

# Automatic flowchart generation tool (GUI version) yFlowGenGUI [Ver 1.0]

This Excel sheet is an auxiliary tool which can run yFlowGen.exe on GUI using Excel file.

## (1) Preparation

### [Step1] Installation of yED Editor

The file of the generated flowchart is in. Gml file format and it opens using yEd Graph Editor. yEd Graph Editor can be downloaded for free from the following.

Since yEd Graph Editor is a wonderful graph editor, please also use it when writing flow chart by hand.

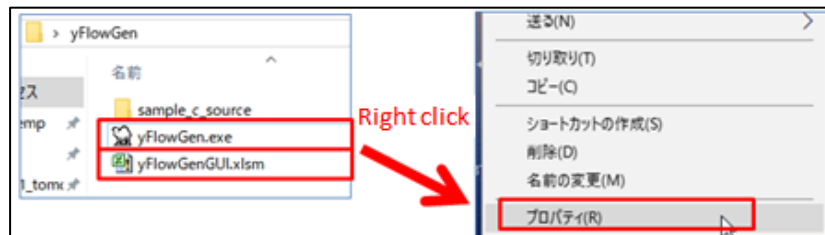
[[yWorks] yEd Graph Editor - Downloads]

<https://www.yworks.com/downloads#yEd>

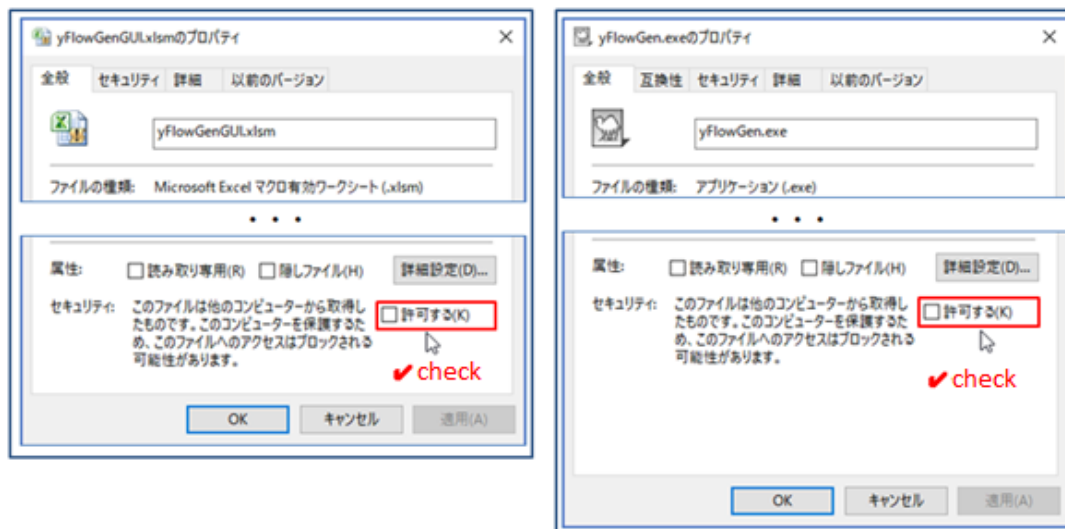
### [Step2] Cancellation of block

Files acquired from the Internet via Windows are not allowed to run unless you unblock them. For this reason, please unblock in the following way.

[Step 1] Right-click the file and press Properties

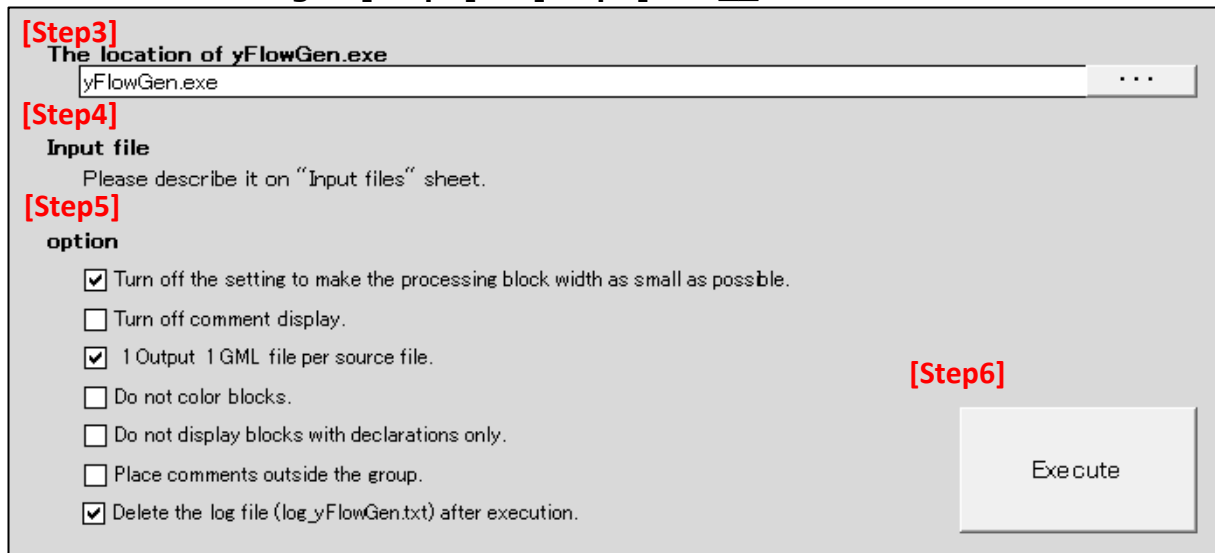


[Step 2] Please check the box of "Allow" in the security item



## (2) Setting of yFlowGenGUI

Please do the setting in [Step3] ~ [Step5] on \_\_SETUP AND EXECUTION sheet and then [Step6]



**[Step3]**  
The location of yFlowGen.exe  
yFlowGen.exe

**[Step4]**  
Input file  
Please describe it on "Input files" sheet.

**[Step5]**  
option

- Turn off the setting to make the processing block width as small as possible.
- Turn off comment display.
- 1 Output 1 GML file per source file.
- Do not color blocks.
- Do not display blocks with declarations only.
- Place comments outside the group.
- Delete the log file (log\_yFlowGen.txt) after execution.

**[Step6]**  
Execute

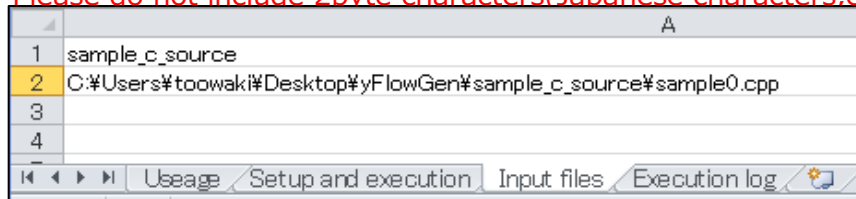
[Step3] Specify the location of yFlowGen.exe

Please press "... " button and specify the location where yFlowGen.exe is located.

Because it is also possible to specify by relative path, if you have yFlowGen.exe in the same hierarchy as this file, it will work even if you type directly with yFlowGen.exe.

[Step4] Input file

- Please describe the input file in "Execution target file" sheet. Please describe the file location in order from cell
- The folder hierarchy delimiter will work with either "¥" or "/".
- If there is no extension, search and execute the C source file (.c, .cpp) under the directory.
- If the file does not exist, ERROR is displayed in the execution log.
- **Because there are times when it is not possible to correctly acquire the file, Please do not include 2byte characters(Japanese characters,etc) in the pass to be described.**



[Step5] Option

Please set the option.

[Step6] Automatic flowchart generation

With the setting of [Step3] to [Step5] completed, please push the automatic flowchart generation execution

When executing the automatic flowchart generation execution, the execution result is displayed on the "execution log" sheet.

Type	Contents
Argument	-no compact -outfile -d sample c source
Current dir	C:/Users/toowaki/Desktop/yFlowGen
Input file	sample c source/sample0.cpp
Function	int sample fnc(int i val1)
Output file	/result yFlowGen/sample c source/sample0.cpp.gml

Argument: Argument specified in yFlowGen.exe

Current dir: Folder when executed

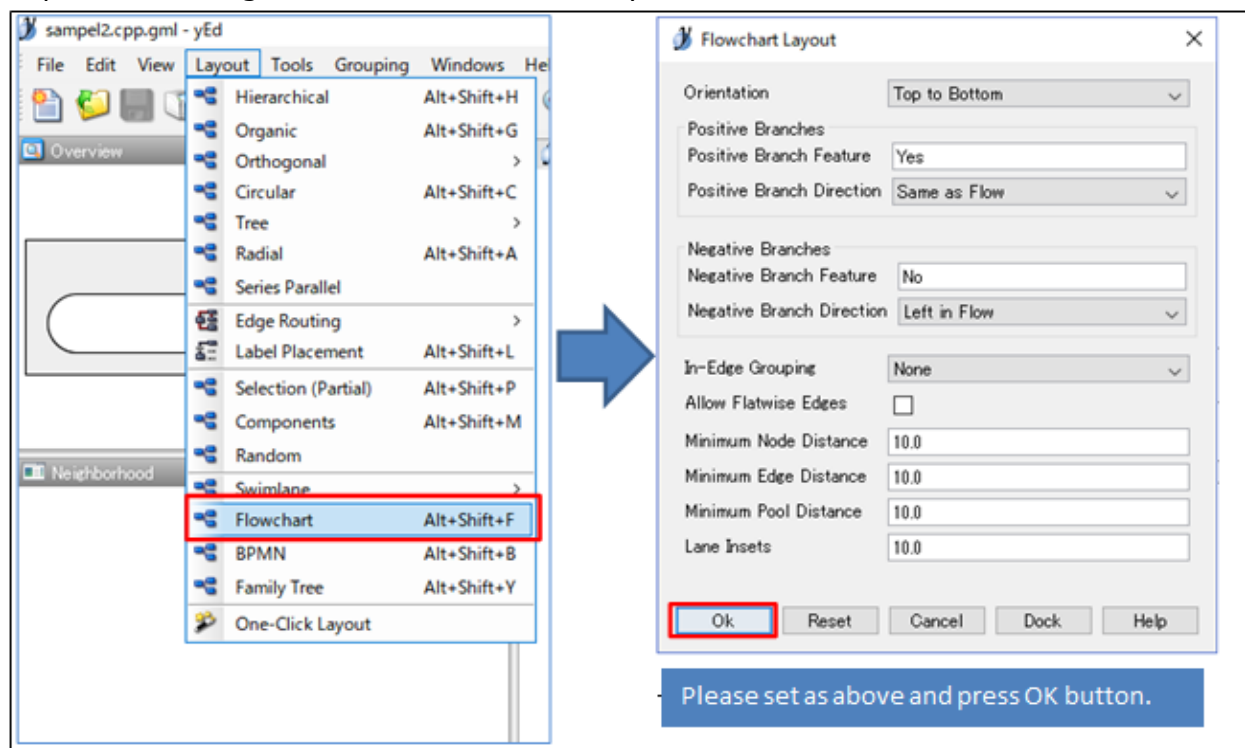
Input file: input C source file (with link)

Function: Name of the function described in the C source file

Output file: Output result file [gml format file] (with link)

**(3) Automatic alignment of flowchart in yEd Graph Editor**

After opening the result file (gml file), use the auto alignment function of yEd Graph Editor to automatically arrange the figure. Please open the setting · execution window in Layout → Flowchart on the tool bar and execute with the following settings.



**(4) Operating environment**

Excel 97 - 2003, Excel 2010, Excel 2013 (32 bit version, 64 bit version), Excel 2016

**(5) Terms of use**

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Please reprint freely. Also, please do not alter or change this software.

**(6) Disclaimer**

The author is not involved with any damage or the like caused by using this program.  
Please use this program at your own risk.

**(7) Contact information**

If you have any requests, please email [toowaki.fc2@gmail.com](mailto:toowaki.fc2@gmail.com).

**(8) History**

Ver	contents	Date
1.0	New creation	2018/1/5