Answer Set Solver CMODELS

The answer set solver CMODELS, like SMODELS, uses LPARSE as its front end. But it operates in a different way: CMODELS reduces the problem of computing answer sets to the satisfiability problem for propositional formulas and invokes a SAT solver to find a solution. It can be downloaded from its web site: `http://www.cs.utexas.edu/users/tag/cmodels/cmodels3/` .

On the machines of the Department of Computer Sciences of the University of Texas at Austin, CMODELS are installed in directories

`/projects/tag/cmodels3/sun/`

and

`/projects/tag/cmodels3/linux/` .

If you are using these machines then you may find it convenient to define the alias

```
alias cmodels '/projects/tag/cmodels3/sun/cmodels
/projects/tag/cmodels3/sun/CONFIG'
```

(or a similar alias with `linux` instead of `sun`), and then you will be able to invoke CMODELS in the same way as SMODELS:

```
% lparse ... | cmodels
```

At the end of such a command line you can specify, besides the number of answer sets to be generated, which SAT solver you want CMODELS to use:

`-mc`	for	MCHAFF,
`-zc`	for	ZCHAFF,
`-si`	for	SIMO,
`-rs`	for	RELSAT

(MCHAFF is the default).