!!index array str

 "dem"

!entry.dem.unit.atoms table str name str type int typex int resx int flags int seq int elmnt dbl chg

 "C" "CZ" 0 1 131072 1 6 0.865500

 "OXT" "O2" 0 1 131072 2 8 -0.411300

 "O" "O2" 0 1 131072 3 8 -0.411300

 "CA" "Ca" 0 1 131072 4 6 1.194000

 "H03" "H?" 0 1 131072 5 1 -0.692600

 "N" "N2" 0 1 131072 6 7 -1.239700

 "H02" "H" 0 1 131072 7 1 0.289100

 "H17" "H" 0 1 131072 8 1 0.289100

 "CB" "CM" 0 1 131072 9 6 -0.300400

 "H04" "HA" 0 1 131072 10 1 0.158800

 "H18" "HA" 0 1 131072 11 1 0.158800

 "CG" "CM" 0 1 131072 12 6 -0.300400

 "H05" "HA" 0 1 131072 13 1 0.158800

 "H19" "HA" 0 1 131072 14 1 0.158800

 "SD" "S" 0 1 131072 15 16 -0.488200

 "CE" "Ce" 0 1 131072 16 6 1.730900

 "H06" "H?" 0 1 131072 17 1 -0.421900

 "H20" "H?" 0 1 131072 18 1 -0.421900

 "H22" "H?" 0 1 131072 19 1 -0.421900

 "C5'" "CT" 0 1 131072 20 6 -0.493400

 "H07" "H1" 0 1 131072 21 1 0.190300

 "H21" "H1" 0 1 131072 22 1 0.190300

 "C4'" "CT" 0 1 131072 23 6 0.036100

 "H08" "H1" 0 1 131072 24 1 0.204600

 "O4'" "OS" 0 1 131072 25 8 -0.254200

 "C3'" "CT" 0 1 131072 26 6 0.212600

 "H09" "H1" 0 1 131072 27 1 0.058600

 "O3'" "OH" 0 1 131072 28 8 -0.625200

 "H10" "HO" 0 1 131072 29 1 0.385700

 "C2'" "CT" 0 1 131072 30 6 0.262500

 "H11" "H1" 0 1 131072 31 1 0.075000

 "O2'" "OH" 0 1 131072 32 8 -0.687800

 "H12" "HO" 0 1 131072 33 1 0.462700

 "C1'" "CT" 0 1 131072 34 6 -0.060600

 "H13" "H2" 0 1 131072 35 1 0.152000

 "N1" "NC" 0 1 131072 36 7 -0.666700

 "C2" "CQ" 0 1 131072 37 6 0.567600

 "H14" "H5" 0 1 131072 38 1 0.009700

 "N3" "NC" 0 1 131072 39 7 -0.592100

 "C4" "CB" 0 1 131072 40 6 0.189500

 "C5" "CB" 0 1 131072 41 6 0.191000

 "C6" "CA" 0 1 131072 42 6 0.584300

 "N6" "N2" 0 1 131072 43 7 -0.851600

 "H15" "H" 0 1 131072 44 1 0.406500

 "H16" "H" 0 1 131072 45 1 0.406500

 "N7" "NB" 0 1 131072 46 7 -0.602600

 "C8" "CK" 0 1 131072 47 6 0.152900

 "H01" "H5" 0 1 131072 48 1 0.191600

 "N9" "N\*" 0 1 131072 49 7 0.010000

!entry.dem.unit.atomspertinfo table str pname str ptype int ptypex int pelmnt dbl pchg

 "C" "CZ" 0 -1 0.0

 "OXT" "O2" 0 -1 0.0

 "O" "O2" 0 -1 0.0

 "CA" "Ca" 0 -1 0.0

 "H03" "H?" 0 -1 0.0

 "N" "N2" 0 -1 0.0

 "H02" "H" 0 -1 0.0

 "H17" "H" 0 -1 0.0

 "CB" "CM" 0 -1 0.0

 "H04" "HA" 0 -1 0.0

 "H18" "HA" 0 -1 0.0

 "CG" "CM" 0 -1 0.0

 "H05" "HA" 0 -1 0.0

 "H19" "HA" 0 -1 0.0

 "SD" "S" 0 -1 0.0

 "CE" "Ce" 0 -1 0.0

 "H06" "H?" 0 -1 0.0

 "H20" "H?" 0 -1 0.0

 "H22" "H?" 0 -1 0.0

 "C5'" "CT" 0 -1 0.0

 "H07" "H1" 0 -1 0.0

 "H21" "H1" 0 -1 0.0

 "C4'" "CT" 0 -1 0.0

 "H08" "H1" 0 -1 0.0

 "O4'" "OS" 0 -1 0.0

 "C3'" "CT" 0 -1 0.0

 "H09" "H1" 0 -1 0.0

 "O3'" "OH" 0 -1 0.0

 "H10" "HO" 0 -1 0.0

 "C2'" "CT" 0 -1 0.0

 "H11" "H1" 0 -1 0.0

 "O2'" "OH" 0 -1 0.0

 "H12" "HO" 0 -1 0.0

 "C1'" "CT" 0 -1 0.0

 "H13" "H2" 0 -1 0.0

 "N1" "NC" 0 -1 0.0

 "C2" "CQ" 0 -1 0.0

 "H14" "H5" 0 -1 0.0

 "N3" "NC" 0 -1 0.0

 "C4" "CB" 0 -1 0.0

 "C5" "CB" 0 -1 0.0

 "C6" "CA" 0 -1 0.0

 "N6" "N2" 0 -1 0.0

 "H15" "H" 0 -1 0.0

 "H16" "H" 0 -1 0.0

 "N7" "NB" 0 -1 0.0

 "C8" "CK" 0 -1 0.0

 "H01" "H5" 0 -1 0.0

 "N9" "N\*" 0 -1 0.0

!entry.dem.unit.boundbox array dbl

 -1.000000

 0.0

 0.0

 0.0

 0.0

!entry.dem.unit.childsequence single int

 2

!entry.dem.unit.connect array int

 0

 0

!entry.dem.unit.connectivity table int atom1x int atom2x int flags

 1 2 1

 1 3 1

 4 6 1

 6 7 1

 6 8 1

 9 10 1

 9 11 1

 9 12 1

 12 13 1

 12 14 1

 15 16 1

 15 20 1

 16 17 1

 16 18 1

 16 19 1

 20 21 1

 20 22 1

 20 23 1

 23 24 1

 23 25 1

 23 26 1

 25 34 1

 26 27 1

 26 28 1

 26 30 1

 28 29 1

 30 31 1

 30 32 1

 30 34 1

 32 33 1

 34 35 1

 34 49 1

 36 37 1

 36 42 1

 37 38 1

 37 39 1

 39 40 1

 40 41 1

 40 49 1

 41 42 1

 41 46 1

 42 43 1

 43 44 1

 43 45 1

 46 47 1

 47 48 1

 47 49 1

!entry.dem.unit.hierarchy table str abovetype int abovex str belowtype int belowx

 "U" 0 "R" 1

 "R" 1 "A" 1

 "R" 1 "A" 2

 "R" 1 "A" 3

 "R" 1 "A" 4

 "R" 1 "A" 5

 "R" 1 "A" 6

 "R" 1 "A" 7

 "R" 1 "A" 8

 "R" 1 "A" 9

 "R" 1 "A" 10

 "R" 1 "A" 11

 "R" 1 "A" 12

 "R" 1 "A" 13

 "R" 1 "A" 14

 "R" 1 "A" 15

 "R" 1 "A" 16

 "R" 1 "A" 17

 "R" 1 "A" 18

 "R" 1 "A" 19

 "R" 1 "A" 20

 "R" 1 "A" 21

 "R" 1 "A" 22

 "R" 1 "A" 23

 "R" 1 "A" 24

 "R" 1 "A" 25

 "R" 1 "A" 26

 "R" 1 "A" 27

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 "R" 1 "A" 38

 "R" 1 "A" 39

 "R" 1 "A" 40

 "R" 1 "A" 41

 "R" 1 "A" 42

 "R" 1 "A" 43

 "R" 1 "A" 44

 "R" 1 "A" 45

 "R" 1 "A" 46

 "R" 1 "A" 47

 "R" 1 "A" 48

 "R" 1 "A" 49

!entry.dem.unit.name single str

 "SAM"

!entry.dem.unit.positions table dbl x dbl y dbl z

 4.489186 -3.028822 1.820186

 4.466710 -3.498838 2.853977

 4.574601 -2.554874 0.772755

 2.450991 -1.745257 -0.684070

 1.760521 -2.524723 1.321551

 3.416280 -2.097905 -2.738075

 3.356114 -1.498424 -3.544903

 3.963954 -2.879447 -3.057028

 0.283989 -4.275176 -1.655284

 -0.496758 -4.605541 -0.993342

 1.249872 -4.732033 -1.520874

 0.072750 -3.383338 -2.609413

 -0.902919 -2.954722 -2.765243

 0.871052 -3.066038 -3.256327

 -3.409165 -1.258809 -0.618721

 -5.247594 0.584093 -0.302391

 -7.070328 -0.158549 -0.076183

 -5.149213 1.761408 -1.896264

 -4.672083 1.661941 1.269227

 -1.860244 -0.267062 -0.598575

 -2.053205 0.769464 -0.337224

 -1.453738 -0.270578 -1.599316

 -0.821085 -0.866622 0.345505

 -0.703210 -1.916795 0.131856

 0.434613 -0.214234 0.078158

 -1.058715 -0.645932 1.837727

 -2.108888 -0.604192 2.085081

 -0.478025 -1.621578 2.643665

 0.294878 -2.029059 2.226395

 -0.358910 0.694655 2.078994

 -0.968876 1.508841 1.706829

 -0.060359 0.951657 3.403180

 0.066885 0.112122 3.836948

 0.877697 0.520829 1.202665

 1.608105 -0.072873 1.734089

 4.656682 2.333074 -1.624855

 4.215230 1.106184 -1.427962

 4.719730 0.319042 -1.955424

 3.201506 0.722878 -0.663222

 2.596057 1.754528 -0.072197

 2.947777 3.073913 -0.188890

 4.046516 3.349236 -1.015008

 4.502912 4.585959 -1.216592

 5.290636 4.723633 -1.807171

 4.076079 5.363743 -0.768979

 2.112516 3.867416 0.572417

 1.295190 3.044784 1.112111

 0.517705 3.311833 1.795588

 1.515534 1.729940 0.755655

!entry.dem.unit.residueconnect table int c1x int c2x int c3x int c4x int c5x int c6x

 0 0 0 0 0 0

!entry.dem.unit.residues table str name int seq int childseq int startatomx str restype int imagingx

 "SAM" 1 50 1 "?" 0

!entry.dem.unit.residuesPdbSequenceNumber array int

 0

!entry.dem.unit.solventcap array dbl

 -1.000000

 0.0

 0.0

 0.0

 0.0

!entry.dem.unit.velocities table dbl x dbl y dbl z

 0.0 0.0 0.0

 0.0 0.0 0.0

 0.0 0.0 0.0

 0.0 0.0 0.0

 0.0 0.0 0.0

 0.0 0.0 0.0

 0.0 0.0 0.0

 0.0 0.0 0.0

 0.0 0.0 0.0

 0.0 0.0 0.0

 0.0 0.0 0.0

 0.0 0.0 0.0

 0.0 0.0 0.0

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