```
%FLAG·TITLE
%FORMAT(20a4)
Molecule
%FLAG·POINTERS
%FORMAT(1018)
....14 ....2 ....0 ....13 ....0
.....37 ....1 ....13 ....12 ....44
.....0 ....0 ....0 ....0 ....0
C1··C2··C3··C4··C5··C6··C7··C8··C9··C10·C11·
%FLAG·CHARGE·····
\cdot \cdot 0.00000000E + 00 \cdot \cdot 0.00000000E + 00 \cdot \cdot 0.000000000
··0.00000000E+00··0.0000000E+00··0.00000000

··0.0000000E+00··0.00000000E+00··0.00000000
%FLAG.ATOMIC NUMBER....
··1.50452000E+01··1.40265800E+01··1.40265800
··1.40265800E+01··1.40265800E+01··1.40265800
··1.40265800E+01··1.40265800E+01··1.40265800
%FORMAT(20a4) .....
ule•
%FLAG.RESIDUE POINTER.....
%FORMAT(1018) .....
%FORMAT(5E16.8)....
••1.54000000E+00••1.54000000E+00
%FLAG•ANGLE FORCE CONSTANT••••••
%FORMAT(5E16.8) .....
··6.21001125E+01··6.21001125E+01
**0.00000000E+00..7.05516894E-01.-1.35507413

*FLAG.DIHEDRAL PERIODICITY......
%FORMAT(5E16.8) .....
··0.00000000E+00··1.00000000E+00··2.00000000
%FLAG.DIHEDRAL PHASE.....
%FORMAT(5E16.8) · · · ·
··2.16628722E+03··1.73803568E+03··1.38880977
```

```
%VERSION··VERSION_STAMP·=·V0001.000··DATE·=·
%FLAG.TITLE
%FORMAT(20a4)
Molecule
%FLAG.POINTERS
%FORMAT(1018)
.....0
%FLAG·ATOM NAME
%FORMAT(20a4)
C1··C2··C3··C4··C5··C6··C7··C8··C9··C10·C11·
%FLAG·CHARGE
%FORMAT(5E16.8)
··0.00000000E+00··0.0000000E+00··0.00000000
··0.00000000E+00··0.0000000E+00··0.00000000
··0.00000000E+00··0.0000000E+00··0.00000000
%FLAG.ATOMIC NUMBER
%FORMAT(1018)
.....6.....6.....6.....6.....6.....6
%FLAG • MASS
%FORMAT(5E16.8)
··1.50452000E+01··1.40265800E+01··1.40265800
··1.40265800E+01··1.40265800E+01··1.40265800
··1.40265800E+01··1.40265800E+01··1.40265800
%FLAG.ATOM TYPE_INDEX
%FORMAT(1018)
%FLAG·NUMBER EXCLUDED_ATOMS
%FLAG · NONBONDED_PARM_INDEX
%FLAG·RESIDUE_LABEL
%FORMAT(20a4)
ule·
%FLAG.RESIDUE_POINTER
%FORMAT(1018)
• • • • • • 1
%FLAG.BOND FORCE_CONSTANT
%FORMAT(5E16.8)
··3.00900000E+02··3.00900000E+02
%FLAG.BOND EQUIL_VALUE
%FORMAT(5E16.8)
**1.54000000E+00.1.54000000E+00

*FLAG.ANGLE FORCE_CONSTANT
%FORMAT(5E16.8)
··6.21001125E+01··6.21001125E+01
%FLAG.ANGLE EQUIL_VALUE
%FORMAT(5E16.8)
..1.98967620E+00..1.98967620E+00
%FLAG.DIHEDRAL FORCE_CONSTANT
%FORMAT(5E16.8)
··0.00000000E+00··7.05516894E-01·-1.35507413
%FLAG.DIHEDRAL PERIODICITY
%FORMAT(5E16.8)
··0.00000000E+00··1.0000000E+00··2.00000000
%FLAG.DIHEDRAL PHASE
%FORMAT(5E16.8)
··0.00000000E+00··0.0000000E+00·-3.14159400
%FLAG·SCEE SCALE_FACTOR
%FORMAT(5E16.8)
%FLAG·SCNB SCALE_FACTOR
%FORMAT(5E16.8)
··0.00000000E+00··0.0000000E+00··0.00000000
%FLAG·SOLTY
%FORMAT(5E16.8)
..0.00000000E+00..0.00000000E+00
%FLAG.LENNARD JONES_ACOEF
%FORMAT(5E16.8)
**6.02425914E+06**5.66008645E+06**5.27503488

*FLAG*LENNARD JONES_BCOEF
%FORMAT(5E16.8)
··2.16628722E+03··1.73803568E+03··1.38880977
```

/Users/jessica/EEX_scratch/examples/amber/alkanes/tra ppe_tetradecane_single_molecule.prmtop, Top line: 81 /Users/jessica/EEX_scratch/examples/amber/alkanes/tra ppe_tetradecane_exclusions_single_molecule.prmtop, To p line: 81			
	%FLAG.BONDS INC HYDROGEN		%FLAG.BONDS INC_HYDROGEN %FORMAT(1018)
	%FLAG·BONDS WITHOUT HYDROGEN		<pre>%FLAG·BONDS WITHOUT_HYDROGEN %FORMAT(1018)0313612215222124224303323336 %FLAG·ANGLES INC_HYDROGEN %FORMAT(1018)</pre>
	%FLAG·ANGLES WITHOUT HYDROGEN		<pre>%FLAG·ANGLES WITHOUT_HYDROGEN %FORMAT(1018)0361312291215151821218272242730 %FLAG·DIHEDRALS_INC_HYDROGEN %FORMAT(1018)</pre>
	%FLAG.DIHEDRALS WITHOUT HYDROGEN		%FLAG·DIHEDRALS_WITHOUT_HYDROGEN %FORMAT(1018)0369103691213691211216691215112151391215181131213121313.
	%FLAG·HBOND BCOEF····································	***	%FLAG·HBOND BCOEF %FORMAT(5E16.8)
***	%FLAG·HBCUT····· %FORMAT(5E16.8)·····	***	%FLAG·HBCUT %FORMAT(5E16.8)
	<pre>%FLAG AMBER ATOM TYPE</pre>		<pre>%FLAG.AMBER ATOM_TYPE %FORMAT(20a4) C3C2C2C2C2C2C2C2C2C2</pre>

/Users/jessica/EEX_scratch/examples/amber/alkanes/trappe_tetradecane_single_molecule.prmtop, Top line: 161

/Users/jessica/EEX_scratch/examples/amber/alkanes/tra ppe_tetradecane_exclusions_single_molecule.prmtop, To p line: 161

```
..1.50000000E+00..1.50000000E+00..1.50000000
..1.50000000E+00..1.50000000E+00..1.50000000
..1.50000000E+00..1.50000000E+00..1.50000000
%FLAG.SCREEN
%FORMAT(5E16.8)
..8.00000000E-01..8.00000000E-01..8.00000000
..8.0000000E-01..8.00000000E-01..8.00000000
..8.00000000E-01..8.00000000E-01..8.000000000
%FLAG.IPOL
%FORMAT(118)
.....0
```