

circEg.pl

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1 Circ1 Examples

1.1 Loads */

```
:- [demo,circ].

eg(bulb) :-
    write('\nBEFORE\n'),listing(assumption),
    reset,
    write('\nRESET DONE\n'),listing(assumption),
    bulb(a,A,B,C,D),
    write(bulb(a,A,B,C,D)),nl,
    write('\nAFTER\n'),listing(assumption).

eg(circ1) :-
    XS1= xs1, XB1= xb1, XS2= xs2, XB2=xb2, XS3=xs3,XB3= xb3,
    Goal=
        circuit(    switch(XS1, _Sw1, _VSw1, _C1),
                    bulb(XB1, _B1, _L1, _VB1, _C1),
                    switch(XS2, _Sw2, _VSw2, _C2),
                    bulb(XB2, _B2, _L2, _VB2, _C2),
                    switch(XS3, _Sw3, _VSw3, _CSw3),
                    bulb(XB3, _B3, _L3, _VB3, _CB3),
                    _Shine),
    reset,
    Goal,
    write('\nAFTER\n'),listing(assumption).

eg(sample) :-
    tell('circ.out'),forall(between(1,1000,I),(sample(I),once(circuit(_)))),told.

sample(I) :- 0 is I mod 50,!, write(user,' '),write(user, I),flush_output(user).
sample(_).
```