

NAME

declarator – test an OPEN/CAESAR implementation

SYNOPSIS

bcg.open [*bcg_opt*] *spec*[**.bcg**] [*cc_opt*] **declarator** [*depth*]

or:

exp.open [*exp_opt*] *spec*[**.exp**] [*cc_opt*] **declarator** [*depth*]

or:

fsp.open [*fsp_opt*] *spec*[**.lts**] [*cc_opt*] **declarator** [*depth*]

or:

lnt.open [*lnt_opt*] *spec*[**.lnt**] [*cc_opt*] **declarator** [*depth*]

or:

lotos.open [*lotos_opt*] *spec*[**.lotos**] [*cc_opt*] **declarator** [*depth*]

or:

seq.open [*seq_opt*] *spec*[**.seq**] [*cc_opt*] **declarator** [*depth*]

DESCRIPTION

This program is intended for people trying to connect new languages and compilers to the OPEN/CAESAR environment.

It checks the correctness of the C programs generated to implement the "**caesar_graph.h**" interface. It attempts to exercise all the types and functions defined in "**caesar_graph.h**", all of which should be implemented in the C code generated from the BCG graph *spec.bcg*, the composition expression *spec.exp*, the FSP program *spec.lts*, the LNT program *spec.lnt*, the LOTOS program *spec.lotos*, or the sequence file *spec.seq*.

OPTIONS

The options *bcg_opt*, if any, are passed to **bcg_lib**(LOCAL).

The options *exp_opt*, if any, are passed to **exp.open**(LOCAL).

The options *fsp_opt*, if any, are passed to **fsp.open**(LOCAL).

The options *lnt_opt*, if any, are passed to **lnt.open**(LOCAL).

The options *lotos_opt*, if any, are passed to **caesar**(LOCAL) and to **caesar.adt**(LOCAL).

The options *seq_opt*, if any, are passed to **seq.open**(LOCAL).

The options *cc_opt*, if any, are passed to the C compiler.

Option *depth* is an integer number denoting an upper bound: at most *depth* states are visited. By default, *depth* is equal to 10.

EXIT STATUS

When the source is erroneous, error messages are issued. Exit status is 0 if everything is alright, 1 otherwise.

AUTHOR

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FILES

| | |
|-------------------|---------------------------------------|
| <i>spec.bcg</i> | BCG graph (input) |
| <i>spec.exp</i> | network of communicating LTSs (input) |
| <i>spec.lts</i> | FSP specification (input) |
| <i>spec.lnt</i> | LNT specification (input) |
| <i>spec.lotos</i> | LOTOS specification (input) |
| <i>spec.seq</i> | sequence file (input) |

The source code of this tool can be found in file **\$CADP/src/open_caesar/declarator.c**

SEE ALSO

OPEN/CAESAR Reference Manual, **bcg(LOCAL)**, **bcg_open(LOCAL)**, **caesar(LOCAL)**, **caesar.adt(LOCAL)**, **exp(LOCAL)**, **exp.open(LOCAL)**, **fsp.open(LOCAL)**, **lnt.open(LOCAL)**, **lotos(LOCAL)**, **lotos.open(LOCAL)**, **seq(LOCAL)**, **seq.open(LOCAL)**

Additional information is available from the CADP Web page located at <http://cadp.inria.fr>

Directives for installation are given in files **\$CADP/INSTALLATION_***.

Recent changes and improvements to this software are reported and commented in file **\$CADP/HISTORY**.

BUGS

Please report new bugs to Hubert.Garavel@inria.fr