

```
----- non state average
%chk=nicA_cas108_opt_s0_forces2.chk
%mem=500MB
#P CAS(10,8,nroot=3)/cc-pvdz pop=full guess=(read) nosymm
    gfinput TEST scfcon=6 iop(6/7=3)
    scfcyc=150 geom=checkpoint force
orbitals
0 1
```

```
_____ state average
%mem=500MB
#P CAS(10,8,nroot=3,stateaverage)/cc-
pvdz pop=full guess=(read) nosymm
    gfinput TEST scfcon=6 iop(6/7=3)
    scfcyc=150 geom=checkpoint
orbitals
0 1
0.3333333 0.3333333 0.3333333
```

```
_____ state average with forces

%chk=nicA_cas108_opt_s0_nroot2_sa3.chk
%mem=500MB
#P CAS(10,8,nroot=3,stateaverage)/cc-
pvdz pop=full guess=(read) nosymm
    gfinput TEST scfcon=6 iop(6/7=3) force
    scfcyc=150 geom=checkpoint
orbitals
0 1
0.3333333 0.3333333 0.3333333
```