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Class summary

We are going to take dive into the Spreadsheet to PLC I/O Utility and show you how to manipulate it to automate the creation of all of your schematic drawings, not just the PLC drawings!





Key learning objectives

At the end of this class, you will be able to:

- Create the drawings and modules needed for schematic drawings
- Create the wdi files needed for different drawing styles
- Modify the demoplc.xls for use with all drawings
- Run the PLC I/O Utility for all drawings in the set
- Create a drawing that places a symbol on the entire drawing



Why did we do this?





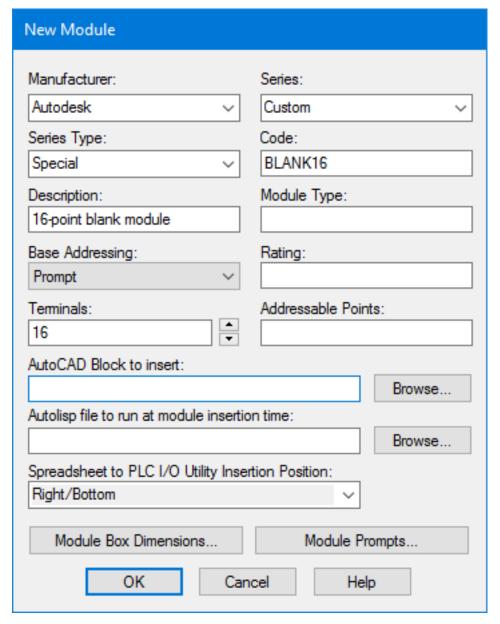
- Modify PLC drawing
- Change all Attributes to Invisible

[-][Top][2D Wireframe] Attribute Definition (9) *VARIES* Annotative Prompt *VARIES* TERMDESC TERM Constant Multiple lines No Lock position No

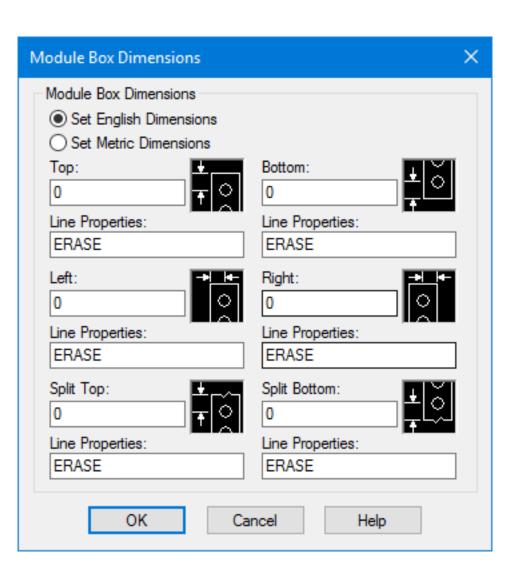




Add New Modules

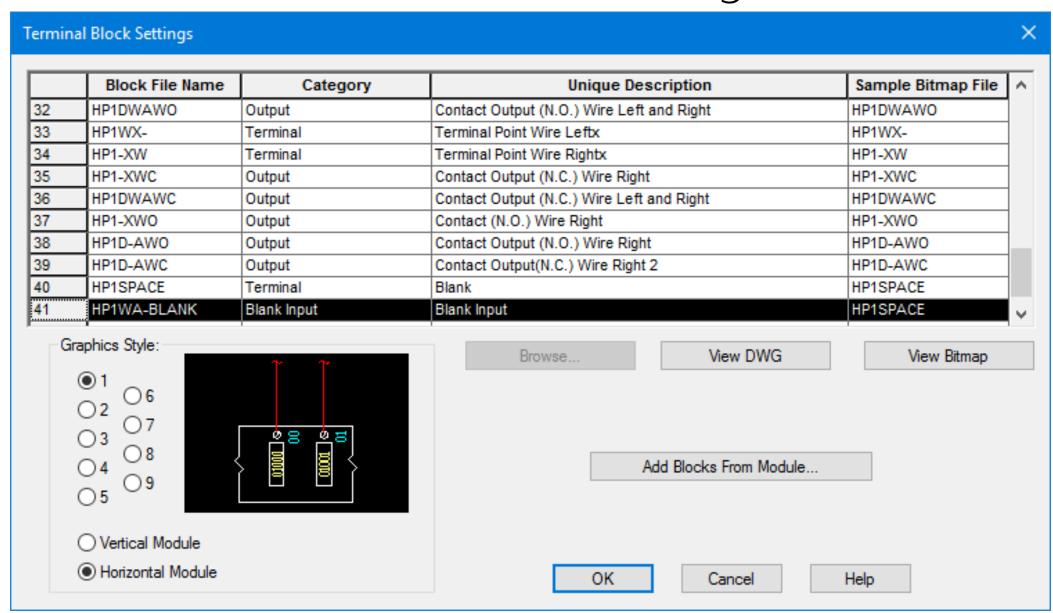


New Module	
Manufacturer:	Series:
Autodesk ~	Custom
Series Type:	Code:
Special V	BLANK44
Description:	Module Type:
44-point blank module	
Base Addressing:	Rating:
Prompt ~	
Terminals:	Addressable Points:
44	
AutoCAD Block to insert:	
	Browse
Autolisp file to run at module insertion time:	
	Browse
Spreadsheet to PLC I/O Utility Insertion Position:	
Right/Bottom V	
Module Box Dimensions Module Prompts	
OK Can	ncel Help



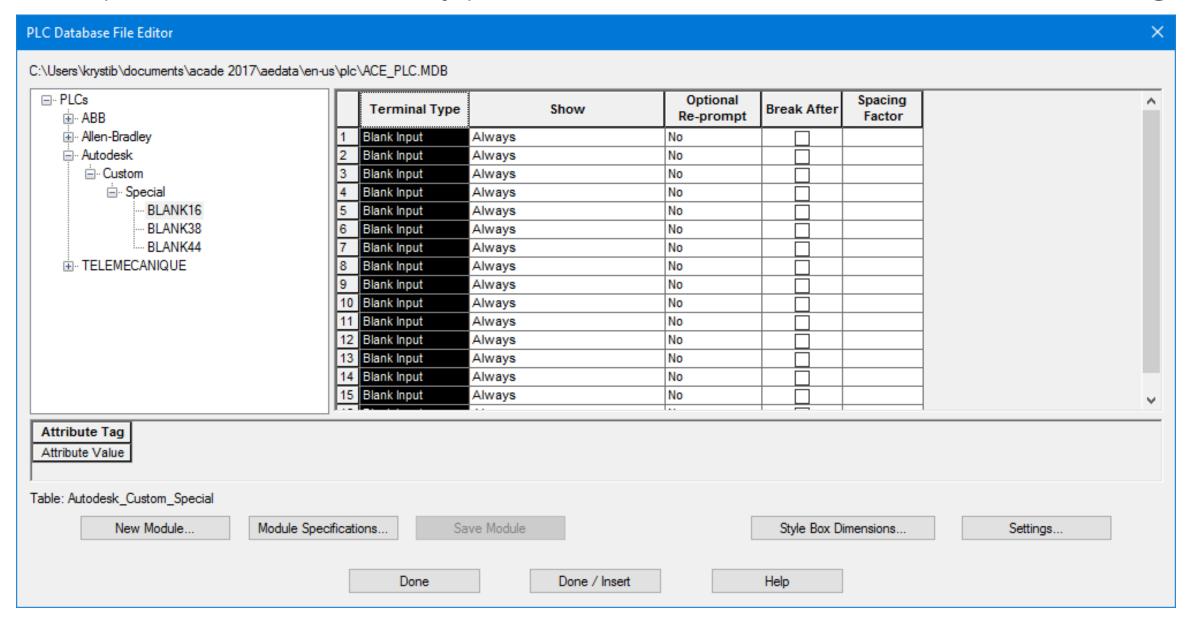


Create the Terminal Block Settings





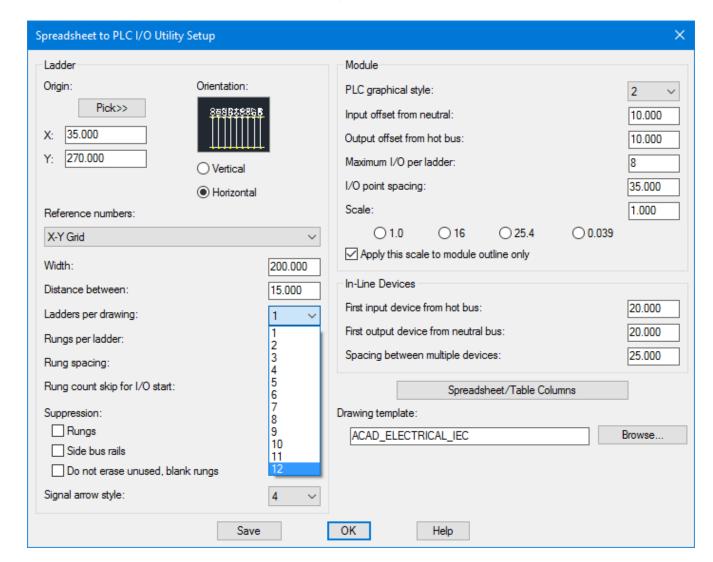
Update Terminal Type based on New Terminal Settings





Custom wdio Lisp and DCL Files

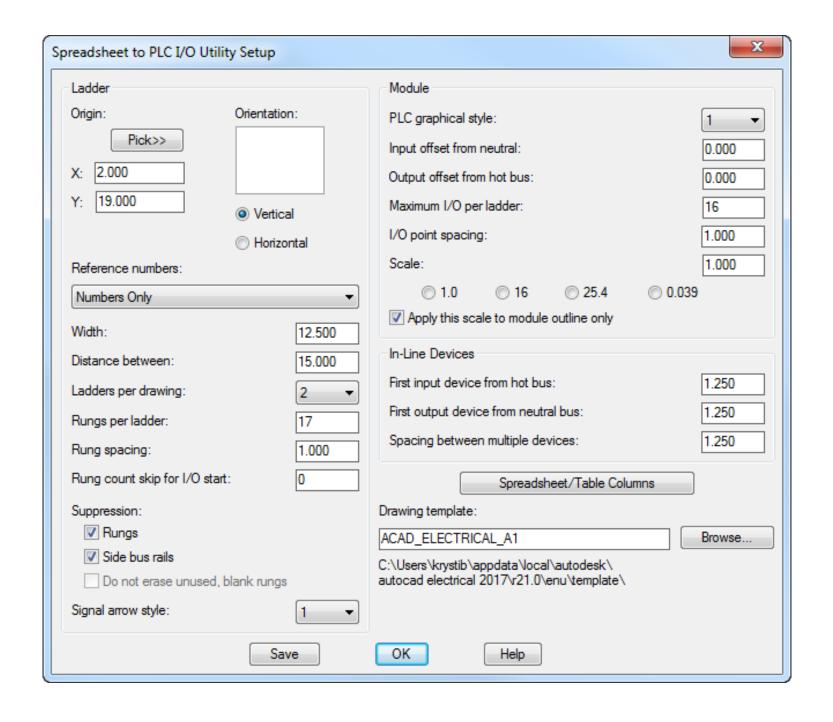
- wdio.lsp Added multiple lines of code for New drawings
- wdio.dcl Updated code to accommodate 12 Ladders per drawing





Create WDI files

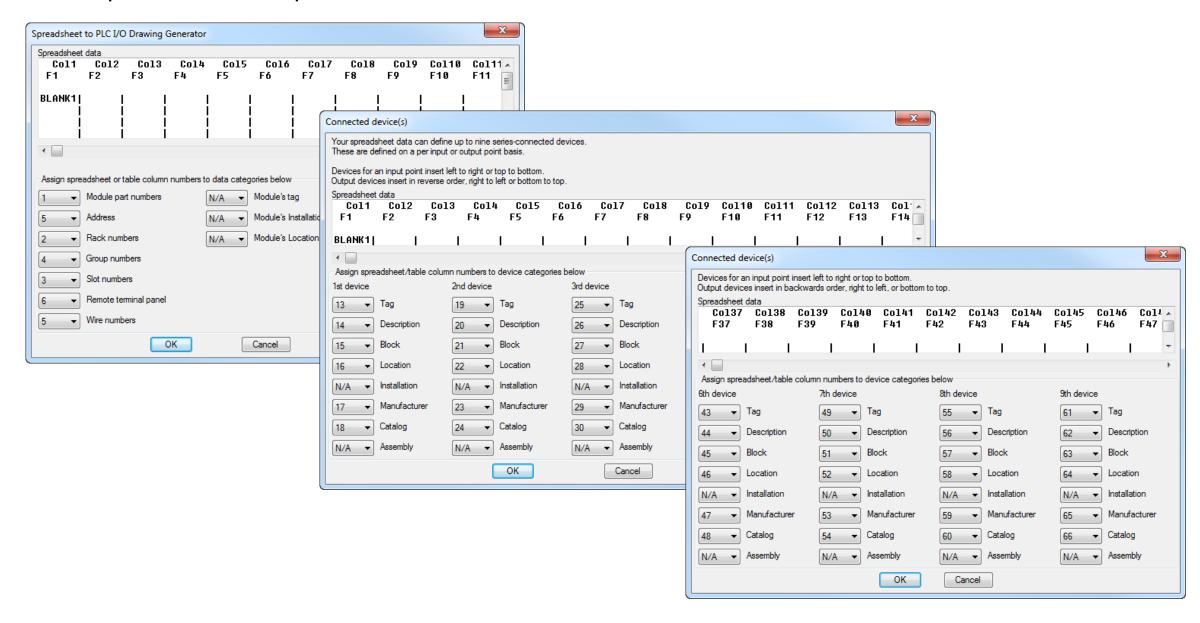
- AU2016 MTR.wdi
- AU2016 SCH.wdi
- AU2016 1769-IO.wdi
- AU2016 1756-IO.wdi
- AU2016 OPSTA.wdi
- AU2016 PANEL.wdi
- AU2016 BLANK.wdi





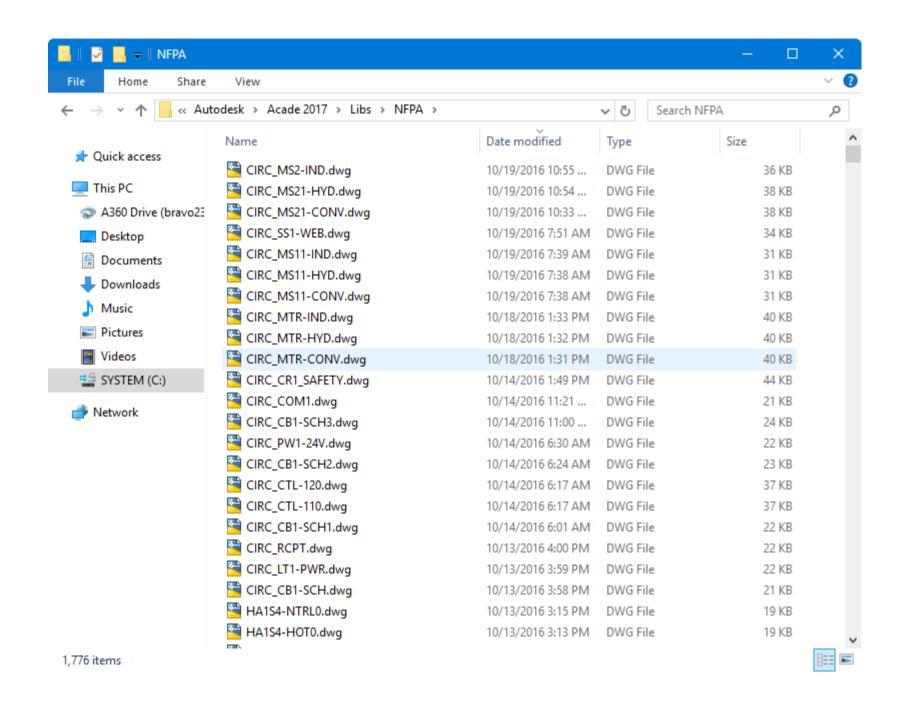
Create WDI files

Updated Spreadsheet/Table Columns



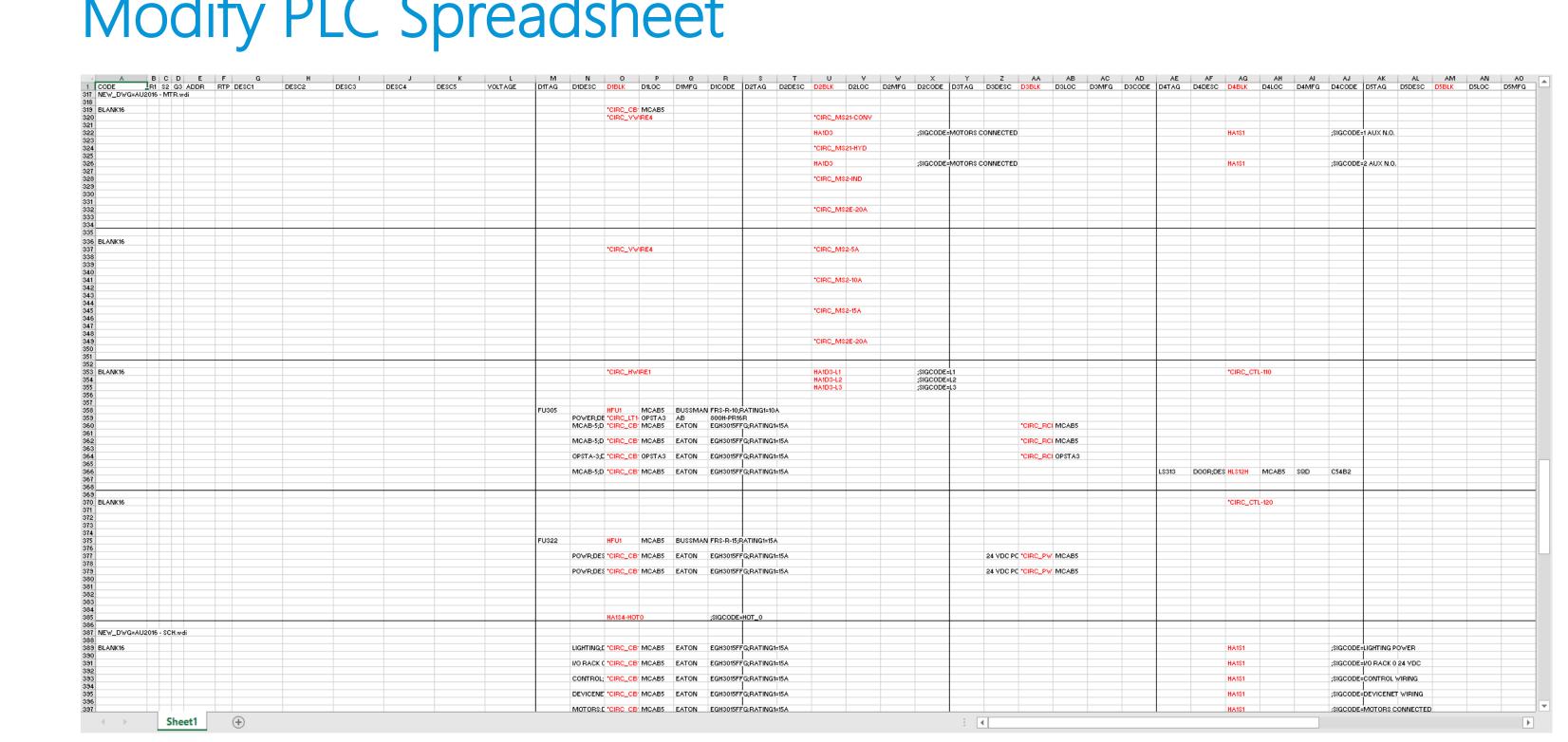


Create Circuit and Symbols



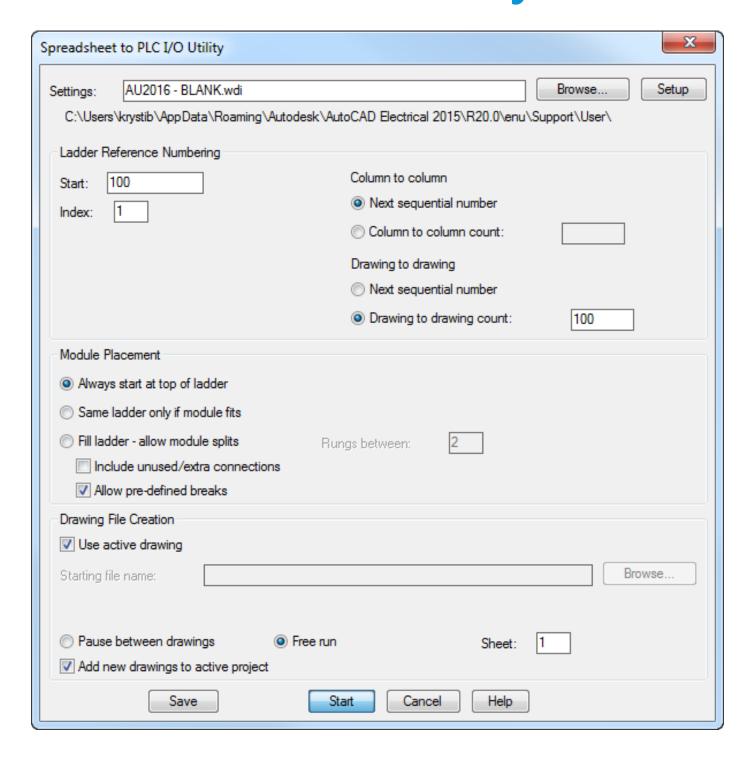


Modify PLC Spreadsheet





Run PLC I/O Utility





AutoCAD Electrical Track Classes Up Next

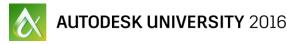
Thursday - 8:30am *GEN21987*

A New Kind of Dewey Decimal for Your Library

Thursday - 1:00pm GEN21261 (late addition)

Get Powered Up: How to Implement AutoCAD

Electrical

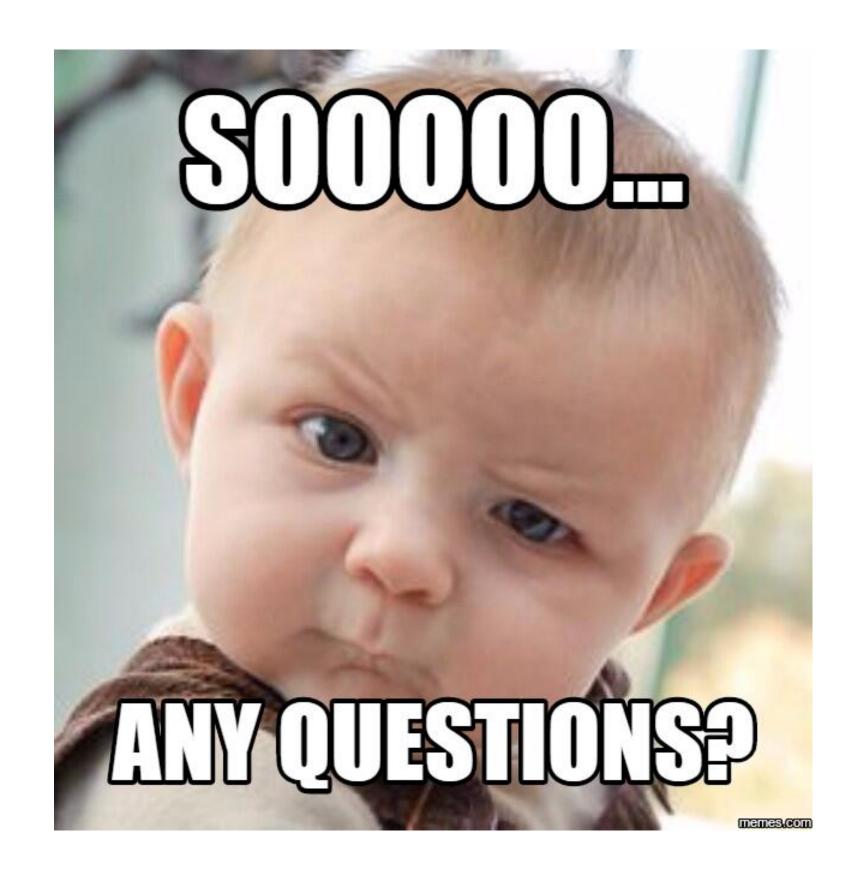




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