) ?
C19 C14 C15 F1 -179.88(19) ?
N4 C14 C15 F1 -0.2(3) ?
F1 C15 C16 C17 -179.5(2) ?
C14 C15 C16 C17 -0.2(4) ?
C15 C16 C17 C18 -0.3(4) ?
C16 C17 C18 C19 0.1(4) ?
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C15 C14 C19 C18 -0.9(3) ?
C17 C18 C19 C14 0.5(3) ?

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  _geom_hbond_distance_HA
  _geom_hbond_distance_DA
  _geom_hbond_angle_DHA
  _geom_hbond_site_symmetry_A
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N4 H4 S1 0.78(2) 2.74(2) 3.447(2) 151(2) 4_466
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```
#-----#
----#
#           REFLECTION DATA AND REFINEMENT INSTRUCTIONS
#
#-----#
----#
```

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_shelx_res_file
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MANNICH_1853_smart_abs.res created by SHELXL-2014/7

```
TITL MANNICH_1853_smart_abs in Pbca
REM Pbca (#61 in standard setting)
REM SHELXT solution in Pbca
REM R1 0.244, Rweak 0.447, Alpha 0.040, Orientation as input
REM Formula found by SHELXT: C18 N5 F S
CELL 0.71073 8.786578 18.250157 23.266377 90.0000 90.0000 90.0000
ZERR 8.00 0.000247 0.000495 0.000625 0.0000 0.0000 0.0000
LATT 1
SYMM 1/2-X, -Y, 1/2+Z
SYMM -X, 1/2+Y, 1/2-Z
SYMM 1/2+X, 1/2-Y, -Z
SFAC C H N F S
UNIT 152 184 32 8 8
OMIT 1 1 1
OMIT 1 0 2
SADI 0.001 C3 C4A C3 C4B C3 C5A C3 C5B C3 C6A C3 C6B
SADI 0.001 C4A C7A C4B C7B C5A C9A C5B C9B C6A C11A C6B C11B
SADI 0.001 C7A C8A C8A C9A C9A C10A C10A C11A C11A C12A =
C7B C8B C8B C9B C9B C10B C10B C11B C11B C12B
RIGU C4A > C12A
RIGU C4B > C12B
L.S. 10
ACTA 52.64
BOND $H
CONF
EQIV $1 -x+2, -y+1, -z+1
HTAB N3 S1_$1
EQIV $2 x-1/2, -y+3/2, -z+1
HTAB N4 S1_$2
TEMP 294
LIST 4
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WGHT 0.055700 1.256700
FVAR 4.12339 0.71789
S1 5 1.057345 0.607218 0.540797 11.00000 0.05211
0.03456 =
0.06858 -0.00596 -0.02254 0.00437
F1 4 0.497057 0.833414 0.620631 11.00000 0.07683
0.10204 =
0.09799 -0.01985 0.00330 0.03694
N1 3 0.688689 0.661059 0.456983 11.00000 0.04583
0.03836 =
0.05149 -0.00934 -0.01296 0.00742
N2 3 0.807035 0.673760 0.494930 11.00000 0.04565
0.03247 =
0.04851 -0.00799 -0.01129 0.00601
N3 3 0.830399 0.563372 0.467981 11.00000 0.04714
0.02858 =
0.05165 -0.00806 -0.01201 0.00461
H3 2 0.864084 0.519552 0.464947 11.00000 0.05606
N4 3 0.712865 0.770499 0.555624 11.00000 0.06008
0.05284 =
0.05357 -0.01448 -0.01154 0.02191
H4 2 0.656896 0.800541 0.544102 11.00000 0.05757
C1 1 0.895999 0.614989 0.501508 11.00000 0.04333
0.03305 =
0.04565 -0.00380 -0.00401 0.00203
C2 1 0.706545 0.593392 0.441111 11.00000 0.04286
0.03602 =
0.04432 -0.00418 -0.00696 0.00565
C3 1 0.612616 0.553218 0.397808 11.00000 0.04367
0.03659 =
0.04296 -0.00425 -0.00768 0.00030
PART 1
C4A 1 0.718090 0.517937 0.352494 21.00000 0.04721
0.04760 =
0.03867 -0.00557 0.00015 -0.00479
AFIX 23
H4A 2 0.775022 0.555953 0.332830 21.00000 -1.20000
H5A 2 0.790262 0.485822 0.371485 21.00000 -1.20000
AFIX 0
C5A 1 0.526024 0.490570 0.427811 21.00000 0.06017
0.06762 =
0.04058 -0.00666 0.00723 -0.01584
AFIX 23
H6A 2 0.597833 0.457835 0.446342 21.00000 -1.20000
H7A 2 0.459370 0.510576 0.457107 21.00000 -1.20000
AFIX 0
C6A 1 0.503857 0.604600 0.365057 21.00000 0.06486
0.05477 =
0.06130 -0.00659 -0.02271 0.01574
AFIX 23
H8A 2 0.437382 0.629509 0.392004 21.00000 -1.20000
H9A 2 0.561973 0.641328 0.344405 21.00000 -1.20000
AFIX 0
C7A 1 0.625677 0.473883 0.308513 21.00000 0.05627
0.05616 =
0.04292 -0.01223 0.00393 -0.00799

```

AFIX	13					
H10A	2	0.694277	0.452022	0.280071	21.00000	-1.20000
AFIX	0					
C8A	1	0.538581	0.413895	0.339635	21.00000	0.07093
0.05389	=					
		0.05588	-0.01345	-0.00309	-0.01386	
AFIX	23					
H11A	2	0.480477	0.385362	0.312144	21.00000	-1.20000
H12A	2	0.609467	0.381316	0.358830	21.00000	-1.20000
AFIX	0					
C9A	1	0.431820	0.447935	0.383520	21.00000	0.06127
0.06730	=					
		0.05627	-0.00767	0.00803	-0.02579	
AFIX	13					
H13A	2	0.374632	0.409117	0.403028	21.00000	-1.20000
AFIX	0					
C10A	1	0.321381	0.499888	0.354101	21.00000	0.04812
0.10757	=					
		0.07216	-0.02624	-0.00581	-0.00634	
AFIX	23					
H14A	2	0.258929	0.472870	0.327032	21.00000	-1.20000
H15A	2	0.254786	0.521895	0.382520	21.00000	-1.20000
AFIX	0					
C11A	1	0.408634	0.559507	0.322621	21.00000	0.06655
0.07780	=					
		0.06683	-0.01158	-0.02813	0.01133	
AFIX	13					
H16A	2	0.336642	0.591821	0.302809	21.00000	-1.20000
AFIX	0					
C12A	1	0.514020	0.524345	0.278809	21.00000	0.07208
0.07183	=					
		0.05112	0.00059	-0.01768	-0.01170	
AFIX	23					
H17A	2	0.454508	0.496699	0.251191	21.00000	-1.20000
H18A	2	0.569104	0.562159	0.258179	21.00000	-1.20000
AFIX	0					
PART	2					
C4B	1	0.598191	0.470046	0.407970	-21.00000	0.06641
0.04055	=					
		0.06443	-0.00627	-0.02050	0.00442	
AFIX	23					
H4B	2	0.698068	0.447497	0.406357	-21.00000	-1.20000
H5B	2	0.555597	0.461052	0.445780	-21.00000	-1.20000
AFIX	0					
C5B	1	0.449165	0.582863	0.404723	-21.00000	0.05925
0.03634	=					
		0.05149	-0.00395	-0.02324	-0.00186	
AFIX	23					
H6B	2	0.413829	0.572238	0.443332	-21.00000	-1.20000
H7B	2	0.450662	0.635686	0.400141	-21.00000	-1.20000
AFIX	0					
C6B	1	0.662160	0.578456	0.337428	-21.00000	0.05715
0.06578	=					
		0.05596	-0.01154	-0.00156	-0.00674	
AFIX	23					
H8B	2	0.652779	0.631241	0.334073	-21.00000	-1.20000
H9B	2	0.767396	0.565071	0.330468	-21.00000	-1.20000
AFIX	0					

C7B	1	0.494937	0.436237	0.361904	-21.00000	0.05079
0.04110	=					
		0.06349	-0.01190	-0.00918	0.00240	
AFIX	13					
H10B	2	0.493030	0.382764	0.365684	-21.00000	-1.20000
AFIX	0					
C8B	1	0.336445	0.467634	0.370566	-21.00000	0.05182
0.04280	=					
		0.06544	0.00142	-0.00808	-0.00686	
AFIX	23					
H11B	2	0.301727	0.456727	0.409205	-21.00000	-1.20000
H12B	2	0.266501	0.444882	0.343697	-21.00000	-1.20000
AFIX	0					
C9B	1	0.336614	0.550058	0.361383	-21.00000	0.04379
0.04137	=					
		0.05635	0.00169	-0.00818	-0.00096	
AFIX	13					
H13B	2	0.234455	0.570361	0.367045	-21.00000	-1.20000
AFIX	0					
C10B	1	0.397324	0.569634	0.302206	-21.00000	0.06555
0.06966	=					
		0.04895	-0.00099	-0.00628	-0.01310	
AFIX	23					
H14B	2	0.397693	0.622474	0.297707	-21.00000	-1.20000
H15B	2	0.330964	0.549150	0.273018	-21.00000	-1.20000
AFIX	0					
C11B	1	0.557676	0.540359	0.293890	-21.00000	0.05677
0.08060	=					
		0.05631	-0.01282	-0.00410	-0.01822	
AFIX	13					
H16B	2	0.592393	0.551086	0.254756	-21.00000	-1.20000
AFIX	0					
C12B	1	0.557842	0.458054	0.303700	-21.00000	0.06076
0.07015	=					
		0.06238	-0.02824	0.00212	-0.00783	
AFIX	23					
H17B	2	0.497602	0.434802	0.273901	-21.00000	-1.20000
H18B	2	0.661288	0.439998	0.300330	-21.00000	-1.20000
AFIX	0					
PART	0					
C13	1	0.830510	0.747890	0.517998	11.00000	0.05426
0.03210	=					
		0.05405	-0.00909	-0.00741	0.00311	
AFIX	23					
H13C	2	0.926672	0.749266	0.538446	11.00000	-1.20000
H13D	2	0.837009	0.782233	0.486274	11.00000	-1.20000
AFIX	0					
C14	1	0.711675	0.757716	0.614209	11.00000	0.04785
0.04136	=					
		0.05580	-0.01556	-0.00669	-0.00620	
C15	1	0.600071	0.790074	0.648086	11.00000	0.05415
0.05771	=					
		0.07455	-0.01651	0.00091	-0.00282	
C16	1	0.590240	0.781172	0.705960	11.00000	0.08366
0.07523	=					
		0.07172	-0.01674	0.02167	-0.01559	
AFIX	43					
H16	2	0.513415	0.804141	0.726730	11.00000	-1.20000

```

AFIX 0
C17 1 0.694718 0.738041 0.733173 11.00000 0.10120
0.08126 =
0.05814 -0.00346 0.00828 -0.02916
AFIX 43
H17 2 0.690137 0.731468 0.772773 11.00000 -1.20000
AFIX 0
C18 1 0.806682 0.704440 0.701507 11.00000 0.07833
0.06638 =
0.06524 0.00400 -0.01307 -0.01675
AFIX 43
H18 2 0.877855 0.674945 0.719946 11.00000 -1.20000
AFIX 0
C19 1 0.815140 0.713817 0.642632 11.00000 0.05527
0.05237 =
0.06017 -0.00552 -0.00574 -0.00562
AFIX 43
H19 2 0.891384 0.690287 0.621943 11.00000 -1.20000

AFIX 0
HKLF 4

```

```

REM MANNICH_1853_smart_abs in Pbca
REM R1 = 0.0488 for 3044 Fo > 4sig(Fo) and 0.0755 for all 4353
data
REM 316 parameters refined using 201 restraints

```

END

```

WGHT 0.0557 1.2567

```

```

REM Highest difference peak 0.410, deepest hole -0.364, 1-sigma level
0.039

```

```

Q1 1 0.4179 0.5971 0.4084 11.00000 0.05 0.41
Q2 1 0.7442 0.5125 0.3420 11.00000 0.05 0.30
Q3 1 0.5642 0.5587 0.3999 11.00000 0.05 0.23
Q4 1 0.5619 0.5128 0.4196 11.00000 0.05 0.22
Q5 1 0.6566 0.5631 0.3529 11.00000 0.05 0.21

```

;

```

_shelx_res_checksum 95427

```

```

_shelx_hkl_file

```

;

```

0 0 3 228.011 47.8131 2
0 0 4 21293.6 330.833 2
0 0 5 41.9154 62.2153 2
0 0 6 266118. 1445.21 2
0 0 7 417.713 104.922 2
0 0 8 48961.0 724.881 2
0 0 9 94.2851 86.1695 2
0 0 10 73492.9 1002.32 2
0 0 11 261.065 117.601 2
0 0 12 369052. 2460.83 2
0 0 13 2467.72 261.910 2
0 0 14 201.239 104.637 2
0 0 15 99.3227 112.781 2
0 0 16 215.970 119.288 2
0 0 17 122.267 125.996 2

```

0	0	18	3714.33	328.240	2
0	0	19	119.661	69.6016	1
0	0	19	37.0958	124.686	2
0	0	20	37515.4	608.576	1
0	0	20	38380.6	1063.29	2
0	0	21	314.030	162.827	2
0	0	22	5658.59	445.760	2
0	0	23	-201.287	162.155	2
0	0	24	666.723	228.025	2
0	0	25	161.729	174.688	2
0	0	26	7145.78	547.662	2
0	0	27	243.757	186.033	2
0	0	28	1507.16	296.884	2
0	0	29	207.768	161.467	2
0	0	30	303.650	199.928	2
0	0	31	255.065	226.176	2
0	1	3	91.5537	39.2541	2
0	1	4	62.8727	44.2335	2
0	1	5	3.43649	30.4546	1
0	-1	-5	-0.79891	42.7414	2
0	1	5	9.54487	54.7156	2
0	-1	-6	9.08365	56.9933	2
0	1	6	88.3249	69.7843	2
0	1	6	-15.2053	35.5365	1
0	-1	-7	52.5605	66.6149	2
0	1	7	23.1565	38.6356	1
0	1	7	32.6464	75.3849	2
0	-1	7	25.5780	80.9052	2
0	-1	-8	54.3740	68.6645	2
0	1	8	114.152	97.0380	2
0	-1	8	147.305	110.565	2
0	-1	9	-38.8912	88.6637	2
0	1	9	-11.9028	95.0005	2
0	-1	-9	27.5636	71.4849	2
0	-1	-10	137.447	87.6133	2
0	1	10	3.24969	89.9600	2
0	-1	10	139.115	90.4810	2
0	-1	11	248.729	132.809	2
0	1	11	25.9380	44.9647	1
0	1	11	141.172	92.6045	2
0	1	12	21.6908	99.1654	2
0	-1	12	2.65214	93.7035	2
0	1	12	9.57086	42.9396	1
0	1	13	5.74741	44.0498	1
0	1	13	131.217	96.0206	2
0	-1	13	-44.3635	110.980	2
0	1	14	25.0006	42.3674	1
0	-1	14	11.8266	102.077	2
0	1	14	9.60946	94.9925	2
0	-1	15	-2.24042	101.939	2
0	1	15	55.9468	114.570	2
0	1	15	19.1120	46.2144	1
0	1	16	-85.2620	108.440	2
0	-1	16	-161.382	129.237	2
0	1	16	-53.9324	53.6893	1
0	1	17	-33.6520	54.1385	1
0	-1	17	155.431	132.396	2
0	1	17	-39.4273	125.535	2

0	1	18-6.23790	47.7213	1
0	-1	18 38.4837	131.343	2
0	1	18 118.068	136.089	2
0	1	19 76.8045	49.7970	1
0	-1	19 85.9328	136.494	2
0	1	19 201.631	125.939	2
0	-1	20-192.979	158.428	2
0	1	20 51.0213	139.057	2
0	1	20 35.1629	54.6391	1
0	1	21 171.419	168.877	2
0	-1	21 50.3581	130.213	2
0	-1	22-196.331	131.202	2
0	1	22 37.8953	121.867	2
0	-1	23-112.840	151.135	2
0	1	23 27.6116	115.679	2
0	-1	24-16.1293	175.023	2
0	1	24 253.771	126.433	2
0	1	25-235.468	154.429	2
0	-1	25 4.96214	174.573	2
0	-1	26-7.96552	154.308	2
0	1	26 69.9160	175.097	2
0	-1	27 83.5456	151.237	2
0	1	27-55.0815	156.990	2
0	1	28-72.0754	153.257	2
0	-1	28-229.574	177.812	2
0	-1	29 416.131	221.565	2
0	1	29 345.849	221.225	2
0	1	30-36.3853	186.981	2
0	-1	30 121.063	167.839	2
0	1	31 72.4761	178.251	2
0	-1	31 189.161	162.916	2
0	-2	-2 11774.7	223.869	3
0	-2	-3 126087.	768.629	3
0	2	4 227185.	1091.34	2
0	-2	-4 226497.	1110.78	2
0	-2	-4 223393.	1090.01	3
0	-2	-5 8607.40	237.576	3
0	2	5 8492.15	233.328	2
0	-2	-5 8271.33	177.250	1
0	-2	-5 8497.25	234.641	2
0	-2	-6 738.713	89.7299	2
0	-2	-6 693.418	88.3451	3
0	2	6 665.146	92.0398	2
0	-2	-6 625.680	60.8830	1
0	2	7 31646.6	532.071	2
0	-2	-7 32360.2	536.288	2
0	2	8 97824.9	989.922	2
0	2	8 99670.9	680.147	1
0	-2	-8 99489.4	1009.33	2
0	2	9 233.255	56.3869	1
0	2	9 271.204	105.002	2
0	-2	-9 305.338	87.7569	2
0	-2	10 3334.94	232.931	2
0	2	10 3741.77	146.279	1
0	2	10 3540.19	225.473	2
0	-2	-10 3976.42	233.253	2
0	2	11 1865.06	184.455	2
0	-2	11 1855.22	193.381	2

0	2	11	1852.54	110.950	1
0	-2	12	13394.4	491.086	2
0	2	12	13860.5	467.163	2
0	2	12	14229.5	298.216	1
0	-2	13	624.679	153.246	2
0	2	13	625.401	130.978	2
0	2	13	604.499	72.9565	1
0	-2	14	12740.3	522.641	2
0	2	14	12443.0	296.614	1
0	2	14	12646.1	492.236	2
0	-2	15	22.1364	108.409	2
0	2	15	8.89623	49.7260	1
0	2	15	63.1354	94.9141	2
0	-2	16	13879.0	584.977	2
0	2	16	13735.6	323.979	1
0	2	16	14531.3	565.530	2
0	2	17	2390.23	147.097	1
0	2	17	2270.02	248.358	2
0	-2	17	2250.97	266.384	2
0	-2	18	7367.24	462.874	2
0	2	18	6776.06	414.182	2
0	-2	19	8072.78	495.633	2
0	2	19	7865.36	469.691	2
0	2	20	350.121	153.487	2
0	-2	20	616.744	169.279	2
0	-2	21	3820.78	363.473	2
0	2	21	3922.69	359.797	2
0	-2	22	461.110	167.727	2
0	-2	-22	396.266	134.597	3
0	2	22	350.288	148.951	2
0	-2	23	2387.41	318.890	2
0	2	23	2917.16	349.848	2
0	-2	-23	2804.36	267.796	3
0	2	24	119.185	138.540	2
0	-2	24	508.504	206.163	2
0	-2	25	624.176	211.535	2
0	2	25	-37.5938	167.110	2
0	2	26	1122.79	260.161	2
0	-2	26	379.481	175.260	2
0	-2	27	1761.29	322.019	2
0	2	27	1820.89	304.844	2
0	2	28	1750.28	306.070	2
0	-2	28	1864.05	341.976	2
0	-2	29	805.951	248.101	2
0	2	29	1089.19	283.574	2
0	2	30	162.670	171.133	2
0	-2	30	179.753	158.461	2
0	2	31	-61.9484	184.288	2
0	-3	0	517.318	78.8469	3
0	-3	-1	76.0017	52.9767	3
0	-3	1	-13.4635	54.3441	3
0	-3	-2	23.5404	50.0379	3
0	-3	2	-6.52079	47.9480	3
0	-3	-3	36.2897	57.2090	3
0	3	4	110.111	53.5049	3
0	-3	-4	160.193	71.3925	3
0	-3	-4	40.3770	47.7947	2
0	-3	-5	21.4389	50.8941	2

0	3	5-19.4121	58.1901	3
0	-3	-6-67.6210	59.7609	2
0	-3	-6 31.0414	65.0931	3
0	-3	-6 43.6084	49.5097	1
0	3	6 74.4505	70.1497	2
0	-3	-7 46.4863	47.4656	1
0	3	7 177.813	84.8131	2
0	-3	-7 14.4112	65.8563	3
0	3	8 29.0571	79.5336	2
0	-3	-8-41.4027	42.4233	1
0	-3	-8 25.1138	67.5807	3
0	-3	-8-13.7960	75.7042	2
0	-3	-9-18.7081	70.2689	3
0	-3	-9 71.2743	71.2292	2
0	3	9 95.2888	83.7948	2
0	-3	-10 5.21745	56.0855	2
0	3	10-38.0174	80.7620	2
0	-3	-10-14.3009	72.5523	3
0	3	11 57.0395	83.7244	2
0	-3	-11-165.541	87.8528	3
0	-3	12 132.223	94.3283	2
0	-3	-12-32.3932	66.7886	3
0	3	12-87.4799	92.1668	2
0	3	13-110.050	98.9555	2
0	-3	13 2.18299	106.714	2
0	-3	-13 197.274	80.1149	3
0	-3	14-126.502	114.385	2
0	-3	-14 80.9420	86.0674	3
0	3	14 206.301	100.549	2
0	-3	-15 36.8128	81.3209	3
0	3	15 136.779	110.027	2
0	-3	15-82.5449	114.096	2
0	-3	-16-49.4350	76.3786	3
0	3	16-11.2396	103.542	2
0	-3	16 219.637	154.003	2
0	-3	-17-2.93153	82.9113	3
0	3	17 41.9517	101.591	2
0	-3	17 236.193	133.258	2
0	3	18 22.1534	116.871	2
0	-3	-18-131.949	95.2217	3
0	-3	18 43.9891	126.710	2
0	-3	19 9.73804	139.017	2
0	-3	-19-74.8964	89.8917	3
0	3	19 48.5003	120.592	2
0	3	20-64.4250	116.681	2
0	-3	-20 2.44333	93.5129	3
0	-3	20 39.0400	150.684	2
0	3	21-258.764	170.387	2
0	-3	-21-86.4984	110.882	3
0	-3	21-13.3549	145.675	2
0	-3	-22 69.5988	94.4916	3
0	3	22-66.0317	133.152	2
0	-3	22 58.8498	140.733	2
0	3	23-149.324	154.644	2
0	-3	23-204.627	148.357	2
0	-3	-23-85.8015	111.089	3
0	-3	24-126.931	174.682	2
0	3	24 65.1271	141.070	2

0	-3	25	139.418	137.280	2
0	3	25	-59.8818	160.321	2
0	-3	26	-40.4349	178.620	2
0	3	26	-94.9296	139.416	2
0	3	27	119.538	157.841	2
0	-3	27	400.875	234.980	2
0	-3	28	251.615	183.631	2
0	3	28	239.540	190.554	2
0	-3	29	-77.6031	193.515	2
0	3	29	209.849	185.844	2
0	-3	30	-15.8439	162.763	2
0	3	30	115.449	195.047	2
0	-4	0	302817.	1509.63	3
0	-4	-1	845.031	107.494	3
0	-4	1	863.137	104.657	3
0	-4	-2	652760.	2252.44	3
0	-4	2	656730.	2248.32	3
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-2	-1	4 30177.4	438.041	1
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-2	-3	17	223.868	151.727	2
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2	-3	18	244.120	135.637	2
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2	-3	19	449.764	150.842	2
2	-3	20	150.141	151.301	2
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2	3	21	270.666	125.461	1
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2	-3	22	-8.17307	116.150	2
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2	-19	-15	1520.58	315.542	3
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2	-20	2	2697.81	378.266	3
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-2	-20	-8	121.163	178.850	3
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-2	-20	-13	162.258	170.191	3
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4	1	0 36201.2	616.472	2
4	-1	0 35404.4	667.146	2
4	1	-1 139.478	67.9305	2
4	1	-1 162.442	111.348	1
4	-1	-1 204.513	90.0604	2
4	1	1 128.837	65.9643	2
4	1	-2 5075.04	283.021	1
4	1	2 5278.37	218.282	2
4	1	-2 5591.20	270.584	2
4	1	-3 34097.1	700.012	1
4	1	3 35989.6	537.453	2
-4	-1	3 35212.4	697.220	2
4	1	-4 21725.4	554.147	1
-4	-1	4 23025.6	591.024	2
4	-1	-5 46515.4	752.931	1
4	1	-5 46680.5	784.717	1
-4	-1	5 48277.1	881.112	2
4	-1	6 114584.	859.170	3
4	-1	-6 113555.	1147.67	1
-4	-1	6 112910.	1405.36	2
4	1	-6 115155.	1207.18	1
4	-1	7 27019.4	372.015	3
4	-1	-7 27018.0	541.895	1
-4	1	7 27589.3	734.552	2
-4	-1	7 27003.2	713.510	2
4	-1	8 8835.42	176.797	3
4	-1	-8 9526.88	316.294	1
-4	1	8 8934.27	444.873	2
-4	-1	8 9103.56	441.293	2
4	1	8 9020.93	182.934	3
4	-1	-9 2173.16	156.188	1
-4	-1	9 2300.91	237.919	2
-4	1	9 2058.09	235.100	2
-4	1	10 8132.79	450.846	2
-4	-1	10 7839.48	438.907	2
-4	1	11 373.002	164.647	2
-4	-1	11 239.448	154.190	2
-4	1	12 2691.23	282.294	2
-4	-1	12 2476.66	277.398	2
-4	1	13 3962.38	353.326	2
-4	-1	13 3699.98	349.935	2
4	1	14 3162.31	288.836	1
4	1	14 3427.80	217.700	2
-4	1	14 3098.25	326.271	2
-4	-1	14 3846.20	360.202	2
4	1	15 32743.7	915.164	1
4	1	15 33994.3	702.869	2
-4	-1	15 34246.3	1040.34	2
-4	1	15 31573.6	997.233	2
4	1	16 7152.39	449.089	1
4	1	16 7043.97	337.148	2
-4	1	16 7324.61	504.072	2

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4	1	17	11607.7	448.868	2
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4	-1	17	11591.3	489.726	2
-4	-1	17	11848.0	652.352	2
4	1	18	16585.8	554.771	2
4	1	18	16697.6	685.271	1
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-4	1	18	16742.7	788.782	2
-4	-1	18	16170.5	774.214	2
4	-1	19	2556.80	253.078	2
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-4	-1	19	1997.15	310.170	2
4	1	19	2567.14	294.713	1
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4	-1	20	1197.77	202.487	2
-4	-1	20	1029.01	256.885	2
4	1	20	1264.20	235.812	1
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4	-1	21	572.849	161.911	2
-4	1	21	550.943	217.626	2
-4	-1	21	214.820	148.552	2
4	1	22	147.236	112.859	1
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-4	-1	22	291.108	206.087	2
4	-1	23	133.060	119.835	1
4	1	23	-10.0723	118.629	1
-4	1	23	-140.022	186.300	2
-4	-1	23	5.22751	151.511	2
4	-1	24	412.087	145.484	1
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-4	1	25	605.874	225.313	2
-4	-1	25	168.945	177.510	2
-4	1	26	-80.6052	198.493	2
-4	-1	26	9.42023	172.905	2
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4	2	-1	641.132	144.295	1
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4	2	2	7338.25	238.540	2
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4	2	3	6711.43	213.075	2
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4	-2	4	6831.80	255.512	3
4	2	-4	6974.43	329.267	1
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4	-2	5	2390.74	148.007	3

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4	-2	6	6637.39	220.142	3
-4	-2	6	6259.20	339.241	2
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4	2	7	21205.3	363.267	3
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4	-2	7	21481.9	361.733	3
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4	-2	8	213.534	44.4297	3
4	2	8	315.977	153.301	1
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4	-2	-9	1910.66	140.490	1
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4	-2	9	1802.75	79.0005	3
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4	2	10	13650.7	545.159	1
4	-2	-10	13573.9	340.392	1
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-4	-2	10	13424.3	566.631	2
4	2	11	3964.81	323.214	1
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-4	-2	11	4022.00	337.310	2
-4	-2	12	2545.16	290.217	2
4	2	12	2953.68	290.131	1
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4	2	13	4995.89	228.328	2
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-4	-2	13	4694.65	376.895	2
4	2	14	32917.2	615.105	2
4	2	14	32932.4	904.568	1
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-4	-2	14	33168.9	999.721	2
-4	-2	15	575.485	210.702	2
4	2	15	410.341	155.088	1
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-4	2	16	4350.46	397.584	2
4	2	16	4058.63	340.154	1
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4	2	16	4259.31	251.424	2
4	2	17	6034.82	414.539	1
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-4	-2	17	6030.16	481.775	2
4	2	18	574.491	146.144	1
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-4	2	18	924.330	217.345	2
-4	-2	18	561.377	192.700	2
4	2	19	2646.22	282.932	1

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-4	2	19	2814.99	358.981	2
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-4	-2	19	3076.20	366.397	2
-4	2	20	826.980	228.174	2
4	2	20	1202.04	218.969	1
4	-2	20	985.147	176.261	2
-4	-2	20	1004.43	230.393	2
4	2	21	260.335	156.765	1
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4	-2	21	-66.7845	130.128	2
-4	-2	21	304.614	224.461	2
4	2	22	76.3007	142.340	1
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4	-2	22	109.443	118.426	2
-4	-2	22	235.150	190.805	2
-4	2	23	68.4164	140.736	2
4	-2	23	13.2023	104.458	2
4	2	23	-171.813	131.686	1
-4	-2	23	32.6158	182.650	2
-4	2	24	76.4748	176.235	2
-4	-2	24	-24.8176	158.626	2
-4	2	25	-350.875	227.568	2
-4	-2	25	87.6980	188.937	2
-4	2	26	1.69840	193.635	2
-4	-2	26	534.194	253.792	2
-4	2	27	374.500	261.737	2
-4	-2	27	-243.751	249.739	2
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4	3	1	29104.0	476.885	2
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-4	-3	2	45465.4	733.678	2
4	3	2	46398.7	559.410	2
4	3	-2	45174.3	854.166	1
4	3	-3	75482.0	998.623	2
4	-3	3	74296.8	916.395	3
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4	3	3	74458.6	634.410	2
4	-3	4	14957.0	395.517	3
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4	3	4	14845.4	250.325	2
4	-3	5	56985.7	737.256	3
-4	-3	5	57052.8	962.830	2
4	3	5	56182.4	418.343	2
4	3	6	73125.8	794.530	3
-4	-3	6	74137.5	1128.01	2
4	-3	6	73204.3	787.028	3
4	3	7	36008.6	857.178	1
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4	3	9	6553.02	194.372	3
4	-3	-10	29458.9	498.961	1
4	3	10	29200.9	813.310	1
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4	3	12	61477.6	1209.83	1
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-4	-3	13	7931.88	317.225	1
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-4	-3	13	8325.70	498.611	2
4	3	13	8489.85	266.570	2
-4	-3	14	59605.3	845.598	1
4	3	14	63973.9	1262.19	1
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-4	-3	14	60670.6	1354.88	2
4	3	14	62554.3	778.519	2
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4	3	15	3900.77	209.609	2
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-4	-3	16	5208.88	435.763	2
4	3	16	5511.60	265.022	2
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-4	-3	17	5189.34	452.356	2
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-4	-3	18	699.319	220.066	2
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-4	-3	19	8776.67	603.252	2
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4	-3	22	1708.54	242.520	2
4	3	23	418.510	155.554	1
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4	-3	23	632.113	184.033	2
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-4	3	24	1133.96	258.349	2
4	-3	24	1429.28	241.413	2
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4	4	17	2954.40	311.878	1
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4	-5	3	20790.4	539.297	3
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4	-5	6	3272.27	203.770	3
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4	5	11	31.3744	143.473	1
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4	5	12	8044.02	464.184	1
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4	5	13	505.163	177.057	1
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4	5	15	1919.74	264.196	1
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-4	-5	17	2525.05	335.082	2
4	5	17	2900.21	306.359	1
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-4	-5	18	4317.98	420.857	2
-4	-5	19	810.572	215.649	2
4	5	19	526.064	135.249	1
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4	5	20	-8.38277	128.197	1
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4	5	21	1332.16	226.443	1
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4	-5	-24	-129.693	154.527	3
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4	-5	-25	-76.3931	211.991	3
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4	-5	-26	598.975	229.150	3
4	-5	26	113.196	143.157	2
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4	-21	1	2.98208	159.859	3
4	-21	2	4258.30	503.344	3
4	-21	-2	3977.67	477.545	3
4	-21	3	645.341	243.058	3
4	-21	-3	428.896	227.465	3
4	-21	4	479.597	175.253	3
4	-21	-4	825.723	317.244	3
4	-21	5	816.824	262.713	3
4	-21	6	45.1937	169.410	3
4	-21	7	206.146	227.851	3
4	-21	8	1977.10	364.406	3

4	-21	9	249.961	235.251	3
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-4	-21	12	4224.27	506.581	2
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5	0	1	90.6855	67.8028	2
5	0	-1	150.443	116.046	1
5	0	-2	13480.5	506.058	1
5	0	2	13833.2	426.443	2
5	0	-3	5.77179	91.7331	1
5	0	-4	578.043	130.005	1
5	0	-5	-23.4221	97.1027	1
5	0	-6	10940.6	424.887	1
5	0	-7	139.138	109.032	1
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-5	0	8	31540.8	863.855	2
5	0	-8	31329.9	684.138	1
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-5	0	9	-42.4039	151.924	2
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-5	0	11	-111.119	121.741	2
-5	0	12	31109.2	968.065	2
-5	0	13	169.145	180.236	2
-5	0	14	-41.9116	127.903	2
-5	0	15	-0.13699	178.522	2
-5	0	16	1419.75	281.427	2
-5	0	17	17.3826	191.417	2
5	0	17	-0.50529	75.6211	2
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-5	1	22	150.769	185.003	2
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-5	-5	18	593.977	216.948	2
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-6	0	17	264.597	209.732	2
6	0	17	-100.473	128.827	1
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6	0	18	583.367	219.621	1
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6	0	19	109.570	166.139	1
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-6	0	21	-92.9887	177.898	2
6	0	21	-85.7076	159.198	1
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6	0	23	310.454	180.217	1
-6	0	23	-143.673	179.651	2
6	0	24	459.227	197.172	1
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6	0	25	541.982	247.595	1
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6	1	2	19575.6	714.429	1
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6	-1	-3	4777.80	336.854	1
6	1	3	5012.65	381.258	1

6	1	-3	5148.37	354.935	1
6	-1	-4	4132.64	312.660	1
6	1	4	4038.99	351.700	1
6	1	-4	3634.09	291.285	1
6	1	4	3700.99	224.402	2
6	-1	-5	1905.80	212.324	1
6	1	-5	1614.74	210.823	1
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6	1	5	1532.39	238.913	1
6	1	6	17955.8	717.258	1
6	-1	-6	17073.0	590.976	1
6	1	6	16832.3	441.754	2
6	1	-6	18339.3	623.038	1
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6	1	-8	11439.1	487.073	1
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-6	-1	19	2860.53	387.079	2
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-7	-4	22	1321.54	310.458	2
7	4	22	1491.78	311.851	1
7	4	23	27.6115	160.826	1
7	4	24	268.733	192.629	1
7	5	0	222.797	169.807	1
7	-5	0	-85.9132	114.557	3
7	-5	1	1379.15	209.945	3
7	-5	-1	1706.68	242.437	3
7	5	1	1735.53	291.767	1
7	-5	2	7831.54	435.030	3
7	-5	-2	8372.15	488.025	3
7	5	2	7813.58	531.440	1
7	-5	3	1461.73	199.158	3
7	5	3	1630.75	288.362	1
7	-5	4	5938.61	364.947	3
7	5	4	6140.69	477.977	1
7	5	5	142.217	185.691	1
7	-5	5	-19.2046	99.3175	3
-7	-5	5	91.1788	112.517	2
7	5	6	10.8075	185.047	1
7	-5	6	428.195	116.530	3
-7	-5	6	356.325	141.359	2
-7	-5	7	7014.75	450.217	2
7	5	7	6668.63	519.358	1
7	-5	7	6168.87	339.944	3

7	-5	8	573.539	113.561	3
-7	-5	8	377.944	149.032	2
7	5	8	482.150	186.965	1
7	-5	-9	446.604	140.382	1
7	5	9	401.690	205.592	1
-7	-5	9	470.184	168.740	2
7	-5	-10	4801.82	338.413	1
-7	-5	10	4369.19	391.417	2
7	5	10	4157.30	396.851	1
7	-5	-11	9518.44	447.894	1
7	5	11	8986.50	614.112	1
-7	-5	11	9614.37	582.885	2
7	5	12	66.6156	191.770	1
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7	5	13	4362.94	442.395	1
-7	-5	13	4081.92	422.482	2
7	5	14	1330.60	292.687	1
-7	-5	14	1033.80	233.661	2
-7	-5	15	6080.60	504.067	2
7	5	15	6490.40	540.938	1
-7	-5	16	4151.54	461.916	2
7	5	16	3588.11	412.998	1
-7	-5	17	2077.94	340.877	2
7	5	17	2606.76	379.159	1
7	5	18	247.025	206.199	1
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7	5	19	1319.09	282.895	1
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7	5	20	1476.98	294.778	1
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7	5	21	-26.5542	176.154	1
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-7	-5	22	366.752	250.025	2
7	5	22	-38.0067	179.422	1
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7	5	24	217.211	196.031	1
7	-6	0	89.7338	119.506	3
7	-6	1	18868.6	699.827	3
7	-6	-1	18410.4	729.469	3
7	-6	2	673.947	155.829	3
7	-6	-2	731.194	202.276	3
7	-6	3	79.1774	119.914	3
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7	-6	6	1209.61	165.217	3
7	-6	-6	1099.55	233.109	3
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7	6	8	4044.69	424.586	1
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7	6	10	1336.83	269.211	1
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7	6	12	1298.25	241.986	1
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7	6	13	-306.041	240.613	1
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7	6	14	1374.51	319.551	1
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-7	-6	15	899.440	251.349	2
7	6	15	594.631	219.996	1
7	6	16	456.935	236.614	1
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7	6	17	-36.0979	222.977	1
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-7	-6	18	4635.25	501.519	2
7	6	18	4150.76	459.382	1
7	6	19	125.649	196.766	1
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-7	-6	20	269.756	164.568	2
7	6	20	532.841	231.743	1
7	6	21	608.360	207.974	1
7	-6	-21	1257.57	327.412	3
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7	-7	-2	1411.81	244.614	3
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7	-7	6	14887.1	572.340	3
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7	-7	-7	1179.06	248.463	3
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7	-7	-8	2143.21	299.568	3
7	-7	8	1884.21	203.388	3
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7	-7	-12	424.847	225.583	3
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7	-7	-14	108.212	168.369	3
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7	-7	-15	548.412	233.689	3
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-7	-7	17	176.380	180.601	2
7	-7	-18	2394.98	384.413	3
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7	-7	-19	996.745	285.991	3
-7	-7	19	1032.42	277.288	2
7	-7	-20	938.955	310.213	3
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-7	-7	21	319.287	272.038	2
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7	-8	2	198.091	129.847	3
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7	-8	-3	12286.4	645.311	3
-7	-8	3	13096.7	527.989	2
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7	-8	-5	2568.62	317.611	3
-7	-8	5	2197.27	236.235	2
7	-8	6	207.234	103.716	3
7	-8	-6	353.040	173.742	3
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7	-8	-7	231.703	155.905	3
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7	-8	-9	463.095	179.609	3
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7	-8	-11	178.513	172.760	3
-7	-8	11	10.0587	132.091	2
7	-8	-12	557.144	193.388	3
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7	-8	-19	694.250	237.534	3
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7	-8	-20	389.964	233.262	3
-7	-8	20	98.8981	202.384	2
-7	-8	21	388.076	218.453	2
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7	-14	-2	219.006	179.471	3
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7	-14	-9	1104.98	283.516	3
7	-14	-10	129.108	174.033	3
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7	-14	-11	321.215	240.032	3
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7	-14	-12	314.648	207.418	3
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7	-14	-13	730.742	268.860	3
-7	-14	13	-7.60602	166.463	2
-7	-14	14	1467.00	299.572	2
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-7	-15	13	2047.92	339.937	2
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7	-16	4	907.347	247.671	3
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7	-16	-5	144.467	211.098	3
7	-16	-6	792.003	273.706	3
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7	-16	7	684.971	219.738	3
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7	-17	3 2976.49	402.100	3
7	-17	-3 2636.55	398.507	3
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7	-17	6 2420.42	347.402	3
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8	6	20	900.603	323.312	1
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8	-7	1	576.484	174.005	3
8	-7	-1	717.373	186.870	3
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8	-7	-2	150.523	149.779	3
8	-7	-3	4413.39	406.211	3
8	-7	3	4286.01	359.220	3
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8	-7	-5	4098.68	414.744	3
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8	-7	-6	-56.7462	170.625	3
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8	-7	-8	-207.970	141.767	3
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8	-7	-9	-70.4430	158.908	3
-8	-7	9	-32.2247	125.089	2
8	-7	-10	181.877	195.129	3
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8	-7	-11	964.326	247.593	3
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8	-7	-12	-99.7237	184.446	3
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8	-7	-13	1684.86	337.371	3
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-8	-7	18	303.332	194.158	2
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8	-8	2	484.953	146.110	3
8	-8	-2	575.725	183.379	3
8	-8	3	318.696	131.282	3
8	-8	-3	180.166	155.577	3
8	-8	4	622.107	185.566	3
8	-8	-4	442.503	178.622	3
8	-8	-5	2496.28	324.082	3
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8	-8	-7	13442.2	763.375	3
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8	-9	-8	78.9347	161.576	3
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8	-9	-12	61.6374	182.610	3
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9	3	9	1904.18	352.142	1
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9	3	10	424.291	241.415	1
9	3	11	752.047	243.429	1
9	3	12	18.7627	196.488	1
9	3	13	200.624	225.922	1
9	3	14	296.939	211.211	1
9	3	15	-35.0067	158.336	1
9	-3	15	338.279	231.221	1
9	3	16	315.716	251.267	1
9	-3	16	735.344	266.150	1
9	3	17	166.121	216.890	1
9	-4	0	-54.9579	119.066	3
9	4	0	167.755	178.663	1
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9	4	-1	439.808	212.407	1
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9	-4	-2	4321.20	431.609	1
9	-4	2	4680.15	387.005	3
9	4	2	4901.72	489.852	1
9	4	3	236.991	196.189	1
9	-4	3	583.423	164.453	3
9	-4	-3	776.898	214.902	1

9	4	4	224.547	206.385	1
9	-4	4	521.804	149.952	3
9	-4	-4	505.419	208.642	1
9	4	5	2221.13	355.015	1
9	-4	-5	1735.80	259.886	1
9	-4	-6	1127.92	228.106	1
9	4	6	1007.18	269.952	1
9	-4	-7	521.163	174.400	1
9	4	7	773.582	299.685	1
9	-4	-8	590.308	177.737	1
9	4	8	421.970	217.601	1
9	4	9	202.708	185.662	1
9	4	10	1719.60	346.787	1
9	4	11	200.008	199.960	1
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9	4	15	53.9741	186.951	1
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9	-5	1	7386.56	494.228	3
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9	-5	-2	772.464	200.576	3
9	5	2	438.621	181.012	1
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9	-5	3	2214.99	276.905	3
9	-5	-3	1718.22	281.807	3
9	-5	-4	513.408	154.448	1
9	-5	4	681.221	154.299	3
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9	5	4	50.4747	203.272	1
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9	-5	-6	-46.7883	145.115	1
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9	5	10	123.610	208.965	1
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9	5	15	1506.73	359.165	1
-9	-5	15	1262.20	289.066	2
9	5	16	986.271	276.519	1
-9	-5	16	1366.91	293.235	2
-9	-5	17	-125.432	169.749	2
-9	-5	18	644.932	239.086	2
9	-6	0	284.677	155.201	3
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9	-6	-1	55.9602	122.839	3
9	-6	2	262.594	142.639	3
9	-6	-2	530.733	198.184	3
9	-6	3	-30.4095	103.442	3
9	-6	-3	32.2105	161.788	3

9	-6	4-93.2474	125.808	3
9	-6	-4-79.3159	166.191	3
9	-6	-5 361.562	167.494	3
9	-6	-6 91.5611	127.100	1
9	-6	-6 57.2689	137.819	3
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9	-6	-8 422.073	169.975	3
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9	-6	-8 484.402	184.203	1
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-9	-6	16 460.065	210.445	2
-9	-6	17 1467.71	334.000	2
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9	-7	-12 1269.99	305.532	3
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-9	-8	14	-406.741	191.040	2
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10	-5	-6	76.5452	188.936	3
10	5	6	26.2311	223.863	1
10	5	7	1107.65	314.092	1
10	5	8	258.109	261.516	1
10	5	9	284.365	198.530	1
10	5	10	-6.21612	177.995	1
10	-6	0	1285.37	243.179	3
10	-6	1	-116.796	133.778	3
10	-6	-1	215.188	153.309	3
10	-6	-2	1110.43	241.374	3
10	-6	-3	96.5813	145.364	1
10	-6	-3	263.554	148.466	3
10	-6	-4	612.159	184.185	3
10	-6	-4	370.584	175.589	1
10	-6	-5	2201.84	350.590	3
10	-6	-5	2667.75	365.309	1
10	-6	-6	503.906	223.255	3
10	-6	-6	833.074	235.080	1
10	-6	-7	1602.14	314.711	3
10	-6	-8	-45.3701	187.227	3
10	-6	-9	1209.01	283.451	3
10	6	9	884.260	271.395	1
10	-6	-10	209.976	178.075	3
10	-7	0	60.1681	137.610	3
10	-7	1	449.068	198.725	3
10	-7	-1	152.988	141.347	3
10	-7	-2	25.6951	163.032	3
10	-7	-3	262.296	186.709	3
10	-7	-4	1175.29	280.127	3
10	-7	-5	1531.05	285.648	1
10	-7	-5	1413.77	290.617	3
10	-7	-6	978.298	273.500	3
10	-7	-6	372.872	154.818	1
10	-7	-7	242.484	186.320	3
10	-7	-8	388.025	193.868	3
10	-7	-9	201.542	166.718	3
10	-7	-10	299.067	203.849	3
10	-8	0	414.068	182.239	3
10	-8	1	-109.879	126.266	3
10	-8	-1	45.6846	149.401	3
10	-8	-2	503.026	202.628	3
10	-8	-3	754.519	216.262	3
10	-8	-4	314.528	181.730	3
10	-8	-5	935.140	239.062	3
10	-8	-6	186.519	184.141	3
10	-8	-7	1322.37	273.635	3
10	-8	-8	403.363	231.315	3
10	-8	-9	387.985	208.919	3
10	-9	0	62.8568	132.924	3
10	-9	-1	-329.406	208.835	3
10	-9	-2	-277.012	201.928	3
10	-9	-3	436.885	225.049	3
10	-9	-4	-112.179	158.606	3
10	-9	-5	205.021	179.428	3
10	-9	-6	68.9096	180.452	3
10	-9	-7	1023.69	312.425	3

10	-9	-8	676.217	231.538	3
10	-10	0	832.829	216.355	3
10	-10	-1	14.1457	150.720	3
10	-10	-2	866.658	247.161	3
10	-10	-3	212.640	188.702	3
10	-10	-4	22.9680	173.798	3
10	-10	-5	187.546	207.840	3
10	-10	-6	951.432	258.273	3
10	-10	-7	1003.40	305.554	3
10	-11	0	1410.53	283.203	3
10	-11	-1	115.803	150.978	3
10	-11	-2	1226.62	277.078	3
10	-11	-3	-19.5318	151.805	3
10	-11	-4	853.010	233.717	3
10	-11	-5	84.0068	139.228	3
10	-12	0	333.644	179.854	3
10	-12	-1	-107.489	171.257	3
10	-12	-2	403.591	193.403	3
10	-12	-3	216.813	180.950	3
10	-13	-1	212.512	156.178	3
11	0	0	-219.770	210.753	1
11	0	1	-317.157	237.104	1
11	0	-1	-50.0188	190.040	1
11	0	-2	476.465	230.426	1
11	0	2	373.662	256.716	1
11	0	-3	-382.290	206.104	1
11	0	3	-142.029	199.814	1
11	0	-4	7.82369	194.622	1
11	0	4	151.531	207.524	1
11	0	-5	-29.5357	192.396	1
11	0	5	13.2255	202.211	1
11	0	-6	921.843	243.052	1
11	1	0	204.737	227.887	1
11	-1	0	445.396	272.121	1
11	1	1	115.827	222.631	1
11	-1	1	-121.611	243.747	1
11	1	-1	54.9737	229.953	1
11	-1	-1	99.0556	180.482	1
11	-1	-2	1.41012	198.477	1
11	1	-2	-317.531	253.070	1
11	1	2	-371.651	192.205	1
11	-1	2	-440.930	229.684	1
11	-1	-3	137.753	198.311	1
11	1	3	-84.6272	204.578	1
11	1	-3	-198.131	197.230	1
11	-1	3	329.551	250.378	1
11	1	4	-376.386	252.988	1
11	1	-4	-120.845	189.113	1
11	-1	-4	277.547	209.322	1
11	-1	4	220.895	238.966	1
11	-1	-5	-198.834	187.525	1
11	1	-5	268.389	234.703	1
11	-1	-6	383.391	218.325	1
11	2	0	571.890	255.974	1
11	-2	0	745.509	247.622	1
11	2	1	3583.96	472.617	1
11	-2	1	3917.76	498.118	1
11	2	-1	3862.40	476.704	1

11	-2	-1	3305.40	441.478	1
11	-2	2	1928.67	366.289	1
11	2	-2	1607.69	318.764	1
11	-2	-2	2505.83	382.333	1
11	2	2	2727.20	425.843	1
11	2	-3	1944.85	365.443	1
11	-2	3	1911.15	350.226	1
11	2	3	1868.99	354.611	1
11	-2	-3	2127.38	358.424	1
11	-2	-4	24.2226	161.002	1
11	2	4	180.546	192.317	1
11	-2	-5	753.009	259.796	1
11	-3	0	-283.618	241.965	1
11	3	0	-114.885	222.638	1
11	3	-1	453.406	293.291	1
11	-3	1	-274.762	209.353	1
11	-3	-1	-150.822	193.836	1
11	3	1	269.533	200.519	1
11	-3	2	260.216	224.246	1
11	-3	-2	400.248	205.241	1
11	3	2	434.791	211.962	1
11	-3	3	548.696	255.714	1
11	3	3	438.403	268.306	1
11	-3	-3	659.782	235.411	1
11	-3	4	1850.54	356.088	1
11	-3	-4	2358.98	380.476	1
11	-3	-5	148.826	209.768	1
11	-4	0	-211.779	218.394	1
11	-4	1	13.5682	211.351	1
11	-4	-1	65.5221	141.786	1
11	-4	2	90.9157	193.176	1
11	-4	-2	175.832	178.534	1
11	4	2	170.802	232.680	1
11	-4	-2	-4.94341	142.667	3
11	-4	-3	-68.2548	163.907	1
11	-4	-3	223.618	170.942	3
11	-4	3	-183.802	195.356	1
11	-4	-4	121.104	137.296	3
11	-4	-4	211.402	167.245	1
11	-4	4	-288.552	237.658	1
11	-4	-5	641.149	215.323	3
11	-4	-5	544.445	239.687	1
11	-5	0	219.629	162.741	1
11	-5	-1	1082.71	284.045	1
11	-5	1	1178.92	299.963	1
11	-5	-2	199.149	222.825	1
11	-5	-2	708.770	234.698	3
11	-5	2	583.117	238.532	1
11	-5	-3	249.276	229.052	1
11	-5	-3	246.093	175.510	3
11	-5	3	-293.343	207.924	1
11	-5	-4	133.918	216.438	1
11	-5	-4	-84.5733	154.822	3
11	-5	-5	59.2848	160.911	1
11	-5	-5	8.81256	155.435	3
11	-5	-6	82.8562	162.711	3
11	-6	0	79.4356	186.593	1
11	-6	1	1813.11	352.483	1

11	-6	-1	2059.85	368.831	1
11	-6	-2	480.276	205.473	3
11	-6	2	1037.67	300.326	1
11	-6	-2	958.831	237.229	1
11	-6	-3	921.725	248.374	3
11	-6	-3	1314.32	307.488	1
11	-6	-4	416.067	209.777	1
11	-6	-4	274.218	200.680	3
11	-6	-5	313.960	186.891	3
11	-6	-6	381.919	238.912	3
11	-7	0	82.3559	178.337	1
11	-7	1	225.274	201.852	1
11	-7	-1	624.757	260.918	1
11	-7	-2	49.9373	151.950	3
11	-7	-2	127.498	203.001	1
11	-7	-3	164.447	149.277	3
11	-7	-3	5.50532	150.864	1
11	-7	-4	560.663	214.600	3
11	-7	-4	845.901	278.386	1
11	-7	-5	24.3152	133.337	3
11	-8	-2	461.544	206.555	1
11	-8	-3	154.312	155.421	1
11	-8	-3	184.764	185.562	3
11	-8	-4	935.032	266.277	3
11	-9	-3	103.938	167.936	3
0	0	0	0.00	0.00	0

TITL MANNICH_1853_smart_abs in Pbca

REM Pbca (#61 in standard setting)

CELL 0.71073 8.786578 18.250157 23.266377 90.0000 90.0000 90.0000

ZERR 8.00 0.000247 0.000495 0.000625 0.0000 0.0000 0.0000

LATT 1

SYMM -x+1/2,-y, z+1/2

SYMM -x, y+1/2,-z+1/2

SYMM x+1/2,-y+1/2,-z

SFAC C H N F S

UNIT 152.00 184.00 32.00 8.00 8.00

TREF

HKLF 4

END

;

_shelx_hkl_checksum 11842

data_lm

_audit_creation_date

2016-02-15T18:21:45-00:00

_audit_creation_method

'WinGX routine CIF_UPDATE'

#-----#

----#

CHEMICAL INFORMATION

#

#-----#

----#

_chemical_name_systematic

; 2-(N-(2-Fluorophenyl)aminomethyl)-5-adamantyl-2H-1,2,4-triazole-3(4H)-thione

```
;
_chemical_name_common
; 2-(N-(2-Fluorophenyl)aminomethyl)-5-adamantyl-2H-1,2,4-triazole-3(4H)-
thione
;
_chemical_formula_moiety          'C19 H23 F N4 S'
_chemical_formula_sum             'C19 H23 F N4 S'
_chemical_formula_weight          358.47
_chemical_melting_point           'not measured'
_chemical_compound_source         synthetic
```

```
#-----#
----#
#                               UNIT CELL INFORMATION
#
#-----#
----#
```

```
_symmetry_cell_setting            monoclinic
_symmetry_space_group_name_H-M    'P 21/n'
_symmetry_space_group_name_Hall   '-P 2yn'
_symmetry_Int_Tables_number       14
_shelx_space_group_comment
; The symmetry employed for this shelxl refinement is uniquely defined
  by the following loop, which should always be used as a source of
  symmetry information in preference to the above space-group names.
  They are only intended as comments.
```

```
;
loop_
  _symmetry_equiv_pos_as_xyz
  'x, y, z'
  '-x+1/2, y+1/2, -z+1/2'
  '-x, -y, -z'
  'x-1/2, -y-1/2, z-1/2'
```

```
_cell_length_a                    11.9693(4)
_cell_length_b                    20.9226(11)
_cell_length_c                    14.7933(5)
_cell_angle_alpha                 90
_cell_angle_beta                 100.784(3)
_cell_angle_gamma                 90
_cell_volume                      3639.2(3)
_cell_formula_units_Z             8
_cell_measurement_temperature     294(2)
_cell_measurement_reflns_used     3095
_cell_measurement_theta_min       2.795
_cell_measurement_theta_max       28.325
_cell_oxdiff_length_a             11.9631(9)
_cell_oxdiff_length_b            20.9275(15)
_cell_oxdiff_length_c            14.7912(11)
_cell_oxdiff_angle_alpha          89.953(6)
_cell_oxdiff_angle_beta           100.653(6)
_cell_oxdiff_angle_gamma          89.969(6)
_cell_oxdiff_volume               3639.3(5)
_cell_oxdiff_measurement_reflns_used 3095
```

```
#-----#
----#
```



```
#          CRYSTAL INFORMATION
#
#-----#
----#
```

```
_exptl_crystal_description      prism
_exptl_crystal_colour           colourless
_exptl_crystal_size_max         0.6577
_exptl_crystal_size_mid         0.1444
_exptl_crystal_size_min         0.0719
_exptl_crystal_density_diffn    1.309
_exptl_crystal_F_000            1520
loop_
  _exptl_crystal_face_index_h
  _exptl_crystal_face_index_k
  _exptl_crystal_face_index_l
  _exptl_crystal_face_perp_dist
0 -1 -1 0.0359
0 1 1 0.0359
0 1 -1 0.0551
0 -1 1 0.0551
1 0 0 0.3129
-1 0 0 0.3129
```

```
#-----#
----#
#          ABSORPTION CORRECTION
#
#-----#
----#
```

```
_exptl_absorpt_coefficient_mu   0.197
_exptl_absorpt_correction_type   analytical
_exptl_absorpt_process_details
; CrysAlisPro, Agilent Technologies,
Version 1.171.37.35 (release 13-08-2014 CrysAlis171 .NET)
compiled Aug 13 2014,18:06:01)
```

Analytical numeric absorption correction using a multifaceted crystal model based on expressions derived by Clark & Reid (Clark, R. C. & Reid, J. S. (1995). Acta Cryst. A51, 887-897) followed by empirical absorption correction using spherical harmonics, implemented in SCALE3 ABSPACK scaling algorithm.

```
;
_exptl_absorpt_correction_T_min  0.927
_exptl_absorpt_correction_T_max  0.987
```

```
#-----#
----#
#          DATA COLLECTION
#
#-----#
----#
```

```
_diffrn_source                   'Enhance (Mo) X-ray Source'
```

```

_diffrn_source_type          'Enhance (Mo) (Oxford
Diffraction) '
_diffrn_ambient_temperature  294(2)
_diffrn_radiation_wavelength 0.71073
_diffrn_radiation_type       MoK\alpha
_diffrn_radiation_monochromator graphite
_diffrn_radiation_probe      x-ray
_diffrn_detector             'CCD plate'
_diffrn_detector_type        Sapphire3
_diffrn_detector_area_resol_mean 16.328
_diffrn_orient_matrix_ub_11  0.0439772
_diffrn_orient_matrix_ub_12  -0.0086685
_diffrn_orient_matrix_ub_13  0.0370468
_diffrn_orient_matrix_ub_21  -0.0077837
_diffrn_orient_matrix_ub_22  -0.0326186
_diffrn_orient_matrix_ub_23  -0.0125722
_diffrn_orient_matrix_ub_31  0.0405611
_diffrn_orient_matrix_ub_32  0.0031034
_diffrn_orient_matrix_ub_33  -0.0291624
_diffrn_measurement_device    'four-circle diffractometer'
_diffrn_measurement_device_type 'Gemini S (Oxford Diffraction) '
_diffrn_measurement_method    '\w scans'
_diffrn_measurement_specimen_support 'glass fiber'
_diffrn_reflns_av_R_equivalents 0.0442
_diffrn_reflns_av_unetI/netI    0.0508
_diffrn_reflns_number          17551
_diffrn_reflns_limit_h_min     -16
_diffrn_reflns_limit_h_max     11
_diffrn_reflns_limit_k_min     -28
_diffrn_reflns_limit_k_max     23
_diffrn_reflns_limit_l_min     -20
_diffrn_reflns_limit_l_max     20
_diffrn_reflns_theta_min       2.606
_diffrn_reflns_theta_max       29.13
_diffrn_reflns_theta_full      26.32
_diffrn_measured_fraction_theta_full 0.999
_diffrn_measured_fraction_theta_max 0.85
_diffrn_reflns_Laue_measured_fraction_full 0.999
_diffrn_reflns_Laue_measured_fraction_max 0.85
_diffrn_reflns_point_group_measured_fraction_full 0.999
_diffrn_reflns_point_group_measured_fraction_max 0.85
_reflns_Friedel_coverage       0
_reflns_special_details
; Reflections were merged by SHELXL according to the crystal
class for the calculation of statistics and refinement.
_reflns_Friedel_fraction is defined as the number of unique
Friedel pairs measured divided by the number that would be
possible theoretically, ignoring centric projections and
systematic absences.
;
_reflns_number_total           8331
_reflns_number_gt              4825
_reflns_threshold_expression    'I > 2\sigma(I) '

```

```

#-----#
----#

```

```

#           COMPUTER PROGRAMS USED
#

```

```

#-----#
----#

_computing_data_collection
;
    CrysAlisPro, Agilent Technologies,
    Version 1.171.37.35 (release 13-08-2014 CrysAlis171 .NET)
    (compiled Aug 13 2014,18:06:01)
;
_computing_cell_refinement
;
    CrysAlisPro, Agilent Technologies,
    Version 1.171.37.35 (release 13-08-2014 CrysAlis171 .NET)
    (compiled Aug 13 2014,18:06:01)
;
_computing_data_reduction
;
    CrysAlisPro, Agilent Technologies,
    Version 1.171.37.35 (release 13-08-2014 CrysAlis171 .NET)
    (compiled Aug 13 2014,18:06:01)
;
_computing_structure_solution          'SHELXT 2014/5 (Sheldrick,
2015a)'
_computing_structure_refinement        'SHELXL-2014/7 (Sheldrick, 2014)'
_shelx_SHELXL_version_number           2014/7
_computing_molecular_graphics          'Mercury CSD (Macrae et al.,
2008)'
_computing_publication_material        'SHELXLE (H\"ubschle et al.,
2011)'

#-----#
----#
#                               STRUCTURE SOLUTION
#
#-----#
----#

_atom_sites_solution_primary           dual
_atom_sites_solution_secondary         dual
_atom_sites_solution_hydrogens         mixed

#-----#
----#
#                               REFINEMENT INFORMATION
#
#-----#
----#

_refine_ls_structure_factor_coef       Fsqd
_refine_ls_matrix_type                 full
_refine_ls_weighting_scheme            calc
_refine_ls_weighting_details
    'w=1/[\s^2^(Fo^2^)+(0.0549P)^2^+0.0888P] where
P=(Fo^2^+2Fc^2^)/3'
_refine_ls_hydrogen_treatment          mixed
_refine_ls_extinction_method           none
_refine_ls_number_reflns               8331
_refine_ls_number_parameters           467

```

```

_refine_ls_number_restraints          1
_refine_ls_R_factor_all               0.1057
_refine_ls_R_factor_gt               0.0528
_refine_ls_wR_factor_ref             0.1289
_refine_ls_wR_factor_gt             0.1081
_refine_ls_goodness_of_fit_ref       1.01
_refine_ls_restrained_S_all          1.01
_refine_ls_shift/su_max              0.001
_refine_ls_shift/su_mean              0
_refine_diff_density_max              0.225
_refine_diff_density_min             -0.21
_refine_diff_density_rms             0.042

```

```

#-----#
----#
#           ATOMIC TYPES, COORDINATES AND THERMAL PARAMETERS
#
#-----#
----#

```

```

loop_
  _atom_type_symbol
  _atom_type_description
  _atom_type_scatter_dispersion_real
  _atom_type_scatter_dispersion_imag
  _atom_type_scatter_source
C C 0.0033 0.0016 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
H H 0 0 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
N N 0.0061 0.0033 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
F F 0.0171 0.0103 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
S S 0.1246 0.1234 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'

```

```

loop_
  _atom_site_label
  _atom_site_type_symbol
  _atom_site_fract_x
  _atom_site_fract_y
  _atom_site_fract_z
  _atom_site_U_iso_or_equiv
  _atom_site_adp_type
  _atom_site_occupancy
  _atom_site_site_symmetry_order
  _atom_site_calc_flag
  _atom_site_refinement_flags_posn
  _atom_site_refinement_flags_adp
  _atom_site_refinement_flags_occupancy
  _atom_site_disorder_assembly
  _atom_site_disorder_group
S1B S 0.68395(4) 0.57003(3) 0.63658(3) 0.04875(17) Uani 1 1 d . . . . .
N1A N 0.11162(12) 0.60351(8) 0.57585(10) 0.0376(4) Uani 1 1 d . . . . .
S1A S -0.15676(4) 0.56941(3) 0.38793(3) 0.04870(17) Uani 1 1 d . . . . .
F1A F 0.29058(12) 0.76999(8) 0.40486(13) 0.1047(6) Uani 1 1 d . . . . .
C1A C -0.05629(15) 0.58184(9) 0.48213(12) 0.0352(4) Uani 1 1 d . . . . .
N1B N 0.41943(12) 0.60597(8) 0.44513(11) 0.0390(4) Uani 1 1 d . . . . .
C1B C 0.58531(15) 0.58313(9) 0.54177(13) 0.0382(5) Uani 1 1 d . . . . .
F1B F 0.25122(12) 0.78167(8) 0.60818(13) 0.1018(6) Uani 1 1 d . . . . .
N2A N 0.05369(12) 0.59650(8) 0.48662(10) 0.0369(4) Uani 1 1 d . . . . .
C2A C 0.03534(15) 0.59276(9) 0.62600(12) 0.0349(4) Uani 1 1 d . . . . .

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N3A N -0.06768(13) 0.57976(8) 0.57106(11) 0.0378(4) Uani 1 1 d
H3A H -0.1314(17) 0.5742(9) 0.5873(14) 0.048(6) Uiso 1 1 d
N2B N 0.47512(12) 0.59922(8) 0.53510(10) 0.0376(4) Uani 1 1 d
C2B C 0.49690(15) 0.59423(9) 0.39632(13) 0.0359(4) Uani 1 1 d
C3A C 0.05274(15) 0.59458(9) 0.72877(12) 0.0354(4) Uani 1 1 d
N4A N 0.16957(15) 0.66413(10) 0.41000(13) 0.0490(5) Uani 1 1 d
H4A H 0.2360(19) 0.6637(11) 0.4194(15) 0.059(7) Uiso 1 1 d
N3B N 0.59783(14) 0.57998(8) 0.45258(11) 0.0408(4) Uani 1 1 d
H3B H 0.6606(18) 0.5726(10) 0.4390(15) 0.055(7) Uiso 1 1 d
C3B C 0.48252(15) 0.59637(9) 0.29386(12) 0.0356(4) Uani 1 1 d
C5A C 0.00078(17) 0.53476(10) 0.76486(12) 0.0422(5) Uani 1 1 d
H51A H -0.0798 0.5327 0.739 0.051 Uiso 1 1 calc R U
H52A H 0.0368 0.4968 0.746 0.051 Uiso 1 1 calc R U
N4B N 0.36314(15) 0.67222(9) 0.60761(13) 0.0486(5) Uani 1 1 d D
H4B H 0.2948(13) 0.6742(10) 0.5931(15) 0.057(7) Uiso 1 1 d D
C4B C 0.54208(17) 0.65599(10) 0.26536(14) 0.0479(5) Uani 1 1 d
H41B H 0.5091 0.694 0.2872 0.058 Uiso 1 1 calc R U
H42B H 0.6222 0.6548 0.293 0.058 Uiso 1 1 calc R U
C6A C 0.18001(16) 0.59644(10) 0.77028(13) 0.0422(5) Uani 1 1 d
H61A H 0.217 0.5588 0.7514 0.051 Uiso 1 1 calc R U
H62A H 0.2144 0.6338 0.748 0.051 Uiso 1 1 calc R U
C5B C 0.53491(16) 0.53657(10) 0.25865(13) 0.0428(5) Uani 1 1 d
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H52B H 0.4967 0.4987 0.2755 0.051 Uiso 1 1 calc R U
C7A C 0.01299(19) 0.65589(11) 0.86479(15) 0.0561(6) Uani 1 1 d
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C6B C 0.35604(15) 0.59942(10) 0.24925(13) 0.0428(5) Uani 1 1 d
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H62B H 0.3217 0.6371 0.2708 0.051 Uiso 1 1 calc R U
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H81A H -0.0301 0.5979 0.9655 0.075 Uiso 1 1 calc R U
H82A H -0.1203 0.5952 0.8735 0.075 Uiso 1 1 calc R U
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H10B H 0.1564 0.5397 0.9766 0.068 Uiso 1 1 calc R U
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H12B H 0.1512 0.6596 0.9715 0.071 Uiso 1 1 calc R U
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C12B C 0.4028(2) 0.66072(12) 0.11719(16) 0.0643(7) Uani 1 1 d

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;
All esds (except the esd in the dihedral angle between two l.s. planes)
are estimated using the full covariance matrix. The cell esds are taken
into account individually in the estimation of esds in distances, angles
and torsion angles; correlations between esds in cell parameters are
only
used when they are defined by crystal symmetry. An approximate
(isotropic)
treatment of cell esds is used for estimating esds involving l.s.
planes.

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# REFLECTION DATA AND REFINEMENT INSTRUCTIONS
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MANNICH_2_1854_smart_abs_a.res created by SHELXL-2014/7

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TITL MANNICH_2_1854_smart_abs_a.res in P2(1)/n
REM Old TITL MANNICH_2_1854_smart_abs in P2(1)/n
REM SHELXT solution in P2(1)/n
REM R1 0.222, Rweak 0.047, Alpha 0.041, Orientation as input
REM Formula found by SHELXT: C38 N10 S2
CELL 0.71073 11.9693 20.9226 14.7933 90.000 100.784 90.000
ZERR 8.000 0.0004 0.0011 0.0005 0.000 0.003 0.000
LATT 1
SYMM 1/2-X, 1/2+Y, 1/2-Z
SFAC C H N F S
UNIT 152.00 184.00 32.00 8.00 8.00
OMIT 1 1 1
DFIX 0.87 N4B H4B
L.S. 10
ACTA 52.64
BOND $H
CONF
EQIV $1 x-1, y, z
HTAB N3A S1B_$1
HTAB N4A N1B
EQIV $2 x+1, y, z
HTAB N3B S1A_$2
HTAB N4B N1A
TEMP 21
LIST 4
FMAP 2
PLAN 5
WGHT 0.054900 0.088800
FVAR 0.23666
S1B 5 0.683952 0.570029 0.636584 11.00000 0.02926
0.07862 =
0.03804 0.01022 0.00543 0.00526
N1A 3 0.111618 0.603507 0.575854 11.00000 0.02867
0.05055 =
0.03321 0.00319 0.00471 -0.00186
S1A 5 -0.156764 0.569415 0.387931 11.00000 0.03021
0.08023 =
0.03551 -0.01005 0.00577 -0.00385
F1A 4 0.290577 0.769990 0.404861 11.00000 0.05314
0.10958 =
0.14884 0.03258 0.01216 -0.03076
C1A 1 -0.056291 0.581840 0.482127 11.00000 0.02802
0.04337 =
0.03475 -0.00039 0.00756 -0.00030
N1B 3 0.419429 0.605973 0.445130 11.00000 0.02832
0.05147 =
0.03676 -0.00015 0.00510 0.00300

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C1B	1	0.585307	0.583127	0.541767	11.00000	0.02910
0.04662	=					
		0.04014	0.00110	0.00995	0.00076	
F1B	4	0.251216	0.781671	0.608178	11.00000	0.05346
0.10048	=					
		0.14864	-0.02332	0.01162	0.03020	
N2A	3	0.053693	0.596502	0.486617	11.00000	0.02477
0.05394	=					
		0.03222	0.00231	0.00622	0.00023	
C2A	1	0.035343	0.592761	0.625999	11.00000	0.02788
0.04168	=					
		0.03544	-0.00046	0.00634	-0.00029	
N3A	3	-0.067682	0.579760	0.571055	11.00000	0.02384
0.05624	=					
		0.03408	-0.00067	0.00727	-0.00346	
H3A	2	-0.131415	0.574246	0.587286	11.00000	0.04839
N2B	3	0.475117	0.599218	0.535103	11.00000	0.02379
0.05367	=					
		0.03522	0.00173	0.00487	0.00377	
C2B	1	0.496905	0.594229	0.396323	11.00000	0.02432
0.04304	=					
		0.03908	0.00150	0.00272	0.00113	
C3A	1	0.052740	0.594577	0.728772	11.00000	0.02840
0.04656	=					
		0.03177	-0.00161	0.00660	-0.00176	
N4A	3	0.169573	0.664127	0.410004	11.00000	0.02331
0.06815	=					
		0.05620	0.01138	0.00939	-0.00147	
H4A	2	0.235989	0.663737	0.419407	11.00000	0.05903
N3B	3	0.597828	0.579977	0.452585	11.00000	0.02516
0.05972	=					
		0.03815	0.00334	0.00786	0.00590	
H3B	2	0.660579	0.572573	0.438950	11.00000	0.05547
C3B	1	0.482524	0.596372	0.293862	11.00000	0.02932
0.04297	=					
		0.03457	0.00295	0.00613	0.00323	
C5A	1	0.000778	0.534757	0.764862	11.00000	0.03740
0.05284	=					
		0.03709	0.00015	0.00853	-0.00423	
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H52A	2	0.036786	0.496765	0.745960	11.00000	-1.20000
AFIX	0					
N4B	3	0.363144	0.672215	0.607608	11.00000	0.02776
0.06253	=					
		0.05552	-0.00437	0.00776	0.00922	
H4B	2	0.294811	0.674195	0.593066	11.00000	0.05723
C4B	1	0.542080	0.655995	0.265359	11.00000	0.04320
0.04774	=					
		0.05397	0.00283	0.01187	-0.00151	
AFIX	23					
H41B	2	0.509131	0.694042	0.287167	11.00000	-1.20000
H42B	2	0.622211	0.654818	0.292993	11.00000	-1.20000
AFIX	0					
C6A	1	0.180011	0.596442	0.770284	11.00000	0.03092
0.05645	=					
		0.03926	-0.00078	0.00667	-0.00119	
AFIX	23					

H61A	2	0.217000	0.558784	0.751419	11.00000	-1.20000
H62A	2	0.214358	0.633841	0.747981	11.00000	-1.20000
AFIX	0					
C5B	1	0.534914	0.536574	0.258651	11.00000	0.03480
0.04745	=					
		0.04503	0.00094	0.00431	0.00500	
AFIX	23					
H51B	2	0.614710	0.533681	0.286863	11.00000	-1.20000
H52B	2	0.496722	0.498709	0.275451	11.00000	-1.20000
AFIX	0					
C7A	1	0.012985	0.655885	0.864792	11.00000	0.05562
0.06234	=					
		0.05265	-0.01578	0.01638	0.01066	
AFIX	13					
H7A	2	-0.023694	0.694053	0.884230	11.00000	-1.20000
AFIX	0					
C6B	1	0.356045	0.599424	0.249249	11.00000	0.02981
0.05630	=					
		0.04078	0.00577	0.00303	0.00681	
AFIX	23					
H61B	2	0.317026	0.562080	0.266750	11.00000	-1.20000
H62B	2	0.321697	0.637099	0.270788	11.00000	-1.20000
AFIX	0					
C8A	1	-0.039490	0.596527	0.898995	11.00000	0.05199
0.10117	=					
		0.03914	-0.00888	0.01860	-0.00199	
AFIX	23					
H81A	2	-0.030148	0.597885	0.965529	11.00000	-1.20000
H82A	2	-0.120253	0.595224	0.873522	11.00000	-1.20000
AFIX	0					
C7B	1	0.528512	0.658443	0.160470	11.00000	0.05732
0.06239	=					
		0.05896	0.01802	0.02348	0.00109	
AFIX	13					
H7B	2	0.566518	0.696652	0.142652	11.00000	-1.20000
AFIX	0					
C9A	1	0.017887	0.537079	0.870041	11.00000	0.05295
0.06539	=					
		0.03826	0.00457	0.01220	-0.01070	
AFIX	13					
H9A	2	-0.015805	0.498943	0.892550	11.00000	-1.20000
AFIX	0					
C8B	1	0.582614	0.599018	0.127574	11.00000	0.05787
0.09137	=					
		0.04923	0.00949	0.02501	0.01185	
AFIX	23					
H81B	2	0.576439	0.600625	0.061292	11.00000	-1.20000
H82B	2	0.662654	0.597394	0.155411	11.00000	-1.20000
AFIX	0					
C10A	1	0.144681	0.539037	0.909909	11.00000	0.05991
0.07075	=					
		0.03714	0.00645	0.00366	0.00566	
AFIX	23					
H10A	2	0.181283	0.501153	0.891321	11.00000	-1.20000
H10B	2	0.156421	0.539715	0.976583	11.00000	-1.20000
AFIX	0					
C9B	1	0.522879	0.539912	0.153951	11.00000	0.05278
0.06151	=					

		0.04491	-0.00728	0.01260	0.01085	
AFIX	13					
H9B	2	0.557200	0.501778	0.132028	11.00000	-1.20000
AFIX	0					
C11A	1	0.196819	0.598702	0.875306	11.00000	0.03638
0.07128	=					
		0.03770	-0.00454	0.00000	-0.00237	
AFIX	13					
H11A	2	0.278338	0.600069	0.901314	11.00000	-1.20000
AFIX	0					
C10B	1	0.395989	0.542288	0.110721	11.00000	0.05947
0.08229	=					
		0.04245	-0.00820	0.00058	0.00138	
AFIX	23					
H10C	2	0.386736	0.543300	0.044180	11.00000	-1.20000
H10D	2	0.358040	0.504453	0.127915	11.00000	-1.20000
AFIX	0					
C12A	1	0.139776	0.657830	0.904905	11.00000	0.06076
0.07043	=					
		0.04413	-0.01349	0.00549	-0.00805	
AFIX	23					
H12A	2	0.173331	0.695822	0.883507	11.00000	-1.20000
H12B	2	0.151232	0.659553	0.971528	11.00000	-1.20000
AFIX	0					
C11B	1	0.343408	0.601954	0.144579	11.00000	0.03995
0.07742	=					
		0.03970	0.00631	0.00166	0.00844	
AFIX	13					
H11B	2	0.262497	0.603859	0.116660	11.00000	-1.20000
AFIX	0					
C13A	1	0.113175	0.604956	0.408583	11.00000	0.03352
0.06011	=					
		0.03662	0.00401	0.01275	0.00347	
AFIX	23					
H13A	2	0.168251	0.570822	0.409670	11.00000	-1.20000
H13B	2	0.058366	0.601404	0.351536	11.00000	-1.20000
AFIX	0					
C12B	1	0.402832	0.660719	0.117194	11.00000	0.06698
0.08055	=					
		0.04655	0.02091	0.01342	0.02157	
AFIX	23					
H12C	2	0.368569	0.698815	0.137597	11.00000	-1.20000
H12D	2	0.394206	0.662540	0.050728	11.00000	-1.20000
AFIX	0					
C14A	1	0.113822	0.721871	0.393423	11.00000	0.03852
0.06182	=					
		0.03189	0.00428	0.00935	-0.00367	
C13B	1	0.414376	0.611513	0.611489	11.00000	0.03307
0.05819	=					
		0.04002	0.00033	0.01293	-0.00226	
AFIX	23					
H13C	2	0.356160	0.579144	0.610587	11.00000	-1.20000
H13D	2	0.467653	0.607526	0.669299	11.00000	-1.20000
AFIX	0					
C15A	1	0.175827	0.777273	0.391213	11.00000	0.05449
0.07369	=					
		0.06128	0.00776	0.00918	-0.01532	

C14B	1	0.423752	0.728625	0.624569	11.00000	0.04126
0.05488	=					
		0.03198	0.00063	0.01026	0.00521	
C16A	1	0.128127	0.836156	0.375278	11.00000	0.09822
0.06229	=					
		0.07704	0.00407	0.01882	-0.02198	
AFIX	43					
H16A	2	0.173738	0.872081	0.374672	11.00000	-1.20000
AFIX	0					
C15B	1	0.366611	0.785553	0.625643	11.00000	0.04834
0.06795	=					
		0.06164	-0.00199	0.01141	0.01612	
C17A	1	0.012368	0.841941	0.360160	11.00000	0.10722
0.06162	=					
		0.06241	0.00422	0.02460	0.01223	
AFIX	43					
H17A	2	-0.021728	0.881842	0.349250	11.00000	-1.20000
AFIX	0					
C16B	1	0.418585	0.843129	0.643829	11.00000	0.08798
0.05662	=					
		0.07423	0.00239	0.02297	0.01631	
AFIX	43					
H16B	2	0.375768	0.880202	0.644041	11.00000	-1.20000
AFIX	0					
C18A	1	-0.052073	0.788803	0.361272	11.00000	0.06634
0.07223	=					
		0.05934	0.00807	0.02327	0.01692	
AFIX	43					
H18A	2	-0.130858	0.792636	0.350591	11.00000	-1.20000
AFIX	0					
C17B	1	0.535047	0.845704	0.661844	11.00000	0.09140
0.05436	=					
		0.05719	-0.00024	0.02440	-0.01041	
AFIX	43					
H17B	2	0.572559	0.884553	0.674175	11.00000	-1.20000
AFIX	0					
C19A	1	-0.003364	0.729008	0.377927	11.00000	0.04533
0.05740	=					
		0.04894	0.00630	0.01593	0.00232	
AFIX	43					
H19A	2	-0.049528	0.693339	0.378738	11.00000	-1.20000
AFIX	0					
C19B	1	0.541057	0.732400	0.642787	11.00000	0.04051
0.05459	=					
		0.05296	-0.00444	0.01159	0.00150	
AFIX	43					
H19B	2	0.584121	0.695428	0.642503	11.00000	-1.20000
AFIX	0					
C18B	1	0.594827	0.790452	0.661376	11.00000	0.05661
0.06579	=					
		0.05993	-0.00514	0.01763	-0.00887	
AFIX	43					
H18B	2	0.673879	0.791889	0.673901	11.00000	-1.20000
AFIX	0					
C4A	1	-0.004689	0.654236	0.759539	11.00000	0.04216
0.05443	=					
		0.04879	-0.00376	0.00838	0.00840	
AFIX	23					

H41A 2 0.027713 0.692315 0.737322 11.00000 -1.20000
H42A 2 -0.085391 0.653446 0.733761 11.00000 -1.20000
AFIX 0
HKLF 4

REM MANNICH_2_1854_smart_abs_a.res in P2(1)/n
REM R1 = 0.0528 for 4825 Fo > 4sig(Fo) and 0.1057 for all 8331
data
REM 467 parameters refined using 1 restraints

END

WGHT 0.0542 0.1166

REM Highest difference peak 0.225, deepest hole -0.210, 1-sigma level
0.042

Q1	1	0.0397	0.5921	0.6796	11.00000	0.05	0.23
Q2	1	-0.1016	0.5833	0.4412	11.00000	0.05	0.20
Q3	1	0.5394	0.6057	0.5512	11.00000	0.05	0.20
Q4	1	0.0231	0.5657	0.7380	11.00000	0.05	0.19
Q5	1	0.4871	0.5978	0.3425	11.00000	0.05	0.18

;

_shelx_res_checksum 4618

_shelx_hkl_file

;

0	0	-2	8.59	0.54
0	0	-2	4.78	0.38
0	0	3	0.65	0.35
0	0	-3	0.36	0.43
0	0	4	9999.00	149.58
0	0	-4	8827.99	150.08
0	0	-5	0.51	0.65
0	0	5	0.24	0.48
0	0	-6	1190.86	21.49
0	0	6	1261.93	20.71
0	0	-7	0.43	0.67
0	0	7	0.18	0.49
0	0	-8	2476.01	43.39
0	0	8	2661.85	42.40
0	0	-9	1.15	0.83
0	0	10	15.08	1.56
0	0	-10	14.08	1.48
0	0	11	0.82	0.83
0	0	-11	-1.04	0.82
0	0	-12	83.05	3.91
0	0	12	89.14	3.86
0	0	13	0.99	1.10
0	0	-13	0.50	0.79
0	0	14	15.99	1.97
0	0	-14	13.85	1.87
0	0	-15	-0.71	0.88
0	0	15	0.59	0.93
0	0	16	3.41	1.20
0	0	-16	2.09	1.15
0	0	-17	-1.50	1.24
0	0	17	-0.48	1.00
0	0	-18	0.07	0.96

0	0	18	0.03	1.10
0	1	-2	0.85	0.33
0	-1	-2	1.40	0.38
0	1	3	1062.12	17.15
0	1	-3	1025.19	17.77
0	-1	-3	1085.22	17.15
0	-1	3	1083.86	17.49
0	-1	-3	1029.97	17.60
0	1	-4	373.07	7.41
0	-1	4	394.32	7.01
0	1	4	368.62	6.70
0	-1	-4	384.57	7.30
0	1	4	372.73	7.15
0	-1	-4	380.03	6.69
0	-1	-5	10.20	0.75
0	1	-5	10.61	1.05
0	1	5	10.63	1.01
0	-1	-5	10.99	0.96
0	-1	5	10.52	0.85
0	1	5	9.46	0.69
0	1	6	43.60	1.56
0	-1	6	44.12	1.75
0	1	-6	45.04	2.08
0	1	6	38.84	1.84
0	-1	-6	43.06	1.96
0	1	-7	289.64	7.03
0	-1	-7	297.20	6.93
0	1	7	302.19	6.73
0	-1	7	306.36	6.38
0	1	7	307.43	6.11
0	1	8	370.61	7.37
0	1	8	375.42	8.07
0	-1	-8	364.82	8.33
0	1	-8	345.68	8.34
0	-1	-9	12.94	1.33
0	1	-9	14.01	1.47
0	1	9	13.96	1.08
0	1	9	15.41	1.44
0	-1	-10	13.56	1.45
0	1	-10	12.15	1.40
0	1	10	11.63	1.45
0	1	-11	1.71	0.86
0	1	11	2.57	0.96
0	-1	-11	1.21	0.92
0	1	12	48.59	2.77
0	-1	12	41.86	2.64
0	1	-12	42.37	2.81
0	-1	-12	38.74	2.64
0	-1	13	17.64	1.91
0	1	-13	18.17	1.96
0	-1	-13	18.63	1.98
0	1	13	18.03	1.92
0	-1	14	4.75	1.29
0	-1	-14	5.78	1.44
0	1	14	4.12	1.29
0	1	-14	3.06	1.06
0	-1	15	2.21	1.05
0	1	15	2.11	1.15

0	1	-15	1.80	1.02
0	-1	-15	1.04	0.91
0	-1	16	6.67	1.46
0	1	16	6.07	1.50
0	1	-16	5.12	1.47
0	-1	-16	4.00	1.26
0	-1	-17	2.98	1.42
0	1	17	2.15	1.31
0	1	-17	1.57	1.14
0	-1	17	1.02	1.17
0	1	18	1.63	1.44
0	1	-18	0.40	1.12
0	-1	18	1.86	1.34
0	-1	-18	-0.79	1.06
0	-1	-19	-0.82	1.13
0	2	-2	11.57	0.68
0	-2	-2	10.05	0.65
0	-2	-3	41.85	1.07
0	2	-3	42.11	1.57
0	2	3	40.28	1.07
0	-2	-3	43.91	1.52
0	-2	-4	944.09	15.38
0	-2	-4	950.47	16.05
0	2	4	951.20	15.40
0	2	4	941.68	16.09
0	2	-4	905.02	16.33
0	-2	5	2.31	0.66
0	2	5	2.18	0.74
0	-2	-5	2.23	0.63
0	2	-5	3.30	0.85
0	2	5	2.55	0.49
0	-2	-5	2.24	0.49
0	-2	6	62.57	2.32
0	2	6	68.31	1.92
0	2	-6	62.07	2.55
0	-2	-6	67.43	1.91
0	2	6	64.76	2.40
0	-2	-6	68.86	2.50
0	-2	-7	121.24	3.71
0	2	-7	119.57	3.92
0	2	7	119.59	3.00
0	-2	7	124.42	3.48
0	2	7	120.39	3.67
0	-2	-8	1.21	0.73
0	2	8	0.61	0.74
0	2	8	1.23	0.49
0	2	-8	-0.02	0.74
0	2	9	18.22	1.55
0	2	-9	17.15	1.67
0	-2	-9	17.25	1.50
0	2	9	16.47	1.12
0	2	-10	9.72	1.32
0	2	10	10.61	1.37
0	-2	-10	10.88	1.33
0	2	-11	1.89	0.92
0	-2	-11	2.71	1.01
0	2	11	1.56	0.90
0	2	-12	3.88	1.19

0	2	12	2.27	1.08
0	-2	-12	1.95	1.00
0	2	-13	35.35	2.73
0	2	13	38.01	2.63
0	-2	-13	34.50	2.58
0	-2	14	1.78	0.95
0	2	14	1.85	1.19
0	-2	-14	1.52	0.95
0	-2	15	2.35	1.19
0	2	-15	2.50	1.10
0	2	15	2.55	1.08
0	-2	-15	0.95	1.01
0	2	-16	0.62	1.16
0	-2	-16	2.00	1.29
0	-2	16	0.75	1.11
0	2	16	-2.02	1.20
0	-2	17	10.65	1.91
0	-2	-17	7.64	1.64
0	2	-17	16.08	2.25
0	2	17	10.47	1.85
0	-2	18	3.36	1.25
0	-2	-18	0.36	0.94
0	2	18	0.01	1.24
0	2	-18	-0.60	1.27
0	-2	-19	-0.75	1.13
0	-3	0	2.65	0.48
0	-3	-1	122.67	2.62
0	3	-1	111.85	2.39
0	3	-2	5.85	0.55
0	-3	-3	786.23	13.34
0	3	-3	716.58	13.42
0	-3	-3	740.59	12.60
0	3	-4	3.31	0.71
0	-3	-4	4.93	0.77
0	3	4	4.14	0.43
0	3	4	3.30	0.70
0	-3	-4	4.27	0.41
0	-3	-5	4.26	0.49
0	3	5	3.76	0.47
0	-3	-5	4.86	0.74
0	-3	-5	4.18	0.70
0	3	5	4.04	0.75
0	3	-5	4.41	0.86
0	3	-6	71.16	2.81
0	3	6	70.30	2.60
0	-3	-6	78.25	2.03
0	3	6	71.43	1.99
0	-3	6	83.57	2.66
0	-3	-6	77.91	2.65
0	3	7	306.79	7.00
0	3	7	315.43	6.03
0	-3	-7	306.17	6.93
0	3	-7	314.57	7.39
0	-3	-7	313.22	6.04
0	3	8	104.36	3.46
0	3	8	94.09	2.62
0	-3	-8	92.23	3.34
0	3	-8	95.64	3.66

0	-3	-9	12.38	1.28
0	3	9	11.60	0.89
0	3	9	14.12	1.41
0	3	-9	10.66	1.30
0	3	10	13.93	1.54
0	3	-10	12.13	1.49
0	-3	-10	16.14	1.55
0	3	10	12.82	1.01
0	-3	-11	19.25	1.79
0	3	11	21.09	1.89
0	3	-11	23.58	2.05
0	3	12	70.35	3.45
0	-3	-12	69.71	3.48
0	3	-12	71.27	3.70
0	3	-13	1.34	1.11
0	-3	-13	-0.11	0.93
0	3	13	0.40	1.05
0	3	-14	4.31	1.15
0	-3	-14	5.22	1.27
0	3	14	6.54	1.43
0	-3	-15	0.95	1.02
0	-3	15	0.85	0.99
0	3	-15	2.27	1.22
0	3	15	1.16	1.12
0	-3	-16	21.59	2.36
0	3	-16	19.93	2.35
0	3	16	26.17	2.53
0	-3	16	18.51	2.29
0	3	17	-1.84	1.38
0	-3	-17	0.32	1.00
0	3	-17	-0.07	1.16
0	-3	17	1.66	1.20
0	3	-18	-0.28	0.92
0	-3	-18	0.14	1.02
0	-3	18	2.47	1.39
0	-3	-19	1.63	1.40
0	-4	0	4034.67	31.27
0	4	0	4009.65	30.11
0	-4	1	30.32	1.06
0	4	-1	33.21	1.08
0	-4	-1	33.64	1.28
0	4	-2	63.77	1.87
0	-4	-3	3.41	0.41
0	4	-3	3.13	0.65
0	-4	-3	3.57	0.71
0	4	-4	32.39	1.59
0	-4	-4	31.53	1.02
0	-4	-4	33.96	1.55
0	-4	-5	11.12	0.64
0	4	-5	11.53	1.11
0	-4	-5	9.73	1.00
0	-4	-5	11.65	0.90
0	4	5	9.89	0.64
0	4	6	33.19	1.81
0	-4	-6	34.15	1.63
0	4	6	33.57	1.18
0	4	-6	34.21	1.93
0	-4	-6	35.14	1.21

0	-4	-7	15.16	0.88
0	4	-7	14.22	1.33
0	-4	-7	16.51	1.27
0	4	7	15.61	1.34
0	4	7	13.82	0.85
0	4	8	-0.73	0.80
0	-4	-8	-0.20	0.64
0	4	-8	1.79	0.81
0	-4	-8	0.82	0.44
0	4	8	1.21	0.38
0	4	-9	-0.31	0.81
0	4	9	-0.31	0.72
0	4	9	0.16	0.42
0	-4	-9	-0.99	0.68
0	4	10	10.64	0.92
0	-4	-10	13.05	1.38
0	4	10	9.08	1.31
0	4	-10	10.84	1.49
0	4	11	50.96	2.85
0	4	11	41.06	1.88
0	-4	-11	51.07	2.75
0	4	-11	49.56	2.95
0	-4	-12	0.13	0.73
0	4	12	1.37	1.03
0	4	-12	0.71	0.85
0	-4	-13	20.21	2.05
0	4	-13	24.42	2.38
0	4	13	25.99	2.24
0	-4	-14	0.21	0.83
0	4	14	-2.34	0.98
0	4	-14	0.56	1.06
0	4	-15	10.00	1.78
0	-4	-15	11.86	1.68
0	4	15	12.44	1.87
0	4	-16	0.41	1.12
0	-4	16	0.38	1.13
0	4	16	0.42	1.26
0	-4	-16	0.68	0.95
0	4	17	9.56	1.84
0	-4	-17	5.71	1.50
0	-4	17	5.15	1.49
0	4	-17	5.22	1.42
0	-4	18	0.95	1.14
0	4	-18	0.98	1.36
0	-4	-18	0.49	1.07
0	-4	-19	1.16	1.06
0	5	0	-0.21	0.24
0	-5	0	0.55	0.66
0	-5	0	0.12	0.23
0	-5	1	3807.18	59.98
0	-5	-1	3764.92	60.33
0	5	-1	3778.52	59.95
0	-5	-2	0.35	0.70
0	-5	2	0.53	0.40
0	5	-2	0.11	0.42
0	5	-3	7.43	0.83
0	-5	3	8.13	0.82
0	5	-4	24.12	1.40

0	-5	-4	18.50	0.83
0	-5	-4	23.32	1.36
0	-5	-5	105.14	2.80
0	-5	-5	105.35	2.34
0	5	-5	98.11	3.26
0	-5	-6	2.48	0.62
0	5	-6	2.51	0.81
0	-5	-6	2.35	0.40
0	5	-7	0.02	0.69
0	-5	-7	-0.11	0.49
0	-5	-7	0.30	0.34
0	5	7	0.24	0.32
0	-5	-8	42.12	2.07
0	-5	-8	45.42	1.54
0	5	-8	41.97	2.45
0	5	8	38.48	1.46
0	5	8	44.27	2.32
0	5	9	0.43	0.37
0	-5	-9	0.13	0.40
0	-5	-9	-0.09	0.60
0	5	9	0.65	0.81
0	5	-9	-0.82	0.74
0	5	10	-0.03	0.40
0	5	-10	-0.46	0.71
0	-5	-10	-0.64	0.69
0	5	10	-0.11	0.82
0	-5	-11	8.52	1.25
0	5	-11	6.83	1.24
0	5	11	6.78	0.74
0	5	11	5.99	1.26
0	-5	-12	73.64	3.48
0	5	12	75.00	3.69
0	5	-12	73.44	3.88
0	5	-13	2.95	1.21
0	5	13	1.68	1.01
0	-5	-13	2.68	0.93
0	5	-14	1.93	1.06
0	-5	-14	1.40	0.90
0	5	-15	0.85	1.03
0	-5	-15	0.03	0.78
0	-5	-16	29.00	2.59
0	5	-16	26.34	2.84
0	5	-17	-0.01	1.19
0	-5	17	2.69	1.38
0	-5	-17	2.31	1.22
0	-5	18	1.69	1.34
0	5	-18	0.63	1.16
0	-5	-18	1.83	1.31
0	-5	-19	-0.93	1.23
0	-6	0	3351.00	54.45
0	6	0	3415.99	53.61
0	-6	0	3390.68	53.61
0	-6	1	1.37	0.39
0	-6	-1	1.61	0.22
0	-6	1	0.83	0.70
0	6	-1	1.21	0.41
0	-6	-1	1.40	0.68
0	-6	2	784.18	13.26

0	6	-2	748.84	13.16
0	-6	-2	755.77	13.48
0	6	-3	5.72	0.80
0	-6	3	4.83	0.72
0	-6	-4	115.76	2.64
0	6	-4	118.16	3.45
0	-6	4	133.19	3.63
0	6	-5	0.17	0.66
0	-6	-5	0.25	0.34
0	-6	-6	55.64	1.60
0	-6	-6	55.74	2.03
0	6	-6	52.11	2.46
0	-6	-7	20.98	0.98
0	-6	-7	21.38	1.37
0	6	-7	18.90	1.62
0	-6	-8	60.24	1.81
0	-6	-8	57.72	2.44
0	6	-8	54.46	2.76
0	-6	-9	4.26	0.57
0	6	-9	4.40	1.09
0	-6	-9	5.06	0.92
0	6	9	3.60	0.56
0	-6	-10	2.20	0.51
0	-6	-10	3.19	0.87
0	6	-10	1.85	0.82
0	6	10	1.52	0.43
0	6	-11	16.41	1.85
0	-6	-11	14.37	1.54
0	-6	-12	89.57	3.86
0	6	-12	82.11	4.18
0	-6	-13	11.18	1.47
0	6	-13	11.85	1.75
0	-6	-14	0.75	0.92
0	6	-14	1.24	1.06
0	-6	-15	13.04	1.80
0	6	-15	11.17	1.93
0	6	-16	7.16	1.70
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0	-6	-17	8.97	1.60
0	6	-17	13.70	2.26
0	-6	-18	-0.46	0.93
0	-7	0	0.08	0.28
0	-7	0	0.56	0.86
0	7	0	0.51	0.31
0	-7	1	1109.73	18.65
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0	7	-1	1104.64	18.62
0	-7	1	1130.00	19.32
0	-7	-1	1110.68	19.29
0	7	-2	2.55	0.61
0	-7	2	2.61	0.56
0	-7	-2	2.28	0.23
0	-7	-2	3.34	0.99
0	-7	3	84.89	2.64
0	7	-3	70.69	2.48
0	-7	4	0.30	0.50
0	7	-4	-0.06	0.53
0	-7	-5	32.03	1.25

0	7	-5	41.02	2.02
0	-7	-6	0.66	0.42
0	-7	-6	0.11	0.33
0	7	-6	1.03	0.61
0	-7	-7	125.66	3.52
0	-7	-7	118.66	2.80
0	7	-7	111.21	4.05
0	7	-8	0.59	0.70
0	-7	-8	1.10	0.60
0	-7	-8	0.40	0.34
0	-7	-9	9.19	1.07
0	7	-9	9.36	1.37
0	-7	-9	10.06	0.74
0	7	-10	6.50	1.20
0	-7	-10	5.94	0.65
0	-7	-10	4.15	0.88
0	7	-11	60.08	3.47
0	-7	-11	59.95	2.91
0	7	-12	33.19	2.69
0	-7	-12	38.12	2.42
0	-7	-13	13.31	1.53
0	7	-13	15.65	1.95
0	7	-14	1.57	1.13
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0	-7	-15	4.95	1.20
0	7	-15	3.48	1.25
0	-7	-16	4.01	1.31
0	7	-16	2.20	1.38
0	7	-17	0.54	1.05
0	-7	-17	2.18	1.27
0	-8	0	304.96	6.65
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0	-8	0	316.60	5.73
0	-8	1	6.68	0.65
0	-8	1	6.98	0.98
0	8	-1	6.25	0.65
0	-8	-1	7.10	1.09
0	-8	-1	6.76	0.43
0	-8	2	18.60	1.10
0	-8	-2	16.99	0.58
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0	8	-2	16.66	1.08
0	-8	-3	1.67	0.80
0	8	-3	2.91	0.66
0	-8	3	2.46	0.60
0	8	-4	103.76	3.32
0	-8	-5	1.04	0.39
0	8	-5	1.66	0.70
0	-8	-6	0.21	0.36
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0	-8	-6	0.12	0.35
0	-8	-7	10.92	0.76
0	8	-7	12.47	1.37
0	-8	-7	12.24	1.01
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0	-8	-8	31.02	1.66
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0	8	-9	-0.14	0.75
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0	8	-11	35.11	2.63
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0	-8	-12	8.76	1.20
0	8	-13	5.44	1.29
0	-8	-13	6.14	1.23
0	8	-14	1.44	0.98
0	-8	-14	1.86	1.01
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0	8	-15	2.09	1.12
0	-8	-16	1.65	1.02
0	8	-16	0.45	1.10
0	8	-17	0.29	1.23
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0	9	0	0.26	0.29
0	-9	0	0.12	0.28
0	-9	-1	32.06	1.04
0	9	-1	31.98	1.35
0	-9	-1	32.94	1.83
0	-9	1	33.96	1.38
0	-9	1	33.65	1.86
0	-9	-2	31.30	1.80
0	-9	-2	29.96	0.86
0	-9	2	31.60	1.83
0	9	-2	28.17	1.43
0	-9	2	30.82	1.47
0	-9	-3	15.05	1.34
0	-9	3	14.47	1.14
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0	9	-5	45.43	2.24
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0	9	-8	0.50	0.75
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0	9	-9	18.15	1.77
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0	-10	-1	5.68	1.02
0	10	-2	132.62	3.56
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0	-10	-3	0.43	0.13
0	10	-4	43.32	2.12
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0	11	0	0.29	0.34
0	11	-1	616.80	11.29
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0	-11	-1	618.39	10.65
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0	11	-2	7.11	0.79
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0	11	-4	20.26	1.51
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0	12	-9	9.00	1.46
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0	-13	-7	13.87	0.83
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0	-13	-8	0.14	0.44
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0	-13	-9	12.64	1.03
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0	13	-14	-0.04	1.06

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0	14	-12	9.91	1.80
0	14	-13	0.73	1.07
0	14	-14	0.62	0.92
0	14	-15	0.09	1.18
0	15	0	-0.20	0.32
0	-15	0	0.31	0.90
0	-15	1	5.56	1.14
0	15	-1	3.99	0.62
0	-15	-1	5.65	1.23
0	-15	2	-0.06	0.93
0	15	-2	1.08	0.49
0	-15	-2	0.78	0.94
0	-15	3	88.63	3.85
0	-15	-3	84.55	3.77
0	15	-3	79.66	3.09
0	15	-4	3.47	0.81
0	-15	-4	4.66	1.14
0	-15	4	2.46	1.01
0	15	-5	23.63	1.80
0	-15	5	25.32	2.17
0	15	-6	1.79	0.79
0	15	-7	43.72	2.73
0	-15	-7	40.54	1.95
0	15	-8	13.34	1.67
0	-15	-8	10.72	1.07
0	15	-9	3.63	1.02
0	15	-10	10.36	1.64

0	15	-11	9.87	1.69
0	15	-12	11.04	1.85
0	15	-13	1.54	1.07
0	15	-14	-1.48	1.11
0	15	-15	0.08	1.04
0	16	0	840.71	14.72
0	-16	0	840.20	17.19
0	-16	-1	1.71	1.14
0	16	-1	1.05	0.49
0	-16	1	-0.51	1.05
0	-16	-2	8.30	1.36
0	-16	2	9.60	1.57
0	16	-2	9.52	0.99
0	16	-3	8.80	1.04
0	-16	-3	8.20	1.50
0	-16	3	8.33	1.53
0	-16	4	12.04	1.67
0	16	-4	10.55	1.22
0	-16	-4	13.42	1.64
0	16	-5	-0.16	0.63
0	-16	5	1.05	0.99
0	16	-6	17.10	1.65
0	-16	6	15.30	1.91
0	16	-7	4.57	1.05
0	-16	-7	3.07	0.71
0	16	-8	36.86	2.69
0	16	-9	0.65	0.90
0	16	-10	3.54	1.26
0	16	-11	13.47	1.93
0	16	-12	-0.08	0.95
0	16	-13	2.12	1.38
0	16	-14	0.94	1.35
0	-17	0	6.48	1.54
0	-17	1	10.88	1.47
0	17	-1	12.11	1.02
0	-17	-1	12.46	1.75
0	-17	-2	1.59	1.16
0	-17	2	1.83	1.21
0	17	-2	1.38	0.56
0	-17	-3	72.12	3.73
0	-17	3	78.63	3.90
0	17	-3	75.05	3.02
0	-17	4	-0.60	1.25
0	-17	-4	0.14	1.04
0	17	-4	1.84	0.68
0	-17	5	41.89	2.96
0	17	-5	38.93	2.41
0	-17	6	1.85	1.16
0	17	-6	0.25	0.68
0	-17	-7	14.27	1.29
0	17	-7	16.25	1.72
0	17	-8	10.97	1.57
0	17	-9	2.35	1.02
0	17	-10	-0.05	0.97
0	17	-11	2.98	1.30
0	17	-12	2.69	1.32
0	17	-13	0.11	1.15
0	17	-14	1.07	1.15

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0	18	-1	9.98	0.98
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0	18	-2	0.04	0.47
0	-18	-3	-0.62	0.99
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0	18	-7	4.11	1.08
0	18	-8	5.21	1.21
0	18	-9	1.63	0.90
0	18	-10	4.85	1.31
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0	18	-12	-0.36	0.97
0	18	-13	-1.16	1.18
0	18	-14	0.83	1.08
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0	19	-2	0.23	0.46
0	19	-3	37.06	2.13
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0	19	-5	5.05	1.04
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0	19	-6	0.84	0.79
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0	19	-7	44.53	2.92
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0	19	-10	1.08	0.82
0	19	-11	9.87	1.69
0	19	-12	0.55	0.90
0	19	-13	1.72	1.11
0	-20	0	11.08	1.80
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0	-20	1	1.98	1.05
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0	20	-9	2.33	1.06
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0	20	-10	1.32	1.08
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0	20	-12	2.56	1.17
0	20	-13	-0.23	1.00
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0	-21	-1	2.69	1.38
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0	-21	-2	1.47	1.21
0	-21	3	2.81	1.46
0	-21	-3	4.36	1.41
0	-21	-4	0.30	1.20
0	-21	4	-0.28	1.12
0	21	-5	5.96	1.06
0	-21	5	7.34	1.82
0	21	-6	0.93	0.88
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0	21	-7	0.82	0.71
0	-21	8	0.28	1.40
0	21	-8	1.55	0.83
0	21	-9	2.28	1.00
0	-21	9	-1.10	1.15
0	21	-10	-1.33	0.95
0	-21	10	1.06	1.30
0	-21	11	2.48	1.93
0	21	-11	-0.41	0.95
0	21	-12	1.35	1.34
0	-22	0	1.09	1.22
0	-22	-1	0.49	1.19
0	-22	1	-0.81	1.43
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0	-22	-3	0.63	1.34
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0	-22	5	1.82	1.38
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0	-22	7	1.47	1.23
0	22	-8	2.18	0.96
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0	-22	9	2.17	1.63

0	22	-9	-0.62	0.82
0	22	-10	1.14	0.91
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0	22	-12	-0.11	1.01
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0	-23	3	0.22	1.06
0	-23	-3	3.25	1.46
0	-23	4	-0.50	1.33
0	-23	-4	-1.96	1.18
0	-23	5	3.32	1.40
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0	-23	7	1.44	1.33
0	-23	8	0.52	1.35
0	-23	9	1.97	1.56
0	-24	0	5.54	1.79
0	-24	-1	0.33	1.44
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0	-24	-2	2.56	1.53
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0	-24	5	0.95	1.35
0	-24	6	-0.12	1.50
0	-24	7	0.01	1.08
0	-24	8	1.97	1.61
0	-25	0	2.18	1.36
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0	-25	-2	0.10	1.07
0	-25	-3	4.34	1.69
0	-25	3	4.19	1.68
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0	-25	5	3.63	1.63
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0	-26	0	5.59	1.67
0	-26	1	-1.12	1.35
0	-26	-1	-0.45	1.55
0	-26	-2	-1.98	1.33
0	-26	2	5.37	1.91
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0	-27	0	-2.40	1.72
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-1	0	19	15.11	2.20
1	0	-19	12.55	2.28
1	0	-18	0.06	1.02
-1	0	18	2.44	1.62

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-1	0	17	4.00	1.57
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-1	0	16	1.19	1.26
-1	0	15	-0.51	1.10
1	0	-15	0.88	0.87
-1	0	14	-0.05	0.91
1	0	-14	-1.33	1.03
-1	0	13	20.22	2.08
1	0	-13	19.39	2.09
1	0	-12	0.15	0.98
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1	0	-10	0.63	0.83
1	0	-9	3.80	0.85
-1	0	9	3.68	0.63
1	0	-8	-0.83	0.77
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-1	0	7	5.26	0.63
1	0	-7	5.24	0.88
-1	0	6	-0.73	0.63
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1	0	-6	0.18	0.65
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1	0	-5	70.40	2.40
1	0	-4	1.36	0.51
1	0	-3	22.67	1.04
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-1	0	-2	1.31	0.41
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-1	0	-3	33.12	1.23
1	0	4	-0.57	0.51
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-1	0	-13	0.99	0.80
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1	0	14	-0.48	0.89
1	0	15	34.18	2.70
-1	0	-15	34.04	2.85
1	0	16	-1.46	1.13

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-1	1	6	123.13	2.78
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-1	-1	-2	106.94	2.22
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-1	1	-2	110.32	2.49
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-1	-1	-12	0.54	0.81
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1	1	15	1.56	1.08
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1	-1	16	28.06	2.53
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1	-2	-19	6.04	1.70
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-1	2	7	5.99	1.05
-1	2	6	1080.05	19.00
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1	2	-6	1041.47	19.11
1	-2	-6	1050.76	18.75
1	-2	-5	46.04	1.76
-1	2	5	43.35	1.16
1	2	-5	42.99	1.93
-1	2	5	45.51	1.75
1	2	-4	448.87	8.81
1	-2	-4	464.67	8.46
-1	2	4	479.45	8.52
1	2	-3	0.97	0.47
-1	2	3	1.04	0.33
1	-2	-3	1.38	0.37
1	-2	-3	0.89	0.47
1	-2	-2	465.03	8.12
1	2	-2	446.60	8.15
-1	2	2	477.82	7.72
1	-2	-2	474.99	7.70
1	-2	-1	32.78	0.99
1	2	-1	16.33	0.81
-1	2	0	75.76	2.02
-1	-2	0	119.57	2.27
-1	-2	-1	6.40	0.50
-1	-2	-1	6.85	0.57
-1	2	-1	5.79	0.52
-1	2	-2	737.34	11.31
-1	-2	-2	647.91	11.02
-1	-2	-3	98.53	2.36
1	2	3	94.91	2.32
-1	-2	-3	97.25	2.31
-1	2	-3	99.08	2.58
-1	-2	-4	25.85	1.15
1	-2	4	25.55	1.29
1	2	4	25.97	1.18
1	2	4	24.37	1.13
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1	-2	5	39.44	1.73
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1	2	5	37.94	1.50
1	2	5	37.99	1.59
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-1	2	-6	37.13	2.01
-1	-2	-6	40.55	1.57
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1	2	7	83.74	2.85
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-1	2	-7	88.48	3.33
-1	-2	-7	83.81	2.60
-1	-2	-8	26.48	1.46
-1	-2	-8	27.13	1.84
1	2	8	28.15	1.48
1	2	8	27.10	1.65
-1	2	-8	28.39	2.05
-1	-2	-9	20.81	1.75
1	2	9	22.00	1.59
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-1	-2	-10	48.50	2.74
-1	2	-10	53.39	3.01
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-1	2	-12	9.25	1.42
-1	2	-13	3.93	1.12
1	-2	13	4.19	1.12
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1	2	14	7.64	1.39
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1	2	15	6.01	1.43
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-1	2	-18	-1.71	1.28
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-1	-3	16	0.92	1.17

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-1	3	13	101.78	4.40
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1	-3	-11	138.20	4.72
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-1	3	10	1.32	0.97
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1	-3	-9	148.86	4.58
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1	3	-8	0.78	0.66
1	-3	-8	-0.56	0.65
-1	3	8	-0.10	0.31
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1	-3	-2	1.21	0.23
1	-3	-1	436.25	23.85
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1	3	4	43.59	1.48
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-1	-3	-7	567.58	10.42
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1	3	8	18.73	1.21
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-1	-3	-12	27.22	2.28
-1	3	-13	-0.16	0.98
1	3	13	-0.70	0.89
-1	-3	-13	-0.24	0.85
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1	3	14	1.37	1.03
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-1	-3	-16	3.23	1.22
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-1	-3	-18	2.11	1.08
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-1	-3	-19	-0.92	1.15
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1	4	-16	0.23	1.02
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1	4	-15	5.90	1.56
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1	4	-12	41.72	2.87
1	-4	-12	41.05	2.61
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1	4	-11	17.19	1.79
1	-4	-11	18.03	1.65
-1	4	11	15.86	1.74
1	-4	-10	90.76	3.47
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-1	4	10	82.44	3.54
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1	-4	-8	69.05	2.63
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1	-4	-7	3.42	0.67
1	4	-7	4.69	0.97
1	-4	-6	182.90	4.07
1	4	-6	174.57	4.61
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1	-4	-5	0.98	0.47
1	-4	-4	27.55	1.46
1	4	-4	27.62	1.50
1	-4	-4	27.81	1.10
-1	4	3	0.11	0.26
1	-4	-3	0.34	0.24
1	-4	-3	-0.43	0.67
1	4	-3	0.07	0.47
1	4	-2	47.37	1.64

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1	5	-17	0.26	1.08
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1	-6	-8	86.43	2.99
1	6	-7	9.25	1.21
1	-6	-7	9.62	0.89
1	-6	-7	8.53	0.43
1	-6	-6	4.34	0.30
1	-6	-6	4.33	0.58
1	6	-6	5.01	0.89
1	6	-5	0.87	0.69
1	-6	-5	0.71	0.35
1	-6	-5	0.24	0.19
1	6	-4	95.35	3.02
-1	6	4	93.98	2.95
-1	-6	4	92.67	3.03
1	-6	-4	94.47	2.13
-1	-6	3	1.58	0.58
-1	6	3	1.80	0.69
1	6	-3	0.66	0.54
1	-6	-2	191.62	4.21
-1	-6	2	183.85	4.18
1	6	-2	170.67	4.12
-1	6	2	188.49	4.24
-1	6	1	0.43	0.46
1	-6	-1	0.00	0.53

-1	-6	1	-0.29	0.75
-1	-6	1	0.47	0.36
1	6	-1	0.45	0.41
-1	6	0	755.94	12.95
1	6	0	731.89	12.53
-1	6	0	735.74	12.25
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1	-6	0	737.67	12.94
-1	-6	0	732.04	13.18
-1	-6	-1	14.06	0.73
-1	-6	-1	15.58	1.18
-1	6	-1	13.72	0.81
-1	-6	-2	312.26	6.58
-1	6	-2	309.92	6.24
-1	6	-3	3.87	0.76
-1	-6	-4	72.28	2.20
-1	6	-4	81.95	2.77
-1	-6	-5	9.14	0.84
-1	6	-5	11.56	1.19
-1	-6	-6	198.12	4.36
-1	6	-6	193.38	5.40
-1	6	-7	8.87	1.25
-1	-6	-7	7.50	0.76
-1	-6	-8	3.31	0.63
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-1	6	-8	3.54	0.98
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-1	-6	-9	98.18	3.62
-1	-6	-9	97.84	2.85
-1	6	-9	92.11	3.95
-1	-6	-10	5.18	1.04
-1	-6	-10	5.50	0.82
-1	6	-10	6.40	1.33
-1	6	-11	-1.45	1.06
-1	-6	-11	-0.02	0.72
-1	-6	-11	0.55	0.51
-1	-6	-12	8.41	1.25
-1	6	-12	6.54	1.30
-1	6	-13	12.45	1.95
-1	-6	-13	8.81	1.38
-1	6	-14	0.55	0.88
-1	-6	-14	2.00	0.95
-1	-6	-15	8.45	1.45
-1	6	-15	6.51	1.64
-1	6	-16	-0.41	1.00
-1	-6	-16	0.90	1.12
-1	6	-17	16.24	2.42
-1	-6	-17	12.21	1.92
-1	-6	-18	-1.01	1.21
-1	-7	19	2.13	1.56
1	-7	-17	0.69	1.00
1	7	-17	0.63	1.18
1	7	-16	8.16	1.83
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1	7	-15	1.17	1.22
1	-7	-15	-0.01	0.78
1	-7	-14	0.48	0.84
1	7	-14	2.42	1.30

1	7	-13	7.45	1.47
1	-7	-13	9.70	1.40
1	7	-12	54.57	3.43
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1	7	-11	21.25	2.10
1	-7	-11	22.92	1.77
1	7	-10	23.91	2.09
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1	7	-9	144.09	5.02
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1	7	-8	2.39	0.87
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1	-7	-7	7.19	0.41
1	7	-7	6.96	1.09
1	-7	-6	0.78	0.36
1	-7	-6	0.55	0.21
1	7	-6	0.81	0.68
1	7	-5	52.19	2.30
1	-7	-5	51.53	1.54
1	-7	-5	41.39	1.26
1	7	-4	19.15	1.35
1	-7	-4	20.63	0.75
1	7	-3	24.84	1.43
-1	7	3	27.41	1.47
-1	-7	3	26.08	1.41
-1	-7	2	0.21	0.42
1	7	-2	0.31	0.48
1	-7	-2	0.60	0.73
-1	7	2	0.29	0.64
-1	-7	1	274.21	5.50
-1	7	1	281.45	5.80
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-1	-7	1	271.70	6.01
1	7	-1	264.95	5.39
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-1	-7	0	8.25	1.01
1	7	0	9.35	0.68
-1	-7	0	8.92	0.68
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-1	7	-1	40.52	1.44
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-1	7	-3	26.69	1.44
-1	7	-4	64.10	2.46
-1	-7	-4	61.42	2.00
-1	-7	-5	46.20	1.70
-1	7	-5	47.81	2.23
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-1	7	-6	62.40	2.78
-1	7	-7	13.68	1.47
-1	-7	-7	14.11	0.96
-1	-7	-8	54.74	2.01
-1	7	-8	59.68	3.00

-1	7	-9	19.00	1.84
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-1	-7	-13	24.30	2.10
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-1	7	-16	13.32	2.19
-1	-7	-16	17.13	2.13
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1	8	-14	5.45	1.40
1	-8	-14	5.13	1.09
1	-8	-13	5.65	1.05
1	8	-13	5.34	1.40
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1	8	-12	25.64	2.42
1	-8	-11	19.63	1.63
1	8	-11	20.45	2.08
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1	-8	-8	62.68	1.49
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1	8	-7	12.64	1.37
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1	-8	-2	456.46	9.00
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-1	-8	2	448.89	9.18
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-1	8	1	33.88	1.62
-1	-8	1	32.80	1.83
1	8	-1	31.73	1.35
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-1	-8	-4	221.42	4.90
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-1	-8	-8	56.93	2.05
-1	8	-9	29.82	2.27
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-1	-8	-16	-1.22	0.97
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-1	8	-17	14.83	2.33
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1	-9	-14	7.05	1.26
1	9	-13	23.73	2.55
1	-9	-13	22.38	1.88

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1	-9	-7	46.74	1.36
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-1	-9	-1	136.91	3.05
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-1	-9	-9	51.05	2.01
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1	-10	-7	0.37	0.26
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-1	-11	-10	1.19	0.61
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-1	11	-11	0.85	1.03
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-1	-11	-12	7.51	1.18
-1	11	-13	19.40	2.37
-1	11	-14	7.96	1.60
-1	11	-15	3.98	1.52
-1	11	-16	1.31	1.29
1	12	-16	1.76	1.28
1	12	-15	2.83	1.44
1	12	-14	9.41	1.95

1	12	-13	6.14	1.37
1	12	-12	3.12	1.10
1	12	-11	12.29	1.76
1	12	-10	4.25	1.16
1	-12	-10	4.03	0.72
1	12	-9	4.03	1.17
1	-12	-9	4.65	0.65
1	-12	-8	114.88	2.85
1	12	-8	124.62	4.77
1	-12	-8	122.57	3.08
1	-12	-7	1.36	0.30
1	-12	-7	1.17	0.44
1	12	-7	0.27	0.77
1	12	-6	1.03	0.66
1	12	-5	1.11	0.71
-1	-12	4	111.40	4.13
1	12	-4	108.01	3.70
-1	-12	3	4.22	1.08
1	-12	-3	5.20	1.07
1	12	-3	4.48	0.79
-1	-12	2	12.79	1.10
1	12	-2	12.25	1.03
1	-12	-2	11.44	1.18
-1	-12	2	13.97	1.49
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1	12	-1	-0.03	0.36
-1	12	1	-0.09	0.17
-1	-12	1	0.67	0.88
1	-12	-1	0.52	0.83
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-1	12	0	523.00	9.29
-1	-12	0	517.51	9.70
1	-12	0	523.81	10.83
1	12	0	512.99	9.59
-1	12	-1	5.76	0.62
1	-12	1	7.15	1.08
-1	-12	-1	5.26	0.57
-1	-12	-1	7.44	1.14
-1	12	-2	38.31	1.78
-1	-12	-2	38.56	1.39
1	-12	2	36.71	2.18
-1	-12	-2	36.65	2.25
-1	12	-3	7.43	0.86
1	-12	3	7.66	1.18
-1	-12	-3	8.47	1.33
-1	-12	-3	6.99	0.56
-1	12	-4	84.33	3.19
-1	-12	-4	84.82	3.58
-1	-12	-4	89.97	2.34
-1	12	-5	2.60	0.82
-1	-12	-6	54.39	2.23
-1	12	-6	56.92	2.83
-1	-12	-7	0.43	0.54
-1	12	-7	0.03	0.72
-1	-12	-8	3.74	0.67
-1	12	-8	2.72	0.93
-1	-12	-8	3.94	0.71
-1	12	-9	12.79	1.60

-1	-12	-9	12.09	1.16
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-1	-12	-10	0.52	0.60
-1	12	-10	1.09	1.03
-1	12	-11	1.85	0.91
-1	-12	-11	1.33	0.72
-1	12	-12	7.31	1.58
-1	12	-13	0.24	1.02
-1	12	-14	4.66	1.58
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1	13	-15	1.68	1.27
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1	13	-13	3.99	1.29
1	13	-12	18.42	2.20
1	13	-11	1.53	0.88
1	13	-10	10.88	1.68
1	13	-9	0.15	0.81
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1	-13	-8	1.71	0.47
1	13	-7	59.27	3.08
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1	-13	-7	55.65	1.95
1	13	-6	-0.22	0.64
1	13	-5	0.38	0.63
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-1	-13	3	13.23	1.46
1	13	-3	13.19	1.22
1	-13	-3	11.37	1.35
1	13	-2	0.06	0.40
1	-13	-2	-1.59	0.80
-1	-13	2	-1.73	1.09
1	-13	-1	68.90	3.02
1	13	-1	67.13	2.38
-1	-13	1	75.39	3.30
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-1	-13	1	65.52	2.40
1	-13	0	19.61	1.68
-1	-13	0	20.05	1.77
-1	13	0	18.87	0.97
-1	-13	0	16.56	1.10
1	-13	1	344.11	8.02
-1	-13	-1	333.49	8.14
-1	-13	-1	325.46	6.47
-1	13	-1	323.70	6.68
-1	-13	-2	2.10	0.40
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-1	-13	-4	8.77	0.64
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-1	13	-7	41.10	2.53
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-1	-13	-8	10.61	1.05
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-1	13	-9	2.34	1.03
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1	14	-15	9.86	1.94
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1	14	-13	1.08	1.11
1	14	-12	6.65	1.35
1	14	-11	4.25	1.29
1	14	-10	15.23	1.89
1	14	-9	16.90	1.89
1	14	-8	26.21	2.21
1	-14	-8	22.52	1.20
1	-14	-7	11.65	0.92
1	14	-7	12.57	1.51
1	14	-6	11.19	1.40
1	14	-5	1.50	0.73
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-1	-14	4	2.15	0.92
1	14	-4	2.65	0.71
1	-14	-4	3.90	1.13
1	-14	-3	1.36	0.91
1	14	-3	3.38	0.75
-1	-14	3	1.45	0.85
1	-14	-2	0.48	0.87
-1	-14	2	-1.34	0.98
1	14	-2	1.13	0.53
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-1	-14	0	2.68	0.99
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-1	-14	-1	11.67	1.50
-1	14	-1	12.27	0.97
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-1	-14	-1	10.84	0.84
-1	14	-2	7.51	0.82
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1	-14	2	4.66	1.01

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-1	14	-5	19.77	1.68
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-1	14	-6	1.80	0.84
-1	-14	-7	5.41	0.89
-1	14	-7	5.26	1.16
-1	-14	-8	1.04	0.62
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-1	14	-15	-0.80	1.10
1	15	-15	0.99	1.20
1	15	-14	2.69	1.22
1	15	-13	-0.06	0.85
1	15	-12	0.36	0.89
1	15	-11	3.59	1.21
1	15	-10	5.64	1.31
1	15	-9	33.78	2.66
1	15	-8	7.43	1.31
1	15	-7	11.82	1.49
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1	-15	-4	-0.49	0.85
1	15	-4	-1.04	0.65
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1	-15	-3	4.84	1.17
1	-15	-2	3.28	1.14
1	15	-2	4.05	0.73
-1	-15	2	4.92	1.08
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-1	15	-1	4.89	0.63
-1	-15	-1	4.43	1.28
1	-15	1	4.78	1.21
-1	-15	-1	3.75	0.57
-1	-15	-2	-0.07	0.27

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1	-15	3	18.66	1.84
-1	-15	-3	15.73	0.84
-1	15	-3	16.61	1.36
-1	-15	-3	18.54	1.88
-1	15	-4	9.53	1.16
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1	-15	4	11.39	1.53
-1	15	-5	9.49	1.23
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-1	-15	-6	1.68	0.73
-1	-15	-7	9.28	1.05
-1	15	-7	9.36	1.37
-1	15	-8	4.53	1.10
-1	-15	-8	3.42	0.80
-1	15	-9	3.79	1.29
-1	15	-10	0.20	0.88
-1	15	-11	0.75	0.86
-1	15	-12	15.04	2.05
-1	15	-13	1.42	1.01
-1	15	-14	13.79	2.16
1	16	-14	1.87	1.29
1	16	-13	5.72	1.54
1	16	-12	1.73	1.28
1	16	-11	-1.83	1.06
1	16	-10	-0.58	0.95
1	16	-9	2.50	0.94
1	16	-8	3.19	0.98
1	16	-7	18.79	1.86
-1	-16	6	52.70	3.32
1	16	-6	54.52	3.03
1	16	-5	6.67	1.07
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-1	-16	4	13.85	1.89
1	16	-4	11.28	1.24
1	-16	-4	12.10	1.58
1	-16	-3	-1.40	1.20
1	16	-3	1.02	0.59
-1	-16	3	0.86	0.95
-1	-16	2	112.75	4.65
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1	16	-2	109.45	3.58
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-1	-16	0	98.61	3.04
-1	16	0	100.87	2.71
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-1	-16	-1	3.53	0.56
-1	16	-1	3.45	0.61
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1	-16	2	12.89	1.68

-1	16	-2	15.90	1.21
-1	-16	-3	2.69	1.27
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1	17	-11	1.12	0.86
1	17	-10	0.61	0.90
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1	-17	-4	11.41	1.61
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1	-17	-3	-0.12	1.00
1	-17	-2	10.84	1.64
1	17	-2	9.59	1.10
-1	-17	2	11.28	1.64
1	-17	-1	5.17	1.22
-1	-17	1	2.18	0.98
1	17	-1	6.63	0.84
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-1	17	0	16.71	0.98
-1	-17	0	23.55	2.26
-1	-17	-1	198.90	6.57
-1	17	-1	196.06	4.73
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-1	17	-14	2.19	1.42
1	18	-14	1.96	1.26
1	18	-13	-0.51	1.06
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1	19	-3	7.23	1.08
1	-19	-3	8.99	1.57
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1	20	-10	2.22	1.08
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-1	-20	8	29.45	2.94
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1	20	-7	1.24	0.80
1	20	-6	0.21	0.65
-1	-20	6	-1.13	1.29
1	20	-5	-0.06	0.62
-1	-20	5	1.14	1.28
-1	-20	4	3.91	1.43
1	-20	-4	3.08	1.21
1	20	-4	4.33	0.95
1	-20	-3	0.40	1.09
-1	-20	3	2.37	1.33
1	20	-3	0.14	0.51
-1	-20	2	1.34	1.27
1	-20	-2	-0.76	1.17
1	-20	-1	-0.75	1.23
-1	-20	1	0.17	1.15
1	-20	0	0.74	1.03
-1	-20	0	3.56	1.38
1	-20	1	3.66	1.49
-1	-20	-1	4.71	1.48
-1	-20	-2	2.29	1.31
1	-20	2	7.21	1.59
-1	-20	-3	0.81	1.26
1	-20	3	1.74	1.23
-1	20	-4	1.25	0.68
-1	-20	-4	-0.02	1.10
1	-20	4	0.03	1.15
1	-20	5	0.07	1.27
-1	20	-5	0.10	0.70
1	-20	6	2.32	1.19
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1	-20	7	1.03	1.05
-1	20	-7	1.71	0.87
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1	-20	8	3.80	1.62
1	-20	9	2.12	1.58
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-1	20	-10	0.18	0.93
-1	20	-11	1.02	1.26
-1	20	-12	-0.17	1.01
-1	20	-13	1.75	1.26
1	21	-12	0.23	1.03
1	21	-11	2.15	1.24
-1	-21	11	0.45	1.43
1	21	-10	-0.23	0.92
-1	-21	10	1.84	1.32
-1	-21	9	3.70	1.42
1	21	-9	3.78	1.24

1	21	-8	2.31	1.01
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-1	-21	7	3.37	1.50
1	21	-7	3.74	1.11
1	21	-6	0.08	0.65
-1	-21	6	-0.24	1.33
-1	-21	5	3.06	1.49
1	21	-5	-0.17	0.72
-1	-21	4	-0.95	1.26
1	-21	-4	0.46	1.15
-1	-21	3	2.58	1.41
1	-21	-3	3.13	1.26
1	-21	-2	0.67	1.11
-1	-21	2	1.00	1.10
1	-21	-1	4.67	1.58
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-1	-21	0	1.12	1.17
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-1	-21	-2	1.18	1.15
1	-21	2	-0.18	0.98
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-1	-21	-3	3.32	1.57
1	-21	4	2.29	1.34
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-1	21	-10	-0.94	1.03
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1	22	-12	1.42	1.09
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-1	-22	10	5.66	1.78
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1	-22	3	-2.26	1.17
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-1	-23	3	-2.78	1.57
1	-23	-3	3.37	1.57
1	-23	-2	1.41	1.41
-1	-23	2	-1.71	1.40
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-1	-23	-1	9.27	2.09
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1	-23	3	0.49	1.29
1	-23	4	3.55	1.52
-1	-23	-4	0.77	1.24
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1	-23	6	-1.32	1.38
1	-23	7	-1.04	1.52
1	-23	8	-1.40	1.27
1	-23	9	1.02	1.18
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-1	-24	5	2.19	1.36
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1	-24	-4	2.92	1.45
-1	-24	3	0.16	1.09
1	-24	-3	1.48	1.17
1	-24	-2	4.84	1.65
-1	-24	2	5.15	1.66

-1	-24	1	-0.01	1.34
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1	-24	3	-0.68	1.25
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-1	-24	-4	3.58	1.52
1	-24	4	1.24	1.16
1	-24	5	-2.31	1.43
1	-24	6	-0.49	1.28
1	-24	7	0.92	1.46
1	-24	8	3.36	1.62
-1	-25	6	-3.16	1.44
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-1	-25	4	2.71	1.57
-1	-25	3	1.92	1.63
1	-25	-3	3.54	1.50
-1	-25	2	-0.95	1.51
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1	-25	2	-2.24	1.34
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-1	-25	-3	-1.53	1.46
1	-25	4	1.33	1.55
1	-25	5	8.45	1.93
1	-25	6	0.97	1.32
1	-25	7	1.01	1.42
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1	-26	-1	-1.36	1.60
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1	-26	1	-1.48	1.42
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1	-26	2	2.05	1.54
1	-26	3	2.84	1.61
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1	-26	4	-0.06	1.54
1	-26	5	1.54	1.62
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1	-27	0	-0.68	1.40

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2	0	-16	1.43	1.17
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2	0	-14	6.47	1.42
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2	0	-9	-0.03	0.69
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2	0	-5	0.44	0.60
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2	0	-3	0.30	0.42
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2	0	7	-0.33	0.53
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2	-2	-3	0.64	0.38
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2	-2	-2	762.12	12.82
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2	-2	-2	761.77	12.54
-2	2	2	769.82	12.23
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2	-2	-1	20.46	0.88
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2	-2	-1	20.17	0.83
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2	-2	0	206.38	3.83
-2	-2	0	219.35	4.29
-2	-2	0	213.60	4.07
-2	2	0	215.62	4.16
-2	2	-1	12.96	0.87
-2	-2	-1	12.47	0.85
-2	2	-2	50.37	1.77
-2	-2	-2	52.17	1.74
-2	-2	-3	70.97	1.85
-2	-2	-3	69.88	2.16
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-2	-2	-4	52.50	1.66
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-2	-2	-4	51.31	1.86
-2	2	-4	52.52	2.04

-2	2	-5	86.81	2.87
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-2	-2	-6	5.45	0.76
-2	2	-6	4.87	0.89
2	2	6	4.39	0.69
2	2	6	4.41	0.73
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-2	-2	-7	26.68	1.52
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2	2	9	24.22	1.59
2	2	10	15.64	1.42
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-2	-2	-10	18.23	1.49
-2	2	-10	17.91	1.88
-2	-2	-11	10.21	1.23
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2	-2	11	10.44	1.24
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-2	-2	-13	18.15	2.09
2	-2	13	22.08	1.99
2	2	13	23.43	1.99
-2	2	-13	22.38	2.28
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-2	2	-14	0.77	1.00
-2	-2	-14	3.63	1.25
2	2	15	-0.29	1.01
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-2	-2	-18	1.85	1.53
-2	3	19	-0.54	1.40
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2	3	-13	38.39	2.83
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-2	-6	-1	-0.60	0.69
-2	-6	-2	6.66	1.02
-2	-6	-3	6.58	0.89

-2	-6	-4	31.01	1.49
-2	-6	-5	0.09	0.53
-2	6	-5	0.59	0.62
2	6	6	100.88	3.08
-2	6	-6	108.11	3.83
-2	-6	-6	107.90	3.11
-2	-6	-7	6.92	0.85
-2	6	-7	6.07	1.14
-2	6	-8	17.79	1.76
-2	-6	-8	16.47	1.22
-2	6	-9	2.66	1.06
-2	-6	-9	2.22	0.72
-2	6	-10	-0.21	0.77
-2	-6	-10	0.97	0.73
-2	-6	-11	19.37	1.48
-2	6	-11	18.34	2.01
-2	-6	-11	16.99	1.74
-2	-6	-12	4.84	1.23
-2	6	-12	7.45	1.53
-2	-6	-12	5.27	0.98
-2	-6	-13	7.06	1.36
-2	6	-13	6.92	1.50
-2	6	-14	-0.60	0.90
-2	-6	-14	0.64	0.83
-2	6	-15	2.20	1.10
-2	-6	-15	2.34	1.12
-2	6	-16	0.88	1.22
-2	-6	-16	2.67	1.36
-2	-6	-17	0.41	1.06
-2	6	-17	3.86	1.68
-2	-6	-18	0.00	0.97
2	-7	-17	0.30	0.92
2	7	-17	-0.11	1.23
2	7	-16	2.82	1.46
2	-7	-16	3.47	1.19
2	-7	-15	5.62	1.26
2	7	-15	6.56	1.53
2	-7	-14	2.40	0.90
2	7	-14	5.15	1.47
2	7	-13	-0.20	0.99
2	-7	-13	-0.25	0.70
-2	7	12	13.71	1.84
2	7	-12	13.52	1.78
2	-7	-12	12.27	1.43
2	-7	-11	17.67	1.55
2	7	-11	18.95	2.04
-2	7	11	17.42	1.91
2	-7	-10	28.07	1.82
2	7	-10	30.03	2.39
2	7	-9	46.23	2.73
2	-7	-9	45.88	2.18
2	-7	-8	16.62	1.22
2	7	-8	15.39	1.62
2	7	-7	64.99	2.95
2	-7	-7	62.69	2.18
2	-7	-6	1.70	0.40
2	7	-6	1.31	0.69
2	-7	-5	42.97	1.05

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2	7	-5	44.30	2.19
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2	-7	-4	0.00	0.19
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-2	-7	2	2.05	0.96
-2	-7	2	1.20	0.52
2	-7	-2	1.04	0.58
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2	-7	1	220.56	4.89
-2	-7	-1	225.74	5.33
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-2	-7	-5	1.03	0.56
-2	7	-5	1.29	0.68
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-2	-7	-15	-1.24	0.94
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-2	-7	-16	4.84	1.38
-2	7	-16	4.35	1.64

-2	-7	-17	1.02	1.06
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2	8	-8	1.41	0.90
2	8	-7	0.57	0.64
2	-8	-7	1.46	0.42
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2	8	-6	76.69	3.22
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2	-8	-5	1.85	0.29
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-2	-8	2	17.32	1.41
-2	-8	2	20.09	1.24
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-2	-8	-2	31.29	1.91
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-2	-8	-4	190.25	4.75
-2	8	-4	202.39	5.22
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-2	-8	-8	35.54	1.79
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-2	-8	-14	1.22	0.88
-2	8	-14	0.87	1.11
-2	-8	-15	1.05	0.93
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2	9	-8	12.56	1.52
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-2	-9	-2	18.44	1.62
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-2	-9	-3	18.68	1.56
-2	9	-4	10.16	1.09
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-2	-9	-5	524.72	10.22
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-2	-9	-6	55.67	2.23
-2	9	-6	56.59	2.78
-2	-9	-7	1.56	0.64
-2	9	-7	0.82	0.84
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-2	9	-9	57.92	3.26
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-2	-9	-11	9.58	1.05
-2	9	-11	9.94	1.59
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2	10	-12	19.78	2.21
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-2	12	-14	1.02	1.01
-2	12	-15	1.88	1.45
2	13	-16	-0.43	1.20
2	13	-15	-0.78	1.25
2	13	-14	3.62	1.49
2	13	-13	1.77	1.13
2	13	-12	4.69	1.41
2	13	-11	19.16	2.26
2	13	-10	-0.14	0.81
2	13	-9	54.76	3.25
2	13	-8	0.16	0.66
2	13	-7	26.92	2.12
2	13	-6	1.34	0.83
-2	-13	5	63.97	3.28
2	13	-5	66.16	3.05
2	13	-4	0.41	0.53
-2	-13	4	0.61	0.97
2	13	-3	15.36	1.35
2	-13	-3	17.50	1.57
-2	-13	3	15.89	1.67
-2	-13	2	2.03	1.05
2	-13	-2	2.59	0.92
2	13	-2	2.17	0.62
2	-13	-1	19.32	1.51
2	13	-1	16.88	1.23
-2	13	1	18.21	0.76
-2	-13	1	19.99	1.78
-2	-13	0	16.97	1.75
-2	13	0	15.48	0.90
-2	-13	0	17.08	1.19
2	-13	0	17.88	1.53
2	-13	1	2.62	0.83
-2	-13	-1	2.79	0.55
-2	-13	-1	1.45	0.96
-2	13	-1	2.17	0.52
2	-13	2	20.02	1.66
-2	13	-2	18.25	1.27
-2	-13	-2	19.02	1.16
-2	-13	-2	20.33	1.88
2	-13	3	6.47	1.09
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-2	-13	-4	0.18	0.36
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-2	13	-5	49.07	2.48
-2	-13	-5	34.93	2.20

-2	13	-6	23.07	1.88
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-2	13	-8	5.72	1.14
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-2	-13	-9	9.06	1.06
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-2	13	-10	22.64	2.30
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2	14	-15	1.01	1.08
2	14	-14	2.26	1.11
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2	14	-10	10.39	1.63
2	14	-9	11.23	1.57
2	14	-8	5.73	1.25
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2	14	-3	1.76	0.64
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2	14	-2	51.44	2.32
2	14	-1	5.41	0.78
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-2	-14	1	5.59	1.31
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-2	-14	0	97.55	4.04
2	-14	0	92.41	3.62
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-2	-14	-2	46.30	1.86
-2	14	-2	46.93	2.06
-2	-14	-2	43.41	2.73
2	-14	2	44.89	2.54
-2	-14	-3	1.36	0.41
-2	14	-3	1.19	0.52
2	-14	3	2.38	0.97
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-2	-14	-4	27.16	1.38
2	-14	4	29.76	2.22

-2	14	-4	28.54	1.84
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-2	-14	-5	0.89	0.70
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-2	14	-6	68.30	3.28
-2	-14	-6	67.67	2.86
-2	-14	-7	1.85	0.68
-2	14	-7	3.73	1.03
-2	14	-8	13.83	1.62
-2	-14	-8	10.35	1.27
-2	-14	-9	1.42	0.63
-2	14	-9	3.61	1.18
-2	14	-10	24.03	2.32
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2	15	-9	21.27	2.11
2	15	-8	-0.65	0.76
2	15	-7	18.62	1.87
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2	15	-5	2.56	0.81
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-2	-15	3	38.28	2.63
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-2	-15	2	2.73	1.17
2	-15	-2	1.21	0.81
2	15	-2	1.95	0.65
-2	-15	1	48.25	2.89
2	-15	-1	43.87	2.50
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-2	15	1	40.45	1.21
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-2	15	-3	1.34	0.61
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-2	15	-7	3.75	1.02
-2	-15	-8	0.38	0.66
-2	15	-8	0.10	0.88
-2	15	-9	22.75	2.20
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2	16	-15	0.60	1.25
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2	16	-11	18.89	2.24
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-2	-16	4	13.38	1.66
2	-16	-4	12.68	1.55
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2	-16	-3	2.47	0.97
-2	-16	2	140.88	5.31
2	-16	-2	146.76	5.12
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-2	-16	1	0.99	0.94
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2	-16	0	275.45	7.33
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-2	-16	-1	4.06	1.35
-2	16	-2	21.09	1.43
-2	-16	-2	25.19	2.30
2	-16	2	24.37	2.05
-2	-16	-3	0.10	1.09
-2	16	-3	1.01	0.61
2	-16	3	-0.13	0.91
-2	16	-4	-0.39	0.62
2	-16	4	0.90	0.98
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-2	16	-5	4.01	0.95
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-2	16	-6	21.79	1.86
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-2	-16	-8	4.45	1.01
-2	16	-8	7.81	1.35
-2	16	-9	9.61	1.56
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-2	16	-11	6.26	1.50
-2	16	-12	1.10	1.00
-2	16	-13	3.65	1.36
-2	16	-14	0.30	1.08
2	17	-14	2.88	1.47
2	17	-13	-0.02	1.15
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2	17	-7	23.28	2.12
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2	17	-5	4.80	1.01
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-2	-17	4	0.53	0.96
2	17	-4	0.28	0.63
2	-17	-4	1.72	1.09
2	-17	-3	18.23	1.90
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-2	-17	2	2.22	1.28
2	17	-2	0.05	0.50
2	-17	-2	0.67	0.98
-2	-17	1	-0.29	1.05
2	-17	-1	1.23	0.92
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-2	-17	0	16.05	1.87
-2	17	0	12.24	0.82
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-2	-17	-1	0.33	1.10
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-2	-17	-3	8.50	1.63
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-2	17	-4	3.98	0.92
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2	-17	6	18.06	2.05
-2	-17	-6	14.87	1.58
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-2	-17	-7	0.82	0.73

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-2	17	-11	0.35	1.05
-2	17	-12	5.35	1.51
-2	17	-13	1.10	1.21
2	18	-14	-0.04	1.00
2	18	-13	0.51	1.08
2	18	-12	7.05	1.60
2	18	-11	4.45	1.22
2	18	-10	20.81	2.32
2	18	-9	2.60	1.12
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-2	-18	6	45.10	3.25
2	18	-6	41.97	2.66
-2	-18	5	5.07	1.38
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-2	-18	4	1.57	1.22
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2	-18	-4	2.17	1.18
2	18	-3	0.55	0.54
2	-18	-3	1.05	1.01
2	18	-2	27.54	1.82
2	-18	-2	28.49	2.40
-2	-18	2	27.20	2.42
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2	-18	0	2.41	1.03
-2	-18	0	5.05	1.50
2	-18	1	0.67	0.93
-2	18	-1	1.32	0.50
-2	-18	-1	2.21	1.25
-2	18	-2	6.99	0.88
2	-18	2	6.21	1.26
-2	-18	-2	7.42	1.60
-2	18	-3	2.04	0.66
2	-18	3	1.50	1.06
-2	-18	-3	3.17	1.40
-2	18	-4	1.23	0.62
2	-18	4	1.31	0.96
-2	-18	-4	2.52	1.33
-2	18	-5	8.06	1.19
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-2	-18	-7	1.69	0.84
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2	19	-13	1.37	1.06
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2	19	-11	2.36	1.09
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2	19	-9	-1.89	1.08
-2	-19	8	1.74	1.36
2	19	-8	3.07	1.11
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-2	-19	6	2.85	1.39
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2	19	-5	10.57	1.38
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-2	-20	10	2.29	1.34

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-2	-20	-4	10.67	1.94
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2	21	-12	-1.99	1.33
2	21	-11	13.08	2.02
-2	-21	11	14.91	2.48
2	21	-10	1.13	1.05
-2	-21	10	2.40	1.55
-2	-21	9	1.31	1.08
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-2	-21	7	5.14	1.80
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2	21	-6	-1.02	0.86
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-2	-21	-2	0.48	1.24
2	-21	2	1.92	1.12
2	-21	3	1.08	1.28
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2	-21	10	2.58	1.60
-2	21	-10	1.37	1.25
-2	21	-11	0.24	1.00
-2	21	-12	2.13	1.24
2	22	-12	0.36	1.06
2	22	-11	5.61	1.49
2	22	-10	3.21	1.18
-2	-22	10	2.63	1.43
2	22	-9	-1.77	0.83
-2	-22	9	-1.46	1.34
-2	-22	8	1.91	1.69
2	22	-8	-0.57	0.93
-2	-22	7	-0.45	1.45
2	22	-7	0.95	0.83
-2	-22	6	3.70	1.74
-2	-22	5	2.96	1.78
2	-22	-4	0.76	1.19
-2	-22	4	1.00	1.39
-2	-22	3	0.25	1.14
2	-22	-3	-1.07	1.21
-2	-22	2	0.25	1.22
2	-22	-2	-2.06	1.38
2	-22	-1	-0.94	1.22
-2	-22	1	-1.03	1.10
-2	-22	0	-0.20	1.42
2	-22	0	4.83	1.42
2	-22	1	0.20	1.20
-2	-22	-1	-0.17	1.37
-2	-22	-2	3.45	1.67
2	-22	2	8.12	1.67

2	-22	3	-1.14	1.11
-2	-22	-3	0.15	1.26
2	-22	4	2.88	1.38
-2	-22	-4	1.06	1.21
2	-22	5	1.63	1.28
2	-22	6	0.11	1.06
2	-22	7	-0.21	1.22
2	-22	8	2.43	1.62
2	-22	9	5.18	1.81
2	-22	10	5.41	1.82
2	23	-11	-0.35	0.89
2	23	-10	0.24	0.93
-2	-23	9	0.68	1.33
-2	-23	8	-2.42	1.46
-2	-23	7	2.07	1.48
-2	-23	6	1.04	1.31
-2	-23	5	1.85	1.45
-2	-23	4	-1.05	1.28
-2	-23	3	10.37	2.11
2	-23	-3	5.34	1.47
-2	-23	2	-1.52	1.41
2	-23	-2	-2.05	1.42
-2	-23	1	-1.10	1.11
2	-23	-1	2.53	1.39
-2	-23	0	-2.16	1.36
2	-23	0	0.54	1.22
-2	-23	-1	7.45	1.85
2	-23	1	5.25	1.45
-2	-23	-2	0.86	1.27
2	-23	2	1.73	1.31
2	-23	3	2.47	1.46
-2	-23	-3	1.00	1.31
2	-23	4	2.60	1.54
-2	-23	-4	2.59	1.67
2	-23	5	2.63	1.41
2	-23	6	-0.79	1.20
2	-23	7	-0.86	1.32
2	-23	8	1.62	1.41
2	-23	9	1.35	1.39
-2	-24	7	-0.03	1.49
-2	-24	6	3.11	1.44
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-2	-24	4	2.00	1.54
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2	-24	-2	3.53	1.54
2	-24	-1	-0.05	1.27
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2	-24	0	0.86	1.12
2	-24	1	1.89	1.48
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-2	-24	-2	-0.53	1.28
2	-24	2	-0.77	1.38
-2	-24	-3	3.37	1.74
2	-24	3	1.09	1.31
2	-24	4	0.48	1.11

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2	-24	6	1.48	1.26
2	-24	7	0.05	1.34
2	-24	8	0.43	1.24
-2	-25	5	5.07	2.10
-2	-25	4	-2.01	1.35
2	-25	-3	8.77	2.00
-2	-25	3	10.25	2.21
-2	-25	2	-1.22	1.42
2	-25	-2	3.53	1.64
2	-25	-1	6.98	1.86
-2	-25	1	4.57	1.81
2	-25	0	-0.67	1.30
-2	-25	0	2.18	1.66
-2	-25	-1	-0.15	1.35
2	-25	1	-1.42	1.53
2	-25	2	2.71	1.31
-2	-25	-2	-1.36	1.64
2	-25	3	-0.37	1.28
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2	-25	4	-0.01	1.35
2	-25	5	1.69	1.25
2	-25	6	1.88	1.38
2	-25	7	1.82	1.55
2	-26	-3	1.13	1.28
-2	-26	2	4.90	1.82
2	-26	-2	2.99	1.63
2	-26	-1	-3.21	1.48
-2	-26	1	-0.35	1.65
-2	-26	0	2.87	1.83
2	-26	0	3.60	1.72
-2	-26	-1	2.20	1.61
2	-26	1	0.40	1.19
2	-26	2	0.27	1.42
2	-26	3	2.51	1.64
2	-26	4	0.50	1.49
2	-26	5	-1.90	1.43
2	-27	-3	1.37	1.30
2	-27	-2	0.56	1.45
2	-27	-1	1.71	1.38
2	-27	0	2.11	1.54
2	-27	1	0.19	1.44
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-3	0	17	-0.84	1.29
3	0	-17	-0.81	1.00
-3	0	16	-0.01	1.22
3	0	-16	0.41	0.82
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-3	0	15	42.03	3.35
-3	0	14	0.87	1.03
3	0	-14	-0.50	0.77
-3	0	13	0.26	0.91
3	0	-13	0.87	0.86

3	0	-12	1.31	0.93
3	0	-11	7.20	1.18
-3	0	11	7.85	0.92
-3	0	10	-0.52	0.45
3	0	-10	-1.14	0.80
3	0	-9	0.03	0.68
3	0	-8	0.70	0.64
3	0	-7	51.91	2.39
3	0	-6	0.30	0.63
3	0	-5	0.10	0.58
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3	0	-4	0.36	0.57
-3	0	4	0.47	0.49
-3	0	3	0.26	0.46
3	0	-3	-0.09	0.49
-3	0	2	0.62	0.50
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3	0	0	1.05	0.28
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3	0	4	-0.05	0.27
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-3	0	-6	-0.76	0.72
-3	0	-7	228.70	5.84
3	0	7	239.50	5.18
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-3	0	-8	1.22	0.78
3	0	9	142.11	4.02
-3	0	-9	143.52	4.55
-3	0	-10	0.52	0.92
3	0	10	-0.22	0.67
-3	0	-11	28.39	2.41
3	0	11	31.42	1.93
-3	0	-11	27.55	2.03
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-3	0	-12	0.22	0.97
-3	0	-13	49.54	3.43
3	0	13	50.13	2.71
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-3	0	-15	22.32	2.50
-3	0	-16	1.44	1.16
-3	0	-17	9.24	1.95
-3	-1	19	-2.27	1.56
3	-1	-19	-0.92	1.10
3	1	-19	1.22	1.14
3	-1	-18	2.90	1.44
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3	1	-17	5.16	1.43

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-3	1	15	16.62	2.15
3	-1	-15	14.77	1.93
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3	-1	-9	65.12	2.90
3	1	-9	66.61	3.08
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3	1	-8	17.61	1.52
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3	1	-7	296.07	7.01
3	-1	-6	20.26	1.38
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3	1	-3	46.31	1.82
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-3	1	3	47.14	1.43
3	-1	-2	14.29	0.85
3	1	-2	12.86	0.96
-3	1	2	14.33	0.84
-3	-1	2	14.35	0.92
-3	1	2	15.54	0.95
-3	-1	1	216.28	4.41
-3	-1	1	208.32	3.89
3	-1	-1	195.72	4.24
-3	1	1	208.98	4.28
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-3	-1	0	2.76	0.68
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-3	-1	0	2.84	0.45
-3	1	-1	232.46	4.99
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-3	-1	-1	234.84	5.03
-3	-1	-2	228.05	5.06
-3	1	-2	233.02	5.10
-3	-1	-3	15.28	0.63
-3	-1	-3	15.55	1.17
-3	1	-3	15.46	1.26
-3	1	-4	20.66	1.42
3	-1	4	21.87	0.79
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-3	-1	-4	20.29	1.37
-3	-1	-5	50.89	2.15
-3	1	-5	47.00	2.15
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3	1	6	216.38	4.66
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3	1	9	6.99	0.94
-3	-1	-9	5.63	1.06
-3	1	-10	245.60	6.69
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3	-2	-7	21.61	1.45
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3	-3	-5	95.11	2.80
-3	3	4	0.28	0.38
-3	3	4	-0.02	0.29

3	3	-4	0.76	0.59
3	-3	-4	-0.33	0.42
3	-3	-3	1159.90	18.33
3	3	-3	1126.64	19.43
3	-3	-3	1117.95	18.82
-3	3	3	1142.06	18.81
-3	3	3	1131.15	18.34
3	-3	-2	1.38	0.43
3	-3	-2	1.31	0.60
-3	3	2	1.98	0.66
-3	3	2	2.92	0.53
-3	3	2	1.90	0.33
-3	3	2	1.91	0.42
3	3	-2	2.03	0.63
-3	3	1	4.54	0.67
-3	-3	1	3.87	0.63
3	-3	-1	3.76	0.57
3	-3	-1	3.91	0.57
-3	3	0	18.72	1.13
-3	-3	0	19.53	1.22
3	-3	0	17.33	0.82
-3	-3	0	17.98	1.01
3	-3	0	17.99	1.05
3	3	0	17.41	0.98
-3	3	-1	1261.30	20.97
-3	-3	-1	1232.62	20.69
3	3	1	1293.39	20.76
-3	-3	-1	1235.14	20.97
3	3	2	40.27	1.70
-3	-3	-2	42.73	1.79
-3	3	-2	38.58	1.76
-3	-3	-3	10.01	1.03
-3	3	-3	8.88	1.10
3	3	3	8.83	0.96
-3	-3	-4	4.32	0.84
3	3	4	3.74	0.71
-3	-3	-4	4.39	0.55
-3	3	-4	3.46	0.95
-3	-3	-5	500.03	10.01
-3	-3	-5	527.19	9.52
-3	3	-5	516.28	10.40
-3	-3	-6	4.80	0.87
-3	3	-6	3.58	0.85
-3	-3	-7	88.13	3.08
-3	3	-7	88.05	3.36
-3	-3	-8	22.20	1.57
-3	3	-8	21.99	1.71
-3	-3	-9	21.64	1.60
-3	-3	-10	-0.25	0.74
-3	3	-10	0.67	1.12
3	-3	11	9.07	1.12
-3	3	-11	9.08	1.52
-3	-3	-11	10.99	1.35
-3	3	-12	0.17	1.07
-3	-3	-12	0.94	0.95
3	-3	12	0.62	0.87
-3	-3	-12	-0.16	0.74
-3	3	-13	1.19	1.06

-3	-3	-13	2.07	1.22
3	-3	13	1.50	0.89
-3	3	-14	8.02	1.66
-3	-3	-14	5.87	1.55
-3	-3	-15	-0.17	1.01
-3	3	-15	-1.65	1.18
-3	-3	-16	3.68	1.57
-3	3	-16	2.94	1.44
-3	-3	-17	1.82	1.27
-3	3	-17	-0.04	1.32
-3	-3	-18	0.30	1.29
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-3	-4	19	2.27	1.71
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3	-4	-10	95.18	3.65
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3	-4	-9	6.05	0.95
3	4	-9	6.78	1.17
3	4	-8	29.10	1.98
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3	-4	-7	9.30	0.94
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-3	4	4	216.20	4.55
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3	-4	-1	71.67	2.12
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3	4	0	155.72	3.68
3	-4	0	151.90	2.96
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-3	-4	-5	109.72	3.37
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3	-5	-9	14.31	1.26
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3	5	-7	18.51	1.60
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-3	5	6	10.21	0.86
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3	5	-5	287.95	6.89
3	-5	-5	296.97	5.95
3	-5	-4	10.30	0.55
3	-5	-4	9.92	0.73
3	5	-4	8.93	0.99

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3	5	-2	11.84	1.08
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3	-5	-2	11.50	0.98
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3	-5	-2	12.74	0.81
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-3	5	1	516.37	9.60
3	-5	-1	532.38	9.68
3	-5	-1	537.98	9.61
-3	-5	1	542.78	10.00
3	-5	-1	523.89	9.04
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3	-5	0	10.73	0.67
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-3	-5	-1	56.38	2.18
-3	-5	-1	62.95	2.26
3	5	1	59.37	2.15
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-3	-5	-2	30.02	1.65
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-3	5	-4	5.68	0.96
-3	-5	-5	23.21	1.30
-3	5	-5	22.25	1.66
-3	-5	-5	21.88	1.43
-3	-5	-6	146.86	4.09
-3	-5	-7	3.20	0.80
-3	-5	-8	10.58	1.16
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-3	5	-9	38.88	2.69
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-3	5	-13	2.94	1.28
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-3	-6	2	0.52	0.75
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3	6	-2	2.35	0.72
3	-6	-2	1.90	0.63

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-3	-6	1	7.45	1.10
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-3	-6	1	8.13	0.84
3	-6	-1	6.98	0.76
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-3	-6	-2	16.73	1.27
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3	-7	0	12.17	1.02
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-3	-7	-8	8.17	1.02
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-3	-7	-14	22.31	2.33
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-3	-7	-15	-0.16	0.91
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-3	-7	-16	-1.07	1.13
-3	7	-16	2.02	1.45
-3	-7	-17	1.00	0.94
3	8	-17	9.12	1.93
3	8	-16	0.07	1.11
3	-8	-15	9.20	1.49
3	8	-15	8.52	1.70
3	8	-14	17.89	2.17
3	-8	-14	17.31	1.79
3	8	-13	8.90	1.68
3	-8	-13	6.71	1.10
3	-8	-12	87.53	3.59
3	8	-12	87.17	4.42
3	8	-11	13.57	1.79
3	-8	-11	10.02	1.18
3	-8	-10	48.85	2.31
3	8	-10	44.71	2.90
3	8	-9	5.08	1.22
3	-8	-9	4.79	0.77
3	-8	-8	27.21	1.46
3	8	-8	28.34	2.11
3	-8	-7	30.94	1.41
-3	8	7	33.70	1.48
3	8	-7	29.73	2.10
3	8	-6	7.42	1.09
3	-8	-6	7.15	0.61
-3	8	6	6.79	0.60
3	-8	-5	4.10	0.39
-3	8	5	4.62	0.44
3	8	-5	5.44	0.93
3	-8	-4	218.37	4.41
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3	8	-4	209.73	5.48
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-3	-8	3	16.31	1.43
3	8	-3	16.18	1.32
3	-8	-3	18.41	1.00
-3	8	3	18.78	1.21
-3	8	3	16.30	0.69
3	8	-2	207.68	5.19
3	-8	-2	216.35	4.77
-3	8	2	212.95	4.76

3	-8	-2	212.20	4.77
-3	-8	2	213.19	5.43
-3	-8	1	48.15	1.98
-3	8	1	47.17	1.79
3	-8	-1	49.75	1.98
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3	-8	-1	48.01	1.79
3	-8	0	351.60	7.06
-3	-8	0	365.82	7.40
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-3	-8	-1	6.66	0.99
-3	-8	-1	6.89	0.76
3	-8	1	6.85	0.82
-3	-8	-2	17.47	1.49
-3	-8	-3	6.54	0.92
-3	-8	-4	175.94	4.66
-3	-8	-5	5.62	0.94
-3	8	-6	43.72	2.52
-3	-8	-6	44.33	2.13
-3	8	-7	8.76	1.35
-3	-8	-7	9.39	1.11
-3	8	-8	3.07	0.97
-3	-8	-8	5.45	0.95
-3	-8	-9	52.39	2.48
-3	8	-9	48.95	3.10
-3	-8	-10	9.15	1.18
-3	8	-10	12.93	1.80
-3	8	-11	12.39	1.82
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-3	-8	-13	10.28	1.63
-3	8	-13	10.51	1.76
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-3	8	-15	4.96	1.59
-3	-8	-15	6.77	1.49
-3	-8	-16	0.05	0.93
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3	9	-14	3.35	1.44
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3	9	-13	3.02	1.31
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3	9	-12	12.26	1.75
3	-9	-12	12.06	1.31
3	-9	-11	35.89	2.06
3	9	-11	34.72	2.72
3	-9	-10	0.43	0.56
3	9	-10	1.13	0.86
3	-9	-9	188.29	4.74
3	9	-9	178.81	6.05
3	-9	-8	0.04	0.34
3	9	-8	-1.02	0.82
3	-9	-7	53.13	1.82

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3	9	-6	3.52	0.94
3	-9	-6	2.64	0.27
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3	9	-5	58.88	2.69
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3	-9	-4	0.89	0.44
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3	-9	-3	546.62	9.91
-3	9	3	560.82	10.37
3	9	-2	6.98	0.96
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-3	9	2	7.52	0.86
3	-9	-2	8.18	0.96
3	-9	-2	8.16	0.85
3	-9	-1	9.47	0.91
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-3	-9	1	10.93	1.33
3	-9	-1	7.60	0.92
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-3	-9	0	43.09	1.83
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3	-9	1	37.87	1.75
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-3	-9	-10	27.44	1.82
-3	9	-10	26.18	2.35
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-3	9	-13	0.31	1.09
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-3	9	-14	11.12	1.93
-3	-9	-15	1.27	1.06
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3	10	-16	1.00	1.12

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3	10	-8	26.11	2.15
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3	-10	-3	3.75	0.72
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3	-10	-2	1009.68	17.63
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3	-10	0	324.44	7.03
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3	11	-16	0.43	1.15
3	11	-15	3.15	1.38
3	11	-14	6.27	1.54
3	11	-13	13.09	1.95
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3	11	-10	1.81	0.88
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3	-11	-8	1.47	0.35
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3	11	-5	44.57	2.39
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3	-11	-4	3.05	0.57
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3	-11	-3	182.84	4.87
3	11	-3	183.85	5.10
3	-11	-3	187.30	4.56
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-3	-11	2	28.13	2.04
3	11	-2	27.20	1.68
3	-11	-2	28.14	1.72
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3	-11	1	4.97	0.89
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-3	-11	-1	3.20	0.97
3	-11	2	4.41	0.88
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-3	11	-5	0.88	0.76

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3	12	-2	18.79	1.46
3	-12	-2	18.83	1.46
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-3	12	-2	0.73	0.50

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-3	-15	5	4.73	1.27
-3	-15	4	-0.37	0.80
3	15	-4	0.46	0.62
-3	-15	3	17.90	1.99
3	15	-3	13.37	1.36
3	-15	-3	12.07	1.36
-3	-15	2	1.64	1.04
3	-15	-2	2.63	0.98
3	15	-2	3.13	0.80
3	-15	-1	86.81	3.51
-3	-15	1	92.36	4.08
-3	15	1	81.13	2.08
-3	15	0	6.53	0.67
3	-15	0	6.28	1.12
-3	-15	0	7.29	1.50
3	-15	1	4.92	1.13
-3	15	-1	4.71	0.69
-3	-15	-1	2.62	0.93
3	-15	2	0.62	0.81
-3	15	-2	-0.21	0.44
-3	-15	-2	0.40	0.99
3	-15	3	1.96	0.94
-3	15	-3	3.51	0.77
-3	-15	-3	1.78	1.11
-3	15	-4	-0.33	0.57
3	-15	4	1.60	0.87
-3	-15	-4	1.99	1.15

-3	15	-5	0.34	0.67
-3	-15	-5	-0.34	0.71
-3	15	-6	0.84	0.78
-3	-15	-6	-0.58	0.72
-3	15	-7	-0.26	0.71
-3	-15	-7	0.25	0.71
-3	-15	-8	38.59	2.40
-3	15	-8	34.31	2.62
-3	-15	-9	7.83	1.24
-3	15	-9	5.59	1.30
-3	15	-10	0.85	0.86
-3	15	-11	0.25	0.81
-3	15	-12	1.31	1.10
-3	15	-13	0.48	0.93
-3	15	-14	1.65	1.21
3	16	-14	14.54	2.34
3	16	-13	3.62	1.47
3	16	-12	10.31	1.77
3	16	-11	0.45	0.87
3	16	-10	16.99	2.01
3	16	-9	0.95	0.90
3	16	-8	3.42	1.07
3	16	-7	1.95	0.97
-3	-16	7	0.69	0.90
-3	-16	6	67.37	3.85
3	16	-6	69.55	3.46
3	16	-5	0.52	0.64
-3	-16	5	-1.28	1.18
3	16	-4	2.66	0.77
-3	-16	4	3.81	1.27
-3	-16	3	0.39	1.06
3	16	-3	1.05	0.58
3	-16	-3	0.50	0.75
3	16	-2	90.53	3.44
3	-16	-2	98.75	3.99
-3	-16	2	93.41	4.30
-3	-16	1	-0.35	1.09
3	-16	-1	0.31	0.76
-3	16	1	0.45	0.21
-3	-16	0	71.45	3.70
3	-16	0	68.24	3.25
-3	16	0	68.16	2.17
3	-16	1	2.56	0.86
-3	16	-1	2.03	0.54
-3	-16	-1	0.98	1.13
-3	16	-2	9.92	1.04
3	-16	2	12.30	1.56
-3	-16	-2	13.61	1.90
-3	16	-3	14.54	1.34
3	-16	3	13.44	1.64
-3	-16	-3	15.80	1.98
-3	16	-4	4.15	0.90
3	-16	4	6.83	1.32
-3	-16	-4	2.66	1.13
3	-16	5	1.73	0.95
-3	-16	-5	0.58	0.92
-3	16	-5	0.13	0.69
-3	16	-6	1.31	0.73

-3	-16	-6	1.01	0.91
-3	-16	-7	-0.03	0.73
-3	16	-7	0.61	0.80
-3	16	-8	13.97	1.72
-3	-16	-8	15.70	1.59
-3	16	-9	1.86	0.98
-3	16	-10	-0.48	0.88
-3	16	-11	10.93	1.93
-3	16	-12	0.61	1.27
-3	16	-13	2.11	1.32
3	17	-14	0.02	1.17
3	17	-13	5.76	1.57
3	17	-12	0.38	1.09
3	17	-11	2.60	1.23
3	17	-10	-0.53	0.90
3	17	-9	3.87	1.05
-3	-17	8	1.39	1.37
3	17	-8	1.63	0.96
3	17	-7	-0.81	0.90
-3	-17	7	2.21	1.30
-3	-17	6	1.37	1.15
3	17	-6	2.87	0.92
-3	-17	5	7.01	1.43
3	17	-5	6.92	1.14
3	17	-4	0.38	0.61
-3	-17	4	0.74	1.11
3	-17	-4	-0.73	0.95
3	-17	-3	28.32	2.19
-3	-17	3	31.55	2.58
3	17	-3	28.46	2.03
-3	-17	2	0.18	0.99
3	-17	-2	-0.19	0.97
3	-17	-1	42.44	2.61
-3	-17	1	41.53	2.95
-3	-17	0	0.92	1.12
-3	17	0	0.45	0.32
3	-17	0	0.60	0.87
-3	17	-1	31.94	1.63
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3	-17	1	32.24	2.36
3	-17	2	2.62	1.11
-3	17	-2	1.31	0.56
-3	-17	-2	1.04	1.11
3	-17	3	3.70	1.17
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-3	17	-3	3.33	0.72
-3	17	-4	5.11	0.94
3	-17	4	5.43	1.23
-3	-17	-4	4.10	1.07
-3	-17	-5	1.19	1.05
3	-17	5	0.58	0.90
-3	17	-5	1.55	0.83
-3	-17	-6	3.26	1.05
-3	17	-6	3.72	1.04
3	-17	6	5.87	1.46
-3	17	-7	1.84	0.75
-3	-17	-7	1.45	0.83
-3	17	-8	-0.29	0.80

-3	-17	-8	0.70	0.87
-3	17	-9	4.46	1.34
-3	17	-10	-0.36	0.85
-3	17	-11	1.62	1.13
-3	17	-12	6.35	1.69
-3	17	-13	1.80	1.31
3	18	-14	-0.35	0.98
3	18	-13	1.46	1.32
3	18	-12	0.82	0.91
3	18	-11	0.49	0.88
3	18	-10	6.11	1.49
-3	-18	9	-1.81	1.24
3	18	-9	0.01	0.87
3	18	-8	-0.94	0.86
-3	-18	8	-0.22	1.40
-3	-18	7	-0.54	1.23
3	18	-7	0.55	0.71
-3	-18	6	4.98	1.60
3	18	-6	8.00	1.30
-3	-18	5	0.57	1.25
3	18	-5	0.36	0.65
-3	-18	4	4.31	1.44
3	18	-4	3.75	1.02
3	-18	-4	5.96	1.34
-3	-18	3	1.56	1.08
3	18	-3	0.60	0.61
3	-18	-3	-0.02	1.02
3	-18	-2	21.82	2.10
-3	-18	2	25.77	2.43
-3	-18	1	1.43	1.15
3	-18	-1	4.60	1.16
-3	-18	0	8.04	1.50
3	-18	0	11.84	1.65
-3	-18	-1	1.81	1.22
3	-18	1	3.60	1.20
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3	-18	2	2.49	1.02
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-3	-18	-2	0.00	1.19
3	-18	3	2.22	1.05
-3	18	-3	1.77	0.65
-3	-18	-3	3.28	1.37
-3	18	-4	0.97	0.65
3	-18	4	-0.55	0.99
-3	-18	-4	-0.49	0.88
-3	-18	-5	0.67	0.94
-3	18	-5	-0.01	0.72
3	-18	5	0.08	1.09
-3	18	-6	2.70	0.92
-3	-18	-6	1.61	0.93
-3	18	-7	1.57	0.79
3	-18	7	-0.09	1.07
-3	-18	-7	0.27	0.84
-3	18	-8	16.95	1.93
-3	18	-9	3.96	1.11
-3	18	-10	0.14	0.94
-3	18	-11	-1.32	1.15
-3	18	-12	-0.45	1.02

-3	18	-13	0.39	1.04
3	19	-13	4.51	1.55
3	19	-12	-0.35	1.23
3	19	-11	0.76	1.06
3	19	-10	2.14	1.05
-3	-19	10	0.93	1.12
-3	-19	9	-2.06	1.35
3	19	-9	0.30	0.86
-3	-19	8	-2.50	1.50
3	19	-8	2.25	1.02
-3	-19	7	2.55	1.59
3	19	-7	-0.48	0.90
-3	-19	6	-0.66	1.13
3	19	-6	-0.94	0.70
-3	-19	5	0.62	1.29
3	19	-5	-1.20	0.78
-3	-19	4	-0.97	1.02
3	19	-4	0.47	0.67
3	-19	-4	0.85	1.01
-3	-19	3	25.23	2.49
3	-19	-3	23.04	2.13
3	19	-3	19.86	1.72
3	-19	-2	1.15	0.99
-3	-19	2	2.30	1.39
-3	-19	1	4.51	1.47
3	-19	-1	0.78	0.93
3	-19	0	12.06	1.68
-3	-19	0	12.84	1.91
3	-19	1	1.86	1.10
-3	-19	-1	-0.31	1.06
3	-19	2	2.92	1.03
-3	-19	-2	4.77	1.52
3	-19	3	20.86	2.11
-3	19	-3	18.47	1.55
-3	-19	-3	18.90	2.20
-3	19	-4	0.22	0.61
-3	-19	-4	1.96	1.13
3	-19	4	0.04	1.13
-3	19	-5	6.35	1.13
3	-19	5	7.85	1.54
-3	-19	-5	3.64	1.18
-3	19	-6	0.06	0.70
3	-19	6	0.82	1.10
-3	-19	-6	-1.43	1.03
-3	19	-7	1.19	0.86
3	-19	7	-0.11	1.12
-3	-19	-7	0.48	0.84
-3	19	-8	4.78	1.12
3	-19	8	8.52	1.78
-3	19	-9	2.28	1.10
-3	19	-10	0.11	0.96
-3	19	-11	1.85	1.25
-3	19	-12	0.03	1.19
3	20	-13	0.68	1.29
3	20	-12	-0.83	1.07
-3	-20	11	2.49	1.72
3	20	-11	0.91	0.98
3	20	-10	4.40	1.38

-3	-20	10	3.84	1.69
3	20	-9	-0.05	0.82
-3	-20	9	-0.50	1.37
-3	-20	8	3.71	1.55
3	20	-8	2.52	1.11
-3	-20	7	1.20	1.48
3	20	-7	-0.63	0.76
-3	-20	6	1.96	1.29
3	20	-6	1.54	0.89
3	20	-5	1.45	0.77
-3	-20	5	-2.77	1.54
-3	-20	4	0.18	1.28
3	20	-4	0.18	0.63
3	-20	-4	-0.84	1.01
3	-20	-3	-1.53	0.93
-3	-20	3	0.81	1.17
-3	-20	2	0.40	1.04
3	-20	-2	0.77	1.10
3	-20	-1	4.91	1.27
-3	-20	1	5.06	1.63
-3	-20	0	9.34	1.78
3	-20	0	8.76	1.59
3	-20	1	0.70	0.94
-3	-20	-1	1.69	1.11
-3	-20	-2	16.51	2.18
3	-20	2	15.37	1.98
3	-20	3	1.80	1.26
-3	-20	-3	0.40	1.06
3	-20	4	1.58	1.27
-3	-20	-4	1.69	1.21
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-3	-20	-5	0.02	0.95
-3	-20	-6	4.16	1.24
-3	20	-6	5.88	1.14
3	-20	6	5.37	1.53
3	-20	7	-1.50	1.16
-3	20	-7	0.57	0.90
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3	-20	8	-1.36	1.05
3	-20	9	4.91	1.72
-3	20	-9	1.54	0.90
-3	20	-10	2.42	1.19
-3	20	-11	2.64	1.28
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3	21	-12	3.39	1.45
3	21	-11	3.76	1.38
-3	-21	10	3.56	1.89
3	21	-10	0.44	0.84
3	21	-9	-3.02	1.30
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3	21	-8	1.51	1.07
-3	-21	8	3.07	1.72
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3	21	-6	0.16	0.79
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-3	-21	4	1.02	1.25
3	21	-4	0.71	0.72
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3	-21	-3	-1.11	1.17
-3	-21	2	0.95	1.14
3	-21	-2	2.51	1.19
3	-21	-1	22.80	2.37
-3	-21	1	24.18	2.60
3	-21	0	0.68	1.14
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-3	-21	-1	9.21	1.98
3	-21	1	9.40	1.64
3	-21	2	-0.70	1.13
-3	-21	-2	-3.98	1.67
-3	-21	-3	2.62	1.43
3	-21	3	1.89	1.09
3	-21	4	0.05	1.18
-3	-21	-4	0.55	1.48
-3	-21	-5	1.49	1.08
3	-21	5	-0.53	1.06
3	-21	6	0.50	1.02
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3	-21	7	4.15	1.60
3	-21	8	3.86	1.65
-3	21	-9	1.06	0.94
3	-21	9	1.10	1.25
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3	-21	10	0.89	1.47
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3	22	-12	0.66	0.97
3	22	-11	-0.30	0.99
3	22	-10	1.06	0.95
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3	22	-9	-0.67	1.00
3	22	-8	3.48	1.09
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-3	-22	4	22.95	2.73
-3	-22	3	1.01	1.19
3	-22	-3	-1.72	1.12
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3	-22	-2	1.26	1.04
3	-22	-1	-1.21	1.27
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3	-22	9	6.41	2.02
3	-22	10	0.82	1.36
3	23	-11	3.20	1.27
3	23	-10	1.02	0.99
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3	-23	-3	0.86	1.09
-3	-23	2	4.30	1.70
3	-23	-2	1.87	1.33
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-3	-23	-2	1.34	1.20
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3	-23	4	0.47	1.31
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3	-23	6	-1.67	1.57
3	-23	7	0.02	1.28
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3	-24	-1	3.48	1.53
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3	-24	4	-1.73	1.35
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3	-24	7	-1.14	1.23
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3	-25	-2	-1.81	1.44
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3	-25	7	1.49	1.61
3	-26	-3	2.53	1.34
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3	-26	0	3.47	1.50
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3	-26	2	1.64	1.30
3	-26	3	-2.31	1.36
3	-26	4	1.19	1.28
3	-26	5	1.20	1.32
3	-26	6	0.66	1.50
3	-27	-3	1.48	1.31
3	-27	-2	2.39	1.45
3	-27	-1	-1.27	1.53
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3	-27	1	7.01	1.83
3	-27	2	1.03	1.35
3	-27	3	3.90	1.63
3	-27	4	-0.03	1.40
3	-28	-1	0.50	1.40
4	0	-19	0.28	1.15
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-4	0	18	25.34	2.93
4	0	-18	18.63	2.34
4	0	-17	2.07	1.35
-4	0	17	-0.54	1.40
4	0	-16	3.18	1.19
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4	0	-15	-1.44	1.07
-4	0	15	-1.67	1.37
-4	0	14	89.42	4.57
4	0	-14	95.77	4.60
4	0	-13	0.79	0.73
-4	0	13	-1.61	1.10
4	0	-12	1.92	1.03
4	0	-11	0.36	0.74
4	0	-10	204.47	6.15
4	0	-9	0.52	0.79
4	0	-8	27.39	1.84
4	0	-7	-0.72	0.60

4	0	-6	425.67	8.92
4	0	-5	0.40	0.59
4	0	-4	207.56	4.96
-4	0	4	198.16	4.92
-4	0	4	205.28	4.46
-4	0	3	0.58	0.58
4	0	-2	336.53	6.66
-4	0	2	326.92	6.54
-4	0	1	0.24	0.29
-4	0	1	-0.86	0.74
4	0	-1	0.86	0.60
-4	0	0	88.11	2.73
4	0	0	90.09	1.99
4	0	1	0.30	0.35
-4	0	-1	1.63	0.87
-4	0	-2	623.91	11.74
-4	0	-3	-0.40	0.71
-4	0	-4	463.11	9.52
-4	0	-5	0.00	0.74
-4	0	-6	22.89	1.78
-4	0	-7	-0.44	0.79
4	0	8	3.59	0.61
-4	0	-8	2.66	0.91
4	0	9	0.76	0.63
-4	0	-9	2.01	1.04
-4	0	-10	3.45	1.08
4	0	10	3.14	0.80
-4	0	-11	-0.57	0.85
4	0	11	-0.74	0.69
4	0	12	4.88	0.99
-4	0	-12	4.10	1.13
-4	0	-13	-1.07	0.95
-4	0	-14	-1.76	1.31
-4	0	-15	0.08	1.24
-4	0	-16	2.06	1.41
-4	0	-17	0.15	1.13
4	-1	-19	-0.93	1.06
-4	1	19	1.66	1.33
4	1	-19	0.73	1.13
-4	1	18	17.74	2.59
4	1	-18	11.83	2.02
4	-1	-18	10.57	1.97
-4	-1	18	13.70	2.28
4	-1	-17	10.82	1.89
4	1	-17	9.12	1.81
-4	-1	17	5.84	1.76
-4	1	17	9.77	2.14
4	1	-16	0.69	0.86
-4	-1	16	1.34	1.23
-4	1	16	2.09	1.35
4	-1	-16	1.12	1.10
-4	1	15	5.04	1.60
-4	-1	15	0.84	1.02
4	1	-15	3.05	1.32
4	-1	-15	2.89	1.17
4	-1	-14	9.54	1.51
4	1	-14	8.44	1.51
-4	1	14	9.94	1.78

4	1	-13	0.77	0.89
4	-1	-13	0.68	0.84
-4	1	13	-1.09	1.10
4	-1	-12	-0.49	0.74
-4	1	12	-0.07	0.96
4	1	-12	0.41	0.76
4	1	-11	0.06	0.71
4	-1	-11	1.01	0.89
-4	1	11	0.31	0.91
-4	1	11	-0.03	0.44
4	-1	-10	6.63	1.17
4	1	-10	7.48	1.27
4	-1	-9	59.23	2.86
4	1	-9	58.77	2.93
4	1	-8	0.77	0.69
4	-1	-8	0.59	0.66
4	1	-7	155.05	4.59
4	-1	-7	145.08	4.36
4	1	-6	1.49	0.68
4	-1	-6	2.52	0.71
4	1	-5	361.43	8.01
-4	1	5	386.75	7.06
4	-1	-5	368.94	7.82
4	-1	-4	-0.25	0.57
-4	1	4	-0.23	0.44
4	1	-4	-0.36	0.62
-4	1	4	-0.28	0.47
4	1	-3	31.05	1.67
-4	1	3	36.95	1.66
-4	1	3	36.05	1.47
-4	-1	3	38.59	1.61
4	-1	-2	1.82	0.59
-4	1	2	1.72	0.68
-4	-1	2	1.28	0.69
-4	1	2	1.51	0.47
-4	1	1	1438.79	23.84
-4	-1	1	1360.51	23.89
-4	-1	1	1430.04	23.09
4	-1	-1	1471.68	23.87
4	1	0	2.14	0.40
-4	1	0	1.78	0.38
4	-1	0	1.90	0.25
-4	-1	0	2.54	0.86
-4	1	0	2.66	0.80
-4	-1	0	1.81	0.42
-4	1	-1	243.42	5.42
-4	-1	-1	226.99	5.40
4	1	1	247.71	4.84
-4	-1	-2	209.24	5.02
-4	1	-2	197.93	4.93
-4	-1	-3	161.45	4.24
-4	-1	-3	150.69	2.83
-4	1	-3	165.33	4.30
-4	1	-4	117.80	3.67
-4	-1	-4	116.29	3.64
-4	-1	-5	0.47	0.75
4	-1	5	0.79	0.23
-4	1	-5	0.83	0.76

-4	1	-6	52.95	2.52
4	-1	6	54.87	1.60
-4	-1	-6	54.02	2.51
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-4	1	-7	56.93	2.69
-4	-1	-7	52.99	2.61
-4	-1	-8	-0.31	0.81
-4	1	-8	-0.39	0.83
4	-1	8	1.33	0.50
-4	-1	-9	79.48	3.44
4	-1	9	76.16	2.60
-4	1	-9	76.53	3.44
-4	-1	-10	20.55	1.79
4	-1	10	20.99	1.41
-4	1	-10	20.05	1.87
-4	1	-11	1.66	0.84
4	-1	11	2.38	0.72
-4	-1	-11	0.96	0.87
-4	-1	-12	24.10	2.03
4	-1	12	23.84	1.76
-4	1	-12	24.10	2.53
-4	1	-13	-1.01	1.15
-4	-1	-13	-0.10	0.88
-4	1	-14	0.41	1.00
-4	-1	-14	1.26	1.08
-4	1	-15	1.72	1.38
-4	-1	-15	-0.35	1.26
-4	1	-16	2.13	1.16
-4	-1	-16	3.94	1.39
-4	-1	-17	1.72	1.47
4	2	-19	2.38	1.29
4	-2	-19	0.24	1.16
-4	-2	19	2.60	1.79
4	2	-18	-1.12	0.97
4	-2	-18	0.35	0.99
-4	-2	18	-1.12	1.39
4	2	-17	10.80	1.93
-4	-2	17	11.48	2.18
-4	2	17	11.49	2.07
4	-2	-17	9.76	1.90
4	-2	-16	-0.18	0.90
-4	-2	16	2.02	1.34
4	2	-16	0.58	0.95
-4	2	16	1.52	1.32
4	-2	-15	0.77	0.93
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4	2	-15	2.41	1.17
4	-2	-14	-0.09	0.86
4	2	-14	0.21	1.00
-4	2	14	-0.09	1.13
4	-2	-13	0.33	0.77
4	2	-13	0.55	0.82
-4	2	13	1.44	1.15
4	-2	-12	1.59	0.70
4	2	-12	1.25	0.83
-4	2	12	1.11	1.17
4	2	-11	-0.31	0.72
4	-2	-11	-0.23	0.72

-4	2	11	-0.27	0.84
-4	2	11	-0.07	0.37
4	2	-10	4.33	0.97
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4	-2	-10	3.65	0.90
4	-2	-9	5.50	0.97
-4	2	9	5.93	1.06
4	2	-9	5.29	1.06
4	-2	-8	0.76	0.63
4	2	-8	1.32	0.63
4	-2	-7	1.65	0.66
-4	2	7	1.84	0.40
4	2	-7	1.96	0.71
-4	2	6	187.80	3.74
4	2	-6	161.84	4.78
4	-2	-6	168.19	4.58
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-4	2	5	-0.02	0.36
4	2	-5	0.62	0.69
4	-2	-5	0.27	0.51
4	2	-4	51.46	2.30
-4	2	4	51.29	2.12
-4	2	4	51.47	1.73
4	-2	-4	55.02	2.12
-4	2	4	59.82	2.11
-4	2	3	0.62	0.54
4	-2	-3	0.22	0.47
-4	2	3	1.81	0.77
-4	2	3	0.19	0.44
4	2	-3	-0.20	0.66
-4	-2	2	418.25	7.55
-4	-2	2	419.68	8.11
-4	2	2	394.59	7.77
4	-2	-2	424.65	7.75
-4	2	2	400.77	7.77
-4	-2	1	167.90	4.09
-4	2	1	156.98	3.50
4	-2	-1	171.24	3.94
-4	2	1	156.28	3.87
-4	-2	1	163.89	3.50
-4	2	0	22.26	0.88
4	2	0	22.92	1.05
4	-2	0	22.65	1.35
-4	2	0	22.26	1.35
-4	-2	0	22.86	1.13
-4	-2	0	22.26	1.38
-4	-2	-1	79.90	2.74
4	2	1	85.33	2.32
-4	2	-1	82.84	2.75
-4	2	-2	9.12	1.04
-4	-2	-2	10.53	1.15
4	2	2	10.70	0.90
-4	-2	-3	35.73	1.85
-4	2	-3	38.52	1.96
-4	-2	-4	14.87	0.73
-4	2	-4	14.33	1.36
-4	-2	-4	14.94	1.35
-4	-2	-5	-0.52	0.68

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-4	2	-5	-0.31	0.81
-4	-2	-6	13.80	1.32
4	-2	6	13.44	0.75
-4	2	-6	11.26	1.27
4	-2	7	61.53	1.94
-4	2	-7	61.08	2.84
-4	-2	-7	61.67	2.73
4	-2	8	15.68	1.08
-4	-2	-8	18.72	1.64
-4	2	-8	17.49	1.66
4	-2	9	372.22	7.51
-4	2	-9	354.88	8.81
-4	-2	-9	349.12	8.52
-4	2	-10	1.52	0.90
4	-2	10	1.87	0.71
-4	-2	-10	1.44	0.90
4	-2	11	3.87	0.79
-4	-2	-11	5.46	1.06
-4	2	-12	2.12	1.26
4	-2	12	1.22	0.75
-4	2	-13	10.28	1.85
-4	-2	-13	10.79	1.59
-4	-2	-13	10.05	1.81
-4	-2	-14	0.37	1.13
-4	2	-14	1.12	0.97
-4	2	-15	57.78	4.11
-4	-2	-15	61.38	4.23
-4	2	-16	0.47	1.11
-4	-2	-16	1.36	1.27
-4	-2	-17	10.80	2.12
4	-3	-20	0.67	1.08
4	-3	-19	1.65	1.13
-4	-3	19	0.08	1.50
4	3	-18	9.47	2.04
-4	-3	18	7.89	1.90
-4	3	18	8.98	1.95
4	-3	-18	6.20	1.47
4	3	-17	2.21	1.24
-4	-3	17	5.34	1.60
4	-3	-17	3.71	1.31
-4	3	17	2.39	1.57
4	-3	-16	12.72	1.83
-4	3	16	13.35	2.17
4	3	-16	12.26	2.02
4	-3	-15	1.50	0.87
4	3	-15	1.52	1.03
-4	3	15	0.92	1.20
4	3	-14	9.49	1.65
4	-3	-14	7.76	1.32
-4	3	14	7.26	1.61
4	-3	-13	8.63	1.38
4	3	-13	8.41	1.45
-4	3	13	10.93	1.83
4	3	-12	4.23	1.10
4	-3	-12	4.49	1.07
-4	3	12	5.42	1.51
-4	3	11	16.39	1.87

-4	3	11	14.87	0.74
4	-3	-11	16.39	1.66
4	3	-11	17.82	1.82
4	3	-10	4.30	1.15
-4	3	10	3.19	1.00
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4	-3	-10	3.34	0.90
4	-3	-9	3.31	0.79
-4	3	9	1.64	0.81
-4	3	9	2.05	0.30
4	3	-9	4.68	1.09
4	3	-8	0.34	0.64
-4	3	8	0.48	0.20
4	-3	-8	0.20	0.51
4	-3	-7	2.22	0.64
4	3	-7	1.16	0.57
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-4	3	6	0.06	0.27
4	-3	-6	-0.06	0.48
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-4	3	4	3.15	0.47
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4	-3	-4	3.11	0.61
4	3	-4	4.53	0.84
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-4	3	3	46.45	1.93
4	3	-3	47.21	2.14
4	-3	-3	50.01	1.63
-4	3	3	48.51	1.64
-4	-3	2	14.28	0.97
4	-3	-2	14.40	0.96
-4	3	2	14.24	1.02
-4	3	2	13.58	1.01
4	-3	-1	23.80	1.23
-4	3	1	23.50	1.30
-4	-3	1	22.98	1.45
-4	3	1	21.69	1.09
-4	-3	1	24.62	1.20
4	-3	0	36.39	1.25
-4	-3	0	39.27	1.84
-4	3	0	36.45	1.74
-4	-3	0	36.91	1.52
4	3	0	36.79	1.45
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-4	-3	-1	8.46	1.06
-4	-3	-1	4.98	0.78
-4	-3	-2	26.24	1.64
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-4	3	-2	24.36	1.52

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-4	3	-3	66.03	2.61
-4	-3	-3	62.88	2.48
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-4	-3	-4	64.40	1.84
-4	-3	-4	61.03	2.53
-4	-3	-5	11.48	0.79
-4	3	-5	14.07	1.43
-4	-3	-5	12.16	1.22
-4	-3	-6	1.06	0.74
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-4	3	-7	31.86	2.05
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-4	-3	-8	54.19	2.60
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-4	-3	-9	5.08	1.03
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4	-3	10	4.26	0.79
-4	-3	-10	4.74	1.12
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-4	-3	-13	-0.10	0.95
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4	-4	-18	4.51	1.55
-4	4	18	2.18	1.54
4	4	-17	26.55	2.84
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4	-4	-15	2.57	1.08
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4	-4	-14	1.58	0.94
4	4	-14	2.32	1.02
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4	-4	-13	13.97	1.67
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4	-4	-12	3.43	0.91

-4	4	12	1.18	0.94
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4	-4	-8	48.11	2.27
4	4	-8	48.42	2.67
4	-4	-7	1.39	0.54
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-4	4	6	188.15	4.61
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4	4	-3	20.11	1.45
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4	-4	-2	5.27	0.77
-4	4	2	5.29	0.77
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-4	4	0	150.89	3.86
4	-4	0	152.65	3.85
4	-4	0	148.62	3.28
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-4	4	-4	11.08	1.29
-4	-4	-5	0.40	0.40
-4	4	-5	-0.52	0.75
-4	-4	-5	-0.03	0.65
-4	4	-6	39.00	2.28
-4	-4	-6	33.87	1.91
-4	-4	-6	33.83	1.53
-4	4	-7	153.19	4.90
-4	-4	-7	145.32	4.52
-4	4	-8	14.88	1.62
-4	-4	-8	15.78	1.47
-4	-4	-9	44.66	2.41
-4	-4	-10	1.26	0.83
-4	4	-11	76.20	4.15
-4	-4	-11	76.07	3.42
4	-4	11	77.86	2.97
-4	4	-12	-0.90	0.97
-4	-4	-12	0.23	0.94
-4	4	-13	4.59	1.54
-4	-4	-13	2.06	1.08
-4	-4	-13	2.16	1.00
-4	-4	-14	1.92	1.29
-4	4	-14	-0.04	1.18
-4	-4	-14	1.15	0.88
-4	4	-15	69.11	4.56
-4	-4	-15	74.96	4.59
-4	4	-16	-0.13	1.01
-4	-4	-16	-1.41	1.30
-4	-4	-17	2.42	1.28
4	-5	-18	7.75	1.63
4	5	-18	9.61	1.95
-4	5	18	9.53	2.07
-4	5	17	9.87	2.15
4	-5	-17	8.58	1.48
4	5	-17	7.13	1.62
4	-5	-16	0.65	1.01
4	5	-16	-0.23	1.10
-4	5	16	1.12	1.56
4	5	-15	0.47	1.10
-4	5	15	0.47	1.37
4	-5	-15	-0.45	0.75
-4	5	14	14.96	2.12
4	5	-14	12.31	1.89
4	-5	-14	11.81	1.61
4	-5	-13	1.62	0.80
4	5	-13	2.11	1.27
-4	5	13	-0.32	1.09
4	-5	-12	1.66	0.82
4	5	-12	0.95	0.73
-4	5	12	0.78	0.98
-4	5	11	11.96	1.67
4	-5	-11	12.79	1.40

4	5	-11	12.25	1.66
4	-5	-10	0.94	0.68
4	5	-10	1.19	0.87
-4	5	10	2.11	1.03
4	-5	-9	0.52	0.57
4	5	-9	0.13	0.84
-4	5	9	-0.10	0.86
4	5	-8	0.48	0.74
4	-5	-8	0.65	0.47
4	5	-7	127.20	4.40
4	-5	-7	130.59	3.74
4	-5	-6	4.97	0.73
-4	5	6	4.78	0.68
-4	5	6	4.09	0.33
4	5	-6	3.83	0.93
-4	5	5	135.62	3.46
4	-5	-5	122.43	2.71
-4	5	5	127.18	3.98
-4	5	5	132.97	2.76
4	5	-5	124.84	4.03
4	-5	-5	133.73	3.45
-4	5	4	6.02	0.59
-4	5	4	5.61	0.62
4	-5	-4	5.12	0.56
-4	5	4	6.27	0.99
4	5	-4	5.61	0.92
4	-5	-3	280.70	5.49
-4	5	3	282.63	5.72
4	-5	-3	277.71	6.16
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-4	5	3	277.54	5.30
4	5	-3	269.95	6.49
-4	5	2	2.40	0.37
-4	5	2	2.32	0.61
-4	-5	2	3.11	0.81
4	-5	-2	2.24	0.65
4	-5	-2	3.17	0.58
4	-5	-1	190.34	4.40
4	5	-1	187.00	4.47
4	-5	-1	190.69	4.29
-4	5	1	184.23	4.38
4	-5	-1	190.28	3.54
-4	-5	1	182.28	4.48
4	5	0	2.77	0.64
4	-5	0	3.79	0.41
4	-5	0	3.99	0.73
-4	-5	0	2.77	0.66
-4	-5	0	2.97	0.91
4	-5	0	3.33	0.54
-4	5	0	3.66	0.85
-4	-5	-1	41.97	2.05
-4	5	-1	43.08	1.98
-4	-5	-1	40.84	1.91
4	5	1	43.27	1.88
-4	-5	-2	64.96	2.52
-4	5	-2	65.00	2.58
-4	5	-3	47.81	2.27
-4	-5	-3	49.38	2.21

-4	-5	-4	1.79	0.72
-4	5	-4	1.50	0.84
-4	5	-5	3.14	0.82
-4	-5	-5	3.61	0.56
-4	-5	-5	4.31	0.85
-4	-5	-6	79.68	3.04
-4	5	-6	76.53	3.29
-4	-5	-6	83.38	2.68
-4	5	-7	11.45	1.45
-4	-5	-7	10.91	1.19
-4	-5	-8	3.02	0.91
-4	-5	-9	35.62	2.12
-4	-5	-10	16.92	1.62
-4	-5	-11	0.19	0.87
-4	5	-11	0.19	1.00
-4	5	-12	1.43	1.03
-4	-5	-12	1.31	0.85
-4	5	-13	0.25	1.02
-4	-5	-13	0.71	0.94
-4	-5	-13	-0.38	1.06
-4	5	-14	21.47	2.63
-4	-5	-14	17.96	2.25
-4	-5	-15	-0.75	1.10
-4	5	-15	0.45	1.15
-4	5	-16	3.63	1.34
-4	-5	-16	2.73	1.22
-4	-5	-17	-0.43	0.98
4	6	-18	-1.63	1.37
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4	6	-17	3.04	1.58
4	-6	-17	0.26	0.96
-4	6	17	-0.35	1.34
4	-6	-16	7.54	1.50
4	6	-16	9.66	1.79
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4	-6	-15	1.52	1.00
4	6	-15	1.61	1.04
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4	-6	-14	0.19	0.83
4	6	-14	-0.38	1.03
-4	6	14	0.87	1.38
4	-6	-13	8.50	1.33
4	6	-13	9.64	1.60
-4	6	13	10.69	1.79
-4	6	12	32.75	2.77
4	-6	-12	36.01	2.35
4	6	-12	37.17	2.81
4	-6	-11	1.51	0.66
-4	6	11	0.72	0.91
4	6	-11	1.62	1.01
-4	6	10	172.60	5.84
4	-6	-10	171.33	5.06
4	6	-10	164.00	5.87
4	6	-9	5.52	1.16
4	-6	-9	3.02	0.70
-4	6	9	6.33	1.25
4	-6	-8	0.12	0.43
-4	6	8	-0.08	0.67

4	6	-8	0.09	0.68
4	-6	-7	0.85	0.52
4	6	-7	0.61	0.71
-4	6	7	0.29	0.39
-4	6	6	110.91	3.12
4	-6	-6	109.66	3.11
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4	-6	-5	0.04	0.26
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-4	6	4	180.33	3.86
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-4	6	4	182.61	4.12
-4	6	4	184.04	4.16
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-4	6	3	0.37	0.40
-4	-6	3	0.55	0.70
-4	6	3	0.26	0.43
4	-6	-3	0.53	0.43
4	6	-3	0.81	0.71
-4	-6	2	14.96	1.22
4	-6	-2	15.72	1.03
-4	6	2	16.45	1.10
4	-6	-2	15.66	1.14
-4	6	2	14.85	0.78
-4	-6	1	1.05	0.75
4	-6	-1	-0.04	0.33
4	-6	-1	0.59	0.56
4	-6	-1	0.34	0.52
-4	6	1	0.04	0.69
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-4	6	0	38.79	1.84
-4	-6	0	38.23	1.85
4	-6	0	37.71	1.28
-4	-6	-1	5.27	0.93
-4	6	-1	3.74	0.82
-4	-6	-1	3.03	0.79
-4	-6	-2	208.75	5.39
-4	6	-2	217.70	5.49
-4	-6	-2	217.57	5.35
-4	6	-3	7.34	1.13
-4	-6	-3	8.60	1.08
-4	6	-4	9.34	1.21
-4	-6	-4	9.77	1.08
-4	-6	-5	20.04	1.50
-4	6	-5	19.10	1.74
-4	-6	-6	24.89	1.72
-4	-6	-7	15.88	1.41
-4	-6	-8	0.73	0.81
-4	-6	-9	5.98	1.01
-4	6	-10	14.95	1.97
-4	-6	-10	16.40	1.65
-4	6	-11	15.23	1.95
-4	-6	-11	15.56	1.56
-4	6	-12	3.21	1.28
-4	-6	-12	0.86	0.83
-4	6	-13	4.98	1.57

-4	-6	-13	6.22	1.24
-4	6	-14	-0.16	1.32
-4	-6	-14	1.65	1.28
-4	6	-15	7.90	1.73
-4	-6	-15	8.87	1.85
-4	6	-16	-1.76	1.56
-4	-6	-16	1.84	1.22
-4	-6	-17	0.01	1.08
-4	7	17	5.63	1.81
4	7	-17	10.56	1.94
4	-7	-16	7.00	1.39
4	7	-16	3.82	1.54
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4	-7	-15	7.07	1.31
4	7	-15	6.14	1.61
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4	-7	-14	9.63	1.40
4	7	-14	10.83	1.83
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4	7	-13	63.92	3.84
4	-7	-13	66.93	3.32
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4	-7	-12	14.69	1.51
4	7	-12	16.29	1.99
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4	-7	-9	76.69	2.85
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4	-7	-8	-0.02	0.46
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4	7	-7	211.00	6.24
4	-7	-7	228.57	5.19
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-4	7	6	3.52	0.56
4	-7	-6	2.98	0.53
4	-7	-5	519.89	9.06
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-4	7	5	524.63	9.65
-4	7	4	5.35	0.59
4	7	-4	6.07	0.97
4	-7	-4	6.12	0.60
-4	7	4	7.29	0.76
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4	7	-3	591.76	12.08
-4	7	3	605.53	10.90
4	-7	-3	610.41	10.94
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-4	7	2	53.42	2.02
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4	-7	-1	392.84	7.82
4	-7	-1	377.75	7.02
-4	-7	1	372.86	8.04
4	-7	0	0.37	0.41
-4	-7	0	0.17	0.62
-4	7	0	0.27	0.64
-4	7	-1	33.27	1.87
-4	-7	-1	36.40	1.96
-4	-7	-1	31.21	1.84
-4	-7	-2	3.39	0.84
-4	7	-2	1.74	0.70
-4	-7	-2	2.84	0.93
-4	-7	-3	125.80	3.89
-4	7	-3	125.16	4.06
-4	-7	-4	9.50	1.19
-4	-7	-5	2.56	0.85
-4	-7	-6	1.48	0.70
-4	-7	-7	12.27	1.28
-4	-7	-8	12.40	1.31
-4	-7	-9	5.37	1.08
-4	7	-9	6.22	1.54
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-4	7	-13	-0.02	1.13
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-4	-7	-15	-0.02	1.02
-4	-7	-16	2.96	1.35
-4	-7	-17	-0.91	1.15
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4	8	-14	43.73	3.38
4	-8	-13	9.33	1.36
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4	-8	-6	39.66	1.08
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4	-8	-4	73.00	2.09
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4	-8	-2	136.88	3.33
-4	-8	2	134.91	4.13
4	-8	-1	10.42	0.80
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4	-8	1	10.62	0.87
-4	-8	-1	10.05	1.22
-4	-8	-2	21.83	1.60
-4	-8	-2	21.18	1.65
-4	-8	-3	5.29	0.89
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-4	-8	-12	-0.17	0.88
-4	8	-12	0.47	0.98
-4	8	-13	3.06	1.36
-4	8	-14	1.08	1.23
-4	-8	-14	1.57	1.24
-4	8	-15	5.43	1.63
-4	-8	-15	5.45	1.59
-4	-8	-16	-0.74	1.07
-4	-8	-17	-0.81	1.18
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4	9	-16	11.42	2.10
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4	9	-13	5.38	1.50

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4	9	-11	105.12	4.85
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4	-9	-9	3.86	0.69
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4	-9	-7	147.17	3.58
4	9	-7	135.84	4.87
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4	9	-4	0.60	0.67
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4	-9	-3	284.98	6.01
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4	-9	-2	16.91	1.18
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-4	-9	-2	4.93	1.09
-4	-9	-2	7.02	1.15
-4	-9	-3	13.43	1.36
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4	-10	-12	52.17	2.52
4	-10	-11	2.91	0.72
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4	-10	-10	360.37	7.72
4	10	-9	6.36	1.35
4	-10	-9	5.91	0.76
4	-10	-8	24.16	1.28
4	10	-8	20.47	1.87
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4	10	-6	54.88	2.84
4	-10	-6	57.89	1.62
4	-10	-5	3.01	0.52
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4	10	-5	2.40	0.75
-4	-10	4	17.78	1.60
4	-10	-4	17.75	1.07
4	10	-4	13.96	1.39
-4	10	4	16.03	0.79
4	-10	-3	0.25	0.50
-4	-10	3	-0.19	0.75
-4	10	3	0.53	0.24
4	10	-3	1.00	0.69
-4	10	2	463.50	9.23
-4	-10	2	468.15	10.25
4	-10	-2	481.09	9.29
-4	-10	1	1.95	0.90
4	-10	-1	1.44	0.57
-4	-10	0	20.64	1.69
4	-10	0	21.50	1.32
4	-10	1	0.08	0.51
-4	-10	-1	-0.95	0.91
4	-10	2	33.23	1.74
-4	-10	-2	35.37	2.19
-4	-10	-2	31.12	1.99
-4	-10	-3	10.63	1.20
-4	-10	-3	10.78	1.30
-4	-10	-4	0.00	0.74
-4	-10	-5	3.76	0.93
-4	-10	-6	11.45	1.31
-4	10	-7	15.22	1.73
-4	-10	-7	15.07	1.44
-4	10	-8	3.67	1.03
-4	-10	-8	5.24	1.02
-4	10	-9	10.51	1.59

-4	-10	-9	9.38	1.24
-4	-10	-10	2.75	0.92
-4	10	-10	2.71	1.19
-4	-10	-11	0.67	0.74
-4	10	-11	0.68	1.04
-4	10	-12	-0.59	1.10
-4	10	-13	20.51	2.52
-4	-10	-13	20.26	2.21
-4	10	-14	0.95	1.28
-4	-10	-14	1.32	1.13
-4	10	-15	10.13	1.95
4	11	-16	0.19	1.06
4	11	-15	-0.69	1.13
4	11	-14	20.70	2.45
4	11	-13	-1.08	1.11
4	11	-12	12.78	1.98
4	11	-11	7.59	1.59
4	11	-10	4.13	1.24
4	-11	-10	2.78	0.63
4	11	-9	7.46	1.44
4	-11	-9	6.38	0.70
4	11	-8	0.20	0.92
4	11	-7	5.13	1.11
4	-11	-7	5.01	0.35
4	-11	-6	0.13	0.28
-4	11	6	0.21	0.22
4	11	-6	0.48	0.65
4	11	-5	35.81	2.30
-4	11	5	33.28	1.05
-4	-11	5	36.25	2.36
4	-11	-5	36.57	1.48
4	11	-4	3.75	0.91
-4	-11	4	4.97	1.02
4	-11	-4	5.37	0.74
-4	11	4	4.59	0.38
-4	11	3	85.72	2.10
-4	-11	3	90.33	3.63
4	-11	-3	89.92	2.99
4	11	-3	89.43	3.42
-4	-11	2	30.15	2.12
4	-11	-2	32.18	1.74
-4	-11	1	2.03	0.87
4	-11	-1	1.15	0.60
4	-11	0	1.18	0.58
-4	-11	0	0.36	0.83
4	-11	1	0.91	0.55
-4	-11	-1	0.78	0.88
4	-11	2	28.71	1.70
-4	-11	-2	26.88	2.09
-4	-11	-3	0.79	0.74
-4	-11	-3	0.40	0.76
-4	-11	-4	0.60	0.80
-4	-11	-5	1.58	0.84
-4	11	-5	1.68	0.83
-4	11	-6	24.49	2.03
-4	-11	-6	20.92	1.68
-4	-11	-7	9.26	1.23
-4	11	-7	7.78	1.39

-4	-11	-8	5.19	0.97
-4	11	-8	9.88	1.58
-4	11	-9	10.64	1.66
-4	-11	-9	12.33	1.42
-4	11	-10	2.44	1.03
-4	-11	-10	3.17	0.93
-4	-11	-11	2.18	0.98
-4	11	-11	7.67	1.69
-4	11	-12	-0.16	0.85
-4	11	-13	-0.22	1.05
-4	-11	-13	1.58	1.07
-4	11	-14	20.57	2.64
4	12	-16	10.57	2.15
4	12	-15	-0.67	1.26
4	12	-14	3.62	1.30
4	12	-13	14.32	1.97
4	12	-12	16.35	2.16
4	12	-11	1.91	1.10
4	12	-10	4.78	1.18
4	12	-9	3.34	1.15
4	12	-8	21.64	2.00
4	12	-7	0.32	0.69
4	12	-6	46.13	2.70
4	-12	-6	46.19	1.61
-4	-12	5	0.08	1.01
4	-12	-5	-0.05	0.43
4	12	-5	-0.16	0.65
4	12	-4	1.11	0.76
-4	-12	4	0.06	0.72
4	-12	-4	0.34	0.52
-4	-12	3	0.43	0.87
-4	12	3	-0.19	0.16
4	12	-3	0.02	0.54
4	-12	-3	0.87	0.66
4	-12	-2	27.50	1.71
-4	-12	2	22.99	1.92
4	-12	-1	6.41	0.87
-4	-12	1	6.69	1.13
4	-12	0	4.25	0.82
-4	-12	0	4.71	1.03
-4	-12	-1	-0.03	0.85
4	-12	1	1.64	0.68
4	-12	2	1.30	0.71
-4	-12	-2	2.03	1.00
-4	12	-3	16.80	1.47
4	-12	3	15.46	1.36
-4	-12	-3	14.83	1.55
-4	-12	-3	16.11	1.69
-4	-12	-4	0.25	0.74
-4	12	-4	-0.34	0.63
-4	12	-5	0.37	0.73
-4	-12	-5	1.05	0.73
-4	12	-6	0.33	0.77
-4	-12	-6	0.24	0.76
-4	12	-7	26.40	2.15
-4	-12	-7	26.68	2.02
-4	-12	-8	5.03	1.10
-4	12	-8	5.98	1.27

-4	-12	-9	19.13	1.72
-4	12	-9	20.16	2.14
-4	-12	-10	-0.18	0.76
-4	12	-10	-0.31	0.94
-4	12	-11	12.36	1.86
-4	12	-12	2.87	1.46
-4	12	-13	1.65	1.13
-4	12	-14	1.83	1.28
4	13	-15	6.35	1.69
4	13	-14	4.74	1.57
4	13	-13	19.51	2.36
4	13	-12	0.29	1.01
4	13	-11	2.03	1.21
4	13	-10	2.70	1.00
4	13	-9	0.72	0.95
4	13	-8	0.52	0.86
4	13	-7	0.27	0.73
4	13	-6	-0.03	0.64
-4	-13	6	-0.76	1.09
4	-13	-5	6.37	0.76
4	13	-5	7.05	1.16
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-4	-13	4	-0.21	0.84
4	13	-4	-1.47	0.82
-4	13	3	1.91	0.20
-4	13	3	2.02	0.22
-4	-13	3	0.54	0.85
4	-13	-3	1.91	0.73
4	13	-3	3.45	0.84
-4	-13	2	5.20	1.17
-4	13	2	6.51	0.53
4	-13	-2	7.63	1.05
-4	13	1	29.31	1.32
4	-13	-1	29.46	1.74
-4	-13	1	30.92	2.25
-4	-13	0	3.34	1.19
-4	13	0	2.96	0.57
4	-13	0	4.09	0.85
4	-13	1	2.15	0.81
-4	13	-1	1.08	0.52
-4	-13	-1	-0.51	0.99
-4	13	-2	30.37	1.80
4	-13	2	31.73	1.99
-4	-13	-2	32.32	2.42
-4	13	-3	11.33	1.25
4	-13	3	10.24	1.25
-4	-13	-3	9.77	1.26
-4	-13	-3	13.36	1.69
-4	13	-4	3.07	0.88
-4	-13	-4	4.01	1.05
-4	13	-5	0.71	0.75
-4	-13	-5	0.90	0.83
-4	13	-6	20.31	1.94
-4	-13	-6	22.06	1.78
-4	13	-7	2.90	0.99
-4	-13	-7	4.47	1.12
-4	-13	-8	49.30	2.77
-4	13	-8	53.49	3.29

-4	-13	-9	1.34	0.82
-4	13	-9	-1.07	0.86
-4	13	-10	6.46	1.40
-4	-13	-10	5.84	1.10
-4	13	-11	-0.39	0.97
-4	13	-12	3.23	1.25
-4	13	-13	0.29	1.24
-4	13	-14	1.69	1.34
4	14	-15	1.30	1.40
4	14	-14	16.33	2.36
4	14	-13	3.97	1.52
4	14	-12	38.50	3.22
4	14	-11	1.49	1.09
4	14	-10	1.24	0.92
4	14	-9	0.22	0.88
4	14	-8	0.03	0.85
4	14	-7	0.82	0.74
4	14	-6	0.49	0.76
-4	-14	6	-0.80	1.14
-4	-14	5	0.28	1.03
4	14	-5	0.03	0.65
-4	-14	4	3.20	1.20
4	14	-4	3.06	0.83
-4	-14	3	-1.55	1.18
4	14	-3	-1.26	0.73
4	-14	-3	-0.31	0.71
-4	14	2	41.22	1.29
4	-14	-2	46.16	2.35
-4	-14	2	46.74	2.79
-4	-14	1	1.31	1.06
-4	14	1	0.19	0.33
4	-14	-1	0.53	0.72
-4	14	0	2.58	0.54
-4	-14	0	1.74	0.86
4	-14	0	3.81	0.93
4	-14	1	-0.39	0.66
-4	14	-1	0.41	0.54
-4	-14	-1	-0.32	1.05
4	-14	2	75.32	3.19
-4	14	-2	73.06	2.88
-4	-14	-2	81.88	3.94
4	-14	3	3.55	0.93
-4	14	-3	3.16	0.81
-4	-14	-3	2.40	1.08
-4	-14	-4	-0.13	0.83
4	-14	4	0.96	0.87
-4	14	-4	0.30	0.63
-4	14	-5	1.48	0.79
-4	-14	-5	1.09	0.84
-4	14	-6	31.93	2.35
-4	-14	-6	31.95	2.24
-4	14	-7	0.99	0.80
-4	-14	-7	1.15	0.86
-4	14	-8	9.28	1.52
-4	-14	-8	9.20	1.40
-4	-14	-9	22.32	1.87
-4	14	-9	21.58	2.24
-4	14	-10	1.97	1.11

-4	14	-11	17.04	2.21
-4	14	-12	-1.10	1.01
-4	14	-13	0.44	1.13
-4	14	-14	-0.01	1.17
4	15	-15	1.57	1.23
4	15	-14	1.28	1.14
4	15	-13	48.02	3.72
4	15	-12	8.49	1.73
4	15	-11	1.23	0.96
4	15	-10	0.58	0.79
4	15	-9	11.20	1.62
4	15	-8	-0.38	0.81
-4	-15	7	0.39	0.86
4	15	-7	0.00	0.71
-4	-15	6	1.08	1.13
4	15	-6	-1.08	0.91
-4	-15	5	22.73	2.21
4	15	-5	25.27	2.06
-4	-15	4	1.15	1.08
4	15	-4	0.39	0.65
4	15	-3	34.95	2.24
4	-15	-3	33.76	2.15
-4	-15	3	37.95	2.69
-4	-15	2	1.03	1.06
-4	15	2	0.80	0.18
4	-15	-2	1.52	0.88
-4	15	1	27.31	1.21
4	-15	-1	29.55	1.95
-4	-15	1	30.24	2.41
-4	-15	0	1.13	1.10
4	-15	0	2.02	0.93
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4	-15	1	1.84	0.73
-4	15	-1	1.44	0.55
-4	-15	-1	0.71	1.10
4	-15	2	0.67	0.76
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-4	-15	-2	0.56	1.10
-4	15	-3	42.49	2.31
4	-15	3	42.11	2.54
-4	-15	-3	44.51	2.94
4	-15	4	2.70	0.95
-4	15	-4	2.69	0.76
-4	-15	-4	1.62	1.04
-4	15	-5	7.47	1.19
-4	-15	-5	8.22	1.31
-4	15	-6	3.36	1.01
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-4	15	-7	9.91	1.52
-4	-15	-7	9.35	1.36
-4	15	-8	1.19	1.03
-4	-15	-8	1.32	0.91
-4	-15	-9	10.92	1.49
-4	15	-9	10.24	1.67
-4	15	-10	1.60	1.09
-4	15	-11	0.84	1.11
-4	15	-12	-1.28	1.03
-4	15	-13	1.40	1.04

4	16	-14	0.08	1.09
4	16	-13	8.41	1.80
4	16	-12	3.19	1.26
4	16	-11	3.67	1.20
4	16	-10	-1.18	0.95
4	16	-9	-0.89	0.80
4	16	-8	3.57	1.15
-4	-16	8	3.79	1.43
-4	-16	7	0.28	0.99
4	16	-7	-1.91	0.96
-4	-16	6	9.09	1.75
4	16	-6	8.03	1.41
-4	-16	5	0.88	0.86
4	16	-5	-0.28	0.74
-4	-16	4	1.82	0.93
4	16	-4	2.76	0.94
-4	-16	3	-0.57	1.25
4	16	-3	0.64	0.73
4	-16	-3	0.19	0.74
4	-16	-2	20.34	1.82
-4	-16	2	18.55	2.11
-4	-16	1	3.55	1.28
-4	16	1	0.92	0.30
4	-16	-1	1.35	0.77
-4	-16	0	33.20	2.61
4	-16	0	32.17	2.22
-4	16	0	36.76	1.63
4	-16	1	1.24	0.87
-4	-16	-1	1.59	0.89
-4	16	-1	1.48	0.45
-4	16	-2	95.27	3.38
4	-16	2	92.96	3.92
-4	-16	-2	99.82	4.67
4	-16	3	4.12	1.06
-4	16	-3	5.19	0.91
-4	-16	-3	4.28	1.25
4	-16	4	0.73	1.03
-4	16	-4	0.21	0.62
-4	-16	-4	-1.00	0.96
-4	-16	-5	6.12	1.27
-4	16	-5	4.35	0.96
4	-16	5	5.30	1.32
-4	16	-6	16.11	1.68
-4	-16	-6	14.95	1.70
-4	16	-7	7.11	1.24
-4	-16	-7	6.78	1.26
-4	16	-8	16.59	2.00
-4	-16	-8	13.28	1.67
-4	16	-9	0.07	1.00
-4	16	-10	7.59	1.53
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-4	16	-12	-0.31	1.05
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4	17	-14	2.15	1.42
4	17	-13	7.04	1.78
4	17	-12	4.12	1.34
4	17	-11	30.20	2.81
4	17	-10	0.07	0.86

-4	-17	9	13.41	2.07
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-4	-17	8	0.86	1.42
4	17	-8	0.94	0.89
-4	-17	7	3.80	1.49
4	17	-7	3.44	0.89
-4	-17	6	3.71	1.48
4	17	-6	0.68	0.68
-4	-17	5	18.24	2.13
4	17	-5	18.63	1.86
-4	-17	4	0.84	1.15
4	17	-4	0.29	0.62
-4	-17	3	0.38	1.08
4	-17	-3	1.67	0.98
-4	-17	2	2.06	1.18
4	-17	-2	0.54	1.04
4	-17	-1	1.64	0.89
-4	-17	1	1.61	1.12
4	-17	0	1.30	0.90
-4	-17	0	-0.40	0.99
-4	17	0	1.18	0.47
4	-17	1	5.45	1.16
-4	17	-1	5.33	0.76
-4	-17	-1	10.19	1.83
-4	17	-2	24.76	1.63
4	-17	2	24.32	1.99
-4	-17	-2	25.81	2.50
4	-17	3	2.51	1.07
-4	17	-3	1.88	0.75
-4	-17	-3	2.55	1.36
4	-17	4	3.91	1.16
-4	-17	-4	3.06	1.13
-4	17	-4	5.09	0.94
-4	17	-5	0.10	0.68
4	-17	5	0.15	0.97
-4	-17	-5	0.98	0.97
4	-17	6	23.99	2.24
-4	-17	-6	23.90	2.03
-4	17	-6	24.36	2.14
-4	-17	-7	-0.94	1.01
-4	17	-7	0.68	0.84
-4	17	-8	5.41	1.15
-4	-17	-8	6.61	1.21
-4	17	-9	4.00	1.29
-4	17	-10	25.76	2.60
-4	17	-11	-1.84	1.30
-4	17	-12	5.62	1.63
-4	17	-13	-0.87	1.26
4	18	-13	10.58	1.97
4	18	-12	5.42	1.48
4	18	-11	1.85	1.14
-4	-18	10	21.76	2.65
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-4	-18	9	3.48	1.49
4	18	-9	1.73	1.00
-4	-18	8	3.86	1.59
4	18	-8	2.44	1.06
-4	-18	7	0.12	1.04

4	18	-7	0.55	0.87
4	18	-6	4.66	1.18
-4	-18	6	5.61	1.50
-4	-18	5	0.62	1.33
4	18	-5	0.04	0.71
-4	-18	4	9.11	1.70
4	18	-4	8.83	1.31
-4	-18	3	2.22	1.16
4	-18	-3	-0.23	0.85
4	-18	-2	1.80	0.98
-4	-18	2	2.71	1.13
-4	-18	1	0.55	1.35
4	-18	-1	-1.60	1.00
-4	-18	0	10.87	1.87
4	-18	0	14.43	1.67
4	-18	1	5.74	1.25
-4	-18	-1	6.79	1.51
4	-18	2	-1.19	0.92
-4	18	-2	0.38	0.58
-4	-18	-2	0.01	1.38
4	-18	3	1.50	0.85
-4	18	-3	0.21	0.56
-4	-18	-3	-0.51	1.10
4	-18	4	4.08	1.24
-4	18	-4	4.68	1.01
-4	-18	-4	3.96	1.27
4	-18	5	-0.53	1.09
-4	18	-5	1.32	0.94
-4	-18	-5	0.62	0.86
-4	18	-6	3.71	1.04
4	-18	6	2.59	0.93
-4	-18	-6	4.46	1.24
-4	-18	-7	1.20	1.01
-4	18	-7	-0.67	0.80
4	-18	7	1.07	1.01
-4	18	-8	6.85	1.42
-4	18	-9	34.84	2.91
-4	18	-10	0.26	0.97
-4	18	-11	2.17	1.22
-4	18	-12	2.30	1.26
4	19	-13	11.76	2.07
4	19	-12	1.01	1.20
-4	-19	11	4.50	1.70
4	19	-11	3.91	1.29
-4	-19	10	0.02	1.48
4	19	-10	2.39	1.15
4	19	-9	0.84	0.80
-4	-19	9	-0.39	1.18
4	19	-8	-0.44	0.90
-4	-19	8	-1.69	1.35
-4	-19	7	0.31	1.02
4	19	-7	-0.24	0.72
4	19	-6	0.80	0.75
-4	-19	6	-3.58	1.37
-4	-19	5	2.61	1.22
4	19	-5	1.90	0.94
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4	19	-4	1.67	0.75

-4	-19	3	2.17	1.38
4	-19	-3	1.76	0.92
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4	-19	-2	1.92	0.96
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4	-19	-1	0.67	0.86
4	-19	0	10.49	1.53
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4	-19	1	2.64	1.14
-4	-19	-1	6.66	1.77
4	-19	2	7.44	1.40
-4	-19	-2	5.84	1.55
4	-19	3	1.16	1.06
-4	-19	-3	0.89	0.98
-4	-19	-4	3.26	1.20
-4	19	-4	0.82	0.60
4	-19	4	0.86	0.92
4	-19	5	0.10	0.93
-4	19	-5	1.19	0.78
-4	-19	-5	-1.65	1.07
-4	19	-6	2.20	0.99
4	-19	6	2.23	1.17
-4	-19	-6	1.30	1.04
-4	-19	-7	1.02	0.97
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4	-19	7	-0.02	1.13
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4	-19	8	24.17	2.61
-4	19	-9	3.97	1.24
-4	19	-10	9.85	1.77
-4	19	-11	3.41	1.51
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4	20	-12	20.59	2.50
-4	-20	11	1.48	1.50
4	20	-11	0.00	1.01
-4	-20	10	2.21	1.44
4	20	-10	0.08	0.94
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4	20	-9	1.30	1.07
-4	-20	8	0.78	1.24
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-4	-20	7	-0.06	1.18
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4	20	-5	-0.98	0.80
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4	-20	-3	-0.65	1.01
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4	-20	-2	18.29	2.01
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4	21	-12	-1.27	1.19
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4	21	-10	0.83	1.10
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4	21	-6	0.72	0.80
-4	-21	5	12.36	2.25
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-4	-22	3	0.68	1.32
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4	-22	-2	9.86	1.73
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4	-22	-1	-0.67	1.29
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4	-22	5	-0.48	1.07
4	-22	6	3.59	1.51
4	-22	7	-0.70	1.14
4	-22	8	1.57	1.47
4	-22	9	2.49	1.24
4	-22	10	2.86	1.50
4	23	-11	2.41	1.26
4	23	-10	-0.35	1.00
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-4	-23	5	1.89	1.53
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-4	-23	3	2.62	1.68
4	-23	-3	0.89	1.10
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4	-23	-2	4.71	1.43
4	-23	-1	4.72	1.45
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4	-23	0	0.34	1.09
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4	-23	2	1.26	1.13
-4	-23	-2	-2.10	1.27
4	-23	3	1.11	1.13
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4	-23	4	0.41	1.21

-4	-23	-4	0.20	1.16
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4	-23	5	-0.68	1.03
4	-23	6	-0.14	1.37
4	-23	7	3.30	1.50
4	-23	8	2.69	1.60
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-4	-24	6	1.88	1.58
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-4	-24	4	4.08	1.66
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4	-24	-3	-1.93	1.30
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4	-24	-2	1.46	1.24
4	-24	-1	7.30	1.84
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-4	-24	0	2.58	1.89
4	-24	0	-0.48	1.15
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4	-24	5	-1.60	1.36
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4	-24	7	2.96	1.58
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4	-25	6	0.39	1.17
4	-26	-2	12.18	2.14
4	-26	-1	-1.39	1.31
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5	0	-9	8.90	1.22
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5	-1	-19	2.08	1.40
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-5	2	-15	7.29	1.90
-5	-2	-15	6.05	1.69
-5	2	-16	2.61	1.31
-5	-2	-16	1.16	1.40
5	-3	-20	-0.60	1.28
5	-3	-19	1.56	1.27
5	-3	-18	1.02	1.13
5	3	-18	0.86	1.29
-5	-3	18	0.65	1.45
-5	3	18	2.70	1.62
5	3	-17	9.30	1.98
-5	3	17	10.38	2.10
5	-3	-17	6.97	1.61
5	3	-16	-0.39	0.94
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5	-3	-16	-0.26	0.90
5	-3	-15	2.49	1.00
5	3	-15	0.12	0.81
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5	3	-14	1.27	1.04
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5	-3	-14	0.03	0.75
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5	-3	-11	89.99	3.82
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5	3	-10	-0.43	0.86
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5	-3	-9	129.50	4.34
5	3	-9	131.29	4.77
5	-3	-8	0.39	0.55
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-5	3	8	0.28	0.85

-5	3	8	0.29	0.30
-5	3	7	238.40	4.74
5	-3	-7	224.07	5.86
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-5	3	6	2.71	0.97
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5	3	-5	40.05	2.16
5	-3	-4	2.06	0.51
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5	3	-4	1.32	0.72
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-5	-3	3	2.35	0.63
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-5	-3	2	-1.16	0.74
-5	3	2	-0.79	0.52
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5	-3	8	33.09	1.35

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-5	-3	-11	5.58	1.27
-5	-3	-12	5.22	1.37
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-5	-4	-2	39.32	2.10
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-5	-7	3	88.22	3.20
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-5	7	2	8.43	0.96
-5	7	1	65.04	2.53
5	-7	-1	63.89	2.37
5	-7	-1	67.25	1.79
-5	-7	1	63.79	2.61
-5	7	0	34.81	1.89
5	-7	0	33.29	1.59
-5	-7	0	33.24	2.09
-5	-7	0	34.01	1.86
5	-7	0	33.40	1.22
-5	-7	-1	58.61	2.60
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-5	-7	-1	59.61	2.58
-5	-7	-2	96.82	3.43
-5	7	-2	99.81	3.62
-5	-7	-2	92.59	3.47
-5	-7	-3	4.18	0.99
-5	7	-3	4.67	0.97
-5	7	-4	91.93	3.69
-5	-7	-4	92.98	3.53
-5	-7	-5	6.07	1.10

-5	7	-5	5.57	1.23
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-5	7	-6	6.38	1.22
-5	-7	-7	19.25	1.68
-5	-7	-8	57.43	2.88
-5	-7	-9	-0.23	0.90
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-5	7	-12	-0.08	1.16
-5	-7	-12	2.64	1.05
-5	7	-13	1.18	1.43
-5	-7	-13	2.28	1.05
-5	7	-14	2.71	1.36
-5	-7	-14	1.13	0.99
-5	7	-15	1.08	1.22
-5	-7	-15	-1.28	1.28
-5	-7	-16	5.23	1.50
5	8	-17	2.86	1.66
5	8	-16	1.39	1.48
5	8	-15	-0.14	1.04
-5	8	15	-2.35	1.56
5	8	-14	4.05	1.50
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5	-8	-13	3.98	0.90
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5	8	-9	1.05	0.90
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5	8	-8	69.00	3.48
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-5	8	3	2.78	0.50
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5	9	-9	145.01	5.42
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5	10	-6	17.29	1.72

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-5	-15	-5	1.97	1.08
-5	-15	-6	0.34	0.89
-5	15	-6	0.61	0.91
-5	15	-7	-0.35	0.86

-5	-15	-7	3.06	1.16
-5	15	-8	97.11	4.72
-5	-15	-8	101.10	4.31
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-5	-15	-9	4.23	1.22
-5	15	-10	9.34	1.75
-5	15	-11	-0.19	1.00
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5	16	-14	3.22	1.52
5	16	-13	-0.02	1.14
5	16	-12	2.93	1.39
5	16	-11	-1.12	1.03
5	16	-10	1.21	0.92
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-5	-16	9	-0.34	1.04
-5	-16	8	6.27	1.66
5	16	-8	3.65	1.15
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5	16	-5	0.66	0.68
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-5	-16	4	37.14	2.85
-5	-16	3	-0.52	1.06
5	-16	-3	-0.07	0.66
-5	-16	2	3.12	1.13
5	-16	-2	1.24	0.78
-5	-16	1	7.37	1.57
-5	16	1	7.12	0.72
5	-16	-1	6.72	1.11
5	-16	0	9.79	1.27
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-5	-16	0	7.24	1.48
-5	16	-1	29.64	1.77
-5	-16	-1	28.44	2.56
5	-16	1	27.27	1.99
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-5	-16	-2	27.70	2.60
5	-16	2	23.89	1.92
5	-16	3	0.99	0.87
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5	-16	5	-0.03	0.93
-5	16	-5	0.92	0.79
-5	-16	-5	1.86	1.09
-5	-16	-6	3.44	1.13
-5	16	-6	4.72	1.21
-5	16	-7	45.82	3.08
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5	17	-14	1.64	1.10
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-5	-17	-1	40.87	3.10
5	-17	1	42.65	2.60
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-5	-17	-3	10.30	1.77
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-5	-17	-6	0.76	0.87
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-5	17	-9	-0.91	1.01
-5	17	-10	3.47	1.26
-5	17	-11	-0.16	0.96
-5	17	-12	2.13	1.30
5	18	-13	0.60	1.33

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-5	-18	7	1.05	1.19
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5	-18	1	2.15	1.01
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5	-18	4	11.07	1.65
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5	19	-13	9.17	1.87
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5	19	-11	-1.64	1.34
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5	19	-9	1.82	1.05

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6	0	-13	-0.22	0.89
6	0	-12	0.61	0.82
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-6	-1	0	29.27	1.79
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6	1	0	26.54	1.14
6	1	1	0.99	0.43
-6	1	-1	1.45	0.71
-6	1	-1	0.49	0.20
-6	-1	-1	-0.06	0.78
6	-1	1	-0.06	0.32
-6	-1	-2	928.73	17.89
-6	1	-2	963.60	17.98
6	-1	2	963.66	16.42
6	1	2	986.15	16.82
-6	-1	-3	27.45	1.86
6	1	3	30.64	1.58
-6	1	-3	26.96	1.88
-6	1	-4	14.36	1.54
-6	-1	-4	11.34	1.36
-6	1	-5	7.05	1.28
-6	-1	-5	8.37	1.31
-6	1	-6	164.30	5.42
-6	-1	-6	172.70	5.40
-6	1	-7	31.01	2.23
-6	-1	-7	29.98	2.22
-6	1	-8	262.55	7.54
-6	-1	-8	275.92	7.64
-6	-1	-9	13.25	1.79
-6	1	-9	13.03	1.84
-6	1	-10	49.27	3.10
-6	-1	-10	50.40	3.04
-6	1	-11	0.93	1.08
-6	-1	-11	1.86	1.16
-6	1	-12	15.17	1.92
-6	-1	-12	13.88	1.89
-6	1	-13	-1.49	1.28
-6	-1	-13	0.04	1.04
-6	-1	-14	-0.37	1.20
-6	1	-14	-0.31	1.16
-6	1	-15	-1.54	1.33
-6	-1	-15	0.56	1.35
6	-2	-19	0.01	1.16
6	-2	-18	2.00	1.21
6	2	-18	1.79	1.16
-6	-2	18	-0.26	1.48
-6	2	18	3.11	1.96
6	-2	-17	0.13	0.99
-6	-2	17	0.44	1.52
-6	2	17	1.14	1.39
6	2	-17	0.49	0.91

6	-2	-16	4.66	1.37
6	2	-16	2.31	1.11
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6	-2	-15	2.12	1.08
6	2	-15	2.60	1.19
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6	-2	-14	1.88	0.89
6	2	-14	-0.88	0.93
-6	2	14	0.86	1.17
6	2	-13	14.55	1.92
6	-2	-13	13.81	1.74
-6	2	13	14.55	2.04
6	2	-12	7.94	1.43
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-6	2	12	6.81	1.41
6	-2	-11	1.08	0.66
6	2	-11	0.72	0.79
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6	2	-10	1.11	0.81
6	-2	-10	2.13	0.78
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-6	2	10	0.24	0.91
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-6	2	9	4.31	1.24
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6	-2	-8	118.50	4.18
6	2	-8	115.78	4.39
-6	2	8	118.15	3.16
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6	-2	-7	-0.35	0.60
-6	2	7	-0.30	0.43
-6	2	6	38.20	2.21
-6	2	6	38.96	1.72
6	2	-6	38.33	2.32
6	-2	-6	38.17	2.11
-6	-2	5	3.82	0.88
-6	2	5	4.00	0.70
-6	2	5	2.86	0.81
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-6	2	4	205.40	4.88
-6	2	4	191.15	5.10
-6	2	3	35.39	0.98
-6	2	3	40.51	1.88
-6	-2	3	38.58	1.56
-6	2	3	37.67	1.81
-6	-2	3	37.44	1.99
-6	2	2	273.06	6.19
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-6	-2	1	57.06	2.50

-6	-2	1	55.15	1.85
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-6	-2	-2	1.14	0.84
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-6	-2	-4	35.73	2.17
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-6	-2	-7	33.21	2.28
-6	2	-8	33.72	2.59
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-6	-2	-9	179.96	5.90
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-6	-2	-15	-1.38	1.23
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6	3	-18	2.19	1.17
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-6	3	14	2.73	1.44
6	3	-14	-0.16	0.99
6	-3	-13	1.27	0.94
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6	3	-12	2.44	1.15

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6	-3	-11	15.59	1.62
6	3	-11	13.60	1.73
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6	-3	-9	9.56	1.22
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-6	3	8	0.58	0.87
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-6	3	6	3.55	0.86
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-6	-3	4	38.42	2.10
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-6	-3	3	-0.59	0.72
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-6	3	3	-0.07	0.54
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-6	-3	2	97.63	3.38
-6	3	2	93.93	2.84
-6	-3	2	94.07	2.72
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-6	3	1	4.86	0.69
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-6	-3	0	134.46	3.54
-6	3	0	138.78	4.20
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-6	-3	-1	8.32	1.20
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-6	3	-2	163.70	4.88
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-6	-3	-4	85.34	2.09

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-6	-3	-15	2.34	1.46
6	-4	-18	2.99	1.17
6	4	-18	3.14	1.41
6	-4	-17	3.32	1.22
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6	-4	-16	7.31	1.35
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6	-4	-15	4.16	1.18
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6	-4	-12	2.20	0.82
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6	4	-8	8.59	1.32
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6	-6	-4	126.03	3.47
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-6	6	3	9.64	1.04
-6	6	2	49.19	2.21
-6	-6	2	52.32	2.60
-6	-6	2	48.01	2.18
-6	-6	1	0.49	0.64
-6	6	1	1.91	0.80
-6	-6	1	2.08	0.91
6	-6	-1	1.30	0.59
-6	6	0	12.63	1.30
6	-6	0	12.23	0.93
-6	-6	0	12.09	1.16
6	-6	0	9.36	0.47
-6	-6	0	9.94	1.21
6	-6	1	62.46	1.97
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-6	-6	-1	61.13	2.57
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6	-6	2	102.92	2.55
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-6	-6	-2	93.72	3.69
-6	-6	-3	3.98	1.10
6	-6	3	3.27	0.40
-6	6	-3	3.61	1.10
-6	-6	-4	25.36	1.97
-6	6	-4	20.91	1.88
-6	-6	-5	16.44	1.64
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-6	-6	-6	17.56	1.71
-6	6	-6	15.49	1.79
-6	-6	-7	11.90	1.58
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-6	-6	-8	50.23	2.93
-6	-6	-9	5.37	1.25
-6	-6	-10	1.07	0.92
-6	-6	-11	2.95	1.11
-6	6	-12	-0.38	1.21
-6	-6	-12	0.54	0.94
-6	6	-13	2.70	1.27
-6	-6	-13	2.16	1.20
-6	6	-14	2.80	1.46
-6	-6	-15	2.60	1.42
-6	-6	-16	0.52	1.13
6	7	-17	1.05	1.25
-6	7	17	2.47	1.63
6	7	-16	1.35	1.19
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6	7	-15	4.98	1.42
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6	-7	-13	4.37	1.04
6	7	-13	5.39	1.35
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6	7	-12	-0.49	0.75
6	-7	-12	-0.18	0.62
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6	7	-11	6.16	1.34
-6	7	11	8.29	1.47
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-6	-7	-1	1.44	0.82
-6	-7	-2	5.31	1.05
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-6	7	-3	100.31	3.96
-6	-7	-3	103.71	3.91
-6	-7	-4	35.70	2.33
-6	7	-4	37.04	2.47
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-6	-7	-6	28.08	2.06
-6	7	-6	26.43	2.20
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6	8	-13	-0.93	1.08
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6	-8	-12	11.72	1.38

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-6	8	-6	1.18	0.89
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-6	-8	-11	7.01	1.38
-6	8	-11	9.64	1.82
-6	-8	-12	0.91	0.93
-6	8	-12	-0.31	1.08

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6	-14	4	23.79	1.80
-6	-14	-4	26.09	2.23
-6	-14	-5	1.75	1.07
-6	14	-5	-0.57	0.80
-6	14	-6	-0.82	0.80
-6	-14	-6	2.02	1.18
-6	-14	-7	1.10	0.97
-6	14	-7	1.21	1.07
-6	-14	-8	0.57	1.05

-6	14	-8	1.73	1.15
-6	14	-9	4.25	1.26
-6	-14	-9	3.72	1.17
-6	14	-10	1.08	1.22
-6	-14	-10	-2.09	1.18
-6	14	-11	-1.55	1.26
-6	14	-12	0.78	1.21
6	15	-14	1.22	1.14
6	15	-13	17.64	2.45
6	15	-12	0.72	0.89
6	15	-11	28.56	2.77
6	15	-10	-0.07	0.79
-6	-15	9	13.01	2.06
6	15	-9	8.81	1.67
6	15	-8	1.96	1.08
-6	-15	8	0.04	1.00
-6	-15	7	13.49	1.82
6	15	-7	16.03	1.94
-6	-15	6	-2.09	1.27
6	15	-6	-0.23	0.78
-6	-15	5	0.89	1.08
6	15	-5	1.24	0.78
-6	-15	4	-0.36	1.07
-6	-15	3	13.49	1.75
-6	-15	2	0.87	1.14
6	-15	-2	0.64	0.65
6	-15	-1	32.49	1.92
-6	-15	1	29.94	2.48
6	-15	0	-0.17	0.65
-6	-15	0	-0.81	0.90
6	-15	1	7.58	1.10
-6	-15	-1	8.86	1.84
-6	-15	-2	24.05	2.39
-6	-15	-2	27.20	2.51
6	-15	2	31.24	2.06
-6	-15	-3	18.31	2.08
6	-15	3	18.33	1.59
-6	-15	-3	20.40	2.22
6	-15	4	2.54	0.96
-6	15	-4	2.92	0.96
-6	-15	-4	2.42	1.08
-6	-15	-5	15.18	1.86
6	-15	5	13.57	1.58
-6	15	-5	15.19	1.73
-6	15	-6	-0.34	0.88
-6	-15	-6	1.12	1.10
-6	15	-7	0.90	0.88
-6	-15	-7	2.93	1.09
-6	-15	-8	4.14	1.13
-6	15	-8	4.99	1.33
-6	15	-9	1.89	1.24
-6	-15	-9	1.27	1.12
-6	15	-10	1.80	1.21
-6	15	-11	-0.16	1.08
-6	15	-12	-0.04	1.03
6	16	-14	-0.43	0.99
6	16	-13	-0.18	1.09
6	16	-12	13.37	2.06

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-6	-16	10	1.08	0.97
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-6	-16	9	0.59	1.33
6	16	-9	2.26	1.04
-6	-16	8	5.29	1.37
6	16	-8	3.79	1.21
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6	16	-7	-0.79	0.80
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6	16	-6	9.92	1.55
-6	-16	5	3.31	1.21
-6	-16	4	7.46	1.47
-6	-16	3	-0.32	0.99
-6	-16	2	-0.87	1.17
6	-16	-2	0.50	0.69
-6	-16	1	-0.07	1.00
6	-16	-1	0.36	0.74
6	-16	0	0.79	0.76
-6	16	0	-0.13	0.49
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-6	-16	-1	-0.29	1.05
-6	16	-2	43.21	2.44
-6	-16	-2	45.55	3.06
-6	-16	-2	43.10	3.20
6	-16	2	41.14	2.42
-6	16	-3	18.40	1.69
-6	-16	-3	17.53	1.97
-6	-16	-3	17.17	2.03
6	-16	3	15.44	1.62
6	-16	4	10.08	1.42
-6	16	-4	7.81	1.34
-6	-16	-4	8.00	1.54
-6	-16	-5	9.72	1.67
6	-16	5	8.57	1.35
-6	16	-5	10.13	1.51
-6	16	-6	-0.32	0.86
-6	-16	-6	1.01	0.94
-6	16	-7	1.22	0.90
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-6	-16	-8	4.06	1.31
-6	16	-8	3.39	1.19
-6	-16	-9	0.26	1.00
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-6	16	-12	0.04	0.99
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6	17	-12	-0.79	1.17
-6	-17	11	10.77	1.97
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6	17	-9	0.94	0.87
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-6	-17	8	-0.37	1.17
6	17	-8	-0.29	0.91

-6	-17	7	-0.92	1.09
6	17	-7	-0.73	0.95
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6	17	-6	2.50	1.08
-6	-17	5	1.14	1.42
-6	-17	4	3.34	1.30
-6	-17	3	-0.66	1.20
-6	-17	2	0.39	1.13
6	-17	-2	2.69	0.96
-6	-17	1	9.01	1.81
6	-17	-1	7.82	1.16
-6	-17	0	2.11	1.41
6	-17	0	1.82	0.91
6	-17	1	1.40	0.85
-6	17	-1	3.16	0.78
-6	-17	-1	0.19	1.27
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-6	17	-3	-0.26	0.63
-6	-17	-3	-1.16	1.14
-6	-17	-3	-1.37	1.05
-6	17	-4	19.39	1.87
6	-17	4	19.77	1.93
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-6	-17	-6	10.74	1.74
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-6	17	-7	1.12	1.03
-6	-17	-7	0.92	1.20
-6	-17	-8	9.64	1.63
-6	17	-8	7.37	1.54
-6	17	-9	1.22	1.11
-6	17	-10	11.09	1.84
-6	17	-11	2.08	1.35
6	18	-13	1.73	1.39
6	18	-12	-0.66	0.91
-6	-18	12	3.68	1.60
-6	-18	11	2.40	1.70
6	18	-11	0.36	1.05
6	18	-10	-0.19	0.96
-6	-18	10	-0.68	1.28
-6	-18	9	1.21	1.47
6	18	-9	-0.97	0.90
-6	-18	8	5.90	1.82
6	18	-8	3.35	1.27
-6	-18	7	3.04	1.51
6	18	-7	0.25	0.82
6	18	-6	2.60	1.11
-6	-18	6	3.38	1.61
-6	-18	5	0.39	0.93
-6	-18	4	2.68	1.28
-6	-18	3	1.44	1.38

-6	-18	2	9.76	1.67
6	-18	-2	9.12	1.27
6	-18	-1	18.94	1.81
-6	-18	1	18.31	2.24
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-6	-18	0	-0.61	1.20
6	-18	1	1.54	0.94
-6	-18	-1	2.18	1.54
6	-18	2	3.38	1.08
-6	-18	-2	0.09	1.14
-6	-18	-2	0.67	1.27
-6	-18	-3	23.08	2.34
6	-18	3	27.42	2.25
-6	-18	-3	27.94	2.75
6	-18	4	1.34	1.02
-6	18	-4	1.10	0.78
-6	-18	-4	0.52	1.02
6	-18	5	10.75	1.64
-6	18	-5	7.13	1.30
-6	-18	-5	6.96	1.42
-6	-18	-6	5.06	1.33
6	-18	6	2.84	1.21
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-6	18	-7	13.15	1.81
6	-18	7	13.97	1.87
-6	-18	-7	14.32	1.95
-6	18	-8	-0.43	0.86
-6	-18	-8	0.19	1.08
-6	18	-9	-0.26	0.98
-6	18	-10	-1.02	1.11
-6	18	-11	6.95	1.71
6	19	-12	1.02	1.00
6	19	-11	2.26	1.27
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-6	-19	10	-2.92	1.78
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-6	-19	9	6.96	1.75
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6	19	-8	-0.57	0.99
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-6	-19	6	2.53	1.43
6	19	-6	2.05	1.03
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-6	-19	2	3.82	1.41
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-6	-19	1	1.78	1.15
6	-19	-1	1.10	0.86
6	-19	0	-1.42	0.92
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6	-19	1	7.18	1.29
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-6	-19	-2	3.15	1.26
-6	-19	-2	2.43	1.43

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-6	-19	-3	8.81	1.91
-6	-19	-3	6.85	1.65
-6	-19	-4	3.70	1.40
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-6	-19	-6	3.02	1.33
-6	19	-6	1.31	0.98
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-6	19	-9	4.52	1.51
-6	19	-10	1.06	1.11
-6	19	-11	-0.90	1.27
6	20	-12	-0.50	1.07
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-6	-20	10	1.90	1.57
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6	20	-7	1.19	1.05
-6	-20	6	1.59	1.48
-6	-20	5	-1.43	1.27
-6	-20	4	0.98	1.10
-6	-20	3	-0.55	1.34
-6	-20	2	0.83	1.04
-6	-20	1	0.68	1.38
-6	-20	0	1.64	1.32
-6	-20	-1	2.92	1.65
-6	-20	-2	0.64	1.14
-6	-20	-2	0.62	1.18
-6	-20	-3	-0.74	1.22
-6	-20	-3	3.07	1.21
-6	-20	-4	8.77	1.77
-6	-20	-5	-0.06	1.04
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-6	-20	-7	0.26	1.13
-6	20	-10	-0.65	1.04
6	21	-11	2.83	1.28
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-6	-21	9	4.99	1.99
6	21	-9	1.42	1.13
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6	21	-8	0.36	0.89
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-6	-21	6	0.63	1.38
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-6	-21	4	-0.80	1.50
-6	-21	3	0.89	1.45
-6	-21	2	1.21	1.16
-6	-21	1	1.43	1.45
-6	-21	0	-2.08	1.21
-6	-21	-1	6.81	1.90
-6	-21	-2	1.38	1.36

-6	-21	-2	4.39	1.77
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-6	-21	-4	1.53	1.23
-6	-21	-5	3.59	1.33
-6	-21	-6	2.98	1.26
6	22	-10	2.23	1.42
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-6	-22	6	-0.43	1.38
-6	-22	5	-2.19	1.55
-6	-22	4	2.21	1.67
-6	-22	3	0.42	1.42
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-6	-22	-3	2.56	1.40
-6	-22	-3	2.89	1.69
-6	-22	-4	0.59	1.22
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-6	-22	-6	-0.64	1.24
6	23	-10	1.41	1.11
6	23	-9	2.87	1.44
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-6	-23	-1	4.68	1.55
-6	-23	-2	-0.10	1.21
-6	-23	-2	4.11	1.80
-6	-23	-3	-0.82	1.27
-6	-23	-3	3.73	1.73
-6	-23	-4	2.39	1.35
-6	-23	-5	0.40	1.11
-6	-24	-2	4.13	1.67
-6	-24	-3	0.49	1.20
-6	-24	-4	0.77	1.28
-6	-25	-2	-0.10	1.20
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7	0	-19	23.88	2.97
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7	0	-14	0.12	1.01

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7	0	-11	-0.21	0.74
7	0	-10	0.31	0.65
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7	0	-9	0.32	0.71
-7	0	8	1.78	0.67
7	0	-8	1.08	0.72
7	0	-7	15.32	1.55
-7	0	7	16.01	1.26
-7	0	6	0.10	0.58
-7	0	5	25.01	1.63
-7	0	4	0.35	0.37
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-7	0	1	54.98	2.60
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-7	0	-9	20.31	2.12
-7	0	-10	-1.68	1.30
-7	0	-11	28.58	2.49
-7	0	-12	0.56	1.19
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7	1	-18	0.90	1.07
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-7	1	17	3.91	1.71
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7	1	-15	26.77	2.68

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7	-1	-13	3.85	1.29
7	-1	-12	0.30	0.82
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-7	1	11	50.74	3.19
7	-1	-11	44.44	2.90
7	1	-11	44.73	2.99
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7	-1	-10	1.03	0.72
7	1	-10	0.71	0.78
-7	-1	9	64.95	2.63
7	-1	-9	61.27	3.19
7	1	-9	59.76	3.25
-7	1	9	61.58	2.39
-7	1	8	0.16	0.55
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7	-1	-8	0.74	0.70
7	1	-8	0.46	0.73
7	-1	-7	100.73	3.89
-7	-1	7	106.98	3.51
-7	1	7	102.47	3.27
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-7	-1	4	29.68	1.34
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-7	1	2	13.40	1.29
-7	-1	2	15.30	1.47
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-7	1	1	21.95	1.69
-7	-1	1	16.87	1.55
-7	1	1	19.47	1.11
-7	-1	0	13.41	1.40
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7	1	0	13.34	0.85
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7	-1	1	18.45	0.91
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7	-1	2	90.43	2.59
7	1	2	85.22	2.66

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7	-1	3	0.24	0.42
-7	-1	-4	109.28	4.20
-7	1	-4	106.04	4.19
-7	1	-5	23.10	1.94
-7	-1	-5	24.19	2.01
-7	1	-6	59.62	3.23
-7	-1	-6	62.12	3.29
-7	-1	-7	0.84	1.07
-7	1	-7	-1.55	1.04
-7	-1	-8	17.99	1.91
-7	1	-8	18.83	1.98
-7	1	-9	-1.24	1.05
-7	-1	-9	2.23	1.21
-7	1	-10	0.61	1.01
-7	-1	-10	0.37	1.11
-7	1	-11	1.93	1.37
-7	-1	-11	-1.89	1.31
-7	1	-12	32.31	2.83
-7	-1	-12	32.96	2.86
-7	1	-13	0.44	1.33
-7	-1	-13	1.08	1.12
-7	-1	-14	11.01	1.81
7	-2	-19	3.41	1.44
7	-2	-18	0.11	1.00
7	2	-18	0.52	1.15
7	-2	-17	1.56	1.19
7	2	-17	0.28	1.00
-7	-2	17	4.20	1.82
-7	2	17	-0.30	1.47
7	-2	-16	8.56	1.57
7	2	-16	10.33	1.85
-7	2	16	10.59	2.17
7	-2	-15	6.39	1.48
7	2	-15	4.57	1.48
-7	2	15	3.91	1.35
7	-2	-14	7.09	1.48
7	2	-14	8.07	1.54
-7	2	14	7.11	1.69
7	-2	-13	0.39	0.76
7	2	-13	0.83	1.04
-7	2	13	1.34	1.36
-7	2	12	34.78	2.83
7	-2	-12	34.69	2.62
7	2	-12	35.70	2.74
7	2	-11	1.35	0.84
-7	2	11	2.61	1.21
-7	2	11	1.55	0.53
7	-2	-11	3.38	1.08
-7	2	10	25.57	2.23
-7	2	10	24.44	1.38
7	-2	-10	24.37	2.05
7	2	-10	22.97	2.10
-7	2	9	1.52	0.90
-7	2	9	1.80	0.51
7	-2	-9	2.87	0.90

7	2	-9	1.62	0.85
-7	2	8	42.49	2.66
-7	2	8	42.26	1.91
-7	-2	8	42.30	2.16
7	-2	-8	38.66	2.39
7	2	-8	43.96	2.69
-7	-2	7	14.29	1.35
-7	2	7	13.18	1.14
-7	2	7	12.56	1.51
7	2	-7	14.80	1.61
-7	-2	6	34.21	2.02
-7	2	6	39.77	1.89
-7	2	6	33.43	2.16
-7	2	5	1.55	0.60
-7	2	5	0.94	0.65
-7	-2	5	1.42	0.73
-7	-2	4	222.31	5.02
-7	2	4	225.67	5.58
-7	2	4	216.57	5.60
-7	-2	4	229.35	5.91
-7	2	3	21.04	1.55
-7	2	3	21.66	1.45
-7	-2	3	21.85	1.68
-7	-2	3	21.46	1.16
-7	2	2	35.31	1.98
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-7	-2	2	36.42	2.12
-7	-2	2	36.38	1.47
-7	-2	1	1.50	0.84
-7	2	1	1.63	0.71
-7	2	1	1.54	0.51
-7	-2	1	1.31	0.40
7	2	0	7.24	0.72
-7	-2	0	7.41	1.17
-7	2	0	6.26	1.08
-7	2	0	6.87	0.62
-7	-2	-1	72.66	3.16
7	-2	1	74.07	1.89
7	2	1	76.44	2.44
-7	2	-1	71.09	3.14
-7	-2	-2	36.73	2.28
7	-2	2	38.33	1.46
7	2	2	37.19	1.75
-7	2	-2	36.62	2.27
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-7	2	-4	42.52	2.62
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-7	2	-7	42.07	2.81
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-7	2	-8	0.25	1.07
-7	-2	-9	-0.01	1.03
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7	-3	-18	2.34	1.28
7	3	-18	1.50	1.34
7	-3	-17	3.84	1.27
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7	-3	-15	34.83	2.91
7	3	-15	36.83	3.08
7	3	-14	1.11	1.00
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-7	3	13	35.26	2.96
7	-3	-13	31.31	2.52
7	3	-13	27.31	2.61
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-7	3	12	3.97	1.43
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7	-3	-11	0.89	0.77
7	-3	-10	1.06	0.80
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7	3	-7	2.95	1.00
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-7	3	7	4.00	0.97
-7	-3	7	3.97	0.86
7	3	-6	3.99	1.01
-7	-3	6	5.28	1.04
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-7	3	5	58.65	2.39
-7	-3	5	61.86	2.71
-7	3	5	58.08	2.70
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-7	3	4	3.09	0.86

-7	3	4	2.95	0.81
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-7	-3	3	82.76	2.62
-7	-3	3	84.60	3.28
-7	3	3	85.47	3.04
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-7	3	2	7.64	0.86
-7	-3	2	9.00	0.86
-7	3	1	12.32	1.28
-7	3	1	11.10	0.87
-7	-3	1	16.31	1.56
-7	-3	1	13.89	1.04
7	3	0	14.69	1.02
-7	-3	0	13.63	1.45
-7	3	0	15.45	1.53
-7	3	-1	9.73	1.25
-7	-3	-1	7.88	1.29
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7	3	1	9.27	0.90
-7	-3	-2	2.24	0.85
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-7	3	-3	15.43	1.69
-7	-3	-3	14.78	1.57
-7	3	-4	2.18	1.03
-7	-3	-4	3.42	0.36
-7	-3	-4	4.77	1.06
-7	3	-5	32.05	2.42
-7	-3	-5	30.25	2.23
-7	-3	-6	-0.78	1.01
-7	3	-6	2.27	1.19
-7	-3	-7	5.80	1.36
-7	3	-7	7.18	1.52
-7	-3	-8	4.00	1.35
-7	3	-8	4.70	1.43
-7	-3	-9	2.14	1.18
-7	3	-9	0.29	1.11
-7	3	-10	4.76	1.45
-7	-3	-10	6.25	1.42
-7	3	-11	0.14	1.08
-7	-3	-11	3.40	1.38
-7	3	-12	1.02	1.24
-7	-3	-12	1.72	1.25
-7	-3	-13	1.04	1.11
-7	3	-14	3.29	1.71
-7	-3	-14	0.59	1.10
7	-4	-18	6.15	1.55
7	4	-18	10.34	2.05
7	-4	-17	1.06	1.10
7	4	-17	-1.23	1.46
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7	-4	-16	9.31	1.63
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7	4	-15	0.38	1.05
-7	4	15	1.21	1.18

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-7	4	14	8.03	1.81
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7	4	-12	9.07	1.56
7	-4	-12	9.29	1.33
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7	4	-11	-0.91	0.81
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-7	4	9	2.51	0.52
7	4	-9	1.57	0.83
7	-4	-9	1.64	0.72
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-7	4	6	3.22	0.99
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-7	4	4	250.49	6.16
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-7	4	4	257.31	5.98
-7	-4	4	257.44	5.85
-7	-4	3	0.82	0.51
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-7	-4	3	1.65	0.86
-7	-4	2	1.62	0.56
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-7	4	1	4.73	1.00
-7	-4	1	4.59	0.76
7	4	0	26.35	1.46
-7	-4	0	25.66	1.92
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-7	-4	-5	3.45	0.43
-7	-4	-5	4.37	1.08
-7	-4	-6	5.30	1.33
-7	4	-6	5.49	1.21
-7	-4	-7	4.40	1.30
-7	4	-7	-0.08	1.19
-7	-4	-8	1.23	0.93
-7	4	-8	1.17	1.05
-7	4	-9	20.08	2.19
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7	-5	-16	2.26	1.01
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7	-5	-15	15.31	1.91
7	5	-15	16.72	2.37
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7	5	-13	4.42	1.36
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7	5	-11	8.42	1.51
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7	5	-6	2.90	0.90

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-7	-5	4	30.56	2.04
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-7	-6	-13	37.22	2.95
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7	7	-16	5.06	1.50
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7	-7	-14	1.42	0.75
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7	-7	-13	22.08	1.99
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7	7	-13	21.36	2.48
7	7	-12	3.69	1.16
7	-7	-12	1.78	0.74
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7	-7	-11	39.49	2.49
7	7	-11	34.81	2.84
7	-7	-10	-0.38	0.63
-7	7	10	-1.09	1.19
7	7	-10	-0.27	0.81
-7	7	9	4.84	1.40
7	7	-9	4.63	1.23
7	7	-8	5.45	1.10
-7	7	8	4.73	1.31
-7	7	8	5.82	0.66
-7	7	7	4.48	1.07
-7	7	7	2.59	0.58
7	7	-7	2.14	0.89
7	7	-6	0.75	0.75
7	-7	-6	0.59	0.51
-7	7	6	-0.92	0.86
-7	7	6	0.03	0.50
-7	7	6	0.34	0.46
-7	-7	5	61.62	2.80
-7	7	5	60.44	2.38
-7	7	5	62.27	1.89
-7	-7	4	10.73	1.26
-7	7	4	11.72	1.17
-7	7	4	9.27	0.55
-7	7	3	22.47	1.56
-7	-7	3	26.02	1.97
-7	-7	3	23.33	1.67
-7	-7	2	7.28	1.03
-7	7	2	6.44	1.03
-7	-7	2	6.37	1.12
-7	-7	1	1.15	0.89
-7	-7	1	1.16	0.72
-7	7	1	0.58	0.78

-7	-7	0	2.11	0.98
7	-7	0	2.92	0.60
-7	-7	0	3.59	0.88
-7	7	0	3.45	0.92
-7	-7	-1	9.96	1.42
7	-7	1	8.64	0.82
-7	-7	-1	7.83	1.10
-7	7	-1	9.14	1.32
7	-7	1	8.05	0.56
7	-7	2	2.70	0.49
-7	7	-2	1.25	0.93
-7	-7	-2	3.64	1.07
-7	-7	-3	3.20	1.07
7	-7	3	4.49	0.50
-7	7	-3	6.40	1.30
-7	-7	-4	197.51	6.24
-7	7	-4	210.65	6.47
-7	-7	-5	8.25	1.42
-7	7	-5	5.30	1.35
-7	7	-6	18.21	2.03
-7	-7	-6	15.42	1.76
-7	7	-7	0.68	1.21
-7	-7	-7	0.31	0.99
-7	7	-8	86.08	4.41
-7	-7	-8	87.93	4.12
-7	-7	-9	3.48	1.31
-7	-7	-10	0.41	1.04
-7	-7	-11	1.68	1.25
-7	-7	-12	95.70	4.63
-7	-7	-13	0.24	1.20
-7	7	-13	-0.15	1.32
7	8	-16	1.42	1.41
-7	8	16	1.56	1.44
7	8	-15	4.69	1.52
-7	8	15	9.93	2.14
7	8	-14	8.28	1.75
-7	8	14	5.67	1.63
7	8	-13	0.94	1.04
7	-8	-13	2.90	0.98
-7	8	13	1.69	1.26
-7	8	12	23.39	2.42
7	-8	-12	23.47	1.96
7	8	-12	19.92	2.37
7	8	-11	1.68	0.94
7	-8	-11	0.75	0.63
-7	8	11	3.16	1.08
-7	8	10	67.28	3.71
7	8	-10	62.87	3.76
-7	8	9	0.11	0.98
7	8	-9	-0.68	0.86
7	8	-8	32.20	2.57
-7	8	7	0.06	0.45
7	8	-7	0.81	0.76
-7	-8	6	24.29	1.90
7	-8	-6	22.12	1.30
-7	8	6	24.66	1.39
-7	8	6	21.79	1.26
7	8	-6	23.98	2.17

-7	8	5	0.18	0.33
-7	-8	5	-0.49	0.73
-7	8	5	-0.02	0.56
-7	8	4	84.88	2.16
-7	8	4	89.11	3.14
-7	-8	4	96.42	3.62
-7	-8	3	0.43	0.72
-7	8	3	0.48	0.63
-7	8	2	177.77	5.12
-7	-8	2	180.73	5.69
-7	-8	2	179.23	5.20
-7	-8	1	-0.08	0.86
-7	8	1	-0.73	0.90
-7	-8	1	-0.86	0.73
-7	-8	0	24.54	2.07
-7	8	0	21.10	1.77
-7	-8	0	21.62	1.75
7	-8	0	20.58	0.78
7	-8	1	2.12	0.40
-7	-8	-1	3.66	1.15
7	-8	1	2.74	0.56
-7	8	-1	2.80	1.05
-7	-8	-1	2.54	0.87
-7	-8	-2	11.85	1.56
7	-8	2	11.52	0.90
-7	8	-2	12.49	1.54
7	-8	3	1.75	0.45
-7	8	-3	2.27	1.16
-7	-8	-3	1.25	0.95
-7	-8	-4	73.77	3.55
-7	8	-4	71.06	3.67
-7	-8	-5	-0.58	0.89
-7	8	-5	-0.24	1.03
-7	8	-6	7.87	1.63
-7	-8	-6	6.45	1.36
-7	8	-7	6.79	1.66
-7	-8	-7	8.67	1.44
-7	-8	-8	0.78	0.96
-7	-8	-9	7.96	1.55
-7	-8	-10	-1.88	1.19
-7	-8	-11	2.60	1.18
-7	-8	-12	1.52	1.26
-7	8	-12	1.53	1.36
-7	8	-13	13.86	2.36
7	9	-16	2.66	1.50
7	9	-15	10.90	1.91
7	9	-14	0.29	1.02
7	9	-13	2.96	1.26
7	9	-12	0.28	0.82
7	-9	-12	1.69	0.70
7	9	-11	1.06	0.94
7	9	-10	0.43	1.12
7	9	-9	9.47	1.56
7	9	-8	3.23	1.03
7	9	-7	60.67	3.50
-7	9	6	5.32	0.73
7	9	-6	5.81	1.29
-7	-9	6	6.62	1.20

-7	9	6	6.62	0.84
-7	9	5	41.84	1.66
-7	9	5	43.17	2.01
-7	-9	5	44.01	2.57
-7	-9	4	-0.65	0.78
-7	9	4	-0.14	0.28
-7	9	4	-0.09	0.69
-7	9	3	73.71	2.97
-7	-9	3	71.40	3.19
-7	9	2	134.43	4.36
-7	-9	2	134.89	4.89
-7	-9	2	136.41	4.59
-7	-9	1	1.74	0.86
-7	-9	1	1.88	0.92
-7	9	1	1.98	0.85
-7	-9	0	28.97	2.30
-7	9	0	26.58	2.00
-7	-9	0	30.32	2.06
7	-9	0	26.10	1.05
-7	9	-1	30.48	2.20
-7	-9	-1	32.13	2.16
7	-9	1	34.58	1.37
-7	-9	-1	30.44	2.25
7	-9	2	35.89	1.57
-7	9	-2	41.68	2.64
7	-9	2	35.12	1.66
-7	-9	-2	34.07	2.41
-7	9	-3	3.18	1.23
-7	-9	-3	4.36	1.23
-7	9	-4	40.18	2.75
-7	-9	-4	38.16	2.66
-7	-9	-5	25.26	2.14
-7	9	-5	26.10	2.36
-7	-9	-6	54.47	3.20
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-7	-9	-8	6.96	1.38
-7	-9	-9	1.90	1.08
-7	-9	-10	7.75	1.50
-7	-9	-11	-0.35	1.26
-7	-9	-12	1.63	1.19
-7	9	-12	4.13	1.64
-7	9	-13	1.50	1.35
7	10	-16	7.42	1.59
7	10	-15	-0.51	1.18
7	10	-14	9.91	1.85
7	10	-13	1.10	1.06
7	10	-12	12.98	1.91
7	10	-11	1.37	0.90
7	10	-10	1.23	1.02
7	10	-9	-0.39	0.95
7	10	-8	87.90	4.29
-7	-10	7	1.90	0.98
7	10	-7	2.53	1.07
-7	-10	6	48.75	2.86
7	10	-6	43.93	2.82
-7	10	5	4.16	0.63
-7	-10	5	3.37	1.01
-7	-10	4	63.47	3.12

-7	-10	3	-0.66	0.93
-7	10	3	0.04	0.71
-7	10	2	25.83	1.88
-7	-10	2	27.01	2.01
-7	-10	1	-0.38	0.83
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-7	-10	1	1.58	1.00
7	-10	-1	0.52	0.31
-7	-10	0	1.39	1.09
-7	10	0	0.86	0.89
-7	-10	0	1.33	0.90
7	-10	0	-0.11	0.36
7	-10	1	1.94	0.49
-7	10	-1	1.19	0.91
-7	-10	-1	1.25	0.76
-7	-10	-1	1.04	1.12
-7	-10	-2	8.49	1.54
-7	10	-2	10.44	1.53
7	-10	2	11.31	0.95
-7	-10	-3	0.53	0.99
-7	-10	-4	1.17	1.06
-7	-10	-5	2.16	1.19
-7	-10	-6	-0.57	0.89
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-7	-10	-9	18.13	2.02
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-7	-10	-11	0.61	1.12
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-7	10	-12	0.98	1.45
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7	11	-15	6.45	1.71
7	11	-14	-1.31	1.27
7	11	-13	3.45	1.46
7	11	-12	0.90	1.13
7	11	-11	22.41	2.46
7	11	-10	-0.46	0.76
7	11	-9	8.74	1.52
7	11	-8	3.47	1.25
-7	-11	7	137.19	5.23
7	11	-7	134.86	5.50
7	11	-6	-0.27	0.67
-7	-11	6	-0.88	1.06
-7	-11	5	21.42	2.03
-7	-11	4	-0.29	0.76
-7	-11	3	40.56	2.54
-7	-11	2	7.42	1.26
-7	-11	1	22.35	2.02
7	-11	-1	19.71	1.06
-7	-11	1	20.77	1.84
-7	-11	0	92.28	4.14
-7	-11	0	105.21	4.20
7	-11	0	95.20	2.72
-7	-11	-1	15.12	1.71
7	-11	1	13.29	1.02
-7	-11	-1	15.63	1.74
7	-11	2	1.57	0.55

-7	-11	-2	1.87	1.19
-7	-11	-2	1.63	1.02
-7	-11	-3	-0.13	0.98
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-7	-11	-9	0.87	1.08
-7	-11	-10	11.33	1.73
-7	11	-10	8.58	1.71
-7	-11	-11	1.17	1.03
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7	12	-15	3.60	1.56
7	12	-14	2.58	1.28
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7	12	-10	10.02	1.75
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7	12	-7	0.65	0.80
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-7	-12	6	39.79	2.75
-7	-12	5	1.45	0.99
-7	-12	4	10.44	1.53
-7	-12	3	16.06	1.70
-7	-12	2	30.95	2.35
-7	-12	1	7.72	1.44
7	-12	-1	9.77	0.90
-7	-12	1	8.67	1.36
-7	-12	0	86.93	4.05
-7	-12	0	88.10	3.97
7	-12	0	82.83	2.63
7	-12	1	2.03	0.64
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-7	-12	-1	0.96	0.97
7	-12	2	-0.41	0.57
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7	13	-13	29.25	3.04
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7	13	-11	1.86	1.13
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7	13	-9	8.78	1.61
7	13	-8	0.65	0.86
-7	-13	8	1.63	1.19
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7	13	-7	10.65	1.70
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7	13	-6	-0.03	0.76
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-7	-13	3	-1.94	1.02
-7	-13	2	0.84	0.85
7	-13	-1	12.62	1.09
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-7	-13	0	4.78	1.31
7	-13	0	4.91	0.74
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-7	-13	-1	30.67	2.54
7	-13	1	29.95	1.67
7	-13	2	3.34	0.73
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7	-13	3	2.94	0.86
-7	-13	-3	3.75	1.33
-7	-13	-4	12.93	1.75
7	-13	4	11.41	1.26
-7	-13	-5	0.10	1.06
-7	-13	-6	3.32	1.23
-7	-13	-7	-0.61	1.09
-7	-13	-8	31.15	2.63
-7	13	-8	30.29	2.83
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-7	-13	-9	2.22	1.02
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-7	13	-12	18.93	2.61
7	14	-14	1.88	1.37
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7	14	-12	19.55	2.54
7	14	-11	1.22	0.99
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7	14	-8	-1.61	1.22
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7	14	-7	0.56	0.86
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-7	-14	0	17.30	1.97
7	-14	0	15.11	1.25
-7	-14	0	15.47	1.96
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7	-15	0	9.69	1.07
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7	-15	2	0.45	0.61
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-7	-15	-2	2.02	1.28
7	-15	3	1.30	0.89
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-7	-15	-8	12.09	1.80
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-7	15	-9	1.32	1.25
-7	-15	-9	3.16	1.28
-7	15	-10	5.25	1.72
-7	15	-11	0.63	1.25
7	16	-13	0.39	0.95
7	16	-12	-0.52	1.33
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7	16	-11	0.49	1.17
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7	16	-8	10.58	1.81
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-7	-16	3	0.33	1.10
-7	-16	2	7.26	1.53
-7	-16	1	2.16	1.47
-7	-16	0	1.36	1.24
-7	-16	0	0.96	0.98
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-7	-16	-5	1.76	1.02
-7	16	-5	1.55	0.90
-7	16	-6	-1.59	1.10
-7	-16	-6	-0.51	0.96
-7	16	-7	3.84	1.35
-7	-16	-7	2.80	1.31
-7	-16	-8	-0.37	1.14
-7	16	-8	0.79	1.05
-7	-16	-9	41.29	3.05
-7	16	-9	39.71	3.26
-7	16	-10	1.77	1.24
-7	16	-11	-0.41	1.02
7	17	-13	1.99	1.16
-7	-17	12	-1.84	1.67
7	17	-12	0.83	1.09
-7	-17	11	-1.26	1.60
7	17	-11	2.16	1.39
-7	-17	10	-1.38	1.36
7	17	-10	-0.70	1.16

-7	-17	9	-0.17	1.23
7	17	-9	0.77	1.04
-7	-17	8	1.08	1.41
7	17	-8	0.57	0.80
-7	-17	7	18.02	2.33
7	17	-7	20.12	2.26
-7	-17	6	3.19	1.31
-7	-17	5	1.63	1.13
-7	-17	4	3.05	1.27
-7	-17	3	2.04	1.22
-7	-17	2	0.46	1.16
-7	-17	1	2.66	1.25
-7	-17	0	5.77	1.44
-7	-17	-1	6.15	1.41
-7	-17	-1	13.95	2.17
-7	17	-2	3.92	1.01
-7	-17	-2	2.53	1.13
-7	-17	-2	4.97	1.57
-7	17	-3	0.70	0.81
-7	-17	-3	2.04	1.24
-7	17	-4	2.84	0.99
-7	-17	-4	3.97	1.39
-7	-17	-5	2.08	1.15
-7	17	-5	0.54	0.87
-7	17	-6	0.14	0.83
-7	-17	-6	0.22	1.06
-7	17	-7	0.92	0.96
-7	-17	-7	0.03	1.09
-7	-17	-8	-0.09	1.04
-7	17	-8	1.22	1.03
-7	17	-9	-0.53	0.99
-7	17	-10	5.81	1.63
-7	-18	12	44.72	3.85
7	18	-12	42.18	3.71
-7	-18	11	0.76	1.50
7	18	-11	1.13	1.27
-7	-18	10	-2.31	1.60
7	18	-10	-0.50	1.05
-7	-18	9	1.99	1.58
7	18	-9	-0.36	1.05
7	18	-8	29.02	2.78
-7	-18	8	32.34	3.08
-7	-18	7	-0.34	1.13
7	18	-7	0.67	0.91
-7	-18	6	11.40	1.97
-7	-18	5	1.28	1.40
-7	-18	4	22.60	2.53
-7	-18	3	4.28	1.54
-7	-18	2	-1.68	1.40
-7	-18	1	0.34	1.25
-7	-18	0	26.47	2.79
-7	-18	-1	6.60	1.55
-7	-18	-1	9.64	1.93
-7	-18	-2	-2.09	1.34
-7	-18	-2	-0.30	1.26
-7	-18	-3	0.36	1.03
-7	-18	-4	5.74	1.61
-7	-18	-5	0.49	1.11

-7	18	-5	-0.55	0.92
-7	18	-6	0.87	0.97
-7	-18	-6	0.21	1.09
-7	18	-7	2.66	1.10
-7	-18	-7	-0.53	1.31
-7	-18	-8	4.41	1.36
-7	18	-8	4.16	1.29
-7	18	-9	2.74	1.24
-7	18	-10	1.91	1.20
-7	-19	11	8.57	1.97
7	19	-11	8.59	1.88
-7	-19	10	2.11	1.20
7	19	-10	1.42	1.22
-7	-19	9	1.29	1.34
7	19	-9	2.66	1.31
-7	-19	8	0.52	1.18
7	19	-8	1.23	0.88
-7	-19	7	16.02	2.42
-7	-19	6	1.69	1.31
-7	-19	5	3.14	1.41
-7	-19	4	-1.70	1.23
-7	-19	3	24.50	2.72
-7	-19	2	0.00	1.27
-7	-19	1	-1.05	1.26
-7	-19	0	0.97	1.07
-7	-19	-1	35.24	3.09
-7	-19	-1	35.26	3.16
-7	-19	-2	1.25	1.17
-7	-19	-2	-1.01	1.14
-7	-19	-3	1.33	1.40
-7	-19	-4	2.73	1.30
-7	-19	-5	1.41	1.17
-7	-19	-6	2.91	1.35
-7	-19	-7	-0.57	1.02
-7	19	-8	1.84	1.15
-7	19	-9	1.07	1.08
-7	19	-10	1.77	1.24
7	20	-11	0.96	1.13
-7	-20	10	3.04	1.61
7	20	-10	2.63	1.45
-7	-20	9	-1.28	1.18
7	20	-9	-2.00	1.23
-7	-20	8	1.31	1.55
7	20	-8	-0.49	0.96
-7	-20	7	1.85	1.50
-7	-20	6	0.67	1.05
-7	-20	5	-0.99	1.07
-7	-20	4	0.83	1.31
-7	-20	3	2.82	1.63
-7	-20	2	2.15	1.36
-7	-20	1	2.84	1.48
-7	-20	0	6.64	1.84
-7	-20	-1	9.13	1.87
-7	-20	-1	8.22	1.68
-7	-20	-2	6.37	1.68
-7	-20	-2	3.01	1.45
-7	-20	-3	-0.46	1.09
-7	-20	-4	-0.66	1.12

-7	-20	-5	0.04	1.20
-7	-20	-6	-0.82	1.16
-7	-20	-7	-0.45	1.12
7	21	-10	-2.09	1.27
7	21	-9	0.44	0.99
-7	-21	8	1.11	1.39
-7	-21	7	5.96	1.96
-7	-21	6	4.46	1.82
-7	-21	5	4.25	1.73
-7	-21	4	-1.24	1.46
-7	-21	3	-0.48	1.47
-7	-21	2	4.95	1.59
-7	-21	1	8.06	2.01
-7	-21	0	9.64	2.05
-7	-21	-1	1.82	1.41
-7	-21	-1	0.49	1.36
-7	-21	-2	-0.18	1.25
-7	-21	-2	-0.79	1.33
-7	-21	-3	-1.18	1.31
-7	-21	-4	-1.37	1.20
-7	-21	-5	0.11	1.05
-7	-21	-6	2.32	1.26
7	22	-10	2.49	1.20
7	22	-9	-1.18	0.90
-7	-22	6	9.95	2.15
-7	-22	5	1.79	1.67
-7	-22	4	3.02	1.63
-7	-22	3	-1.26	1.58
-7	-22	2	6.43	1.73
-7	-22	1	-0.25	1.52
-7	-22	0	2.94	1.64
-7	-22	-1	4.23	1.68
-7	-22	-1	4.63	1.93
-7	-22	-2	1.65	1.32
-7	-22	-2	0.24	1.40
-7	-22	-3	0.44	1.31
-7	-22	-4	0.67	1.23
-7	-22	-5	-3.28	1.34
-7	-22	-6	1.08	1.34
-7	-23	4	1.36	1.41
-7	-23	3	-3.71	1.69
-7	-23	2	-0.92	1.53
-7	-23	1	-1.46	1.26
-7	-23	0	3.35	1.89
-7	-23	-1	3.53	1.84
-7	-23	-2	3.65	1.84
-7	-23	-3	1.60	1.38
-7	-23	-4	1.83	1.41
-7	-23	-5	-1.97	1.37
-7	-24	-1	8.29	2.12
-7	-24	-2	-1.09	1.52
-7	-24	-3	2.83	1.55
-7	-24	-4	0.41	1.43
8	0	-18	0.44	1.01
8	0	-17	1.37	1.20
-8	0	17	0.13	1.40
-8	0	16	22.11	2.83
8	0	-16	21.32	2.48

8	0	-15	-1.28	1.18
-8	0	15	2.25	1.42
-8	0	14	74.65	4.49
8	0	-14	73.09	4.25
-8	0	13	-1.03	1.32
8	0	-13	-0.30	0.90
8	0	-12	42.82	3.03
-8	0	11	0.17	0.65
8	0	-11	1.17	1.01
8	0	-10	111.12	4.76
-8	0	10	111.39	3.77
-8	0	9	-0.51	0.53
8	0	-9	-0.40	0.65
-8	0	8	19.01	1.44
-8	0	7	-0.81	0.66
-8	0	6	359.36	8.28
-8	0	5	0.47	0.39
-8	0	5	-1.02	0.81
-8	0	4	77.00	2.14
-8	0	4	76.53	3.17
-8	0	3	1.21	0.75
-8	0	3	0.13	0.24
-8	0	2	18.08	1.61
-8	0	1	0.84	0.85
8	0	0	8.47	0.63
-8	0	0	9.79	0.76
-8	0	0	8.85	1.28
8	0	1	0.25	0.34
-8	0	-1	-0.13	0.24
8	0	2	82.64	2.57
-8	0	-2	78.97	3.58
-8	0	-3	-0.55	0.81
8	0	3	0.17	0.44
-8	0	-4	7.41	1.28
-8	0	-5	0.26	0.84
-8	0	-6	7.04	1.42
-8	0	-7	0.81	0.97
-8	0	-8	0.20	0.94
-8	0	-9	0.79	1.15
-8	0	-10	-0.67	1.07
-8	0	-11	-1.96	1.26
-8	0	-12	1.59	1.26
-8	0	-13	0.60	1.32
-8	0	-14	1.06	1.47
8	-1	-18	1.08	1.13
8	1	-18	0.25	1.14
8	-1	-17	-0.81	0.94
8	1	-17	0.05	1.06
-8	-1	17	1.84	1.41
-8	1	17	2.53	1.79
8	1	-16	2.08	1.38
-8	-1	16	0.75	1.55
-8	1	16	0.31	1.26
8	-1	-16	0.50	1.00
-8	-1	15	22.21	2.70
-8	1	15	17.47	2.61
8	1	-15	18.68	2.42
8	-1	-15	17.26	2.16

-8	1	14	-0.08	1.24
8	-1	-14	-0.73	1.06
8	1	-14	0.40	0.95
-8	1	13	32.89	2.83
8	-1	-13	30.24	2.60
8	1	-13	31.43	2.77
8	1	-12	0.76	0.79
-8	-1	12	2.08	0.78
-8	1	12	0.26	0.99
8	-1	-12	0.93	0.93
8	1	-11	130.71	5.44
-8	-1	11	123.74	4.29
-8	1	11	132.64	5.52
-8	1	11	133.45	3.94
8	-1	-11	138.83	5.45
-8	-1	10	0.86	0.65
-8	1	10	2.05	1.23
8	-1	-10	1.03	0.94
8	1	-10	1.55	0.98
-8	1	10	0.62	0.57
8	-1	-9	-0.74	0.81
-8	-1	9	-0.13	0.60
8	1	-9	0.49	0.92
-8	1	9	0.09	0.54
-8	-1	8	7.27	1.10
-8	1	8	6.82	0.95
8	1	-8	8.13	1.30
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-8	-1	7	224.52	5.94
-8	-1	6	12.35	1.31
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-8	1	5	39.01	2.16
-8	-1	5	39.63	2.21
-8	1	4	71.05	2.99
-8	-1	4	69.80	3.09
-8	1	4	70.87	1.83
-8	-1	4	71.83	2.21
-8	1	3	37.21	2.17
-8	1	3	37.38	1.90
-8	-1	3	37.48	2.26
-8	1	3	34.21	0.95
-8	-1	3	38.00	1.42
-8	-1	2	0.51	0.81
-8	1	2	0.51	0.50
-8	-1	2	-0.05	0.31
-8	1	2	0.69	0.86
-8	-1	1	6.92	1.21
-8	1	1	6.83	0.73
-8	1	1	5.88	1.04
-8	-1	0	13.06	1.53
8	1	0	12.17	0.84
-8	1	0	12.38	0.82
-8	1	0	12.63	1.47
8	1	1	182.60	4.29
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8	-1	1	182.96	3.89
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-8	1	-2	12.65	1.54
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8	-1	2	12.71	0.91
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-8	-1	-3	4.10	0.95
8	-1	3	4.50	0.72
-8	1	-4	1.40	0.99
-8	-1	-4	1.00	0.83
-8	1	-5	18.37	1.94
-8	-1	-5	23.54	2.13
-8	1	-6	3.96	1.36
-8	-1	-6	5.18	1.30
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-8	1	-7	3.09	1.33
-8	-1	-8	1.27	1.16
-8	1	-8	-0.54	1.21
-8	1	-9	0.89	1.14
-8	-1	-9	1.41	1.14
-8	1	-10	4.66	1.51
-8	-1	-10	5.08	1.63
-8	1	-11	1.81	1.24
-8	-1	-11	-1.53	1.30
-8	1	-12	6.34	1.70
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-8	1	-13	1.69	1.52
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8	-2	-19	3.63	1.43
8	2	-18	2.82	1.43
8	-2	-18	-0.74	1.15
8	2	-17	-0.41	1.22
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8	-2	-17	0.78	0.97
8	2	-16	10.15	1.89
-8	-2	16	10.42	2.18
-8	2	16	8.88	2.22
8	-2	-16	10.32	1.83
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8	-2	-15	5.24	1.33
-8	2	14	0.84	1.06
8	-2	-14	0.99	1.02
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8	2	-11	-1.25	1.09

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-8	2	2	17.62	1.53
-8	2	2	16.16	1.18
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-8	-2	-11	5.32	1.36
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8	-3	-18	1.37	1.12
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8	-3	-17	1.16	1.12
8	3	-16	3.25	1.35
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8	-3	-16	4.73	1.41
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8	-3	-14	4.00	1.26
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8	3	-10	1.89	1.00
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8	3	-8	9.04	1.38
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-8	3	6	6.42	1.17
-8	3	6	6.89	1.02
-8	-3	6	7.71	1.18

-8	-3	5	3.96	0.77
-8	3	5	4.70	0.95
-8	-3	5	4.80	1.05
-8	3	5	4.38	0.85
-8	-3	4	1.49	0.59
-8	-3	4	2.31	0.89
-8	3	4	1.80	0.77
-8	3	4	1.75	0.71
-8	3	3	18.90	1.41
-8	-3	3	20.10	1.75
-8	-3	3	21.49	1.28
-8	3	3	21.65	1.69
-8	3	2	20.76	1.31
-8	-3	2	19.51	1.79
-8	-3	2	20.78	1.26
-8	3	2	21.12	1.72
-8	3	1	0.76	0.81
-8	-3	1	0.44	0.92
-8	3	1	0.30	0.51
-8	-3	1	0.37	0.44
8	3	0	79.95	2.67
-8	-3	0	81.14	3.56
-8	3	0	86.30	3.61
-8	-3	-1	3.46	1.11
-8	3	-1	3.85	1.07
8	-3	1	3.77	0.34
-8	-3	-2	187.83	5.98
-8	3	-2	186.98	5.98
8	-3	2	197.94	4.21
-8	3	-3	0.68	0.84
-8	-3	-3	2.24	0.97
-8	3	-4	13.78	1.72
-8	-3	-4	11.60	1.65
-8	-3	-5	0.38	0.93
-8	3	-5	1.08	1.14
-8	3	-6	59.49	3.40
-8	-3	-6	59.93	3.37
-8	-3	-7	-0.96	1.16
-8	3	-7	0.20	1.12
-8	-3	-8	2.29	1.09
-8	3	-8	0.81	1.18
-8	-3	-9	1.48	1.14
-8	3	-9	-1.48	1.26
-8	3	-10	2.98	1.51
-8	-3	-10	1.62	1.23
-8	3	-11	-0.80	1.19
-8	-3	-11	0.05	1.17
-8	3	-12	28.05	2.83
-8	-3	-12	19.18	2.36
-8	-3	-13	-2.70	1.50
-8	-3	-14	8.72	1.76
8	4	-17	0.28	0.99
8	-4	-17	0.12	0.94
8	4	-16	4.23	1.59
-8	4	16	6.61	1.81
8	-4	-16	4.07	1.20
8	4	-15	7.26	1.72
-8	4	15	7.80	1.91

8	-4	-15	6.04	1.38
8	4	-14	-0.17	0.84
-8	4	14	-0.59	1.25
8	-4	-14	0.14	0.82
-8	4	13	1.72	1.39
8	-4	-13	0.50	0.72
8	4	-13	0.77	1.11
-8	4	12	14.37	1.96
8	-4	-12	14.09	1.77
8	4	-12	15.72	2.07
8	-4	-11	5.35	1.18
-8	4	11	6.37	1.48
8	4	-11	3.69	1.37
8	-4	-10	2.38	1.00
-8	4	10	-0.14	1.03
-8	4	10	0.98	0.53
8	4	-10	1.56	0.98
-8	4	9	-0.63	0.92
-8	4	9	0.67	0.45
8	4	-9	1.44	0.87
-8	4	8	49.40	2.93
-8	-4	8	44.45	2.71
8	4	-8	47.43	3.03
-8	4	8	47.64	2.07
-8	-4	7	0.57	0.75
-8	4	7	1.07	0.64
-8	4	7	0.15	0.76
-8	-4	6	25.90	1.91
-8	4	6	22.12	1.83
-8	4	6	23.34	1.53
-8	-4	5	6.28	1.15
-8	-4	5	5.88	0.88
-8	4	5	6.26	0.98
-8	4	5	6.36	1.06
-8	4	5	4.95	0.38
-8	4	4	13.49	1.31
-8	-4	4	12.84	1.46
-8	4	4	13.83	1.31
-8	-4	4	13.09	1.12
-8	-4	3	0.67	0.53
-8	-4	3	0.98	0.80
-8	4	3	2.45	0.80
-8	4	3	1.78	0.72
-8	-4	2	2.00	0.83
-8	4	2	2.33	0.88
-8	4	2	3.03	0.65
-8	-4	2	2.33	0.66
-8	4	1	10.49	1.39
-8	-4	1	12.02	1.53
-8	-4	1	9.64	0.98
-8	-4	0	24.14	1.98
-8	4	0	21.83	1.84
-8	-4	-1	128.56	4.67
-8	4	-1	126.80	4.58
8	-4	1	117.42	2.32
-8	4	-2	5.42	1.19
-8	-4	-2	5.97	1.30
8	-4	2	5.12	0.52

-8	4	-3	7.69	1.45
-8	-4	-3	8.36	1.43
-8	-4	-4	0.09	0.95
-8	4	-4	1.30	1.01
-8	-4	-5	9.38	1.57
-8	4	-5	12.00	1.77
-8	-4	-6	1.04	1.04
-8	4	-6	-0.23	0.97
-8	4	-7	26.07	2.44
-8	-4	-7	24.17	2.32
-8	-4	-8	0.37	1.17
-8	4	-8	1.73	1.30
-8	-4	-9	7.82	1.53
-8	4	-9	9.75	1.85
-8	-4	-10	2.20	1.40
-8	4	-10	2.28	1.47
-8	4	-11	0.66	1.10
-8	-4	-11	1.73	1.17
-8	4	-12	-1.29	1.71
-8	-4	-12	-0.78	1.36
-8	-4	-13	22.10	2.40
-8	-4	-14	-0.69	1.21
8	5	-17	1.57	1.18
8	5	-16	0.55	1.13
-8	5	16	1.90	1.51
8	-5	-16	2.47	1.08
8	5	-15	11.52	2.04
-8	5	15	13.35	2.43
8	-5	-15	14.30	1.94
8	5	-14	1.99	1.17
-8	5	14	0.48	1.15
8	-5	-14	2.94	1.07
8	5	-13	2.11	1.00
8	-5	-13	2.37	0.94
-8	5	13	1.79	1.33
-8	5	12	-0.69	1.12
8	-5	-12	0.48	0.80
8	5	-12	0.59	0.91
-8	5	11	15.08	2.03
8	-5	-11	13.79	1.59
8	5	-11	15.86	2.02
-8	5	10	0.06	1.14
8	5	-10	1.18	0.95
-8	5	9	8.52	1.45
-8	5	9	9.78	0.88
8	5	-9	6.93	1.37
-8	5	8	1.04	0.56
-8	5	8	1.20	0.98
8	5	-8	1.16	0.93
-8	5	7	132.98	4.85
-8	-5	7	147.10	4.94
-8	5	7	137.12	3.99
-8	5	6	0.73	0.58
-8	-5	6	2.02	0.73
-8	-5	6	3.16	1.10
-8	5	6	2.94	0.91
-8	5	6	2.73	0.42
-8	-5	5	56.19	2.93

-8	5	5	52.83	2.66
-8	5	5	50.18	1.28
-8	5	5	55.19	2.43
-8	-5	5	53.19	2.41
-8	-5	4	13.09	1.47
-8	5	4	14.19	1.41
-8	5	4	14.87	1.39
-8	-5	4	13.38	1.24
-8	-5	3	35.87	2.36
-8	5	3	39.77	2.22
-8	-5	3	40.32	2.00
-8	5	2	3.55	0.96
-8	-5	2	4.04	1.02
-8	-5	2	2.66	0.62
-8	-5	1	17.83	1.74
-8	5	1	18.33	1.70
-8	-5	1	21.07	1.49
-8	-5	0	30.15	2.20
-8	5	0	30.83	2.20
-8	-5	-1	54.47	3.02
-8	5	-1	54.03	2.95
-8	-5	-2	35.48	2.48
-8	5	-2	36.65	2.53
-8	-5	-3	-0.23	0.97
-8	5	-3	1.62	1.06
-8	-5	-4	4.48	1.16
-8	5	-4	3.62	1.16
-8	-5	-5	-0.09	0.99
-8	5	-5	1.67	1.26
-8	-5	-6	8.22	1.45
-8	5	-6	6.52	1.37
-8	-5	-7	4.37	1.31
-8	5	-7	4.50	1.41
-8	-5	-8	0.77	1.09
-8	5	-8	0.61	1.11
-8	-5	-9	-0.23	1.10
-8	5	-9	0.89	1.26
-8	-5	-10	12.10	2.01
-8	5	-10	12.25	2.00
-8	5	-11	-0.22	1.18
-8	-5	-11	-0.03	1.09
-8	-5	-12	9.44	1.83
-8	-5	-13	0.70	1.31
-8	-5	-14	9.77	1.86
8	6	-17	0.28	1.09
8	6	-16	14.24	2.25
-8	6	16	15.89	2.48
8	6	-15	-0.13	0.96
-8	6	15	-2.08	1.40
8	-6	-15	1.00	0.83
-8	6	14	21.66	2.71
8	-6	-14	19.62	2.10
8	6	-14	22.49	2.61
8	6	-13	0.37	0.88
-8	6	13	-0.70	1.43
8	-6	-13	-0.29	0.77
-8	6	12	40.90	3.15
8	-6	-12	41.65	2.80

8	6	-12	39.81	3.19
-8	6	11	0.73	1.07
8	6	-11	0.07	0.85
-8	6	10	71.31	3.85
8	6	-10	74.37	4.14
-8	6	9	1.44	0.49
-8	6	9	2.03	1.16
8	6	-9	2.45	1.09
8	6	-8	262.07	8.03
-8	6	8	256.98	7.58
-8	6	8	263.90	5.92
-8	6	7	0.27	0.54
-8	6	7	0.03	0.89
8	6	-7	1.36	1.00
-8	-6	6	97.32	3.67
-8	6	6	99.78	4.02
-8	-6	6	98.04	4.05
-8	6	6	96.19	3.29
-8	6	6	100.67	2.60
-8	6	5	3.64	0.80
-8	6	5	2.40	0.26
-8	-6	5	3.02	0.91
-8	-6	5	2.38	0.90
-8	6	5	2.27	0.88
-8	-6	4	25.49	2.06
-8	6	4	26.31	1.81
-8	-6	4	27.65	1.75
-8	-6	3	128.42	4.65
-8	6	3	116.56	4.07
-8	-6	3	116.15	3.85
-8	6	2	42.82	2.44
-8	-6	2	46.74	2.23
-8	-6	2	42.93	2.62
-8	6	1	2.34	1.04
-8	-6	1	1.02	0.84
-8	-6	1	1.60	0.67
-8	6	0	193.76	5.94
-8	-6	0	207.49	6.26
-8	-6	0	198.92	5.36
-8	6	-1	79.04	3.65
-8	-6	-1	81.33	3.77
-8	-6	-2	54.30	3.11
-8	6	-2	59.70	3.22
-8	-6	-3	38.97	2.61
-8	6	-3	36.42	2.53
-8	-6	-4	4.23	1.15
-8	6	-4	2.71	1.13
-8	-6	-5	99.10	4.42
-8	6	-5	99.27	4.47
-8	-6	-6	15.11	1.87
-8	6	-6	15.60	2.05
-8	-6	-7	2.82	1.31
-8	6	-7	1.00	1.21
-8	-6	-8	0.07	1.15
-8	6	-8	0.26	1.36
-8	6	-9	32.56	2.87
-8	-6	-9	30.35	2.66
-8	-6	-10	2.62	1.30

-8	6	-10	0.29	1.25
-8	-6	-11	2.27	1.23
-8	-6	-12	-0.60	1.24
-8	-6	-13	10.92	1.83
8	7	-16	2.85	1.59
-8	7	16	2.70	1.77
-8	7	15	33.06	3.30
8	7	-15	33.90	3.24
8	7	-14	1.18	1.13
-8	7	14	0.10	1.26
8	-7	-14	-0.87	0.81
8	-7	-13	2.28	0.91
-8	7	13	2.28	1.26
8	7	-13	1.00	0.90
-8	7	12	1.29	1.17
8	-7	-12	1.11	0.74
8	7	-12	0.07	1.01
-8	7	11	25.35	2.51
8	7	-11	25.38	2.53
-8	7	10	0.09	1.07
8	7	-10	0.95	0.86
-8	7	9	16.89	1.97
8	7	-9	15.07	1.95
-8	7	8	16.72	1.16
-8	7	8	16.50	1.78
8	7	-8	16.61	2.00
-8	7	7	137.17	5.07
-8	7	7	142.44	3.97
8	7	-7	143.67	5.48
-8	-7	6	1.48	0.86
-8	7	6	0.84	0.64
-8	7	5	35.13	1.92
-8	-7	5	31.70	2.42
-8	7	5	29.22	0.96
-8	-7	5	33.45	2.10
-8	-7	4	1.09	1.00
-8	-7	4	0.80	0.64
-8	7	4	0.59	0.65
-8	-7	3	51.75	2.99
-8	7	3	49.09	2.55
-8	-7	3	50.46	2.53
-8	-7	2	3.63	0.95
-8	-7	2	1.63	0.98
-8	7	2	0.64	0.78
-8	7	1	54.28	2.79
-8	-7	1	53.21	2.65
-8	-7	1	59.22	3.17
-8	7	0	125.60	4.62
-8	-7	0	131.45	4.25
-8	-7	0	128.66	4.78
-8	7	-1	211.23	6.09
-8	-7	-1	216.35	6.39
-8	-7	-2	2.60	1.07
-8	7	-2	1.70	1.20
-8	-7	-3	32.11	2.50
-8	7	-3	31.36	2.52
-8	-7	-4	3.24	1.13
-8	7	-4	3.47	1.22

-8	7	-5	13.67	2.00
-8	-7	-5	8.70	1.48
-8	7	-6	14.24	2.05
-8	-7	-6	11.70	1.74
-8	-7	-7	3.36	1.55
-8	7	-7	1.93	1.46
-8	-7	-8	1.39	1.21
-8	7	-8	-0.23	1.08
-8	-7	-9	0.05	1.09
-8	7	-9	2.38	1.43
-8	-7	-10	3.21	1.30
-8	-7	-11	0.31	1.12
-8	-7	-12	4.33	1.51
-8	-7	-13	2.61	1.33
8	8	-16	2.86	1.64
-8	8	16	1.82	1.43
8	8	-15	5.35	1.78
-8	8	15	4.52	1.90
8	8	-14	17.88	2.32
-8	8	14	14.53	2.23
-8	8	13	-2.56	1.39
8	8	-13	0.51	1.14
-8	8	12	0.56	1.20
8	8	-12	0.74	0.98
8	8	-11	0.83	1.02
-8	8	11	0.52	0.96
-8	8	10	15.93	2.02
8	8	-10	16.93	2.09
-8	8	9	4.67	1.48
8	8	-9	7.17	1.55
-8	8	8	1.58	0.54
8	8	-8	0.67	0.94
-8	-8	7	13.45	1.59
8	8	-7	12.92	1.75
-8	8	7	13.98	1.14
-8	-8	6	13.07	1.52
-8	8	6	11.26	1.11
-8	8	5	47.70	2.31
-8	-8	5	50.50	2.70
-8	-8	4	15.53	1.52
-8	-8	4	13.54	1.64
-8	8	4	12.22	1.32
-8	8	3	14.75	1.51
-8	-8	3	16.60	1.55
-8	-8	3	16.73	1.84
-8	-8	2	24.42	2.09
-8	8	2	26.36	1.94
-8	-8	2	25.02	1.86
-8	-8	1	423.73	10.29
-8	8	1	412.27	9.80
-8	-8	1	418.28	9.56
-8	-8	0	12.19	1.65
-8	8	0	11.48	1.52
-8	-8	0	13.28	1.45
-8	8	-1	186.33	5.92
-8	-8	-1	191.93	6.06
8	-8	1	168.53	3.34
8	-8	2	24.64	1.15

-8	8	-2	27.71	2.34
-8	-8	-2	25.30	2.13
-8	-8	-3	170.35	5.92
-8	8	-3	167.88	5.91
-8	-8	-4	0.81	0.98
-8	8	-4	0.14	1.02
-8	-8	-5	1.67	1.03
-8	8	-5	2.40	1.42
-8	8	-6	1.03	1.16
-8	-8	-6	1.22	1.13
-8	-8	-7	302.49	8.74
-8	8	-7	296.77	9.14
-8	8	-8	-0.12	1.28
-8	-8	-8	1.05	1.23
-8	-8	-9	4.68	1.39
-8	-8	-10	-1.32	1.07
-8	-8	-11	2.41	1.07
-8	-8	-12	1.15	1.23
8	9	-15	-0.55	1.18
8	9	-14	0.63	1.14
8	9	-13	1.96	1.14
8	9	-12	-1.15	0.94
8	9	-11	11.64	1.82
8	9	-10	2.16	1.26
8	9	-9	20.81	2.22
8	9	-8	13.71	1.92
-8	-9	7	19.43	1.87
-8	9	7	22.63	1.42
8	9	-7	20.90	2.12
-8	-9	6	-0.89	0.82
-8	9	6	0.68	0.65
-8	9	5	82.95	3.14
-8	-9	5	85.01	3.65
-8	9	4	25.41	1.74
-8	-9	4	27.03	2.34
-8	-9	4	23.72	1.91
-8	9	3	52.48	2.66
-8	-9	3	52.61	3.07
-8	-9	3	55.93	2.86
-8	-9	2	1.33	0.85
-8	-9	2	2.13	1.33
-8	9	2	0.98	0.90
-8	-9	1	185.65	6.08
-8	9	1	177.08	5.58
-8	-9	1	172.76	5.49
-8	9	0	200.87	6.29
-8	-9	0	218.09	6.28
-8	-9	0	203.69	6.55
8	-9	1	0.99	0.29
-8	-9	-1	0.61	1.03
-8	9	-1	1.73	1.16
-8	-9	-1	0.79	0.86
8	-9	2	6.41	0.67
-8	9	-2	8.96	1.60
-8	-9	-2	5.98	1.26
-8	9	-3	7.66	1.61
-8	-9	-3	10.01	1.66
-8	-9	-4	21.78	2.22

-8	9	-4	21.48	2.20
-8	-9	-5	1.53	0.96
-8	9	-5	1.99	1.17
-8	9	-6	4.60	1.35
-8	-9	-6	5.64	1.33
-8	-9	-7	10.40	1.76
-8	-9	-8	8.22	1.56
-8	-9	-9	0.96	1.25
-8	-9	-10	4.55	1.47
-8	-9	-11	4.69	1.59
-8	-9	-12	6.34	1.55
-8	9	-12	7.44	2.03
8	10	-15	3.90	1.50
8	10	-14	0.02	1.17
8	10	-13	0.72	1.08
8	10	-12	5.80	1.47
8	10	-11	1.87	1.02
8	10	-10	7.92	1.75
8	10	-9	0.62	0.84
-8	-10	8	103.94	4.48
8	10	-8	100.62	4.85
-8	-10	7	1.01	1.05
8	10	-7	1.60	0.93
-8	-10	6	9.59	1.41
-8	-10	5	12.77	1.62
-8	10	5	12.20	1.27
-8	-10	4	5.41	1.17
-8	10	4	6.54	1.12
-8	-10	3	9.29	1.38
-8	-10	3	6.92	1.44
-8	10	3	7.90	1.21
-8	-10	2	1.52	0.89
-8	10	2	2.71	1.02
-8	-10	2	2.53	1.15
-8	-10	1	36.38	2.65
-8	10	1	40.96	2.54
-8	-10	1	35.93	2.37
-8	-10	0	11.70	1.54
-8	10	0	9.63	1.49
-8	-10	0	10.02	1.60
-8	-10	-1	8.24	1.49
-8	10	-1	9.30	1.56
-8	-10	-1	5.42	1.13
-8	-10	-2	4.82	1.22
-8	10	-2	2.45	1.00
-8	10	-3	23.75	2.26
-8	-10	-3	23.97	2.33
-8	10	-4	3.44	1.04
-8	-10	-4	3.66	1.24
-8	-10	-5	-1.99	1.29
-8	-10	-6	0.17	0.97
-8	-10	-7	18.88	2.14
-8	-10	-8	5.39	1.40
-8	-10	-9	3.60	1.26
-8	-10	-10	-0.49	1.02
-8	-10	-11	16.34	2.02
-8	-10	-12	1.57	1.37
-8	10	-12	1.94	1.41

8	11	-15	0.54	1.26
8	11	-14	1.28	1.06
8	11	-13	3.43	1.37
8	11	-12	2.71	1.29
8	11	-11	7.34	1.56
8	11	-10	0.16	0.92
-8	-11	9	17.41	2.02
8	11	-9	14.24	2.00
-8	-11	8	11.70	1.73
8	11	-8	12.46	1.82
-8	-11	7	4.13	1.17
8	11	-7	4.26	1.11
-8	-11	6	0.47	0.92
-8	-11	5	8.65	1.39
-8	-11	4	3.09	1.01
-8	-11	3	145.25	5.50
-8	-11	3	140.79	5.11
-8	-11	2	13.37	1.62
-8	11	2	12.49	1.53
-8	-11	2	13.89	1.83
-8	11	1	5.54	1.30
-8	-11	1	2.80	1.26
-8	-11	1	4.28	1.17
-8	11	0	1.36	1.15
-8	-11	0	2.05	0.93
-8	-11	0	0.20	1.17
-8	11	-1	1.00	0.98
-8	-11	-1	1.29	1.09
-8	-11	-1	0.66	1.01
-8	-11	-2	75.69	3.91
-8	-11	-3	5.65	1.30
-8	-11	-4	-0.84	1.13
-8	-11	-5	9.00	1.72
-8	-11	-6	32.54	2.66
-8	-11	-7	-1.63	1.28
-8	-11	-8	18.73	2.16
-8	-11	-9	1.55	1.14
-8	-11	-10	8.69	1.60
-8	-11	-11	-2.89	1.46
-8	11	-11	0.62	1.44
8	12	-14	10.46	2.14
8	12	-13	1.68	1.37
8	12	-12	1.25	0.96
8	12	-11	0.59	1.04
8	12	-10	1.17	1.03
-8	-12	9	0.33	0.93
8	12	-9	-0.04	1.00
-8	-12	8	2.89	1.07
8	12	-8	5.38	1.41
-8	-12	7	3.54	1.20
-8	-12	6	0.72	0.88
-8	-12	5	3.23	1.15
-8	-12	4	0.76	0.94
-8	-12	3	94.86	4.23
-8	-12	2	0.55	0.83
-8	-12	2	0.95	1.17
-8	-12	1	10.12	1.58
-8	-12	1	13.02	1.75

-8	-12	0	49.88	3.24
-8	-12	0	55.12	3.27
-8	-12	-1	28.82	2.47
-8	-12	-1	26.68	2.30
-8	-12	-2	10.53	1.56
-8	-12	-3	19.39	2.18
-8	-12	-4	2.81	1.14
-8	-12	-5	48.12	3.26
-8	-12	-6	0.79	1.05
-8	-12	-7	5.83	1.34
-8	-12	-8	2.18	1.13
-8	-12	-9	12.08	1.82
-8	-12	-10	0.22	1.00
-8	12	-10	1.13	1.15
-8	-12	-11	0.13	1.11
-8	12	-11	0.37	1.09
8	13	-14	0.04	0.99
8	13	-13	8.85	1.84
8	13	-12	-0.63	1.12
8	13	-11	11.55	1.91
-8	-13	10	2.86	1.12
8	13	-10	0.31	0.85
-8	-13	9	2.12	1.22
8	13	-9	2.95	1.37
-8	-13	8	0.36	1.05
8	13	-8	0.60	1.01
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-8	-13	6	-0.69	1.12
-8	-13	5	-1.27	1.17
-8	-13	4	7.66	1.38
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-8	-13	2	1.06	1.06
-8	-13	2	3.62	1.32
-8	-13	1	0.48	0.86
-8	-13	1	0.80	0.96
-8	-13	0	1.43	1.14
-8	-13	0	2.17	1.23
-8	-13	-1	40.08	2.97
-8	-13	-1	40.17	2.84
-8	-13	-2	0.61	1.09
-8	-13	-3	4.57	1.22
-8	-13	-4	0.78	0.93
-8	-13	-5	0.85	1.25
-8	-13	-6	-2.90	1.27
-8	-13	-7	-1.07	1.09
-8	-13	-8	8.82	1.68
-8	13	-9	-0.20	1.24
-8	-13	-9	-0.85	1.25
-8	13	-10	3.83	1.59
-8	-13	-10	3.72	1.49
-8	13	-11	2.03	1.54
8	14	-13	0.04	1.00
8	14	-12	-0.23	0.99
-8	-14	11	3.09	1.38
8	14	-11	0.08	1.08
-8	-14	10	12.01	1.97
8	14	-10	14.06	2.14
-8	-14	9	-0.63	1.34

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-8	-14	8	0.43	1.17
8	14	-8	0.39	1.06
-8	-14	7	2.20	1.05
-8	-14	6	2.15	1.22
-8	-14	5	0.20	1.10
-8	-14	4	21.05	2.17
-8	-14	3	0.85	1.09
-8	-14	2	15.72	1.83
-8	-14	2	18.55	2.20
-8	-14	1	-1.25	1.23
-8	-14	1	1.49	1.07
-8	-14	0	15.57	1.95
-8	-14	0	16.83	2.09
-8	-14	-1	10.28	1.77
-8	-14	-1	12.18	1.73
-8	-14	-2	14.47	1.85
-8	-14	-2	15.73	1.96
-8	-14	-3	0.02	0.93
-8	-14	-4	2.77	1.33
-8	-14	-5	0.95	1.23
-8	-14	-6	1.58	1.13
-8	-14	-7	4.15	1.38
-8	14	-8	-0.08	1.04
-8	-14	-8	0.34	1.02
-8	14	-9	5.35	1.67
-8	-14	-9	1.27	1.17
-8	14	-10	-0.96	1.26
-8	-14	-10	2.48	1.35
-8	14	-11	2.88	1.59
8	15	-13	14.51	2.27
-8	-15	12	-1.30	1.27
8	15	-12	0.62	1.04
-8	-15	11	-0.97	1.33
8	15	-11	0.37	1.08
8	15	-10	0.24	0.99
-8	-15	10	-1.69	1.46
-8	-15	9	-1.09	1.30
8	15	-9	0.54	1.03
-8	-15	8	-0.48	1.11
8	15	-8	-0.47	0.88
-8	-15	7	-0.04	1.19
-8	-15	6	0.13	1.00
-8	-15	5	22.63	2.25
-8	-15	4	0.21	1.10
-8	-15	3	22.01	2.23
-8	-15	2	-0.01	1.07
-8	-15	1	2.98	1.22
-8	-15	1	4.94	1.48
-8	-15	0	1.30	1.24
-8	-15	0	2.20	1.44
-8	-15	-1	8.03	1.63
-8	-15	-1	5.29	1.47
-8	-15	-2	10.59	1.81
-8	-15	-2	10.60	1.78
-8	-15	-3	1.91	1.07
-8	-15	-4	2.20	1.20
-8	-15	-5	2.71	1.40

-8	-15	-6	-0.66	1.01
-8	-15	-7	1.27	1.22
-8	15	-7	0.61	0.95
-8	15	-8	-0.62	1.07
-8	-15	-8	-0.36	1.17
-8	15	-9	2.16	1.45
-8	-15	-9	-1.67	1.20
-8	15	-10	0.52	1.30
-8	-16	13	-0.57	1.50
-8	-16	12	2.18	1.47
8	16	-12	0.43	1.13
-8	-16	11	0.89	1.34
8	16	-11	0.19	0.93
-8	-16	10	3.96	1.67
8	16	-10	1.98	1.04
-8	-16	9	-0.04	1.01
8	16	-9	-0.15	0.99
8	16	-8	8.97	1.76
-8	-16	8	5.78	1.59
-8	-16	7	1.12	1.13
-8	-16	6	0.60	1.12
-8	-16	5	1.90	1.09
-8	-16	4	54.58	3.62
-8	-16	3	2.18	1.18
-8	-16	2	9.40	1.69
-8	-16	1	3.24	1.53
-8	-16	1	0.28	0.94
-8	-16	0	11.45	1.98
-8	-16	0	16.87	2.33
-8	-16	-1	7.00	1.66
-8	-16	-1	6.44	1.55
-8	-16	-2	2.32	1.14
-8	-16	-2	2.79	1.35
-8	-16	-3	3.82	1.20
-8	-16	-4	0.73	1.09
-8	-16	-5	3.12	1.36
-8	16	-6	0.83	1.19
-8	-16	-6	1.29	1.00
-8	-16	-7	1.83	1.37
-8	16	-7	1.23	1.10
-8	-16	-8	0.47	1.21
-8	16	-8	1.29	1.05
-8	16	-9	1.32	1.23
-8	-16	-9	-0.10	1.11
-8	16	-10	1.24	1.25
-8	-17	12	2.60	1.32
8	17	-12	2.96	1.65
-8	-17	11	0.43	1.11
8	17	-11	1.88	1.30
-8	-17	10	-0.18	1.22
8	17	-10	-1.72	1.14
-8	-17	9	8.13	1.88
8	17	-9	5.57	1.56
-8	-17	8	0.68	1.24
-8	-17	7	3.12	1.47
-8	-17	6	1.62	1.33
-8	-17	5	0.79	1.15
-8	-17	4	12.36	1.77

-8	-17	3	4.71	1.53
-8	-17	2	1.83	1.37
-8	-17	1	7.98	1.66
-8	-17	1	6.46	1.69
-8	-17	0	24.15	2.57
-8	-17	0	24.38	2.55
-8	-17	-1	0.06	1.06
-8	-17	-1	-2.60	1.32
-8	-17	-2	5.92	1.55
-8	-17	-2	3.62	1.30
-8	-17	-3	-1.11	1.24
-8	-17	-4	-0.40	1.20
-8	17	-4	0.69	0.78
-8	17	-5	1.89	1.06
-8	-17	-5	1.09	1.22
-8	17	-6	0.69	0.86
-8	-17	-6	-0.10	1.07
-8	-17	-7	-0.06	1.08
-8	17	-7	0.29	1.02
-8	-17	-8	6.13	1.63
-8	17	-8	6.12	1.69
-8	17	-9	0.51	1.08
-8	17	-10	0.33	1.14
-8	-18	11	0.38	1.29
8	18	-11	-1.35	1.11
-8	-18	10	1.63	1.35
8	18	-10	2.83	1.51
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8	18	-9	0.27	1.14
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-8	-18	2	-0.84	1.10
-8	-18	1	3.33	1.46
-8	-18	1	4.70	1.45
-8	-18	0	3.78	1.62
-8	-18	0	6.17	1.51
-8	-18	-1	0.05	1.23
-8	-18	-1	0.43	1.13
-8	-18	-2	2.68	1.40
-8	-18	-2	3.05	1.41
-8	-18	-3	3.40	1.40
-8	-18	-4	2.19	1.36
-8	-18	-5	1.99	1.30
-8	18	-6	0.22	0.88
-8	-18	-6	-2.46	1.46
-8	-18	-7	0.84	1.14
-8	18	-7	-0.25	0.91
-8	-18	-8	1.77	1.48
-8	18	-8	-0.26	1.13
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8	19	-10	1.52	1.24
-8	-19	9	3.75	1.57

8	19	-9	2.50	1.24
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-8	-19	7	0.53	1.38
-8	-19	6	-1.06	1.19
-8	-19	5	-0.56	1.30
-8	-19	4	-0.80	1.32
-8	-19	3	3.08	1.36
-8	-19	2	1.86	1.29
-8	-19	1	-0.52	1.31
-8	-19	1	1.32	1.48
-8	-19	0	0.70	1.18
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-8	-19	-1	3.99	1.43
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-8	-19	-2	0.93	1.27
-8	-19	-2	0.17	1.19
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-8	-19	-5	0.41	1.09
-8	-19	-6	4.23	1.62
-8	-19	-7	-1.23	1.24
8	20	-10	-0.06	1.05
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-8	-20	6	1.24	1.54
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-8	-20	1	-1.25	1.34
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-8	-21	1	6.87	2.01
-8	-21	0	-0.69	1.37
-8	-21	0	-3.94	1.72
-8	-21	-1	2.75	1.49
-8	-21	-1	1.50	1.51
-8	-21	-2	3.27	1.47
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-8	-21	-4	5.63	1.80
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-8	-22	5	4.66	1.83
-8	-22	4	4.97	1.89
-8	-22	3	3.62	1.65
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-8	-22	0	0.01	1.39
-8	-22	-1	2.38	1.41
-8	-22	-1	-1.15	1.34
-8	-22	-2	-0.30	1.21
-8	-22	-3	-1.34	1.45
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9	0	-18	0.81	1.27
9	0	-17	3.80	1.36
9	0	-16	-1.41	1.12
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9	0	-14	-0.60	1.02
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9	0	-11	0.93	0.99
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-9	0	-1	282.49	7.67
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9	-1	-18	3.00	1.60
9	-1	-17	7.12	1.74
9	1	-17	5.14	1.60
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9	-1	-16	0.85	1.01
9	1	-16	-0.12	1.08
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9	-1	-15	2.11	1.11
9	1	-15	1.68	1.16
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9	-1	-14	3.08	1.39
9	1	-14	3.16	1.32
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9	-1	-13	1.49	0.99
9	1	-13	-1.08	1.01
9	-1	-12	0.30	0.82
9	1	-12	-1.59	1.17
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-9	1	11	7.43	1.53
9	-1	-11	6.48	1.34
9	1	-11	9.97	1.74
-9	-1	10	1.14	0.72
-9	1	10	0.33	1.01
-9	1	10	1.28	0.69
9	1	-10	1.22	0.96
-9	-1	9	5.02	0.99
-9	1	9	3.68	1.34
-9	1	9	4.52	0.91
-9	-1	8	1.53	0.81
-9	1	8	1.07	0.85
-9	1	8	0.96	0.99
-9	1	7	3.31	0.87
-9	1	7	5.20	1.16
-9	-1	7	3.11	0.88
-9	1	6	1.30	0.68
-9	-1	6	3.82	0.67
-9	1	6	3.00	1.06
-9	-1	6	2.70	0.97
-9	1	5	10.90	1.33
-9	1	5	8.96	1.20
-9	-1	5	9.82	1.40
-9	1	5	9.25	0.63
-9	-1	5	8.06	0.77
-9	-1	4	4.66	0.57
-9	-1	4	5.60	1.13
-9	1	4	6.40	0.98
-9	1	4	4.41	0.37
-9	1	4	5.24	1.06
-9	1	3	46.41	2.67
-9	-1	3	48.24	2.78
-9	1	3	44.59	2.17

-9	-1	3	50.98	1.70
-9	-1	2	3.68	1.05
-9	1	2	3.81	0.69
-9	1	2	2.68	0.94
-9	1	1	0.90	0.53
-9	1	1	-0.06	0.83
-9	-1	1	0.51	0.81
-9	-1	0	39.96	2.61
-9	1	0	36.53	1.42
-9	1	0	36.25	2.45
-9	-1	-1	36.83	2.57
-9	-1	-1	36.84	1.31
-9	1	-1	38.48	2.61
-9	1	-2	190.61	6.27
-9	-1	-2	194.30	6.28
-9	1	-3	18.64	2.01
-9	-1	-3	16.72	2.02
-9	1	-4	3.21	1.28
-9	-1	-4	1.76	0.94
-9	1	-5	-0.28	1.11
-9	-1	-5	0.15	0.92
-9	1	-6	13.65	1.90
-9	-1	-6	14.12	1.85
-9	-1	-7	-0.42	1.10
-9	1	-7	-0.61	1.21
-9	-1	-8	5.50	1.61
-9	1	-8	4.66	1.41
-9	1	-9	-1.87	1.33
-9	-1	-9	2.66	1.49
-9	1	-10	97.94	5.15
-9	-1	-10	100.19	5.08
-9	1	-11	0.41	1.24
-9	-1	-11	1.57	1.24
-9	1	-12	11.68	2.06
-9	-1	-12	12.18	2.16
-9	1	-13	-1.82	1.54
-9	-1	-13	0.86	1.45
9	-2	-18	11.17	1.98
9	-2	-17	1.83	1.27
9	2	-17	1.58	1.22
-9	-2	16	4.56	1.73
-9	2	16	4.04	1.71
9	-2	-16	5.20	1.59
9	2	-16	1.48	1.09
-9	2	15	0.00	1.39
9	-2	-15	-0.58	1.12
9	2	-15	1.11	1.15
-9	2	14	8.09	1.99
9	-2	-14	9.60	1.66
9	2	-14	9.13	1.75
-9	2	13	0.19	1.28
9	-2	-13	-1.51	1.11
9	2	-13	0.59	0.95
-9	-2	12	33.25	2.17
-9	2	12	36.78	3.09
9	-2	-12	35.08	2.76
9	2	-12	33.31	2.88
-9	2	11	0.64	1.09

9	-2	-11	2.55	1.14
9	2	-11	0.40	0.87
-9	-2	11	0.99	0.84
-9	-2	10	29.80	2.09
-9	2	10	30.50	1.85
-9	2	10	29.78	2.64
9	2	-10	28.42	2.48
-9	2	9	1.10	0.75
-9	2	9	0.42	1.03
-9	-2	9	0.05	0.84
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-9	-2	8	5.43	1.02
-9	2	8	4.43	1.10
-9	2	7	-0.32	0.66
-9	-2	7	0.88	0.86
-9	2	7	1.95	0.95
-9	-2	6	35.12	1.77
-9	2	6	37.75	2.20
-9	2	6	34.92	2.31
-9	-2	6	33.01	2.18
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-9	2	5	7.37	0.48
-9	2	5	7.60	1.09
-9	-2	5	5.81	1.13
-9	-2	5	8.32	0.91
-9	-2	4	7.91	0.80
-9	2	4	6.86	1.05
-9	-2	4	6.96	1.29
-9	2	4	6.85	1.16
-9	-2	3	-0.09	0.85
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-9	-2	3	-0.31	0.44
-9	-2	2	18.50	1.73
-9	2	2	17.38	1.26
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-9	2	1	0.93	0.50
-9	-2	0	24.37	2.07
-9	2	0	20.89	1.89
-9	2	-1	15.23	1.70
-9	-2	-1	13.81	1.78
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-9	2	-3	2.07	1.01
-9	-2	-3	2.48	1.25
-9	2	-4	1.73	1.10
-9	-2	-4	5.47	1.38
-9	2	-5	1.77	1.01
-9	-2	-5	0.16	1.11
-9	-2	-6	2.04	1.36
-9	2	-6	0.56	1.27
-9	-2	-7	-0.26	1.09
-9	2	-7	0.24	1.07
-9	-2	-8	1.39	1.31
-9	2	-8	-0.75	1.19
-9	2	-9	31.10	2.92

-9	-2	-9	35.26	3.05
-9	2	-10	4.89	1.72
-9	-2	-10	7.89	1.96
-9	2	-11	1.86	1.11
-9	-2	-11	-0.89	1.32
-9	2	-12	1.97	1.58
-9	-2	-12	1.81	1.44
-9	2	-13	6.82	1.89
-9	-2	-13	7.51	1.79
-9	-2	-14	2.61	1.59
9	-3	-18	0.46	0.96
9	-3	-17	7.97	1.81
9	3	-17	5.12	1.57
-9	3	16	-2.11	1.10
9	-3	-16	1.13	1.05
9	3	-16	0.07	1.16
9	3	-15	16.07	2.30
-9	3	15	10.88	1.94
9	-3	-15	18.00	2.28
-9	3	14	2.41	1.30
9	-3	-14	-0.29	0.99
9	3	-14	-0.30	1.10
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9	-3	-13	-0.67	0.96
9	3	-13	-1.19	1.14
-9	3	12	4.11	1.40
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9	-3	-12	0.49	0.85
9	3	-12	3.63	1.35
-9	-3	11	141.06	4.96
-9	3	11	139.26	5.81
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-9	3	9	21.66	1.56
-9	-3	9	22.49	1.97
-9	3	9	20.20	2.08
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-9	-3	8	1.72	0.88
-9	3	7	11.18	1.29
-9	-3	7	13.16	1.49
-9	3	7	9.59	1.35
-9	-3	6	2.48	0.68
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-9	3	5	33.86	2.12
-9	-3	5	30.50	2.22
-9	-3	5	33.59	1.74
-9	-3	4	3.04	0.65
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-9	-3	4	4.83	1.12
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-9	-3	3	62.32	3.18
-9	-3	3	62.59	2.31

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-9	-3	2	0.89	0.49
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-9	3	1	7.23	1.25
-9	-3	0	5.72	1.20
-9	3	0	5.67	1.32
-9	-3	-1	76.61	3.65
-9	3	-1	66.66	3.47
-9	3	-2	0.40	1.03
-9	-3	-2	0.72	0.98
-9	-3	-3	20.79	2.05
-9	3	-3	21.90	2.08
-9	3	-4	3.75	1.37
-9	-3	-4	3.60	1.05
-9	-3	-5	0.68	0.94
-9	3	-5	1.42	1.23
-9	-3	-6	8.08	1.54
-9	3	-6	8.45	1.50
-9	-3	-7	0.24	1.03
-9	3	-7	2.19	1.25
-9	-3	-8	2.22	1.37
-9	3	-8	0.92	1.42
-9	-3	-9	3.30	1.51
-9	3	-9	-1.53	1.13
-9	3	-10	0.82	1.46
-9	-3	-10	1.09	1.34
-9	3	-11	1.52	1.17
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-9	-3	-13	3.85	1.58
-9	-3	-14	-1.84	1.51
9	-4	-17	1.94	1.16
9	4	-17	-3.75	1.67
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9	-4	-16	4.20	1.33
9	4	-16	2.09	1.25
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9	-4	-15	-0.35	1.03
9	4	-15	-0.83	0.94
9	4	-14	22.78	2.55
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9	-4	-14	19.91	2.21
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-9	-4	12	46.24	2.76
9	4	-12	48.61	3.58
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9	4	-11	1.92	1.18
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-9	4	10	128.50	5.44

9	4	-10	141.70	5.89
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-9	-4	6	83.43	3.12
-9	-4	6	74.03	3.57
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-9	-4	2	66.39	2.57
-9	4	2	66.64	3.19
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-9	-4	-2	75.06	3.77
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-9	4	-4	1.28	1.10
-9	-4	-5	5.87	1.42
-9	4	-5	1.80	1.19
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-9	-4	-7	39.54	2.97
-9	-4	-8	2.08	1.25
-9	4	-8	0.92	1.03
-9	-4	-9	7.29	1.67
-9	4	-9	6.44	1.80
-9	-4	-10	-1.30	1.32
-9	4	-10	2.22	1.57
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-9	4	-12	1.68	1.58

-9	-4	-12	1.42	1.27
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-9	-4	-14	2.32	1.53
-9	5	16	-1.25	1.39
9	5	-16	1.19	1.02
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9	-5	-15	5.59	1.41
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9	-5	-13	13.12	1.81
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-9	-5	11	44.65	2.90
9	5	-11	43.58	3.37
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9	7	-12	0.01	1.21
9	7	-11	0.94	0.93
-9	7	11	3.96	1.50
-9	7	10	-1.39	1.03
9	7	-10	-0.17	1.08
-9	7	9	2.81	1.17
9	7	-9	4.90	1.32
-9	-7	8	3.42	1.20
-9	-7	8	2.08	0.88
-9	7	8	4.15	1.20
-9	7	8	2.75	0.69
-9	-7	7	52.16	2.79
-9	7	7	53.78	3.12
-9	7	7	54.55	2.47

-9	-7	7	55.38	3.27
-9	-7	6	-0.02	0.73
-9	-7	6	-1.66	1.18
-9	-7	5	11.48	1.32
-9	-7	5	10.76	1.53
-9	7	5	10.09	1.27
-9	-7	4	44.18	2.85
-9	7	4	47.70	2.53
-9	-7	4	44.10	2.41
-9	-7	3	1.83	0.82
-9	-7	3	0.60	0.85
-9	7	3	0.84	0.82
-9	-7	2	2.61	1.11
-9	-7	2	2.18	0.77
-9	7	2	2.89	0.92
-9	-7	1	14.91	1.47
-9	-7	1	20.19	2.06
-9	7	1	15.64	1.72
-9	-7	0	0.24	0.73
-9	-7	0	1.76	0.96
-9	7	0	-0.38	0.86
-9	-7	-1	7.88	1.44
-9	7	-1	9.20	1.57
-9	-7	-2	18.48	1.94
-9	7	-2	21.03	2.04
-9	-7	-3	4.17	1.42
-9	7	-3	4.94	1.28
-9	-7	-4	51.17	3.31
-9	7	-4	54.99	3.40
-9	7	-5	6.74	1.70
-9	-7	-5	6.47	1.60
-9	-7	-6	26.63	2.46
-9	7	-6	24.43	2.51
-9	-7	-7	3.67	1.33
-9	7	-7	1.97	1.32
-9	-7	-8	2.15	1.32
-9	7	-8	0.20	1.06
-9	-7	-9	-0.73	1.16
-9	7	-9	1.49	1.50
-9	-7	-10	14.20	2.16
-9	7	-10	15.18	2.27
-9	-7	-11	-0.80	1.19
-9	-7	-12	3.63	1.53
-9	-7	-13	-1.24	1.22
-9	8	15	-1.78	1.41
9	8	-15	2.35	1.13
-9	8	14	0.29	1.33
9	8	-14	2.70	1.28
-9	8	13	0.90	1.29
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9	8	-12	2.27	1.33
-9	8	11	0.60	1.26
9	8	-11	0.81	0.99
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9	8	-10	71.41	4.25
9	8	-9	1.17	0.99
-9	8	9	3.76	1.40

-9	-8	8	15.64	1.74
-9	-8	7	10.05	1.65
-9	-8	7	10.10	1.38
-9	8	7	9.89	1.13
-9	-8	6	0.53	0.79
-9	-8	6	1.32	0.93
-9	8	6	0.66	0.74
-9	-8	5	4.20	1.00
-9	8	5	2.14	0.77
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-9	8	4	86.14	3.52
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-9	-8	3	25.69	1.93
-9	8	2	19.91	1.89
-9	-8	2	18.53	1.63
-9	-8	2	19.89	2.07
-9	-8	1	3.81	1.25
-9	8	1	5.44	1.31
-9	-8	1	5.40	1.09
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-9	8	0	6.34	1.38
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-9	-8	-1	146.91	5.65
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-9	-8	-4	7.69	1.59
-9	8	-4	13.67	2.05
-9	-8	-5	75.73	4.04
-9	8	-5	73.74	4.16
-9	8	-6	1.35	1.13
-9	-8	-6	0.63	1.13
-9	8	-7	32.03	2.99
-9	-8	-7	34.48	2.84
-9	-8	-8	-0.37	1.14
-9	8	-8	3.31	1.34
-9	-8	-9	17.89	2.23
-9	-8	-10	-0.03	1.15
-9	-8	-11	7.08	1.78
-9	-8	-12	0.36	1.13
9	9	-15	2.96	1.40
9	9	-14	0.35	1.01
9	9	-13	0.13	0.97
9	9	-12	2.48	1.20
9	9	-11	55.46	3.92
9	9	-10	-0.19	1.03
-9	-9	9	0.38	0.89
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-9	-9	7	3.50	1.20
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-9	-9	6	9.30	1.40
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-9	-9	3	45.95	3.06
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-9	-9	3	42.11	2.52
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-9	-9	2	-0.39	0.94
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-9	-9	1	93.44	3.93
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-9	9	-1	38.66	2.74
-9	-9	-1	41.84	2.90
-9	9	-2	81.18	4.06
-9	-9	-2	84.88	4.23
-9	-9	-3	0.15	1.22
-9	9	-3	-1.17	1.24
-9	-9	-4	87.90	4.39
-9	9	-4	94.27	4.57
-9	-9	-5	4.44	1.45
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-9	-9	-6	52.99	3.54
-9	9	-6	53.74	3.68
-9	9	-7	1.97	1.20
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-9	-9	-8	8.27	1.76
-9	-9	-9	2.11	1.30
-9	-9	-10	18.79	2.38
-9	-9	-11	0.38	1.12
-9	-9	-12	4.82	1.70
9	10	-14	3.50	1.31
9	10	-13	0.89	1.12
9	10	-12	31.91	3.11
9	10	-11	2.75	1.38
9	10	-10	87.93	4.90
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-9	-10	7	6.98	1.34
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-9	10	6	44.11	2.35
-9	-10	6	45.47	2.81
-9	-10	5	0.68	0.95
-9	-10	5	0.27	0.90
-9	10	5	0.23	0.74
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-9	-10	3	4.84	1.25
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-9	10	-4	2.15	1.41
-9	-10	-5	7.90	1.59
-9	10	-5	6.31	1.44
-9	-10	-6	9.29	1.83
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9	11	-13	1.64	1.35
9	11	-12	2.53	1.30
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-9	11	3	18.40	1.77
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-9	-11	-4	10.47	1.84
-9	-11	-5	7.19	1.67
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9	12	-13	1.74	1.21
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9	12	-11	-0.24	1.02
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9	12	-10	5.49	1.55
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9	13	-13	11.24	2.05
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9	15	-10	-1.16	1.07
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-9	-18	-5	0.86	1.26
-9	-18	-6	1.19	1.14

-9	-18	-7	-1.12	1.22
-9	-18	-8	-2.33	1.47
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-9	-19	8	-0.76	1.30
-9	-19	7	8.99	1.81
-9	-19	6	1.28	1.33
-9	-19	5	2.82	1.40
-9	-19	4	1.21	1.34
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-9	-19	2	1.70	1.43
-9	-19	2	-1.31	1.46
-9	-19	1	5.82	1.83
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-9	-19	0	3.96	1.36
-9	-19	0	3.81	1.58
-9	-19	-1	1.05	1.31
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-9	-19	-2	4.67	1.68
-9	-19	-3	-0.27	1.29
-9	-19	-4	-0.92	1.24
-9	-19	-5	1.75	1.46
-9	-19	-6	0.17	1.44
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-9	-20	6	4.93	1.62
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-9	-20	1	6.00	2.07
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-9	-20	-3	0.18	1.19
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-9	-20	-5	5.46	1.78
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-9	-21	3	-6.22	2.14
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10	6	-11	0.16	0.95
-10	6	10	0.40	1.20
-10	-6	10	0.72	1.06
-10	-6	9	5.52	1.21
-10	-6	9	5.85	1.30
-10	6	9	6.13	1.35
-10	-6	8	105.14	4.07
-10	-6	8	101.82	4.54
-10	6	8	102.59	4.66
-10	6	8	101.33	3.67
-10	6	7	8.16	1.12
-10	-6	7	9.39	1.25
-10	6	7	8.90	1.48
-10	-6	7	8.13	1.46
-10	6	6	3.34	0.91
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-10	-6	6	1.35	1.03
-10	6	6	2.11	0.95
-10	-6	5	0.16	0.75
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-10	-6	4	10.72	1.15
-10	6	4	12.28	1.49
-10	-6	4	12.22	1.68
-10	-6	3	0.50	1.02
-10	6	3	0.62	0.92
-10	-6	3	-0.09	0.62
-10	6	2	1.43	0.92
-10	-6	2	0.48	0.96
-10	-6	2	0.52	0.67
-10	6	1	0.33	0.87
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-10	-6	0	0.24	1.04
-10	6	0	-0.85	1.00
-10	-6	-1	1.16	1.09
-10	6	-1	0.75	1.01
-10	-6	-2	6.94	1.51
-10	6	-2	9.92	1.79
-10	6	-3	1.22	1.05
-10	-6	-3	1.02	0.99
-10	-6	-4	2.51	1.08
-10	6	-4	2.05	1.26
-10	-6	-5	2.47	1.22
-10	6	-5	2.03	1.33

-10	-6	-6	3.97	1.48
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-10	-6	-7	4.71	1.48
-10	6	-7	5.42	1.51
-10	-6	-8	1.08	1.28
-10	6	-8	-0.61	1.29
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-10	-16	0	-0.01	1.25
-10	-16	0	-0.59	1.10
-10	-16	-1	1.26	1.11
-10	-16	-2	2.65	1.34
-10	-16	-3	2.95	1.65
-10	-16	-4	-0.39	1.07
-10	-16	-5	2.83	1.31
-10	-16	-6	-1.11	1.41
-10	-16	-7	2.19	1.27
-10	16	-8	1.38	1.26
-10	-16	-8	-2.00	1.49
-10	-17	11	5.34	1.58
-10	-17	10	0.80	1.36
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-10	-17	5	15.49	2.24
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-10	-17	2	12.45	2.12
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-10	-17	0	3.42	1.33
-10	-17	-1	-0.26	1.34
-10	-17	-2	6.73	1.68
-10	-17	-3	2.44	1.28
-10	-17	-4	4.52	1.60

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-10	-17	-6	8.97	2.01
-10	-17	-7	0.10	1.15
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-10	-18	9	1.86	1.62
-10	-18	8	0.05	1.19
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-10	-18	5	12.08	2.08
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-10	-18	2	1.15	1.13
-10	-18	1	-2.13	1.58
-10	-18	1	1.75	1.42
-10	-18	0	0.85	1.38
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-10	-18	-1	-0.54	1.27
-10	-18	-2	-1.55	1.43
-10	-18	-3	7.90	1.99
-10	-18	-4	1.15	1.47
-10	-18	-5	3.65	1.70
-10	-19	8	3.83	1.75
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-10	-19	4	8.21	1.93
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-10	-19	1	1.33	1.26
-10	-19	0	-1.12	1.52
-10	-19	0	-1.38	1.67
-10	-19	-1	-0.37	1.34
-10	-19	-2	0.43	1.15
-10	-19	-3	1.91	1.45
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-11	-7	6	32.25	2.70
-11	7	5	12.87	1.60
-11	-7	5	10.65	1.71
-11	-7	5	13.37	1.48
-11	-7	4	16.29	1.97
-11	7	4	16.65	1.88
-11	-7	4	18.95	1.63
-11	-7	3	-0.06	0.68
-11	-7	3	1.90	1.28
-11	7	3	0.65	0.91
-11	7	2	23.53	2.25
-11	-7	2	23.21	1.82
-11	-7	2	21.92	2.32
-11	-7	1	15.72	2.02
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-11	7	0	85.88	4.36
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-11	7	-1	1.12	1.01
-11	-7	-2	1.46	1.08
-11	7	-2	0.91	1.08
-11	7	-3	1.50	1.40
-11	-7	-3	-1.48	1.36
-11	7	-4	1.49	1.26
-11	-7	-4	3.20	1.61
-11	-7	-5	1.63	1.41
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-11	7	-6	9.44	2.04
-11	-7	-7	1.13	1.12
-11	7	-7	2.44	1.65
-11	7	-8	23.34	2.83
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-11	-7	-9	2.86	1.54
-11	-7	-10	11.56	2.26
-11	8	14	16.72	2.67
-11	-8	13	1.42	1.12
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-11	8	12	-0.89	1.39
-11	-8	12	-0.60	1.11
-11	-8	11	2.22	1.16
-11	-8	11	1.34	1.27
-11	-8	10	21.61	2.14
-11	-8	10	20.48	2.37
-11	-8	9	-0.05	1.11
-11	-8	9	-1.29	0.90
-11	-8	8	1.68	1.27
-11	-8	8	0.21	0.90
-11	-8	7	8.60	1.38
-11	-8	7	8.07	1.59
-11	8	6	49.45	2.85
-11	-8	6	49.08	2.83
-11	-8	6	50.69	3.45
-11	-8	5	0.79	0.78
-11	-8	5	-1.65	1.07
-11	8	5	0.81	0.89
-11	-8	4	14.81	2.00
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-11	-8	4	15.04	1.53
-11	-8	3	3.43	1.45
-11	8	3	1.12	1.10
-11	-8	3	0.60	0.85
-11	-8	2	3.87	1.00
-11	-8	2	5.02	1.50
-11	8	2	4.33	1.36
-11	-8	1	8.09	1.63
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-11	-8	-2	1.37	1.09
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-11	8	-3	12.35	2.09

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-11	8	-7	16.96	2.55
-11	-8	-8	1.82	1.52
-11	8	-8	1.19	1.41
-11	-8	-9	0.73	1.41
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-11	-9	12	1.02	1.08
-11	-9	12	-0.75	1.20
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-12	-1	5	85.49	4.28
-12	-1	5	83.41	3.81
-12	1	5	88.67	3.80
-12	1	4	41.21	2.93
-12	-1	4	42.32	3.00

-12	-1	4	39.45	2.39
-12	1	4	44.82	2.51
-12	1	3	1.12	1.12
-12	-1	3	0.58	1.20
-12	1	2	1.53	1.26
-12	-1	2	-0.44	0.95
-12	-1	1	20.24	2.27
-12	1	1	24.47	2.43
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-12	-1	0	52.22	3.50
-12	1	-1	6.82	1.53
-12	-1	-1	6.63	1.64
-12	1	-2	0.95	1.23
-12	-1	-2	1.12	1.36
-12	1	-3	3.75	1.51
-12	-1	-3	3.55	1.66
-12	1	-4	22.63	2.60
-12	-1	-4	22.73	2.57
-12	1	-5	1.00	1.58
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-12	-1	-7	1.06	1.16
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-12	1	-8	6.24	1.77
-12	-1	-8	11.59	2.29
-12	-2	14	1.41	1.47
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-12	-2	9	2.03	1.03
-12	2	9	1.25	1.06
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-12	-2	8	2.85	1.20
-12	2	8	3.68	1.21
-12	2	8	2.04	1.14
-12	-2	7	13.18	1.80
-12	2	7	14.65	1.79
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-12	2	6	1.47	1.03
-12	-2	5	98.22	4.63
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-12	2	5	93.20	4.40
-12	-2	4	10.14	1.68
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-12	2	4	8.82	1.21
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-12	-2	-3	47.38	3.54
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-12	3	4	21.48	2.16
-12	-3	3	2.62	1.21
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-12	-14	0	4.99	1.57
-12	-14	-1	1.06	1.43
-12	-14	-2	0.34	1.43
-12	-15	8	-0.45	1.16
-12	-15	7	3.33	1.24
-12	-15	6	1.97	1.20
-12	-15	6	1.32	1.63
-12	-15	5	1.14	1.37
-12	-15	5	1.49	1.18
-12	-15	4	10.02	2.03
-12	-15	4	10.19	1.81
-12	-15	3	3.44	1.56
-12	-15	3	5.53	1.56
-12	-15	2	2.17	1.41
-12	-15	2	2.20	1.28
-12	-15	1	-0.04	1.15
-12	-15	1	1.18	1.22
-12	-15	0	6.05	1.80
-12	-16	8	4.15	1.79
-12	-16	7	-1.24	1.44
-12	-16	6	0.68	1.33
-12	-16	5	1.01	1.14
-12	-16	4	1.89	1.49
-12	-16	3	2.85	1.55
-12	-16	2	-1.34	1.32
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-12	-17	8	1.61	1.47
-12	-17	7	1.06	1.23
-12	-17	6	-0.96	1.31
-12	-17	5	1.96	1.42
-12	-17	4	-0.67	1.15
-12	-17	3	-0.96	1.40
-12	-17	2	-0.78	1.30
-12	-17	1	1.14	1.11
-12	-18	7	0.29	1.15
-12	-18	6	-1.08	1.24
-12	-18	5	2.83	1.46
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-12	-18	3	13.57	2.27
-12	-18	2	-0.14	1.32
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-13	0	13	-0.97	1.11
-13	0	12	-2.28	1.47
-13	0	11	14.85	2.27
-13	0	10	0.07	1.03
-13	0	9	6.16	1.53
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-13	0	7	31.96	2.59
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-13	0	5	-0.20	1.01
-13	0	4	-1.37	1.03
-13	0	3	13.16	1.98
-13	0	2	-1.29	1.26
-13	0	1	0.99	1.16
-13	0	0	-3.01	1.57
-13	0	-1	6.38	1.69
-13	0	-2	0.48	1.44
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-13	0	-4	-2.49	1.73
-13	0	-5	12.53	2.32
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-14	-2	2	3.66	1.58
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-14	-2	1	1.66	1.39
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-14	2	-1	18.03	2.50
-14	-2	-1	19.92	2.69
-14	2	-2	0.99	1.40
-14	-2	-2	1.59	1.44
-14	2	-3	2.90	1.54
-14	-3	12	3.82	1.70
-14	3	12	4.30	1.64
-14	-3	11	1.14	1.28
-14	3	11	-0.12	1.21
-14	-3	10	0.81	1.15
-14	3	10	-1.46	1.12
-14	-3	9	-0.39	1.02
-14	-3	8	5.53	1.47

-14	-3	7	4.98	1.51
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-14	11	2	11.26	2.02
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-15	5	1	1.01	1.68
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-15	8	2	1.99	1.64
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TITL MANNICH_2_1854_smart_abs in P2(1)/n
 REM P2(1)/n (#14 in standard setting)
 CELL 0.71073 11.969325 20.922620 14.793332 90.0000 100.7835 90.0000
 ZERR 8.00 0.000385 0.001055 0.000455 0.0000 0.0032 0.0000
 LATT 1
 SYMM -x+1/2, y+1/2, -z+1/2
 SFAC C H N F S
 UNIT 152.00 184.00 32.00 8.00 8.00
 TREF
 HKLF 4
 END

_computing_structure_solution 'SHELXT 2014/5 (Sheldrick, 2014)'

;

_shelx_hkl_checksum 92710

start Validation Reply Form

_vrf_PLAT334_1m

;

PROBLEM: Small Average Benzene C-C Dist. C14A -C19A 1.37 Ang.
 RESPONSE: Mogul geometry check didn't find any significant deviation of
 the individual phenyl ring bond lengths, as their deviations were less
 than two sigma away from the average bond length found in the CSD.
 It should be kept in mind that the ring is substituted, and that
 anisotropic displacement ellipsoids show features of increased thermal
 motion of the atoms.

;

_vrf_PLAT601_1m

;

PROBLEM: Structure Contains Solvent Accessible VOIDS of . 34 Ang3
 RESPONSE: Maps of difference electron density didn't show positive
 values
 in the voids. Refinement of the squeezed data didn't improve the model,
 based on the quality descriptors. Therefore, the initial model was
 retained with assumption that the voids are empty.

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end Validation Reply Form

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END OF CIF

