NAME

simulator − interactive simulator with ASCII command-line interface

SYNOPSIS

bcg_open [*bcg_opt*] *spec*[**.bcg**] [*cc_opt*] **simulator**

or:

exp.open [*exp_opt*] *spec*[**.exp**] [*cc_opt*] **simulator**

or:

fsp.open [*fsp_opt*] *spec*[**.lts**] [*cc_opt*] **simulator**

or:

lnt.open [*lnt_opt*] *spec*[**.lnt**] [*cc_opt*] **simulator**

or:

lotos.open [*lotos_opt*] *spec*[**.lotos**] [*cc_opt*] **simulator**

or:

seq.open [*seq_opt*] *spec*[**.seq**] [*cc_opt*] **simulator**

DESCRIPTION

This program provides interactive simulation for 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**.

It performs an infinite interpreter loop, reading commands on the standard input, executing these commands, and printing the result on the standard output.

A stack is used to maintain the execution sequence starting from the initial state and leading to the current state, thus making backtrack possible.

The list of available commands can be obtained by typing "help" or "?".

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.

EXIT STATUS

Exit status is 0 if everything is alright, 1 otherwise.

DIAGNOSTICS

When the source is erroneous, error messages are issued.

AUTHOR

Hubert Garavel (INRIA Rhone-Alpes)

OPERANDS

*spec***.bcg**	BCG graph (input)
*spec***.exp**	network of communicating LTSs (input)
*spec***.lts**	FSP specification (input)
*spec***.lnt**	LNT specification (input)
*spec***.lotos**	LOTOS specification (input)
*spec***.seq**	sequence file (input)

FILES

The source code of this tool is available in file **$CADP/src/open_caesar/**{**simulator.c,simulator.i**}

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