

demo.pl

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Contents

1 Demos

2

1 Demos

Demos/1 runs a goal G and catches the output to the file G.spy. Also, just so you know what is going on, it runs the goal G a second time and sends the output to the screen. */

```
demos(G) :-
    sformat(Out, '~w.spy', G),
    freshFile(Out),
    tell(Out),
    format('% output from '':- demos(~w).''\n\n', G),
    T1 is cputime,
    ignore(forall(G, true)),
    T2 is (cputime - T1),
    format('\n% runtime = ~w sec(s)\n', [T2]),
    told,
    nl, write('\n%-----\n'),
    format('% output from '':- demos(~w).''\n', G),
    ignore(forall(G, true)),
    format('\n% runtime = ~w sec(s)', [T2]). /*
```

Demos/1 needs a helper predicate. FreshFile/1 that makes sure that no one else has scribbled, or is currently scribbling, on our output file. */

```
freshFile(X) :-
    (current_stream(X, _, S) -> close(S) ; true),
    (exists_file(X) -> delete_file(X) ; true). /*
```

Here's a gizmo to run the above for all known eg/1 predicates: */

```
egs :- forall(clause(eg(X), _), demos(eg(X))).
```