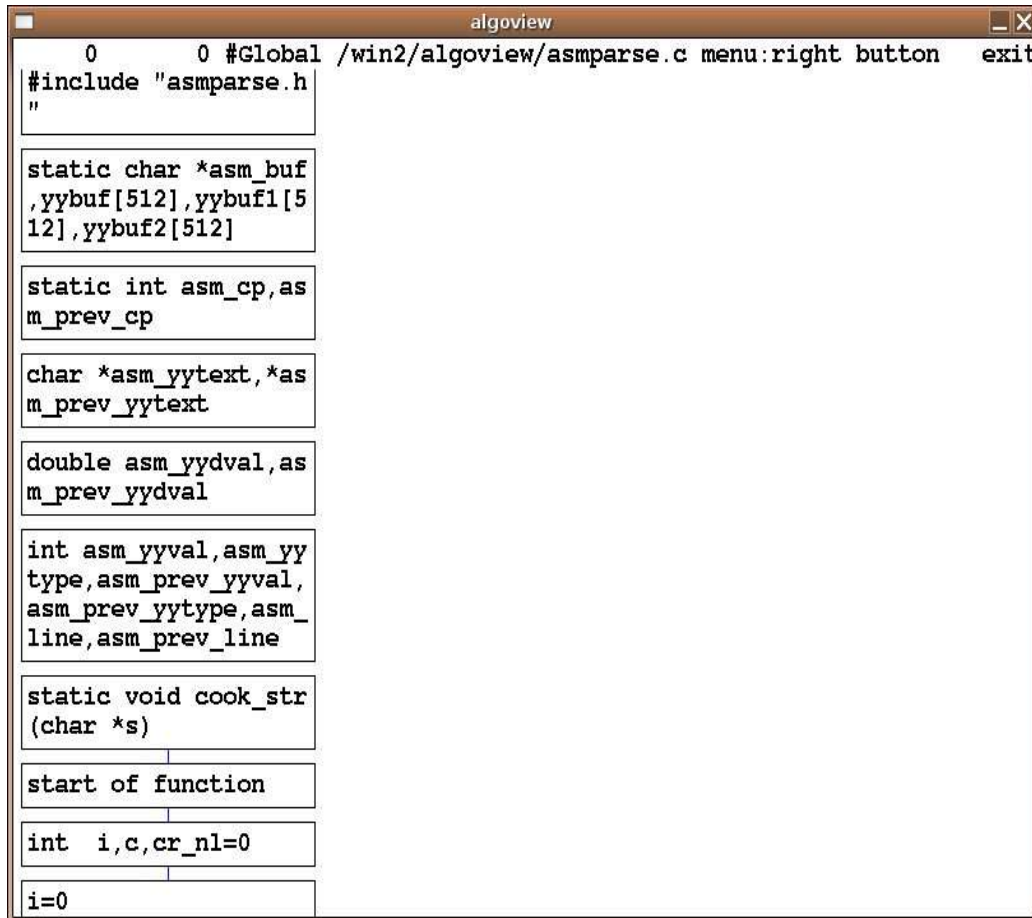


ALGOVIEW MANUAL

2005.10.28,Fri JD.Rhee

1.Introduction

The Algoview reads the C source file or the assembly file and shows the flowchart-like diagram and users can navigate the control flow.

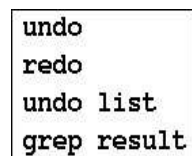


2.Usage

1)Navigation

Click the mouse left button on the box,then it will scroll to the next box connected with the box.

Click the mouse left button on empty space ,then it will show a menu that supports backtrace.



Clicking the undo item runs backtrace.(The algoview restores only scroll position)

2).Menu

If users click the right button, a menu will appear.

```
previous statement  
find name  
find upward  
find downward  
view source  
go to function  
function graph  
option  
help  
open  
quit
```

(1).Previous statement

Goes to the previous box connected with .

(2).Find name

For example,if users click the right button with the cursor at the following box and select find item

```
*a && *b && tolower(  
*a)==tolower(*b) ?
```

,then the following dialog box opened.

find name

OK Cancel

☒ From Start ☐ From Cursor

☐ Function definition ☐ Grep

☐ Within current function ☐ reachable

☒ all scope ☐ Grep Dir

tolower

☒ whole word ☒ Case sensitive

a
b
tolower

Users can input the search text by choosing list box or directly(move the cursor to the edit box where “tolower” is located in the picture and edit that).

The search process run with some options.

(a).From Start

Sets the start position of searching to top in the domain
Searches from top to bottom in the domain.

(b).From Cursor

Sets the start position of searching to cursor in the domain
Searches from cursor to bottom in the domain.

(c).Function definition

Searches in the function declaration.

This option is available to searching function name.

The Reachable check will search through only one control path from start position.

(d).Within current function

Searches within the current function.

(e).all scope

Searches in the entire range

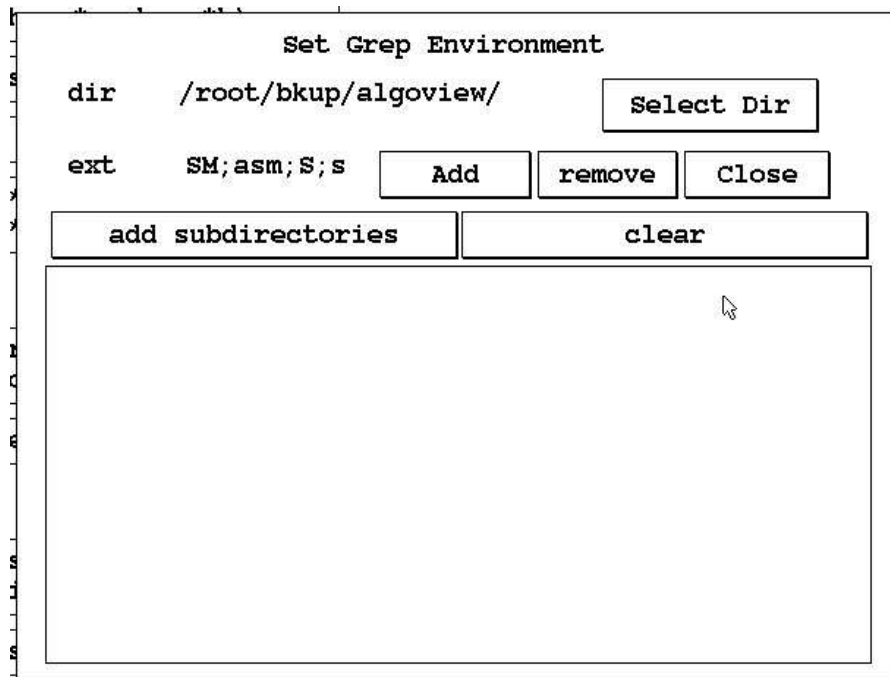
Now press the Ok button, then it go to a found box.

About Grep

Grep is a powerful tool to search the text in the range inside/outside the current file.

The Grep button will search the text in all source files in the grep directories.

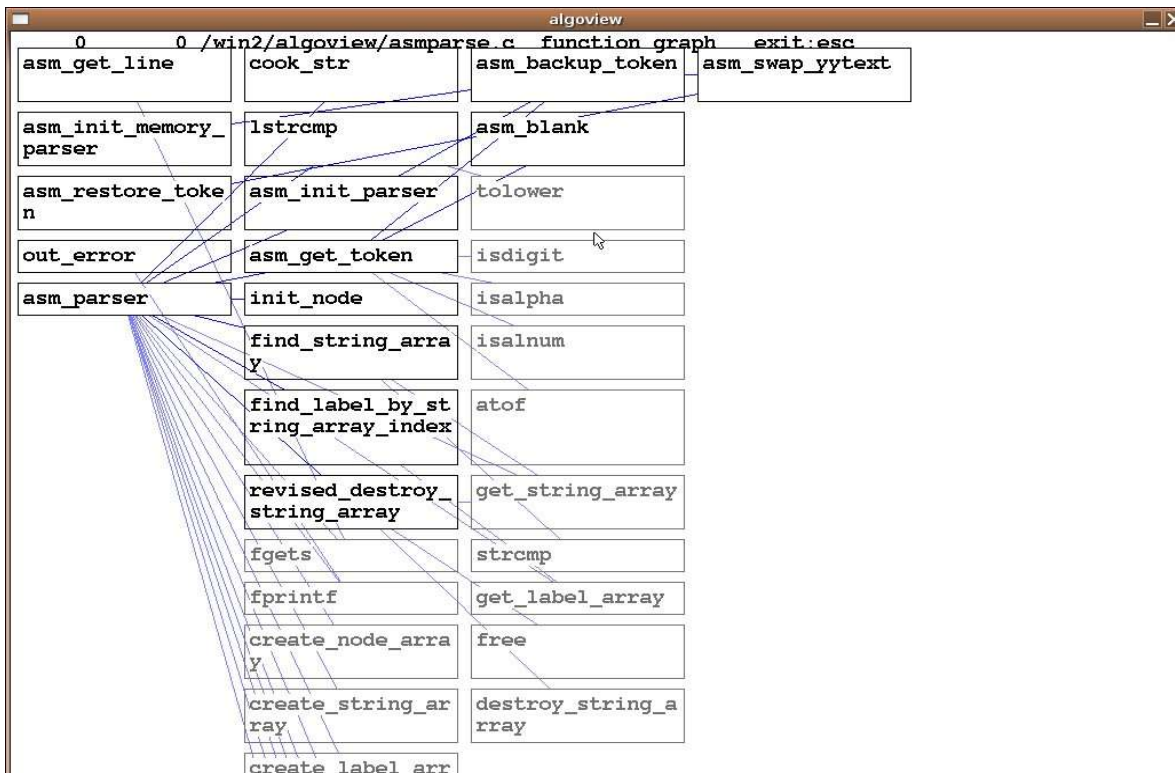
The grep directories can be set by the Grep Dir button.



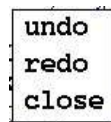
The Select Dir button will open the file selection dialog. If users select any file in the file selection dialog, the selected file's directory will be in dir item.

The Add button will add this directory to the grep directory list.

- (3).Find upward/ Find downward
Search the next found one .
- (4).View Source
Shows the source code.
- (5).Go to Function
Shows the defined fuctions' list,by clicking go to the function.
- (6).Function Graph
Shows the function call graph and enables to navigate.

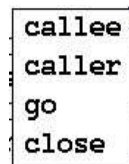


The left button menu is like this.



The undo item will restore the previous scroll position.

The right button menu is like this.



The callers are the functions call the current function.

The callees are the functions called by the current function.

The go exits the call graph and goes to the function the cursor was on.