

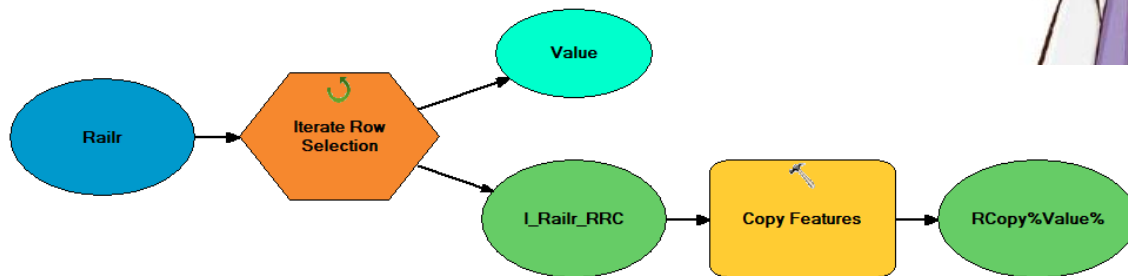
ModelBuilder v proměnách času



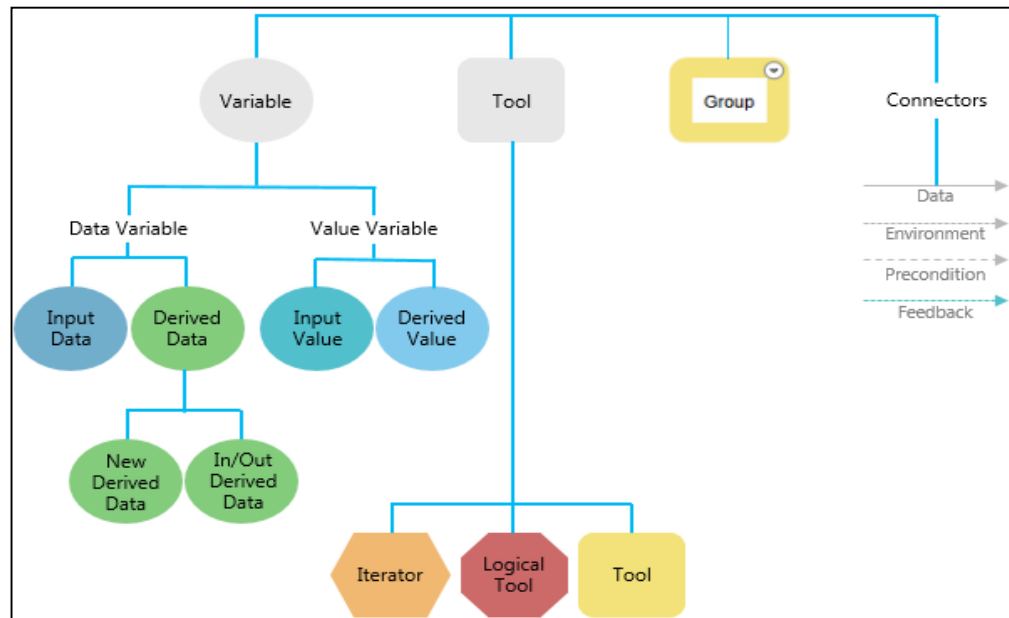
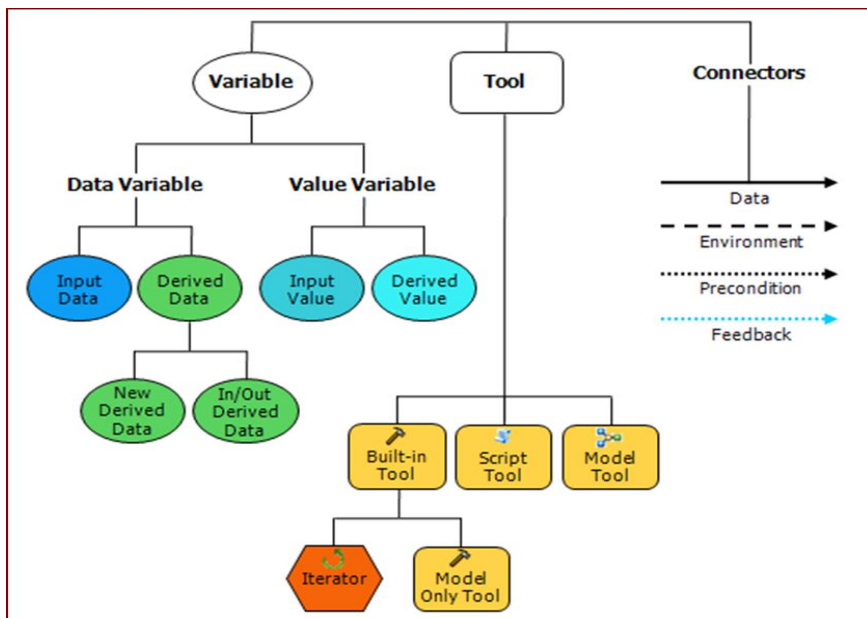
doc. Ing. Zdena DOBEŠOVÁ, Ph.D.
Univerzita Palackého v Olomouci



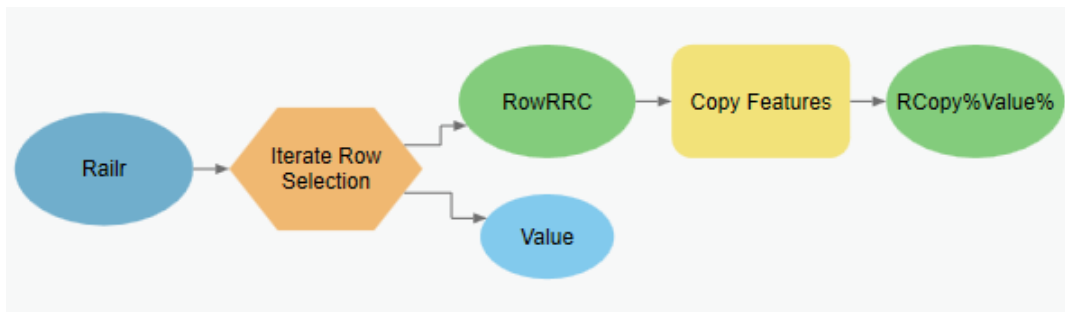
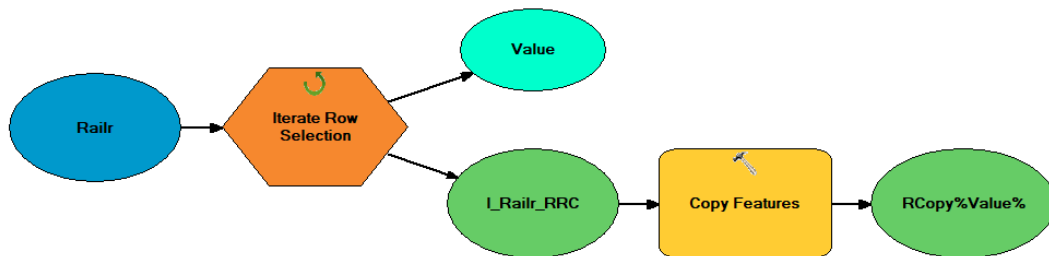
Úhel pohledu



Grafické entity v ModelBuilder

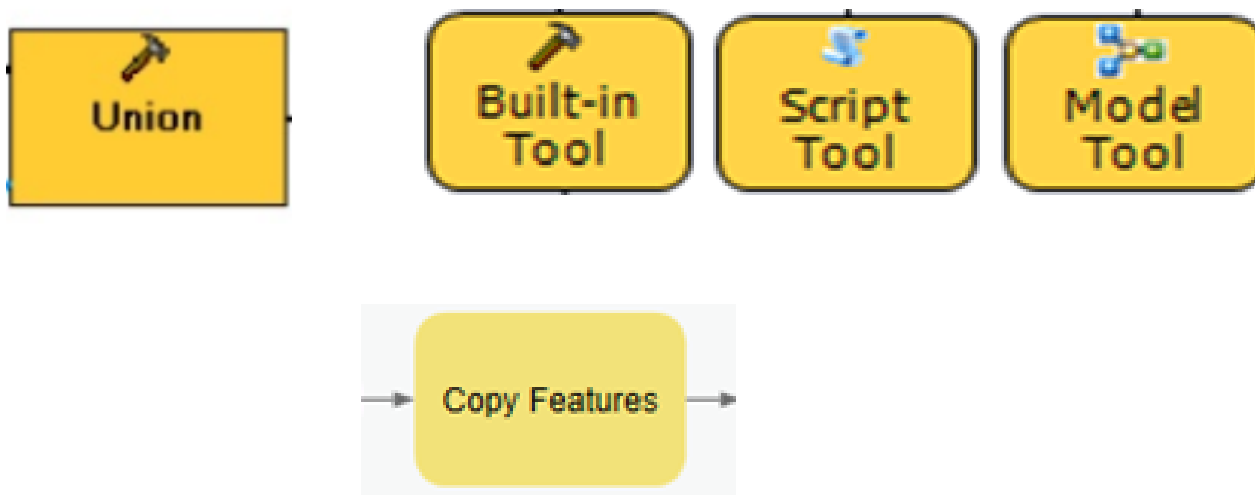


Změna barev symbolů

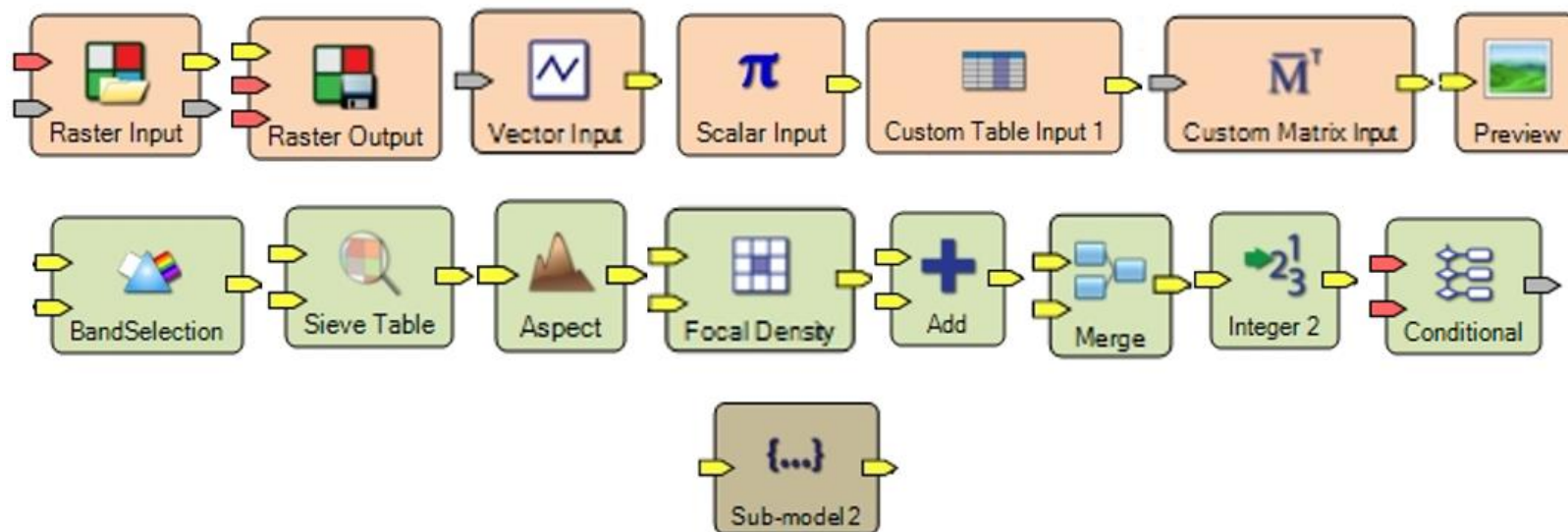


Změna tvaru a ikon symbolů

zlatý řez

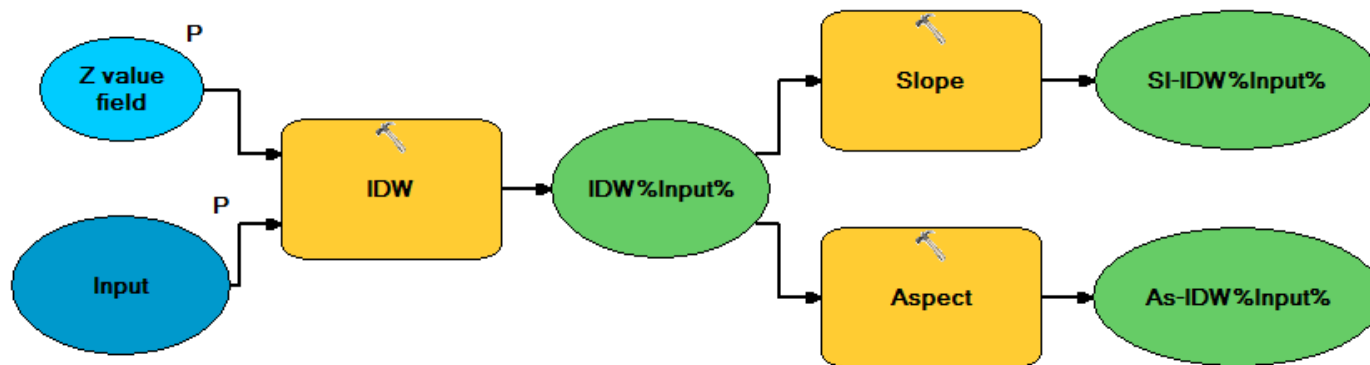
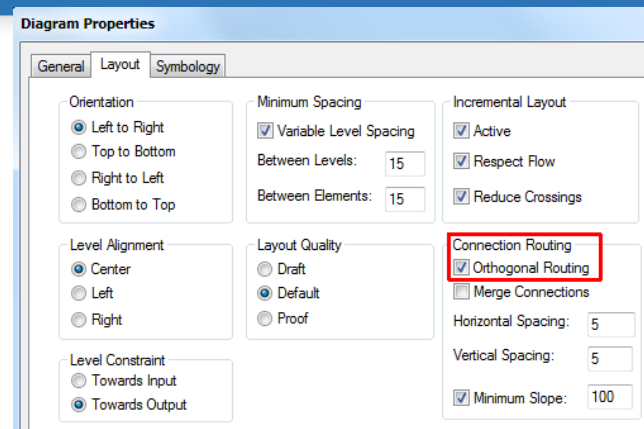


ERDAS IMAGINE

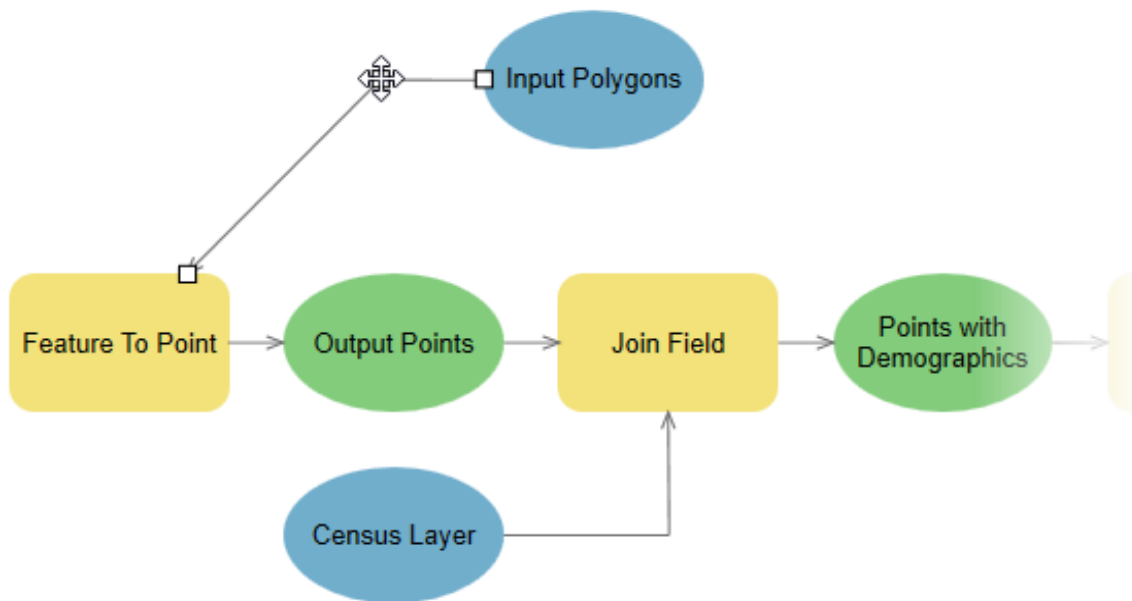


Spojnice

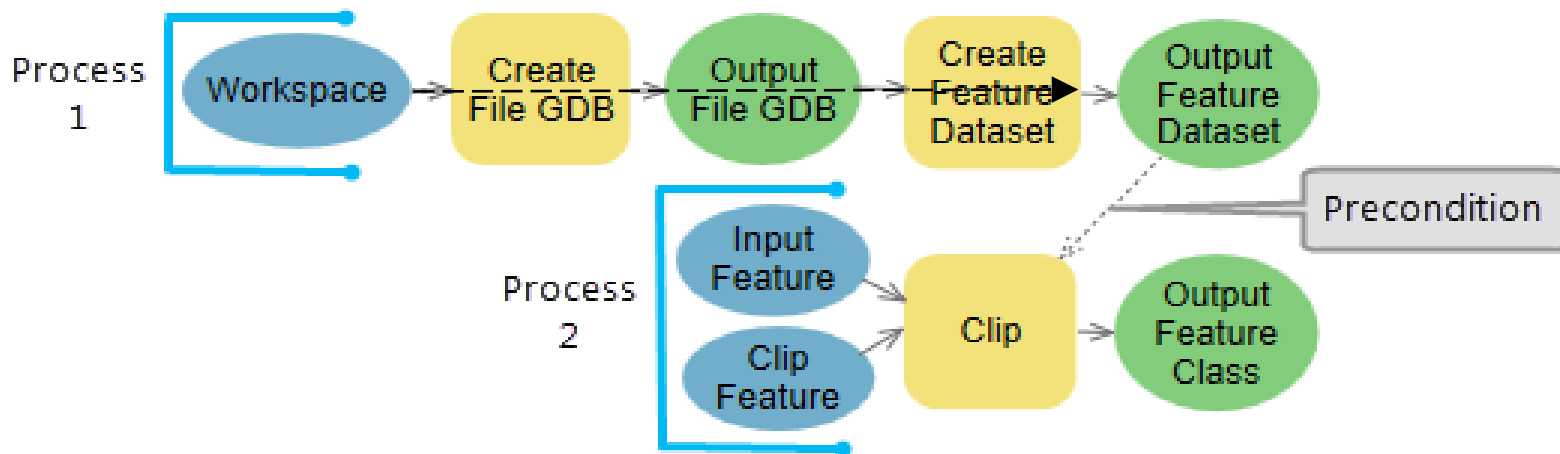
černá na šedou
přidání lomové čáry



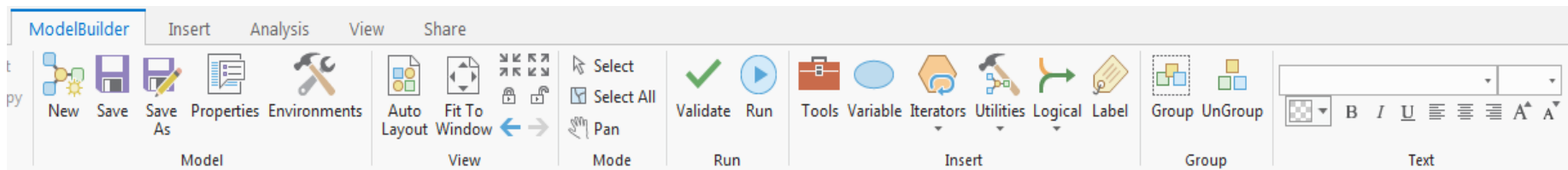
Přidání lomového bodu, tvarování



Podmíněnosti (preconditions)

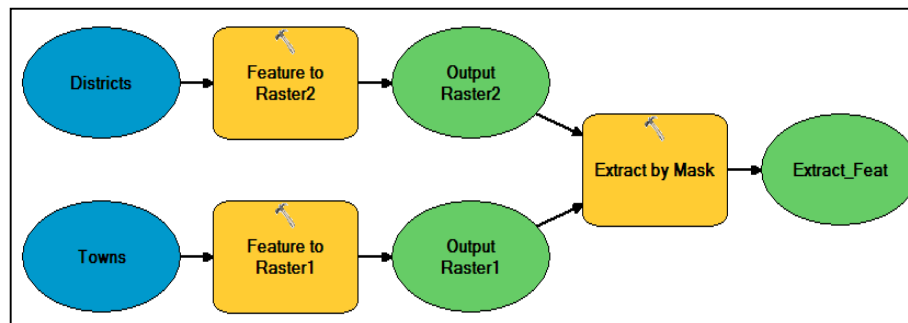
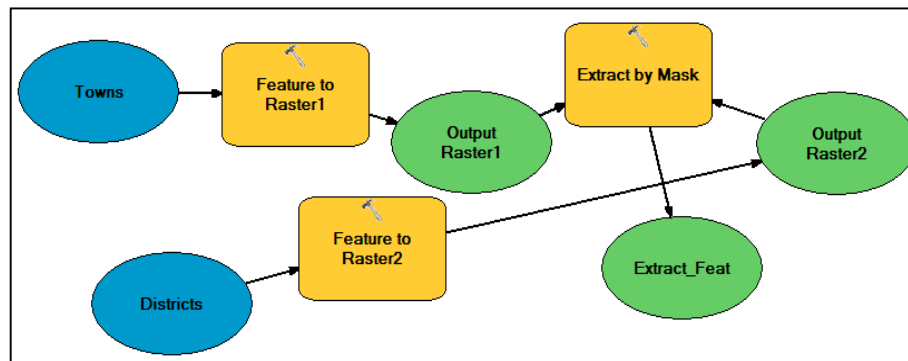


Pás karet



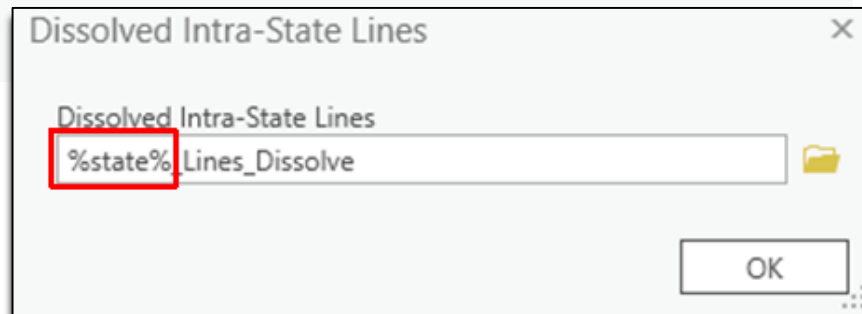
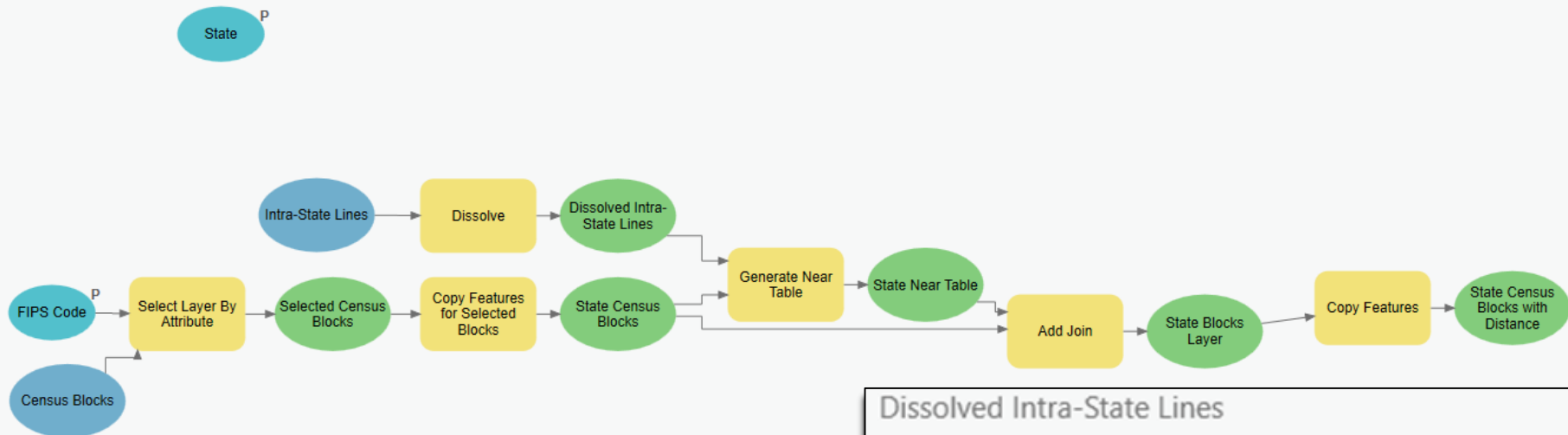
Automatické zarovnání (Auto Layout)

to dobré zůstává



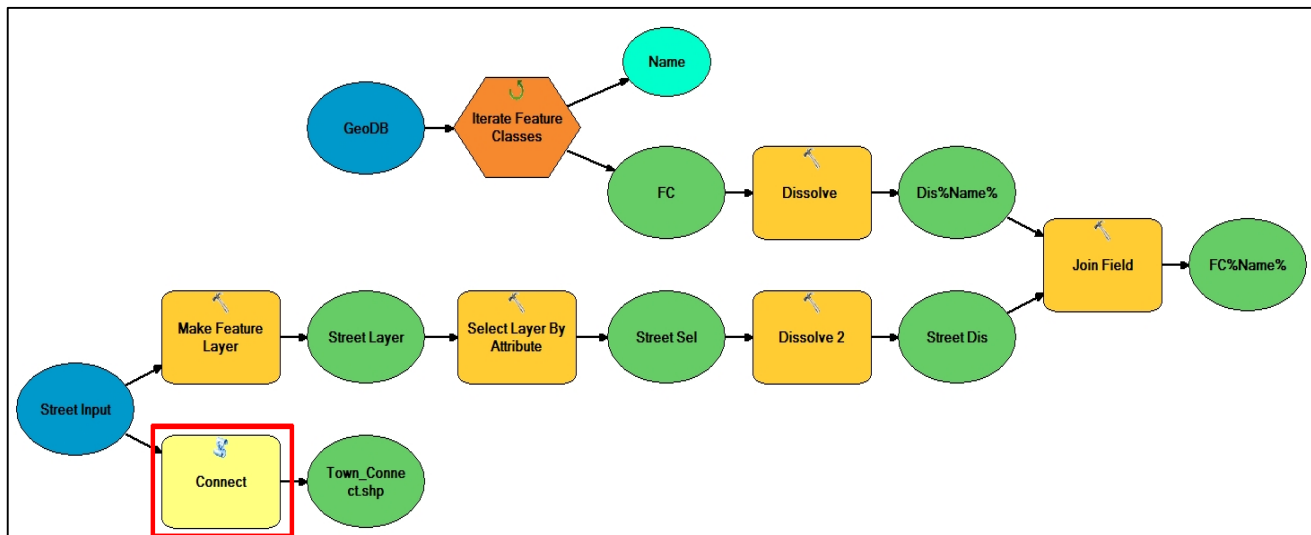
In-line variable substitution

%



Změna barvy symbolu

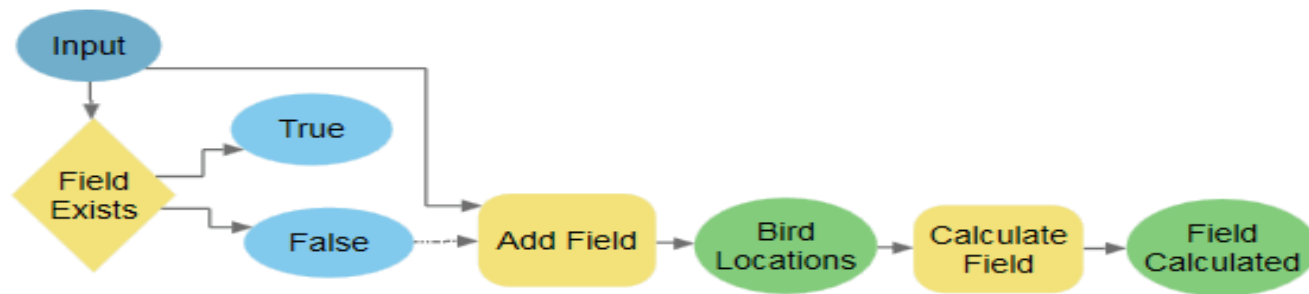
ArcGIS Pro nemá?!



Nové funkce větvení If/Then/Else



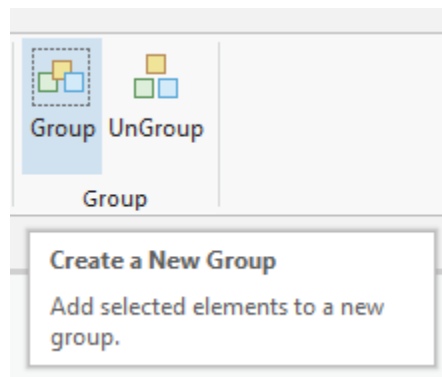
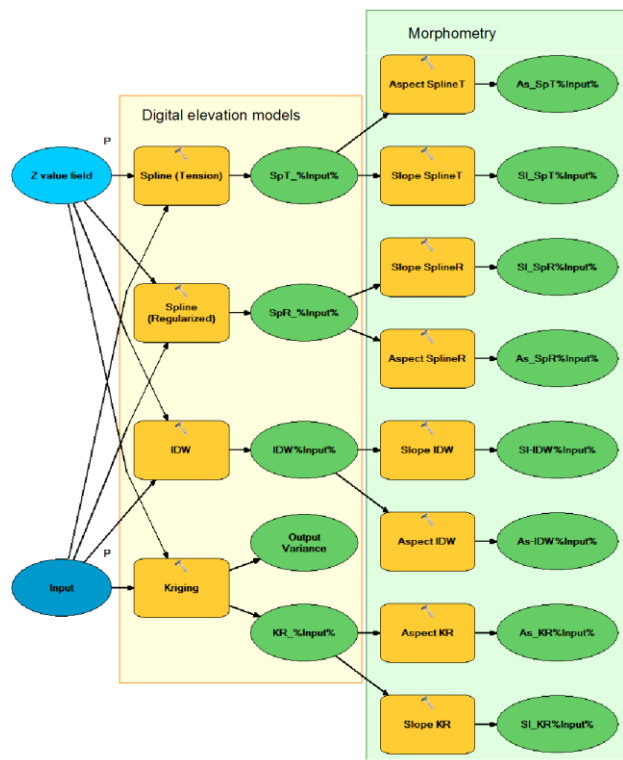
- If Data Exists
- If Field Exists
- If Selection Exists
- If Coordinate System Is
- If Data Type Is
- If Feature Type Is
- If Field Value Is
- If Row Count Is
- If Spatial Relationship Is
- If Value Is
- Merge Branch



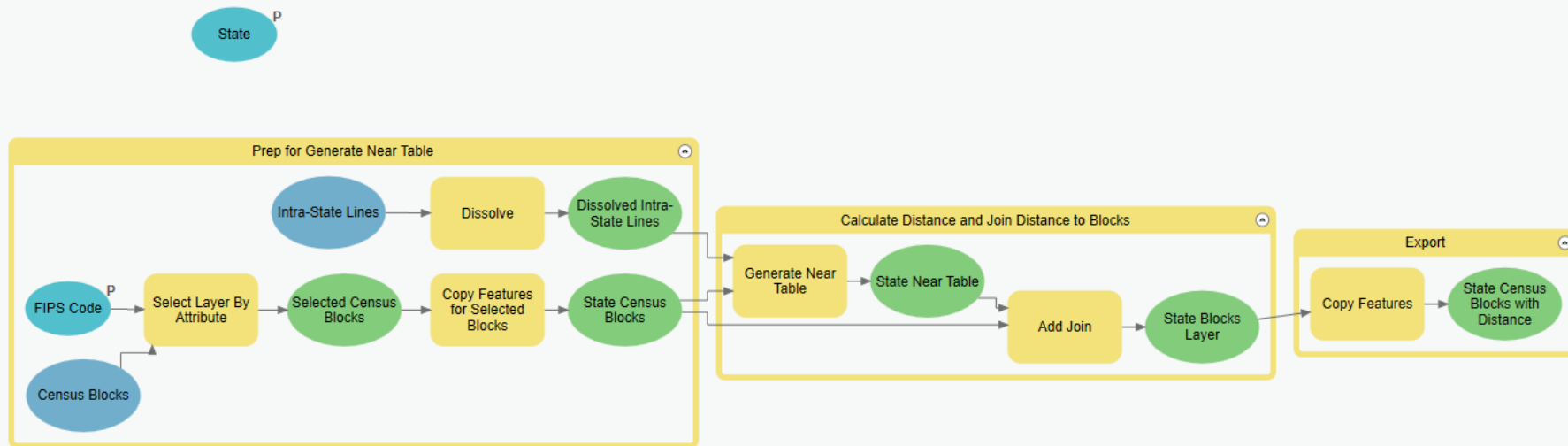
<https://www.esri.com/arcgis-blog/products/arcgis-pro/analytics/my-first-impressions-of-modelbuilder-in-arcgis-pro/>



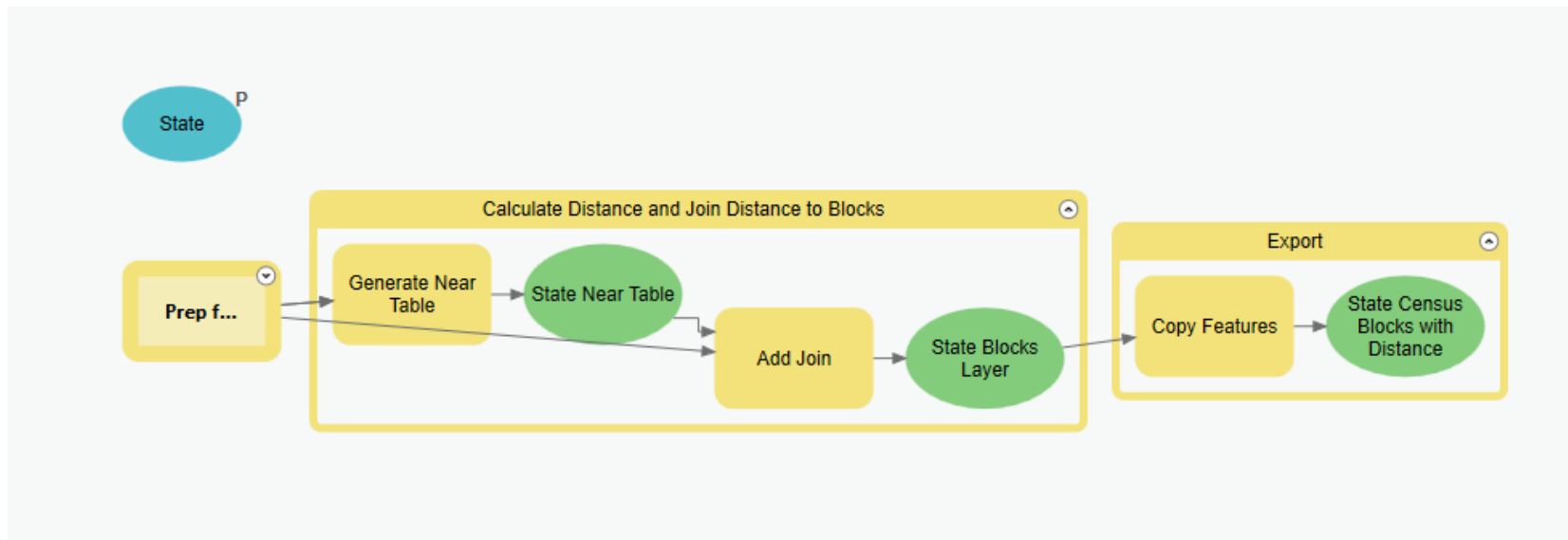
Nová funkce seskupování



Nová funkce seskupování

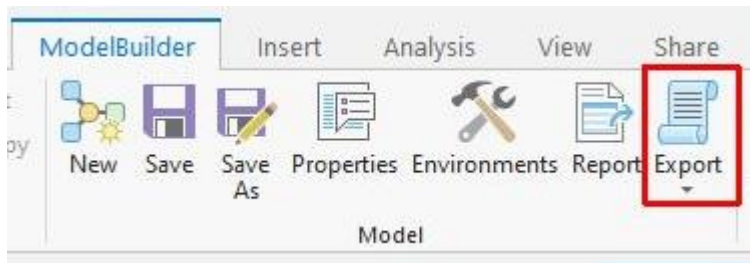


Nová funkce seskupování



Export do Python

BYLO (10) x NEBYLO (Pro 1, 2.2) x JE (Pro 2.4)



```
# -*- coding: utf-8 -*-  
• """Generated by ArcGIS ModelBuilder on: 2019-11-04 09:42:41  
• All ModelBuilder functionality may not be exported. Edits may be required f  
• """  
  
• import arcpy  
  
# To allow overwriting the outputs change the overwrite option to true.  
• arcpy.env.overwriteOutput = False  
  
# Local variables:  
• String = "ab"  
• Feature_Class = ""  
• F_Buff = r"C:\Users\student\Documents\ArcGIS\Projects\MyProject\MyProject.g  
  
# Process: Buffer  
• arcpy.Buffer_analysis(in_features=Feature_Class, out_feature_class=F_Buff,
```

<https://community.esri.com/groups/model-builder>

Report view – přehled operací, proměnných

Export Views: All Inputs Outputs Parameters Tools Errors					
Element	Data Type	Value	Parameter Type	Direction	
Model					
Variables					
Geodatabase	Workspace or Feature Dataset	D:\VYUKA\II - PRG2\Cviceni\CV2\MB_Pro2\MB_Pro2.gdb			
Name	String	Railr_Buffer_Buffer			
FC	Feature Class	D:\VYUKA\II - PRG2\Cviceni\CV2\MB_Pro2\MB_Pro2\MB_Pro2.gdb\Railr_Buffer_Bu			
%Name%_Buffer	Feature Class	D:\VYUKA\II - PRG2\Cviceni\CV2\MB_Pro2\MB_Pro2\MB_Pro2.gdb\%Name%_Buff			
Processes					
Iterate Feature Classes					
Parameters					
Workspace or Feature	Workspace or Feature Dataset	D:\VYUKA\II - PRG2\Cviceni\CV2\MB_Pro2\MB_Pro2\MB_Pro2.gdb	Required	Input	
Wildcard	String		Optional	Input	
Feature Type	String	POLYGON	Optional	Input	
Recursive	Boolean	false	Optional	Input	
Feature Class	Feature Class	D:\VYUKA\II - PRG2\Cviceni\CV2\MB_Pro2\MB_Pro2\MB_Pro2.gdb\Railr_Buffer_Bu	Derived	Output	
Name	String	Railr_Buffer_Buffer	Derived	Output	
Buffer					
Parameters					
Input Features	Feature Layer	D:\VYUKA\II - PRG2\Cviceni\CV2\MB_Pro2\MB_Pro2\MB_Pro2.gdb\Railr_Buffer_Bu	Required	Input	
Output Feature Class	Feature Class	D:\VYUKA\II - PRG2\Cviceni\CV2\MB_Pro2\MB_Pro2\MB_Pro2.gdb\%Name%_Buff	Required	Output	
Distance [value or fiel	Linear Unit or Field	1 Kilometers	Required	Input	
Side Type	String	FULL	Optional	Input	
End Type	String	ROUND	Optional	Input	
Dissolve Type	String	NONE	Optional	Input	
Dissolve Field(s)	Multiple Value		Optional	Input	
Method	String	PLANAR	Optional	Input	

Děkuji za pozornost

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zdena.dobesova@upol.cz

