



HostHoppingScan\_v2\_BoostedMultiRegion.vi

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HostHoppingScan\_v2\_BoostedMultiRegion.vi

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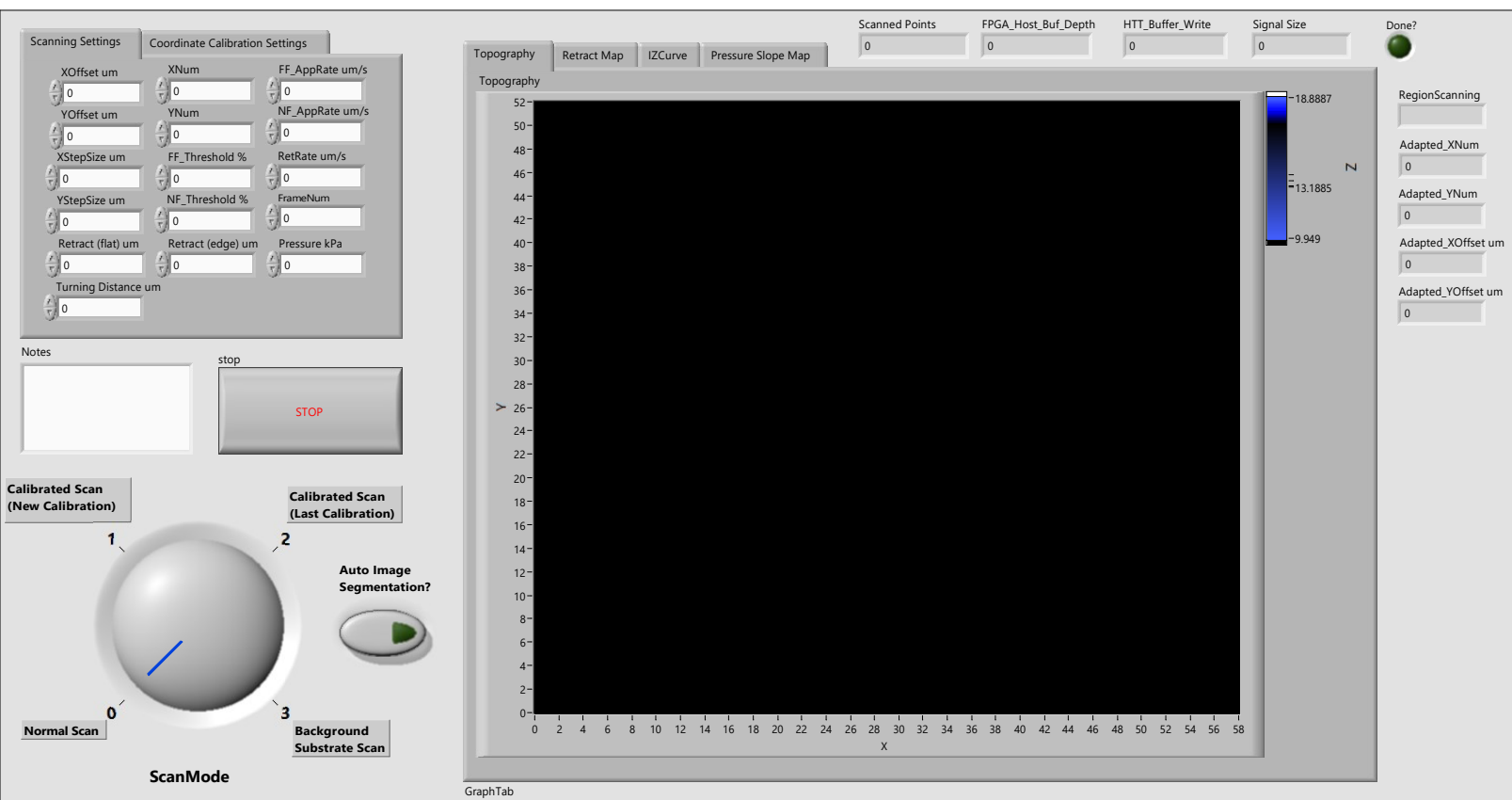
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## Connector Pane

## HostHoppingScan\_v2\_BoostedMultiRegion.vi



## Front Panel



## Controls and Indicators

- FrameNum**
- XNum**
- YNum**
- FF\_Threshold %**
- XStepSize um**
- YStepSize um**
- YOffset um**
- XOffset um**
- Retract (flat) um**
- RetRate um/s**




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 **FF\_AppRate um/s**

 **NF\_AppRate um/s**

 **GraphTab**

 **Pressure kPa**

 **Notes**

 **stop**

 **NF\_Threshold %**

 **ScanMode**

 **Scanning Settings**

 **XCoordCalBegin um**

 **YCoordCalBegin um**


 **XCoordCalEnd um**

 **YCoordCalEnd um**

 **CoordCalRetract um**

 **CoordCalThreshold %**

 **CoordCalAppRate um/s**

 **CoordCalRetRate um/s**


 **Retract (edge) um**

 **Auto Image  
Segmentation?**


 **Turning Distance um**

 **FPGA\_Host\_Buf\_Depth**

 **Topography**


 **Pressure Slope Map**

 **IZCurve**

 **Scanned Points**

 **HTT\_Buffer\_Write**

 **Done?**

 **Signal Size**

 **Adapted\_XNum**

 **Adapted\_YNum**

 **Adapted\_XOffset um**

 **Adapted\_YOffset um**



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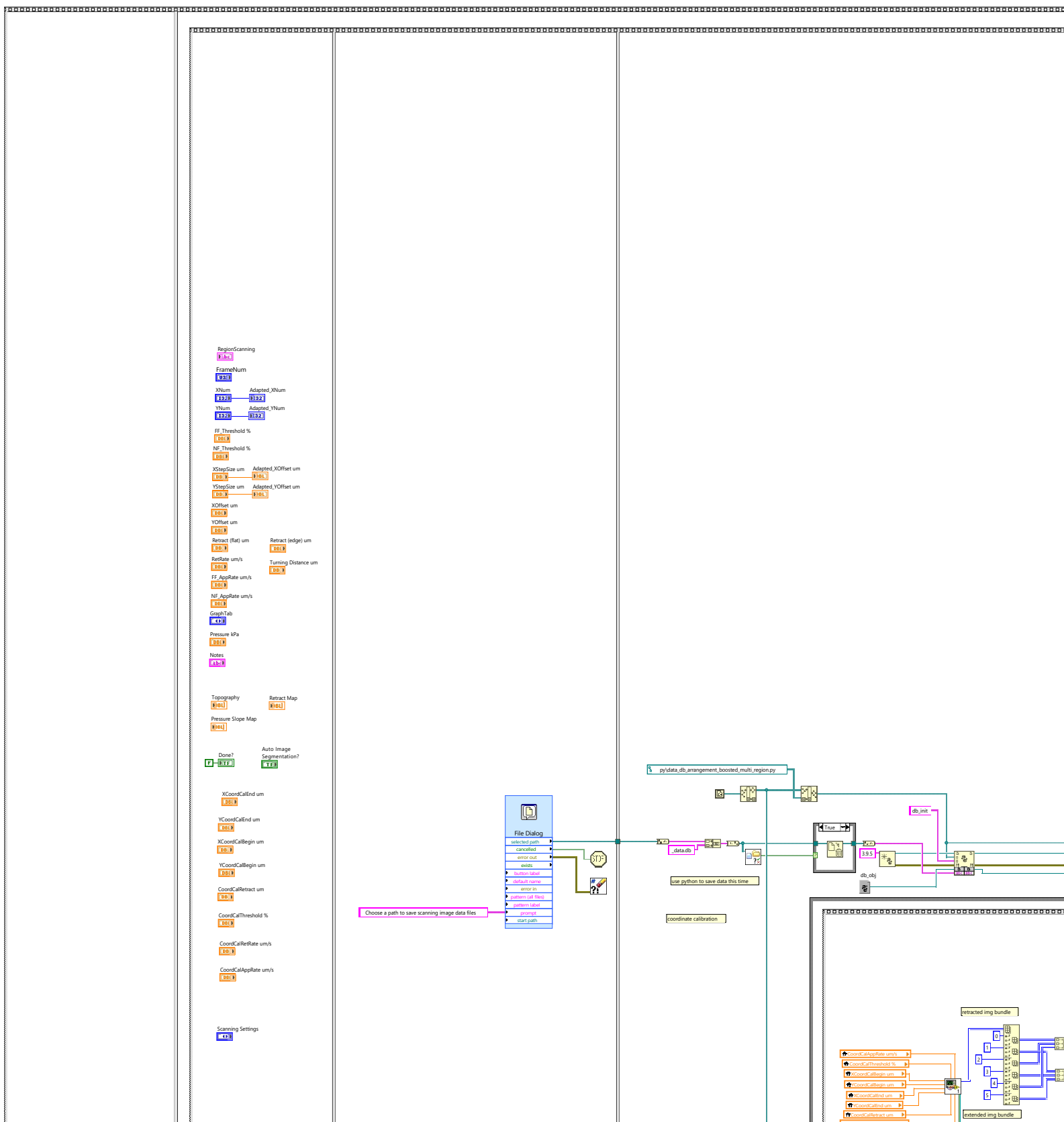


**Retract Map**



**RegionScanning**

Block Diagram





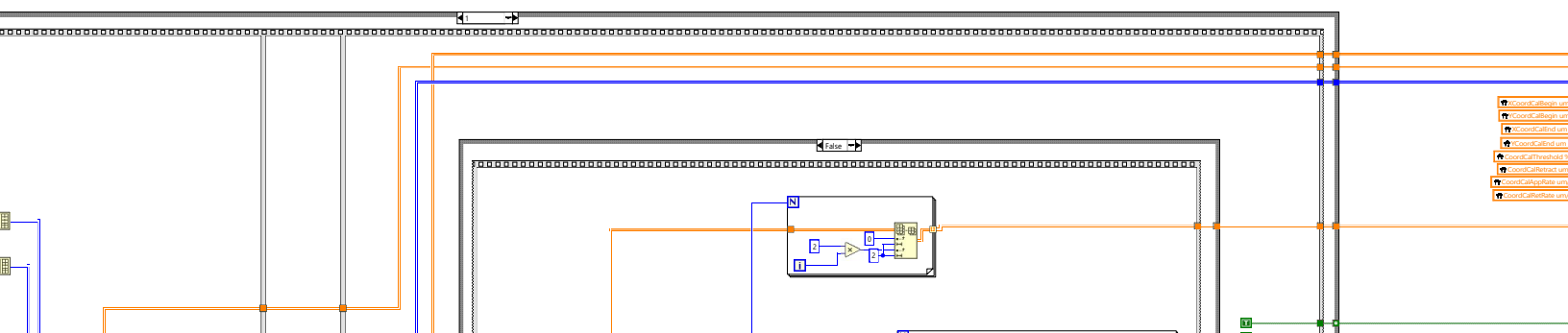
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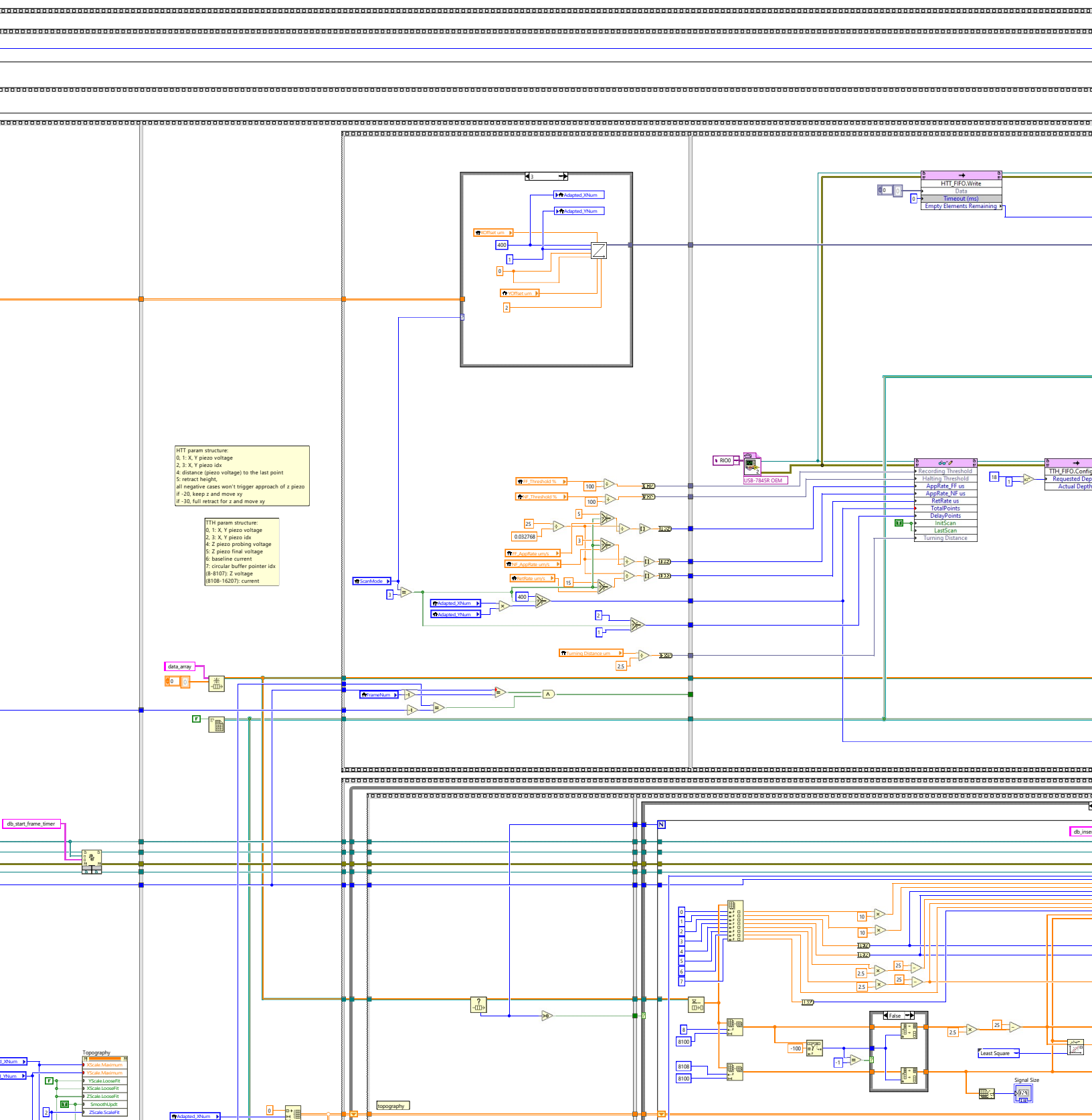
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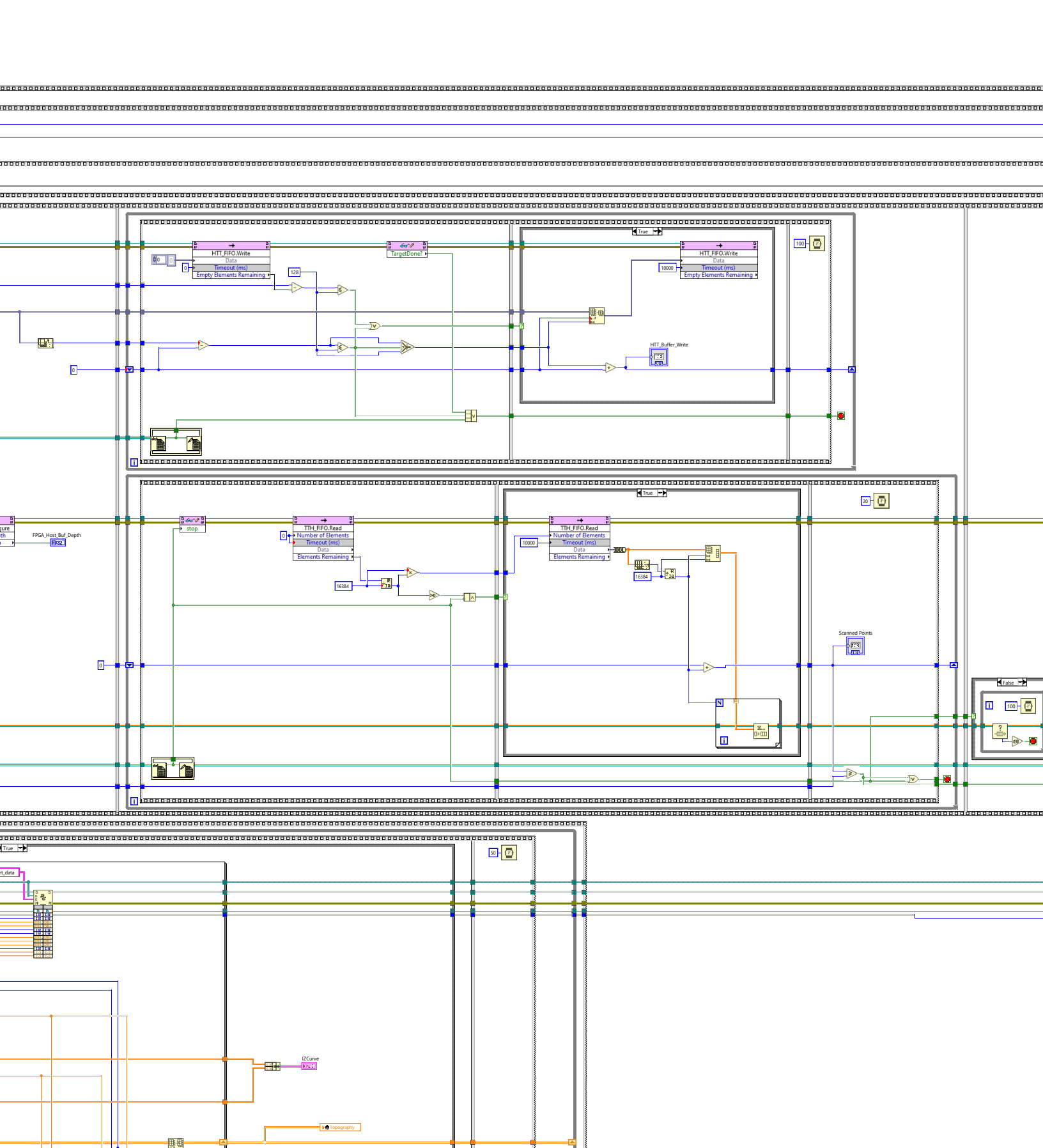
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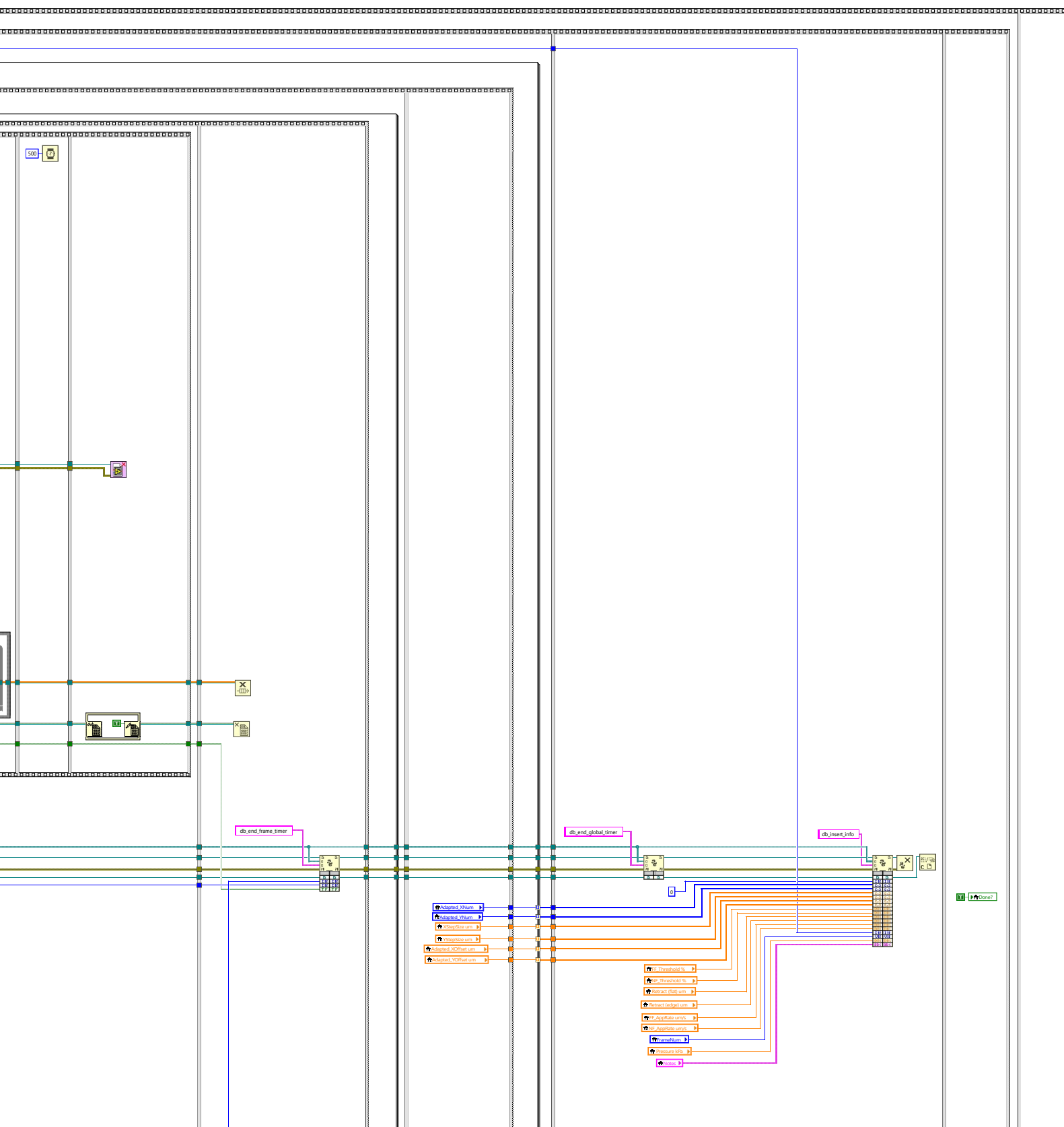
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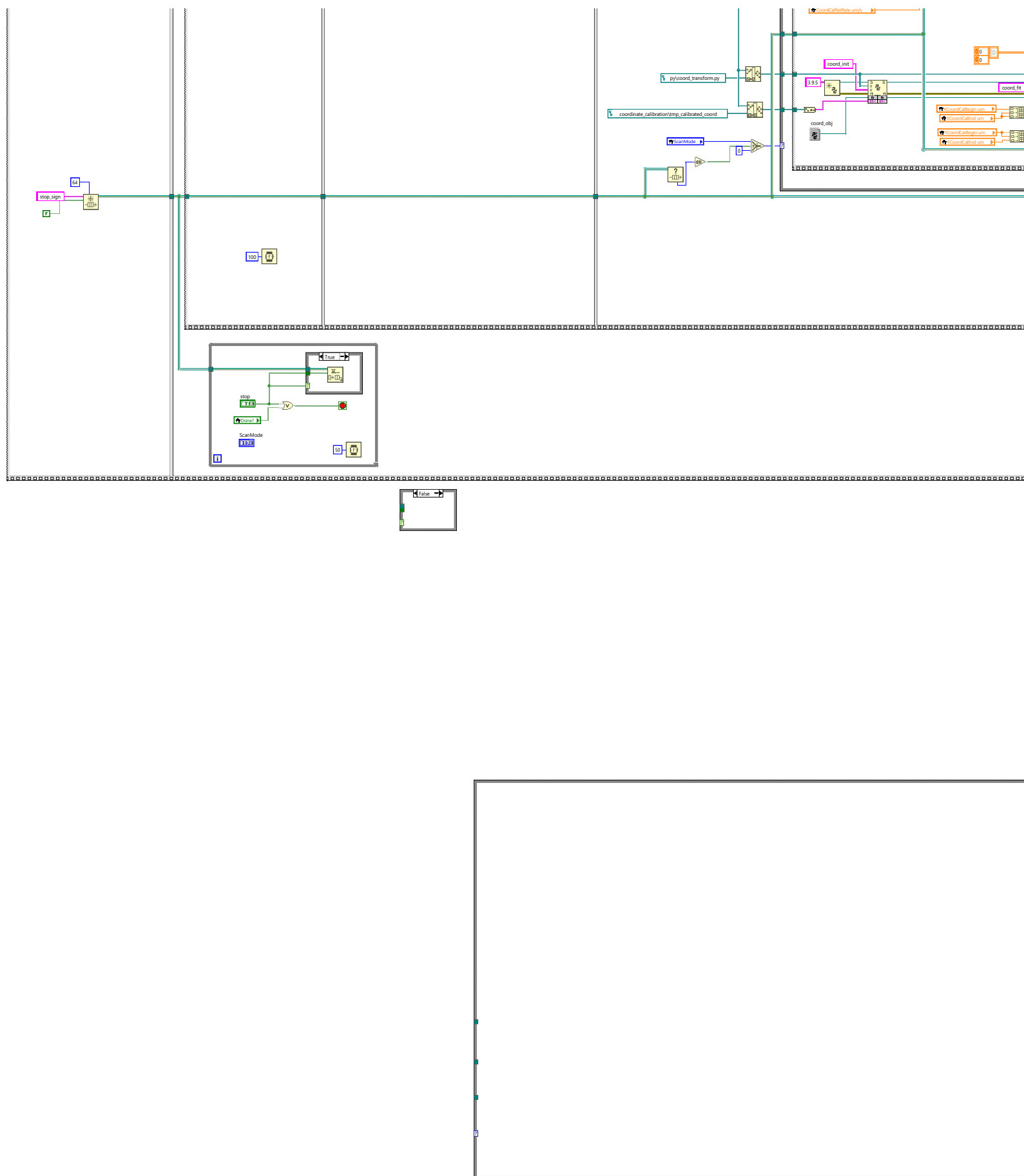


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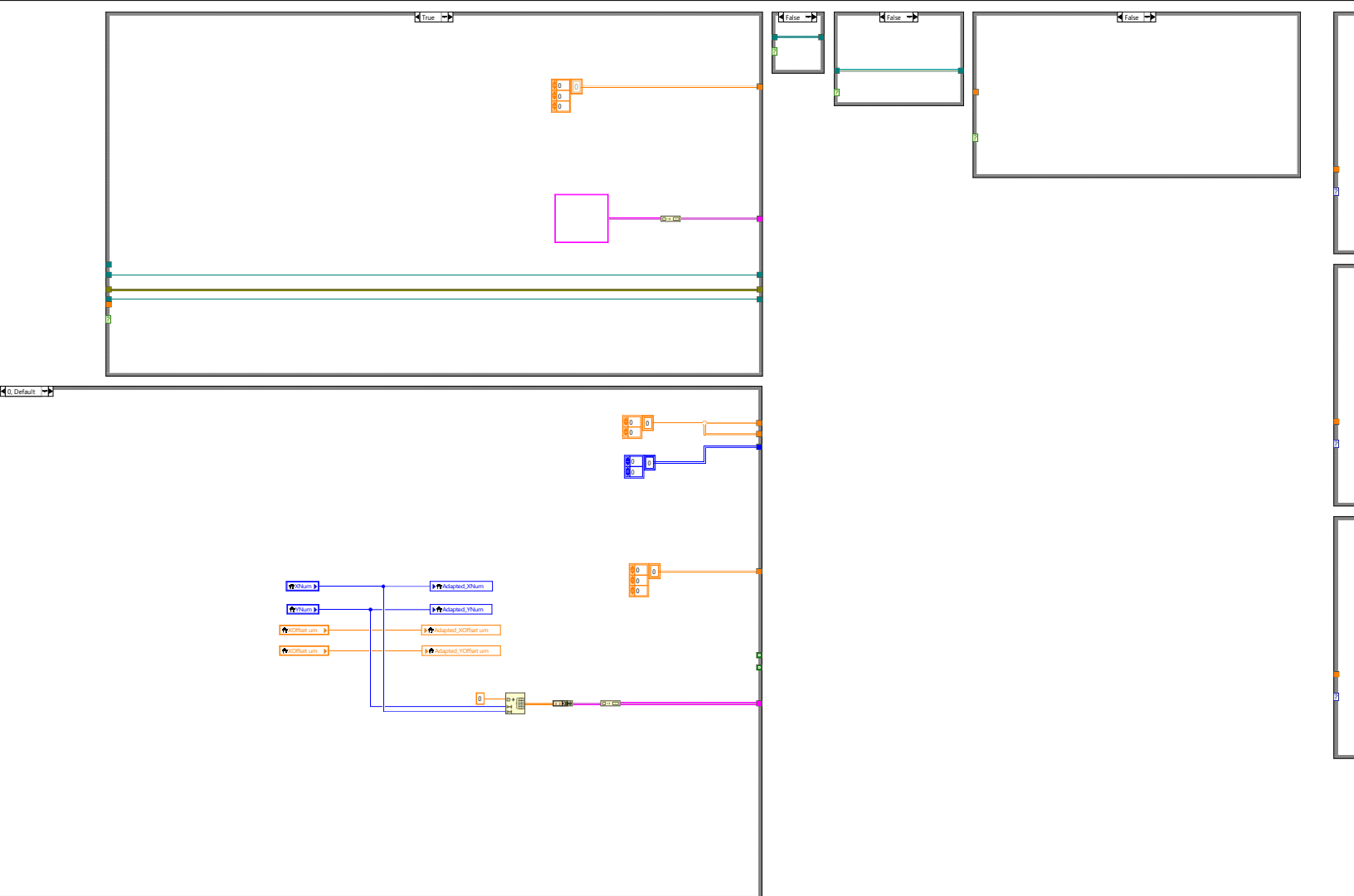
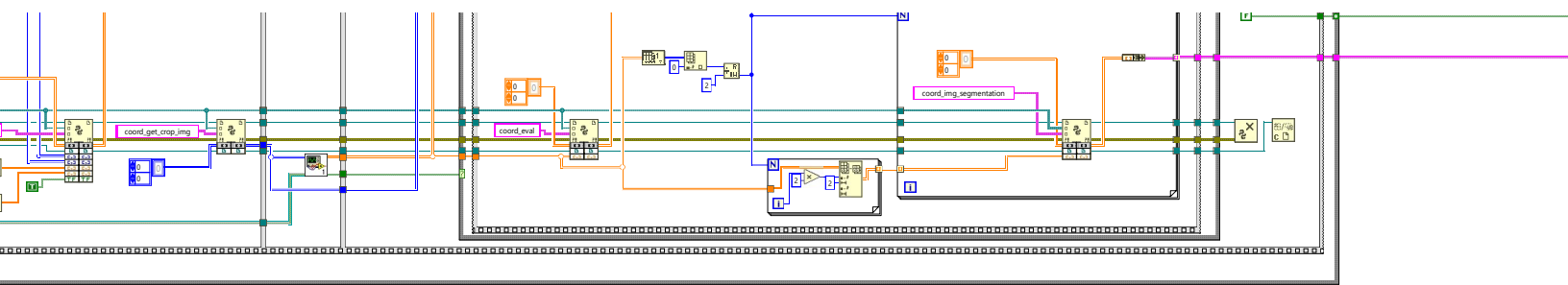
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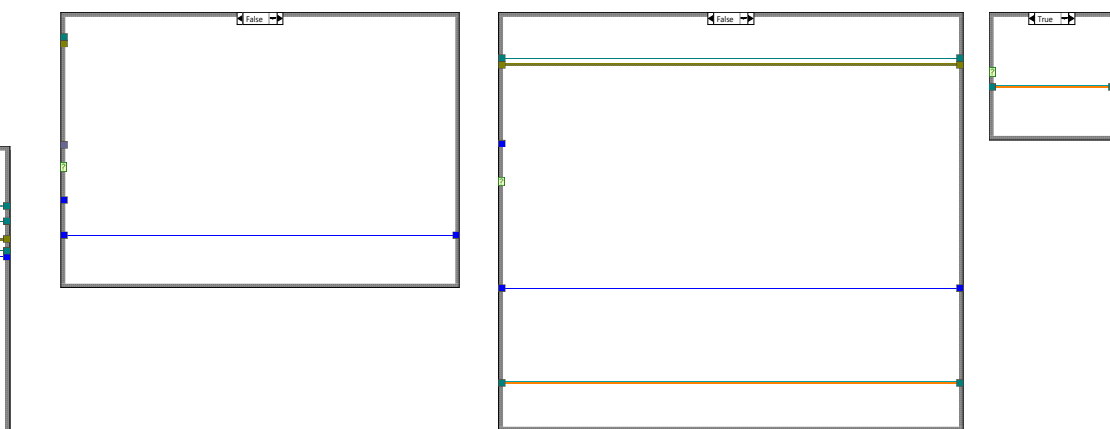
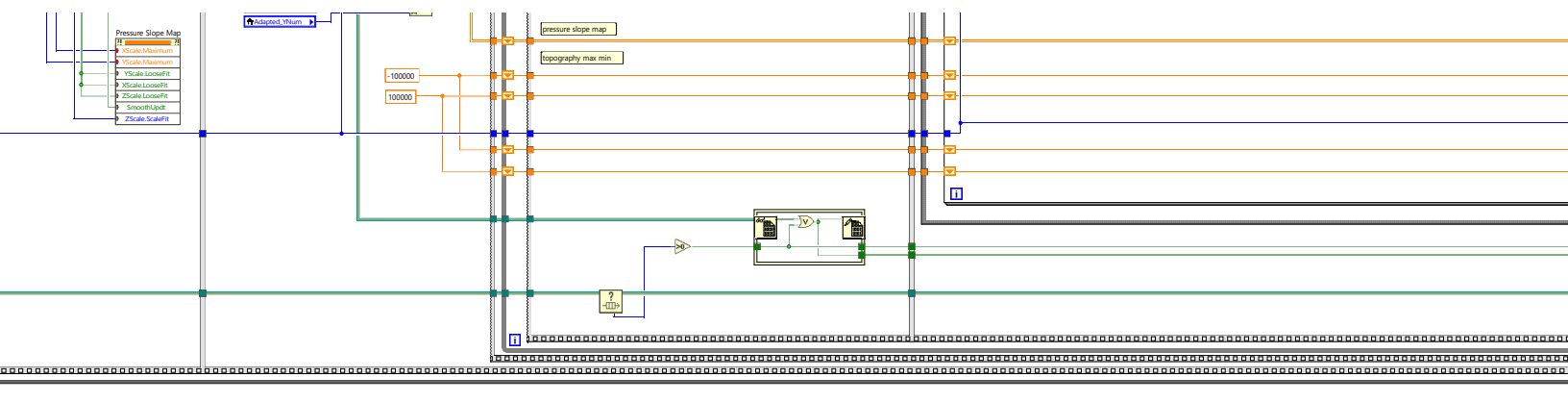
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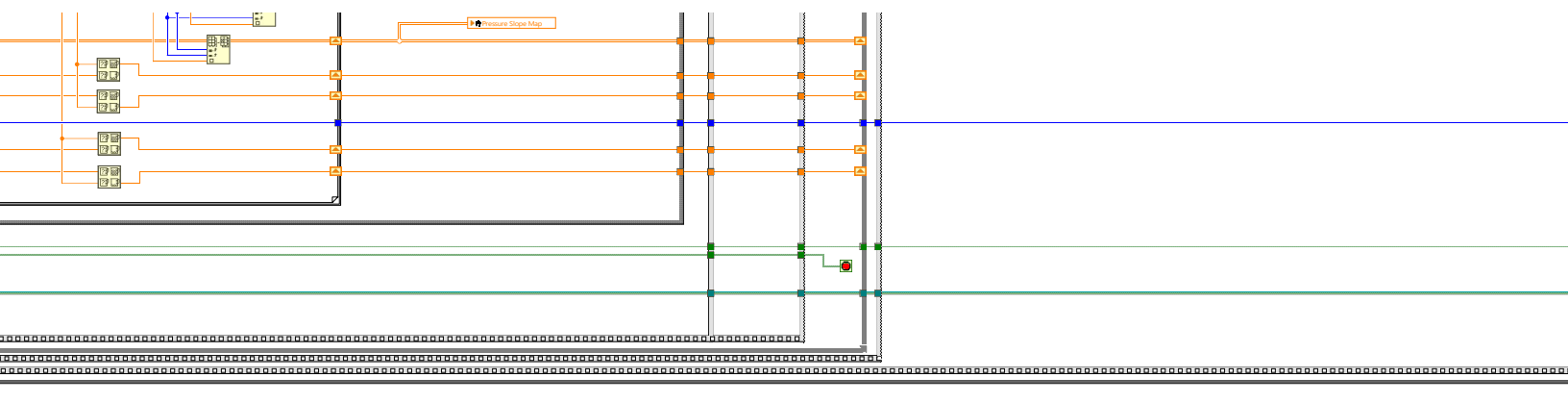
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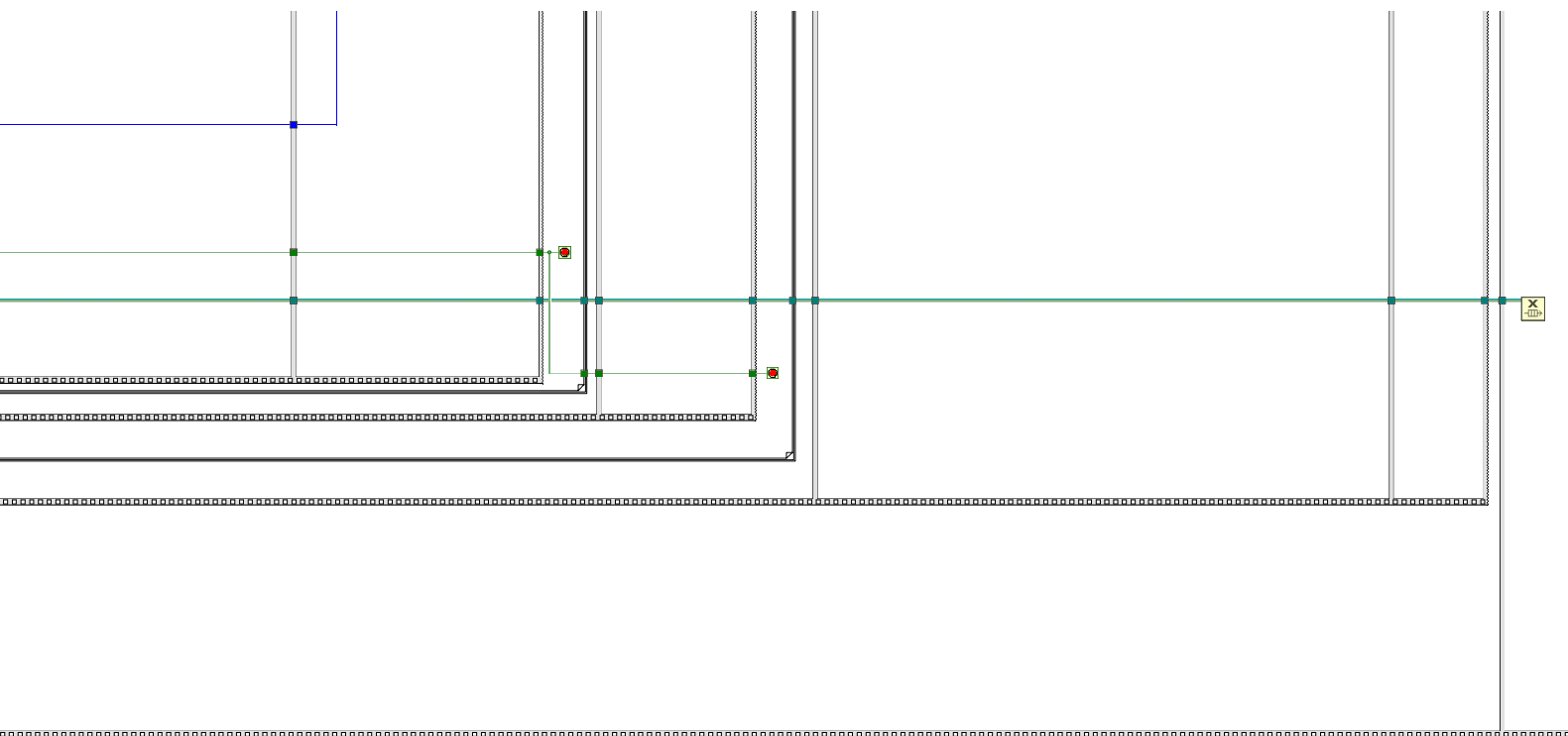
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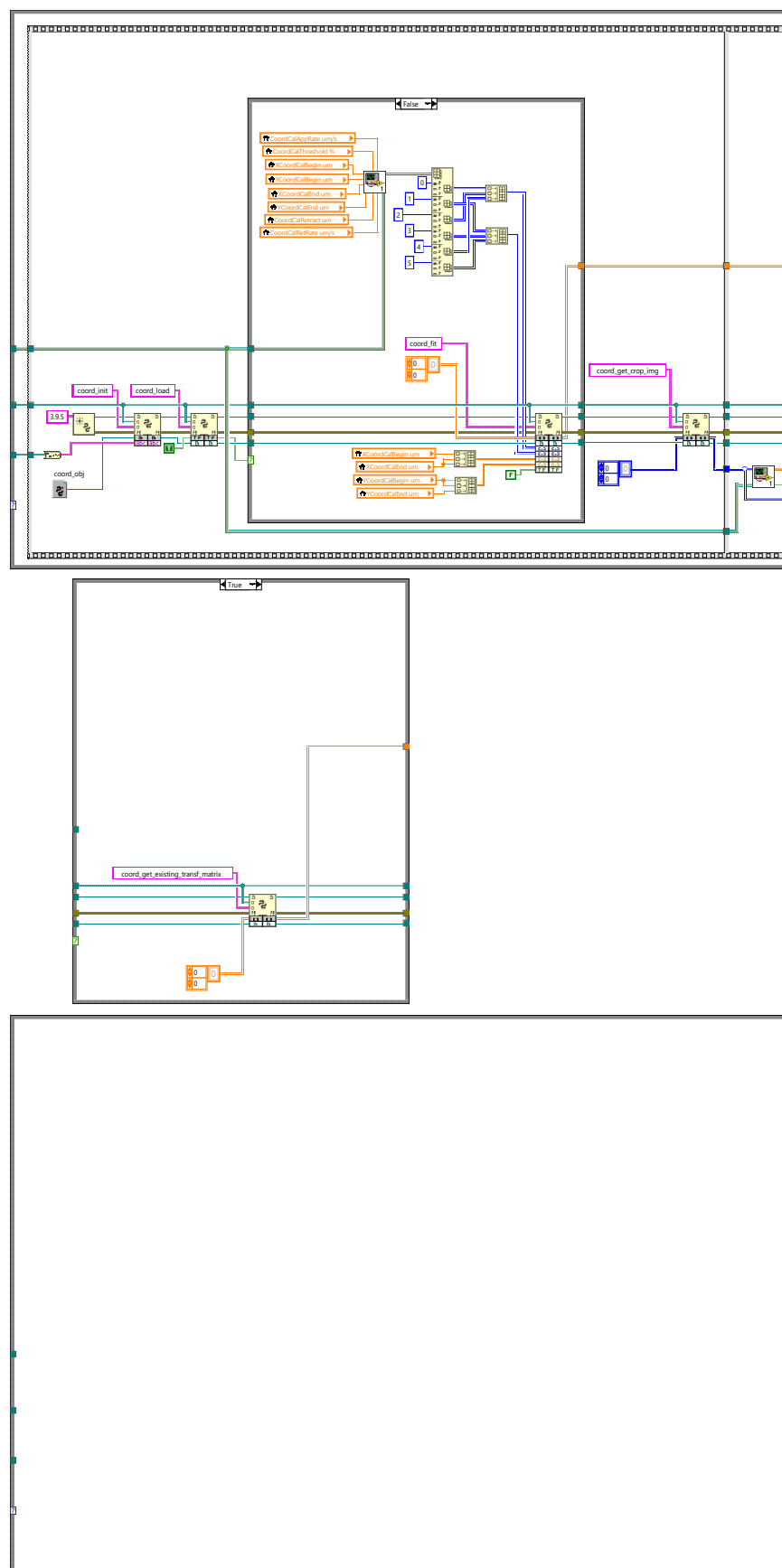
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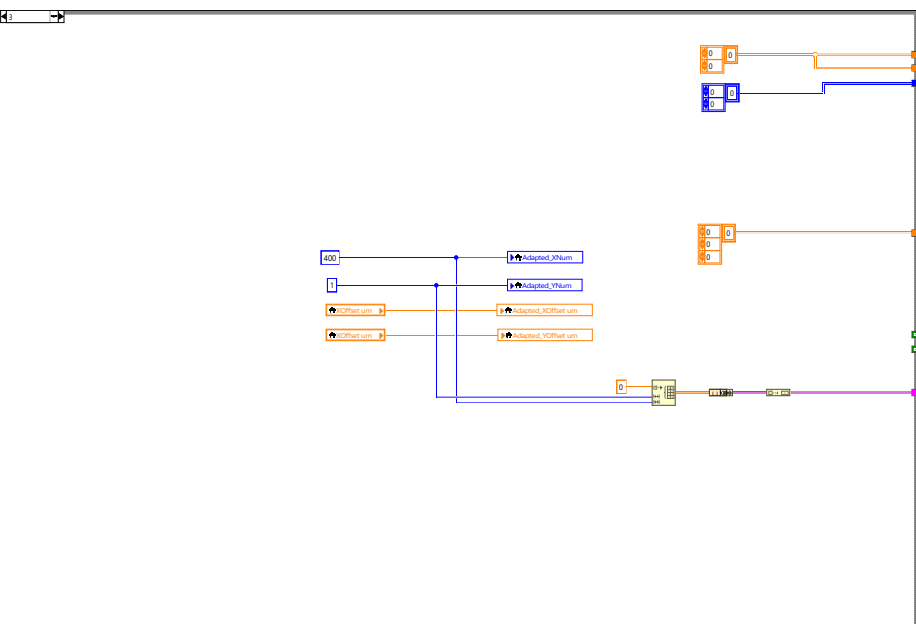
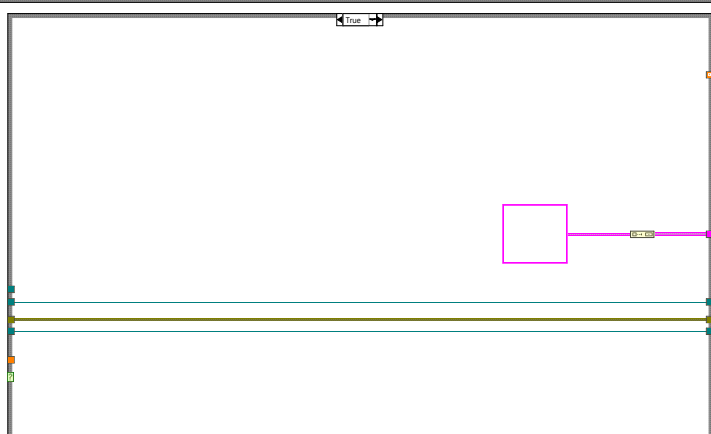
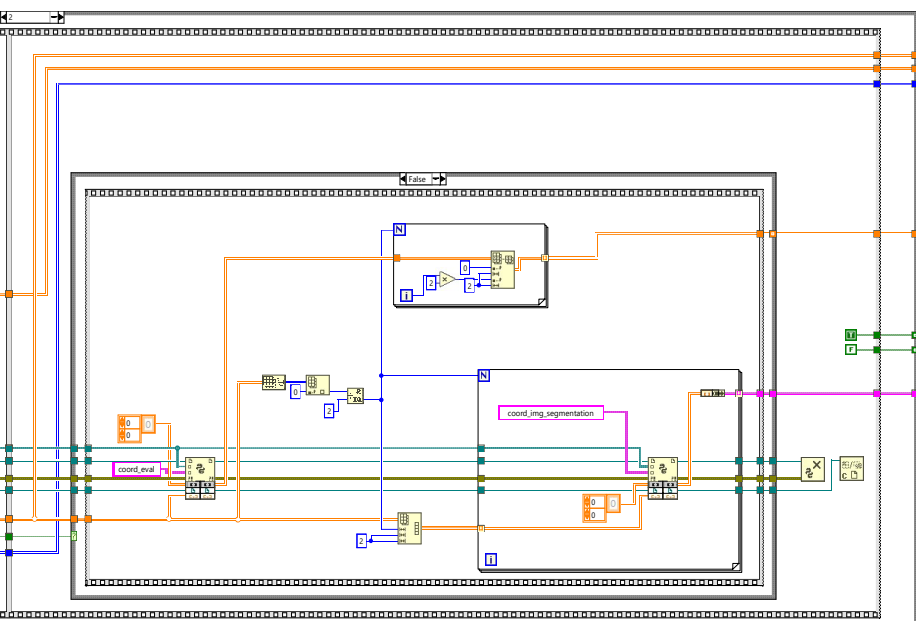
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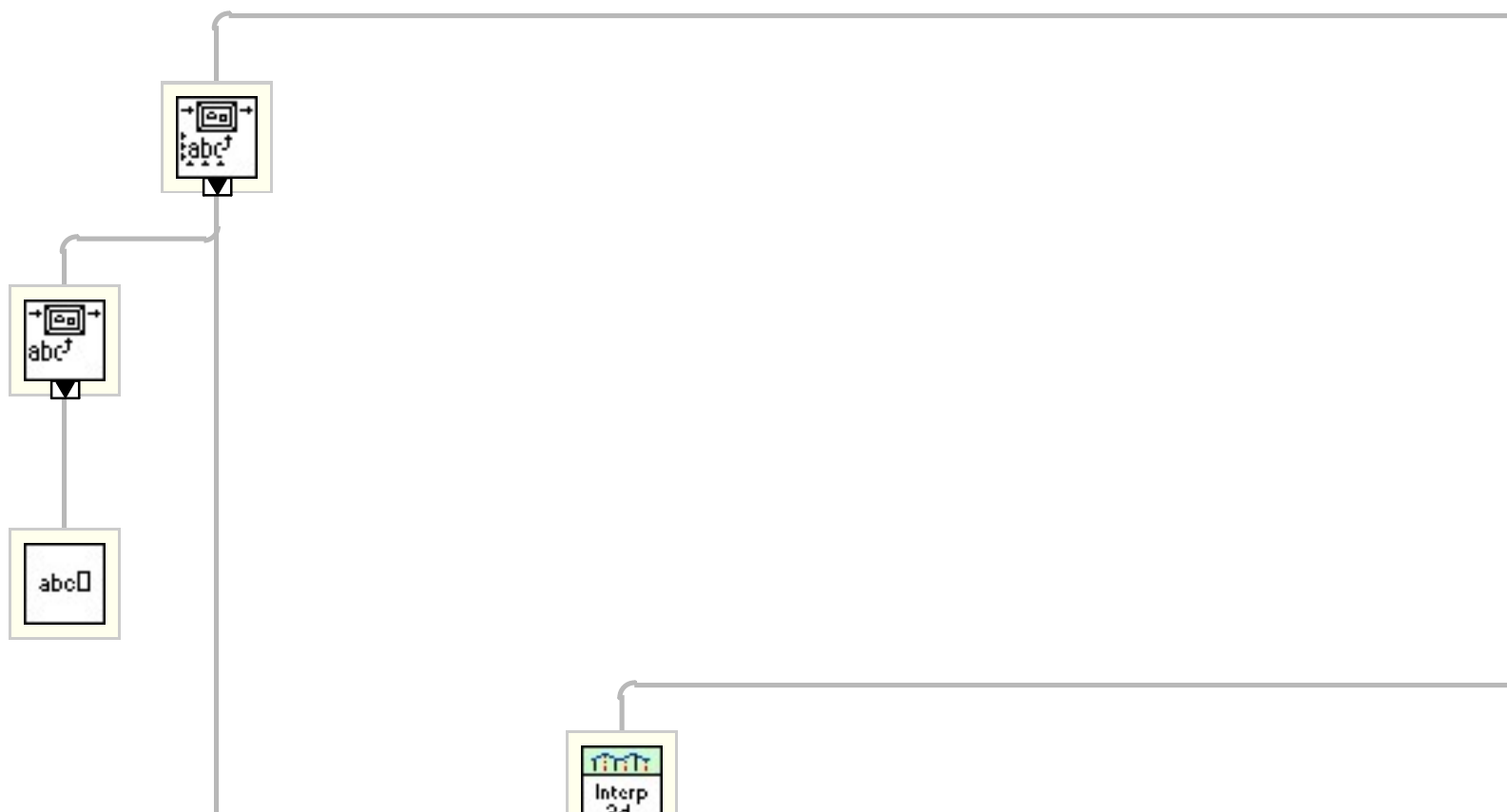
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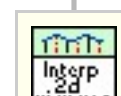
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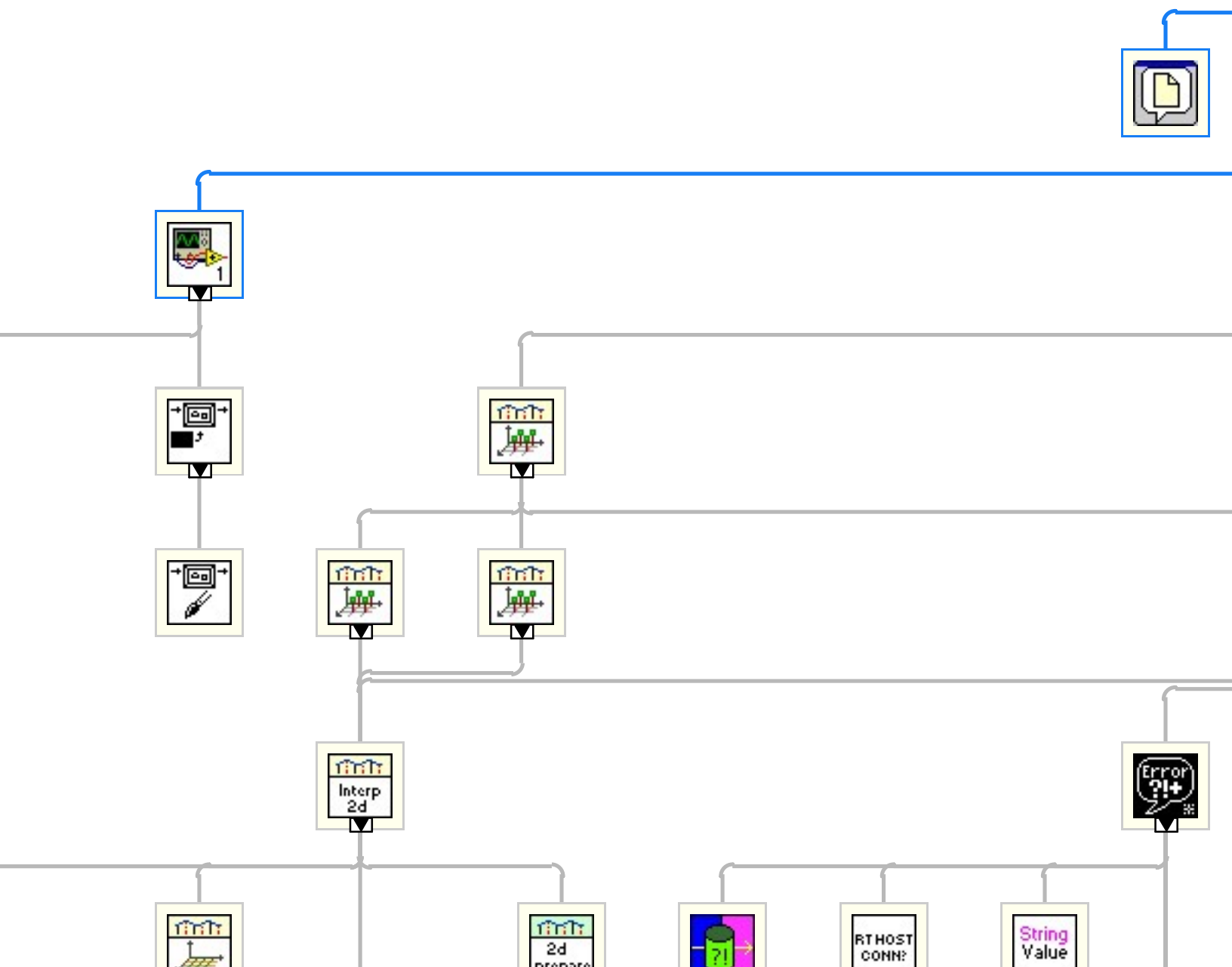
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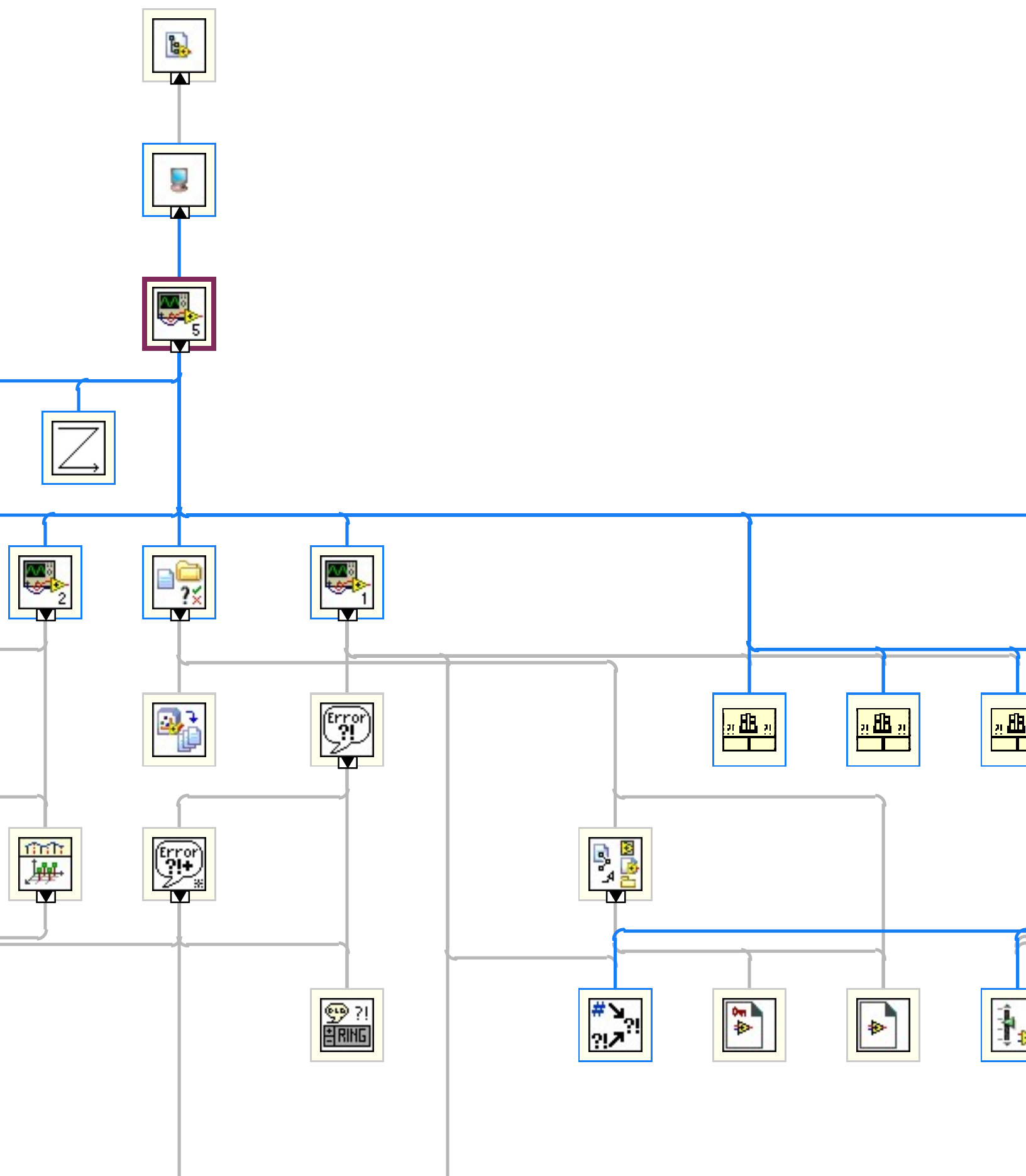
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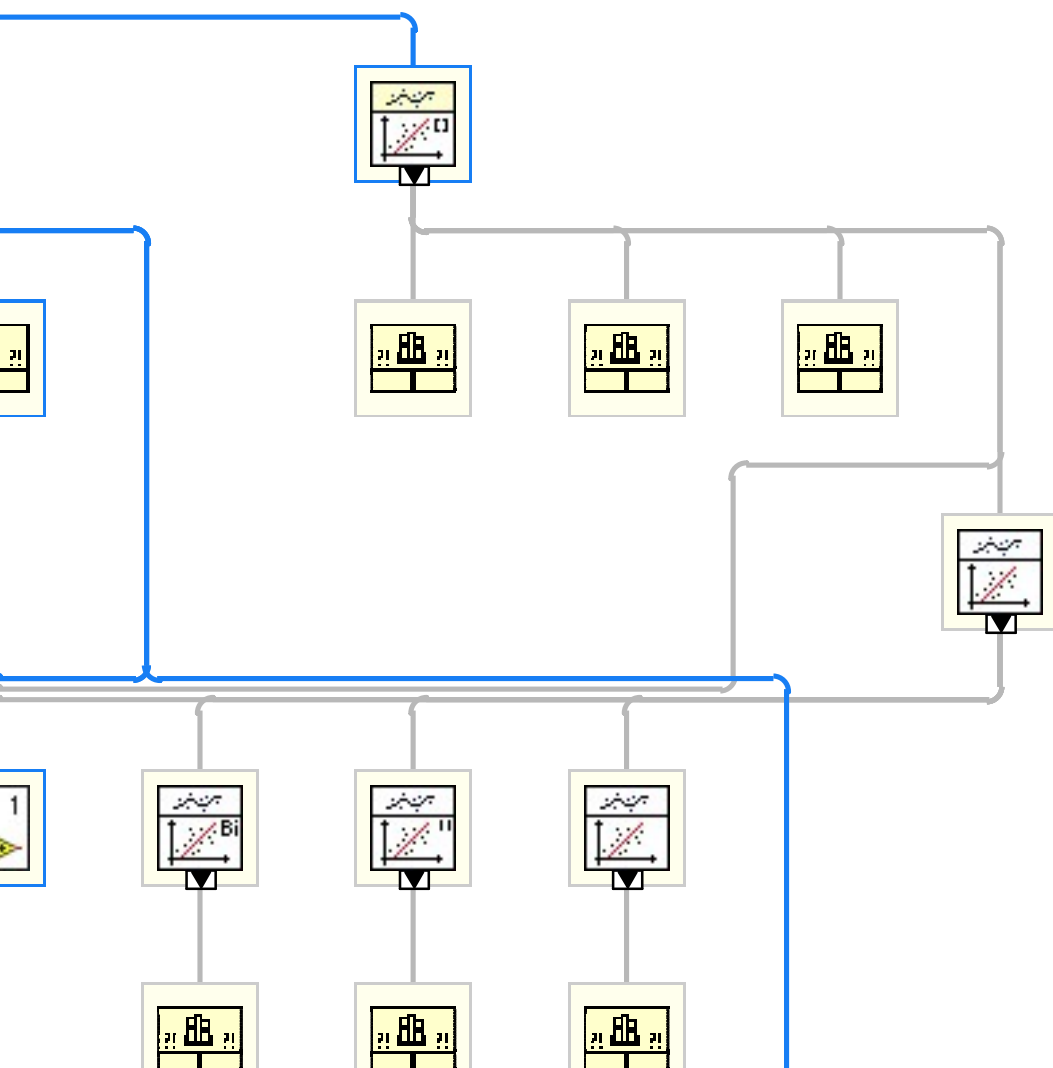
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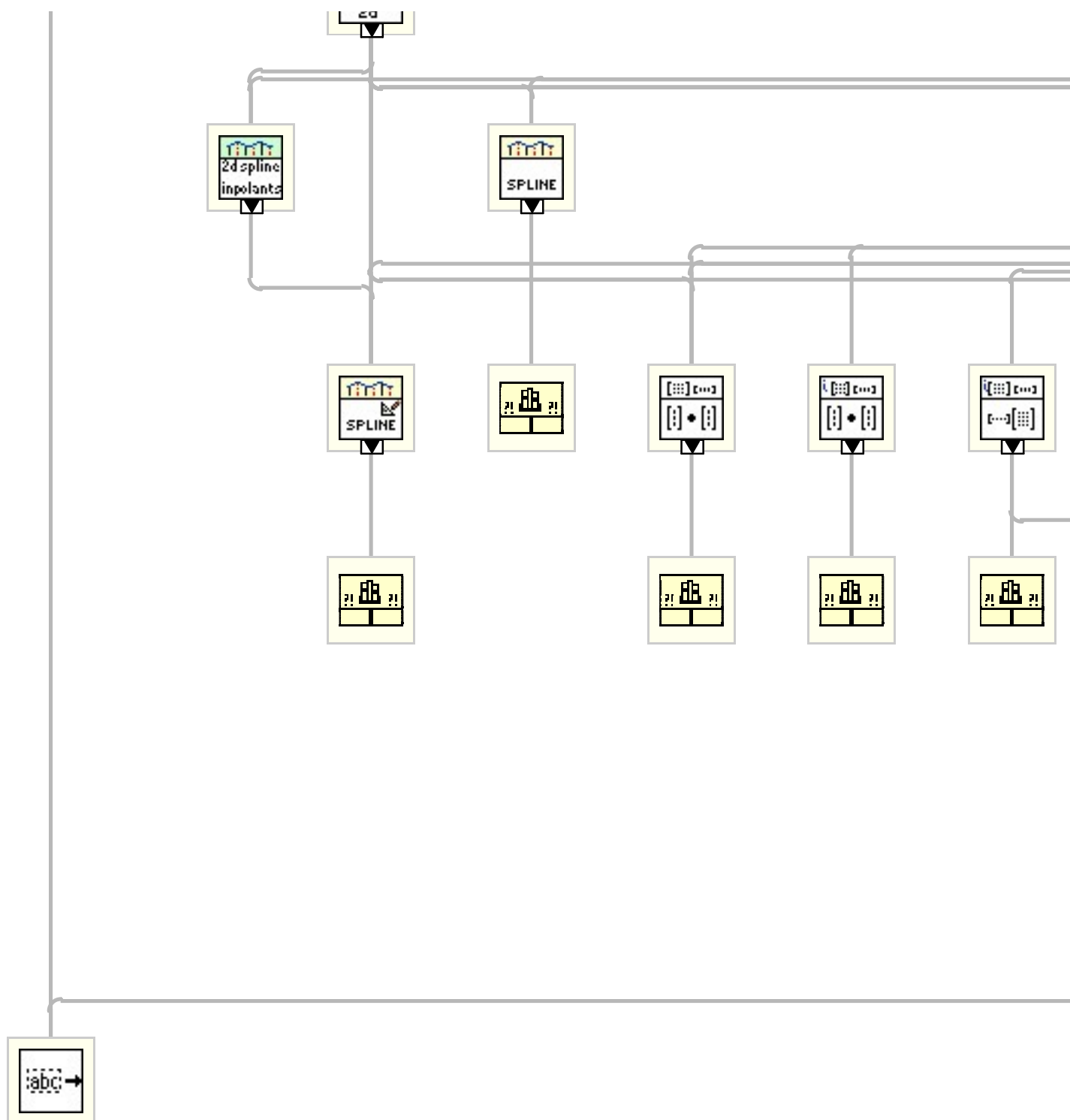
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List of SubVIs and Express VIs with Configuration Information



#### HostCoordinateCalibration.vi

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#### Clear Errors.vi

C:\Program Files\National Instruments\LabVIEW 2025\vi.lib\Utility\error.llb\Clear Errors.vi



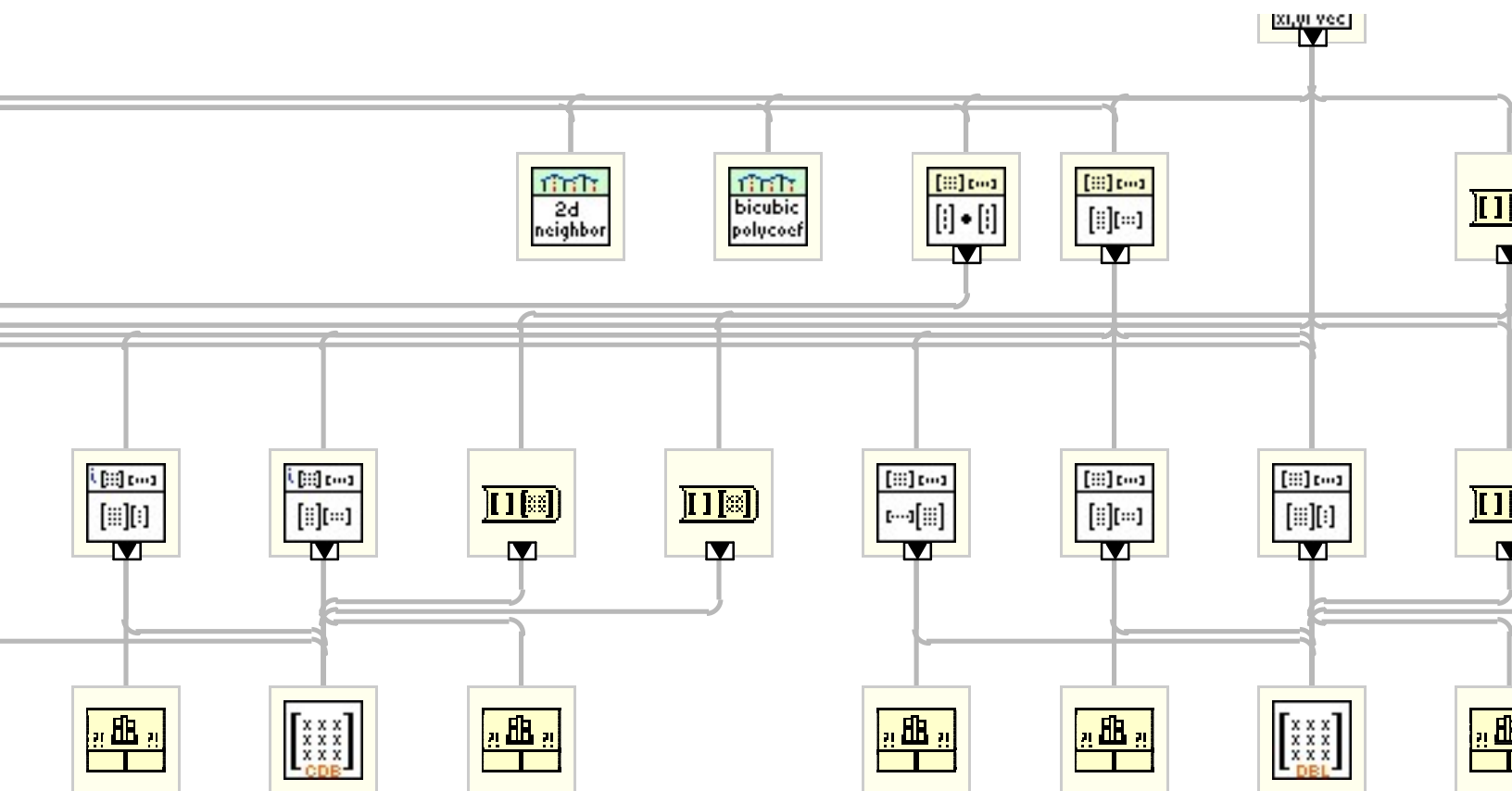
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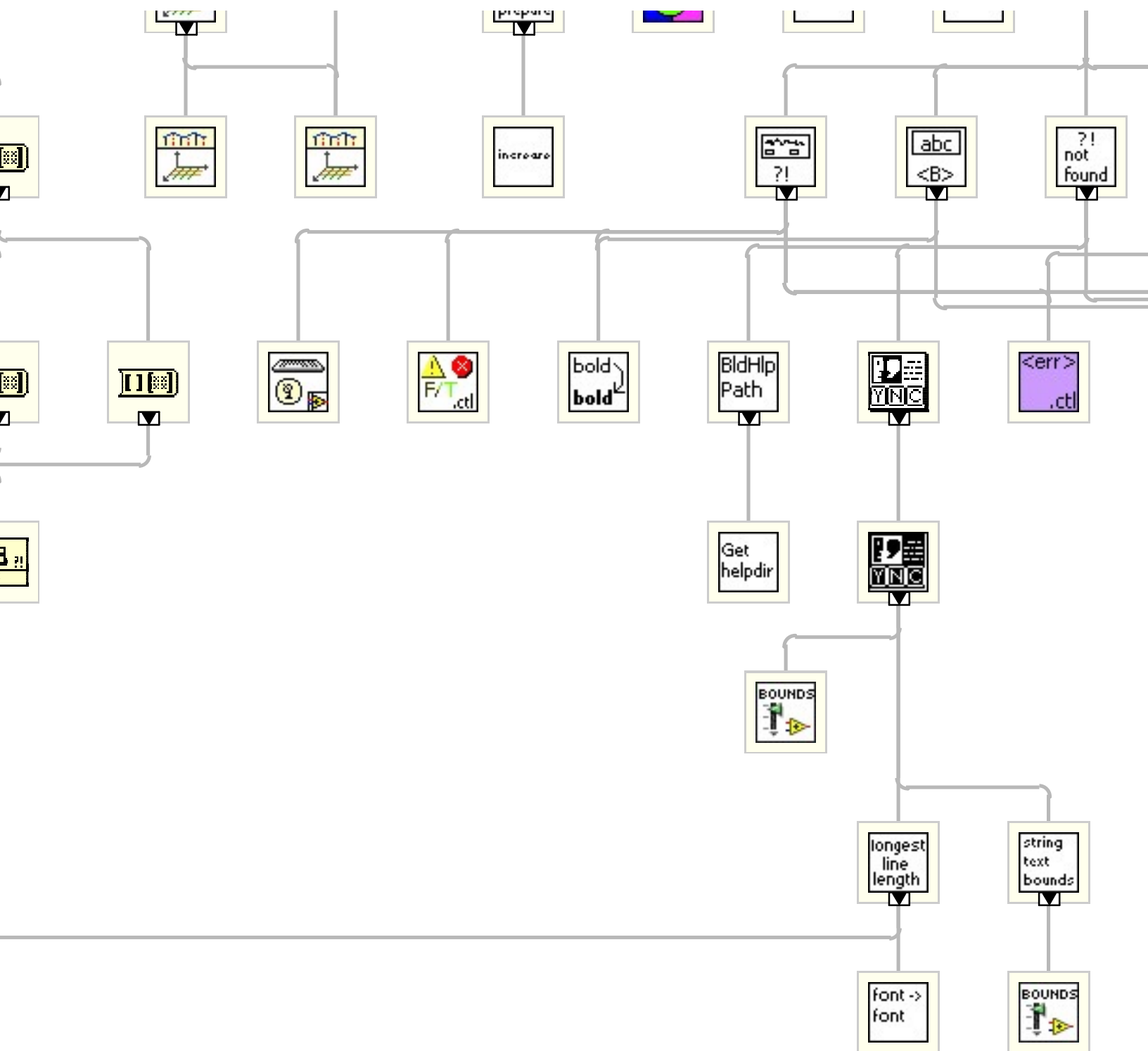
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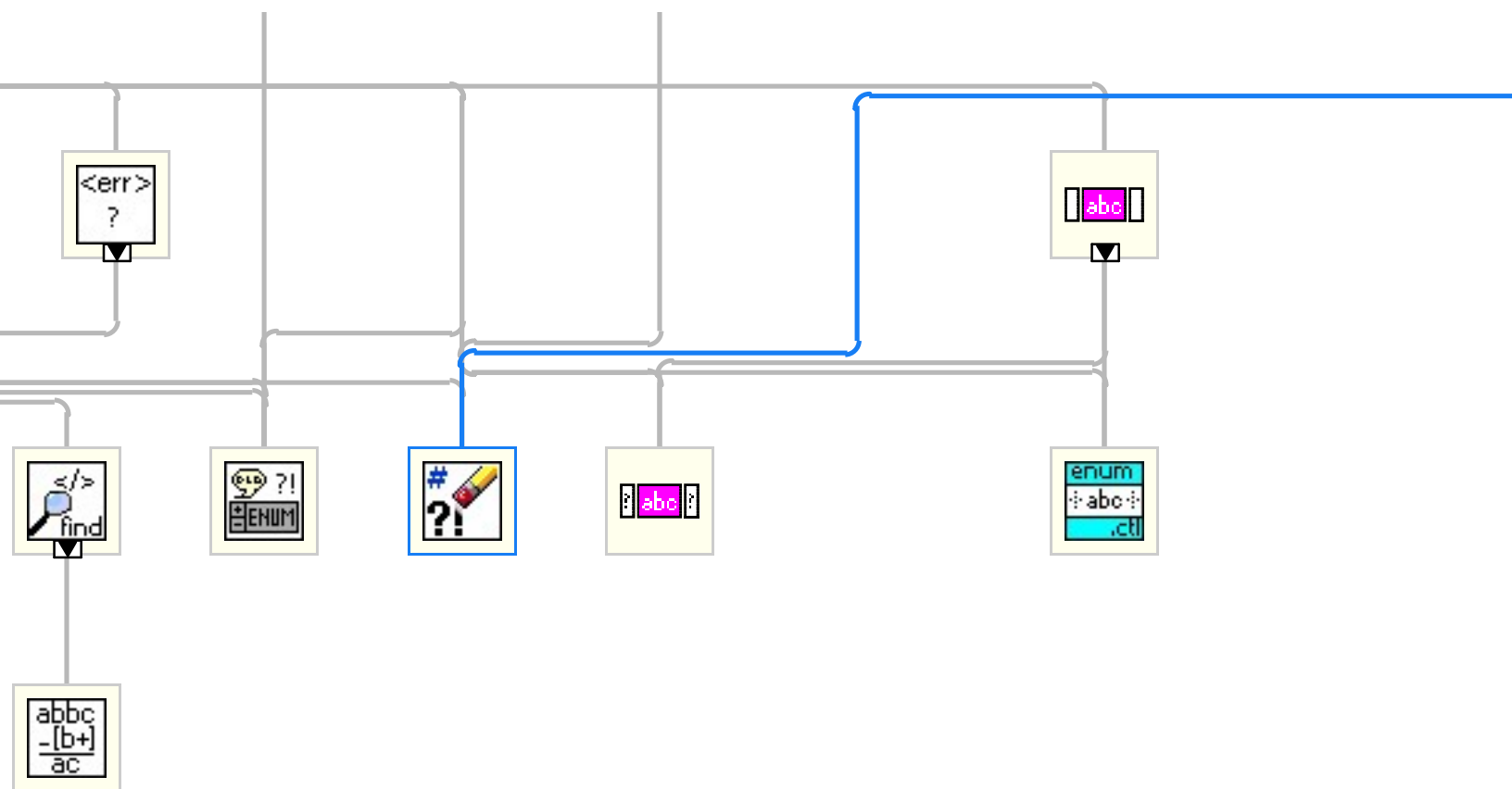
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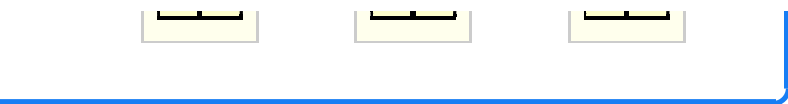
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### Check if File or Folder Exists.vi

C:\Program Files\National Instruments\LabVIEW 2025\vi.lib\Utility\libraryn.llb\Check if File or Folder Exists.vi



### subFile Dialog.vi

C:\Program Files\National Instruments\LabVIEW 2025\vi.lib\express\express input\FileDialogBlock.llb\subFile Dialog.vi



### NI\_AALPro.lvlib:Curve Fitting Criteria.ctl

C:\Program Files\National Instruments\LabVIEW 2025\vi.lib\Analysis\6fits.llb\Curve Fitting Criteria.ctl



### NI\_AALPro.lvlib:Linear Fit.vi

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### xy\_raster\_scan.vi

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### Error Cluster From Error Code.vi

C:\Program Files\National Instruments\LabVIEW 2025\vi.lib\Utility\error.llb\Error Cluster From Error Code.vi



### HostInteractiveOverlaidGraph.vi

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### HostDynamicRetractFormalization.vi

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## VI Revision History

"HostHoppingScan\_v2\_BoostedMultiRegion.vi History"

Current Revision: 996

## Iconified Cluster Constants