AirlinkToDot

TRNFlow to GraphViz converter

# Software environment

The operation of this utility has been confirmed on the following environments.

* Windows10 Pro(64bit, 1803)
* TRNSYS18.00.0019(64bit)

# Installation

* 1. Installing AirlinkToDot

Firstly, download the installer from the following URL and unzip it.

<https://github.com/TRNSYSJP/TRNSYS.JP/tree/master/Tools/AirlinkToDot>

Next, Run the Setup.exe and complete the installation according to the message displayed by the installer.

* 1. Installing Graphviz

Please download GraphViz from the official website and install it.

<https://www.graphviz.org/>

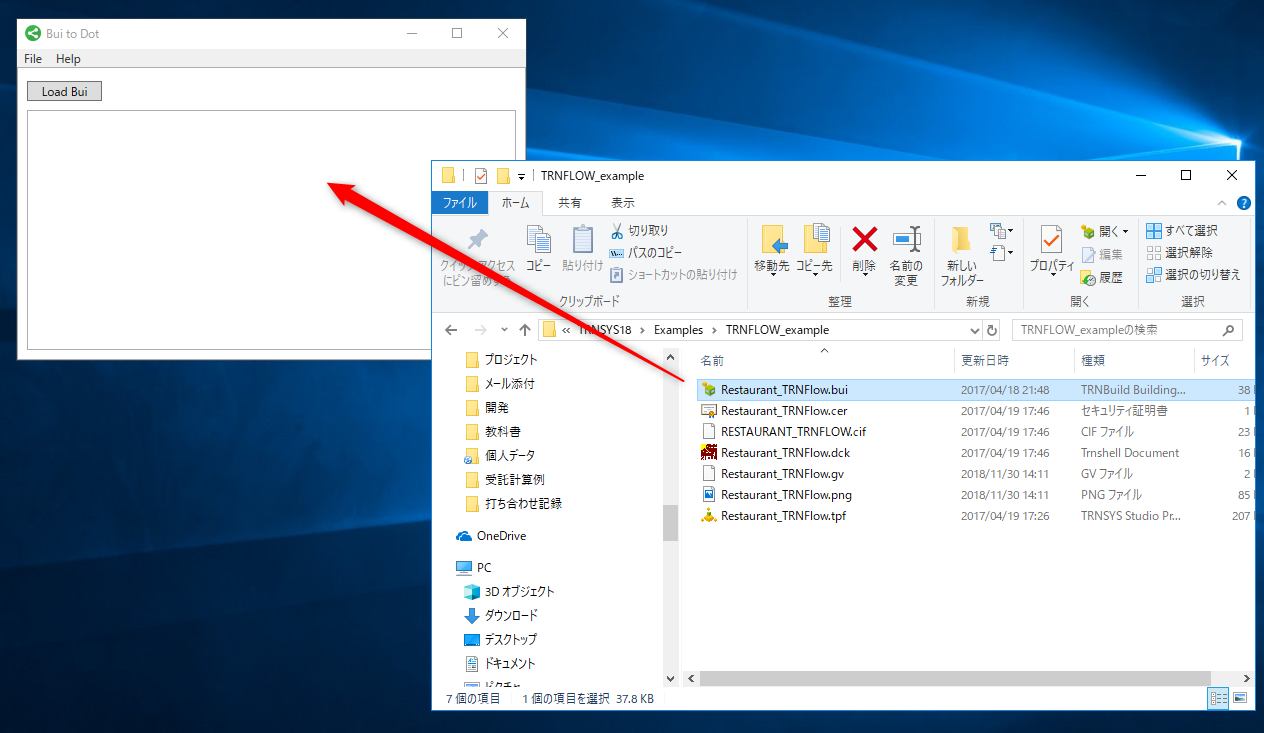
After installation, copy all files in 'C: \Program Files (x86) \ Graphviz 2.38 \ bin' to 'C: \ Program Files (x86) \ TRNSYS.JP \ AirlinkToDot \ GraphViz' folder.

# Using AirlinkToDot

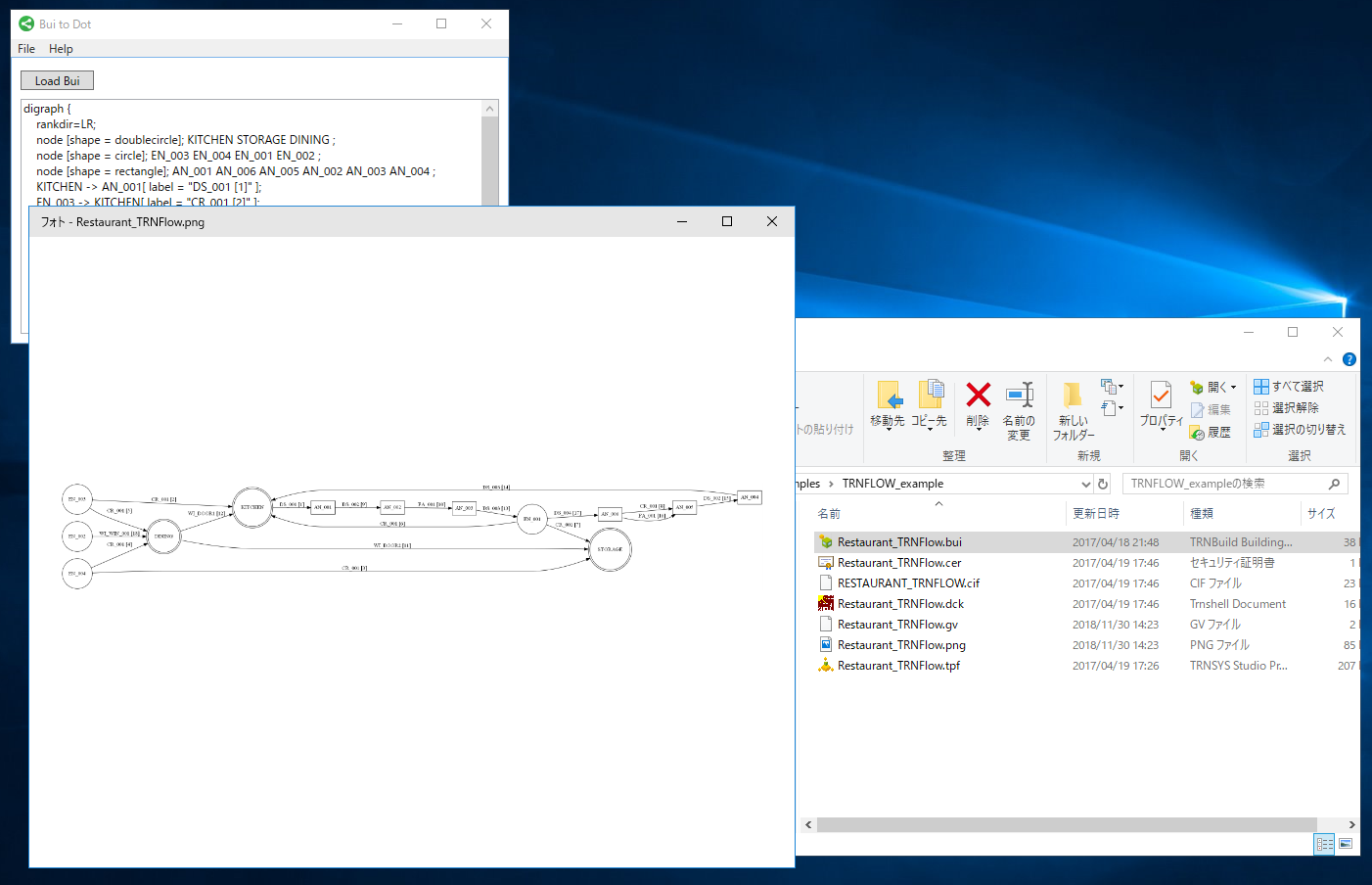
To start the program, select [TRNSYS.JP] - [AirlinkToDot] from the start menu.



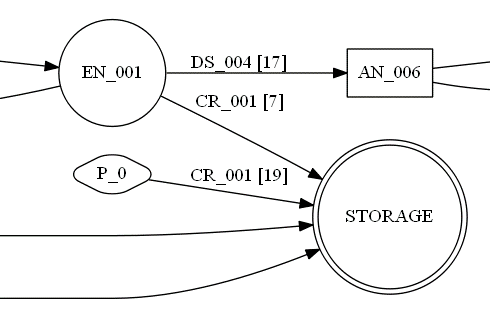
Click the [Load Bui] button or drop a Bui file from Explorer into the AirlinkToDot window.



The Bui file is converted to Graphviz format (\*. gv) and the generated diagram is displayed.



Airlinks and nodes are displayed as shown below.



ID

External node

Type Name

To-Node

From-Node

Thermal airnode

Auxiliary node

Const. Pressure node

◎　Thermal airnode

○　External node

□　Auxiliary node

◇　Constant Pressure Node

←　Airlink(Window,Door,Crack,Duct)