

NAME

`xsimulator` – interactive simulator with X-windows interface

IMPORTANT NOTE

The **xsimulator** tool is a small, simple simulator with very limited capabilities. It is only available on Unix systems and cannot be ported to Windows easily. It is advised to migrate to the **ocis**(LOCAL) simulation tool, which provides advanced capabilities and is available for both Unix and Windows platforms.

SYNOPSIS

bcg.open [*bcg_opt*] *spec* [**.bcg**] [*cc_opt*] **xsimulator**

or:

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

or:

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

or:

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

or:

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

or:

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

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**.

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 clicking on the "help" button.

see <http://cadp.inria.fr/man/pictures/xsimulator.jpg>
The Xsimulator window

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.

AUTHORS

Version 1.* of **Xsimulator** was developed using the X11 library by Frederic Rocheteau and Hubert Garavel (INRIA Rhone-Alpes). This version is no longer distributed.

Version 2.* of **Xsimulator** was developed by Mark Jorgensen, and further improved by Jean-Michel Frume and Hubert Garavel.

OPERANDS

<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)

FILES

The binary code of this tool is available in file **\$CADP/bin.‘arch’/xsimulator.a**

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), **ocis**(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