3 – POKROČILÉ NÁSTROJE RASTR

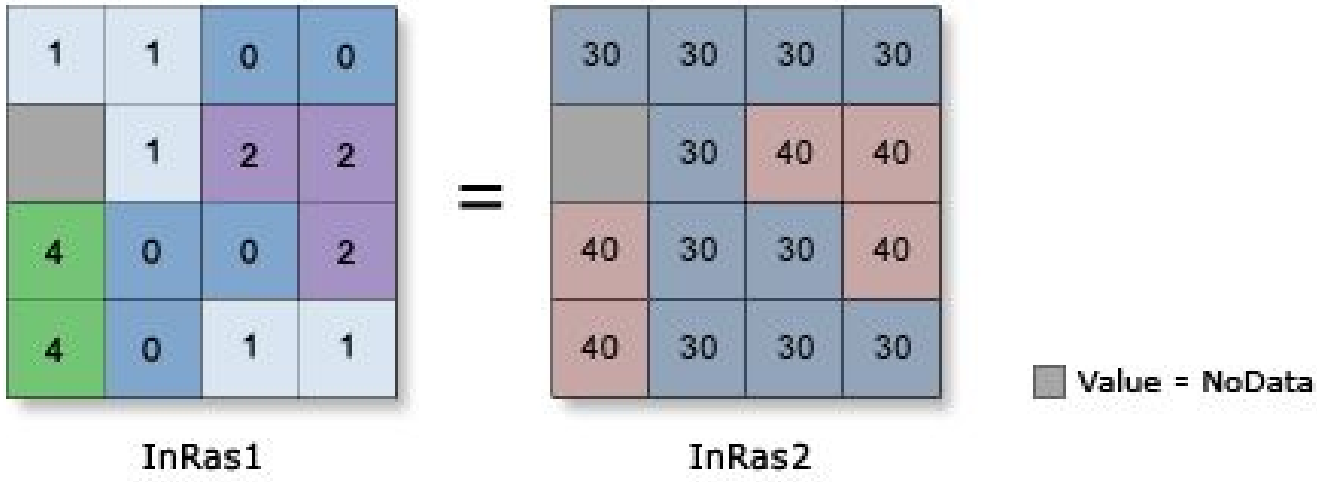
I. Conditional Tools

Tool	Description
Con	Performs a conditional if/else evaluation on each of the input cells of an input raster.
Pick	The value from a position raster is used to determine from which raster in a list of input rasters the output cell value will be obtained.
Set Null	Set Null sets identified cell locations to NoData based on a specified criteria. It returns NoData if a conditional evaluation is true, and returns the value specified by another raster if it is false.

Tools in the Conditional toolset

I.A Con

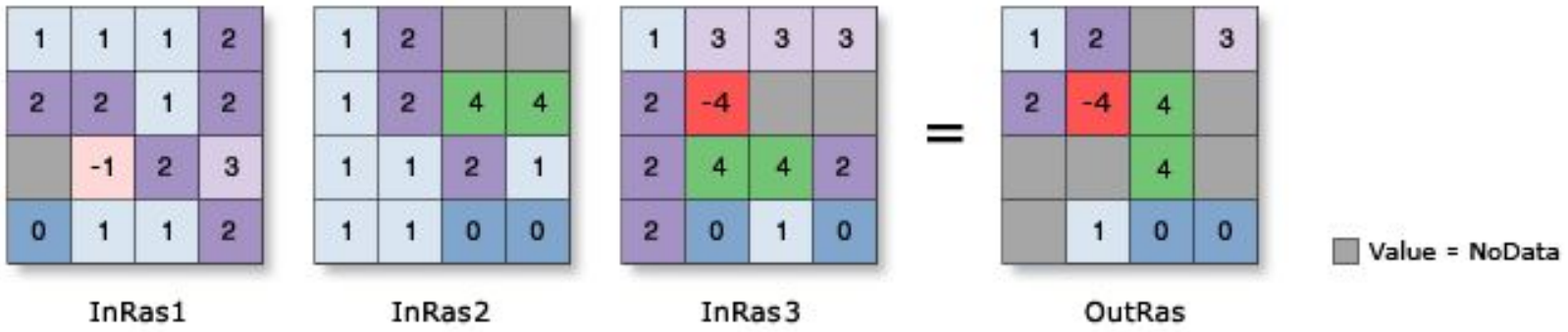
Con(InRas1, 40, 30, „Value >= 2“)



Parameter	Explanation	Data Type
in_conditional_raster	Input raster representing the true or false result of the desired condition. It can be of integer or floating point type.	Raster Layer
in_true_raster_or_constant	The input whose values will be used as the output cell values if the condition is true. It can be an integer or a floating point raster, or a constant value.	Raster Layer | Constant
in_false_raster_or_constant (Optional)	The input whose values will be used as the output cell values if the condition is false. It can be an integer or a floating point raster, or a constant value.	Raster Layer | Constant
where_clause (Optional)	A logical expression that determines which of the input cells are to be true or false. The expression follows the general form of an SQL expression. Consult the documentation for more information on the SQL reference for query expressions used in ArcGIS and specifying a query in Python.	SQL Expression

I.B Pick

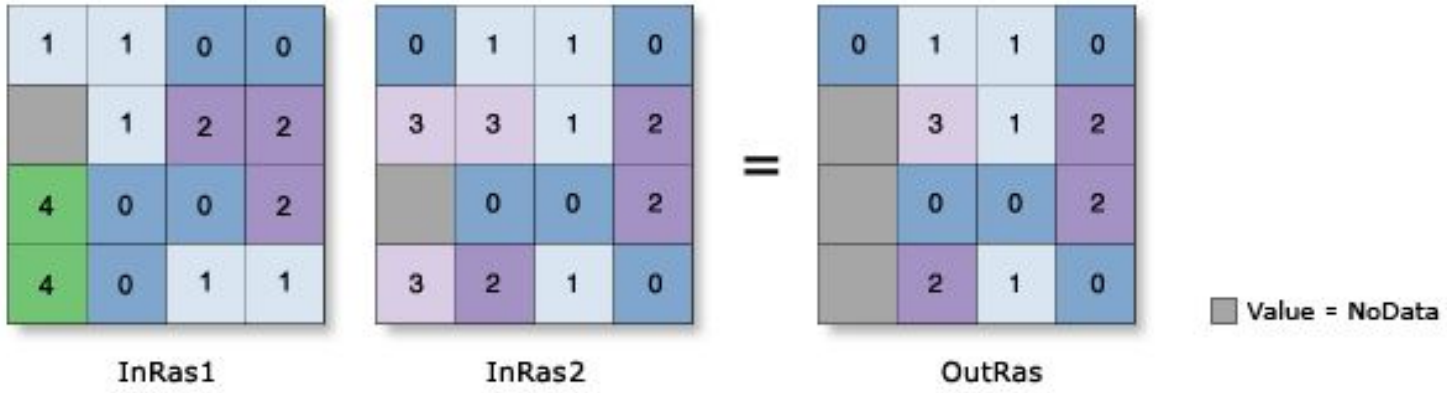
Pick(InRas1,[InRas2, InRas3])



Parameter	Explanation	Data Type
in_position_raster	Input raster defining the position of the raster to use for the output value. The input can be an integer or float raster.	Raster Layer
in_rasters_or_constants [in_raster_or_constant,...]	The list of inputs from which the output value will be selected. The inputs can be integer or float rasters. A number can also be used as an input.	Raster Layer | Constant

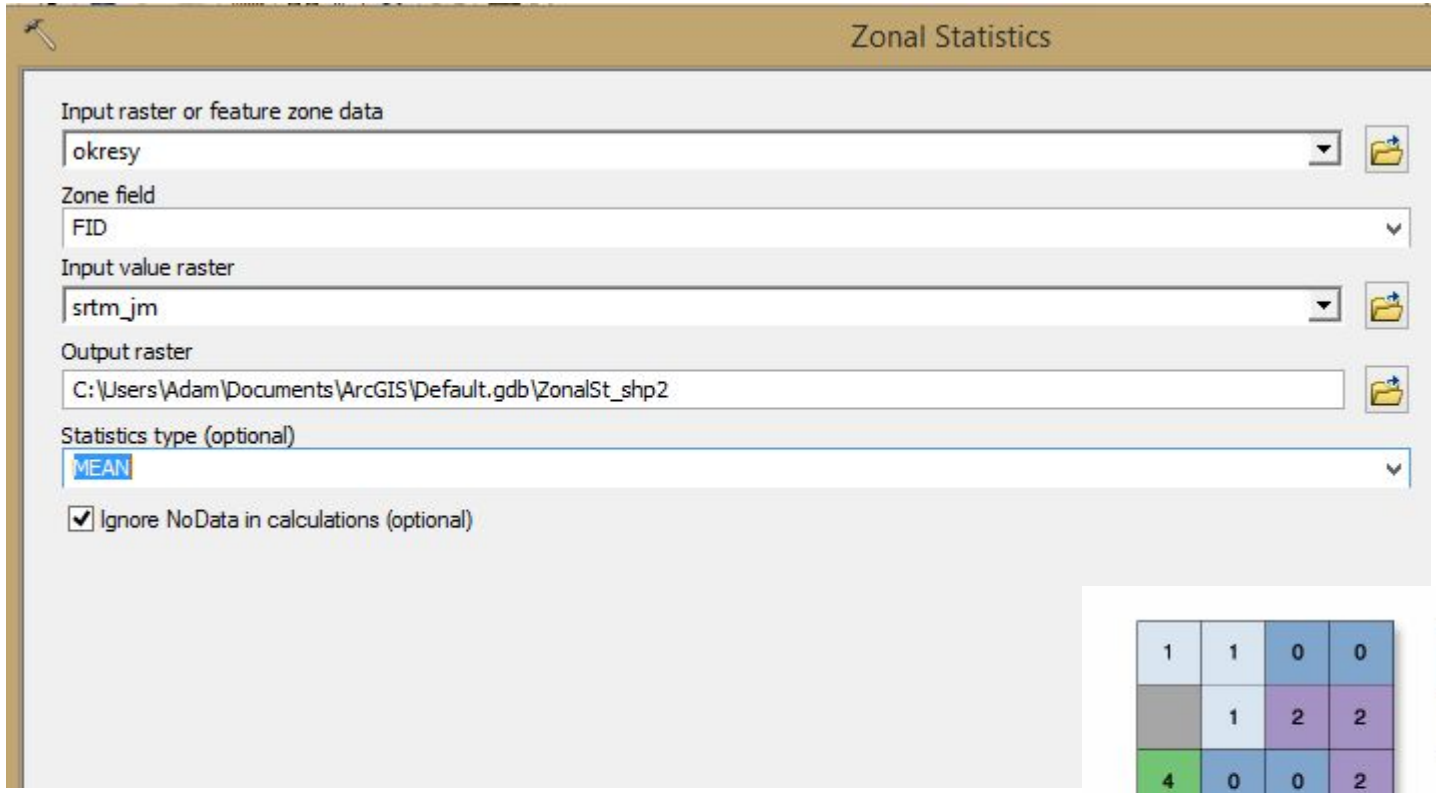
I.C Set Null

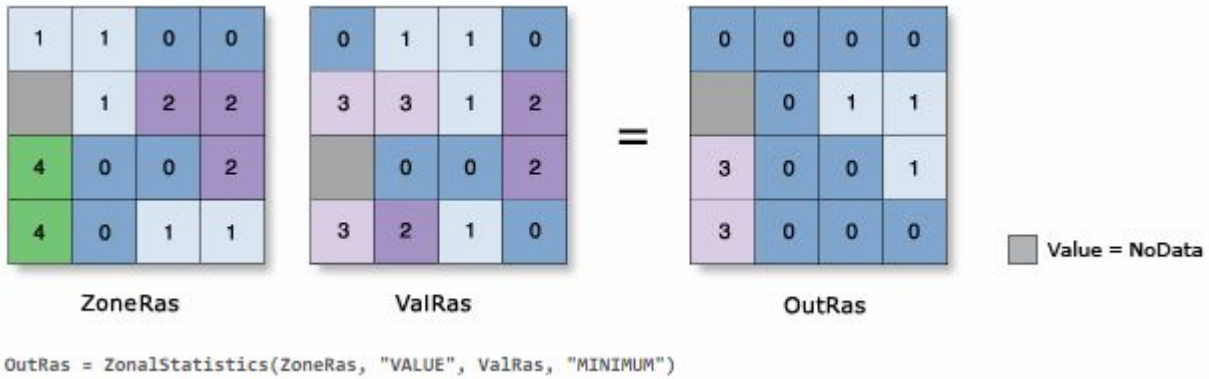
SetNull(InRas1,InRas2, ”Value=4”)



Parameter	Explanation	Data Type
in_conditional_raster	Input raster representing the true or false result of the desired condition.	Raster Layer
in_false_raster_or_constant	The input whose values will be used as the output cell values if the condition is false. It can be an integer or a floating point raster, or a constant value.	Raster Layer | Constant
where_clause (Optional)	A logical expression that determines which of the input cells are to be true or false. The expression follows the general form of an SQL expression. Consult the documentation for more information on the SQL reference for query expressions used in ArcGIS and specifying a query in Python.	SQL Expression

II ZONAL STATISTICS



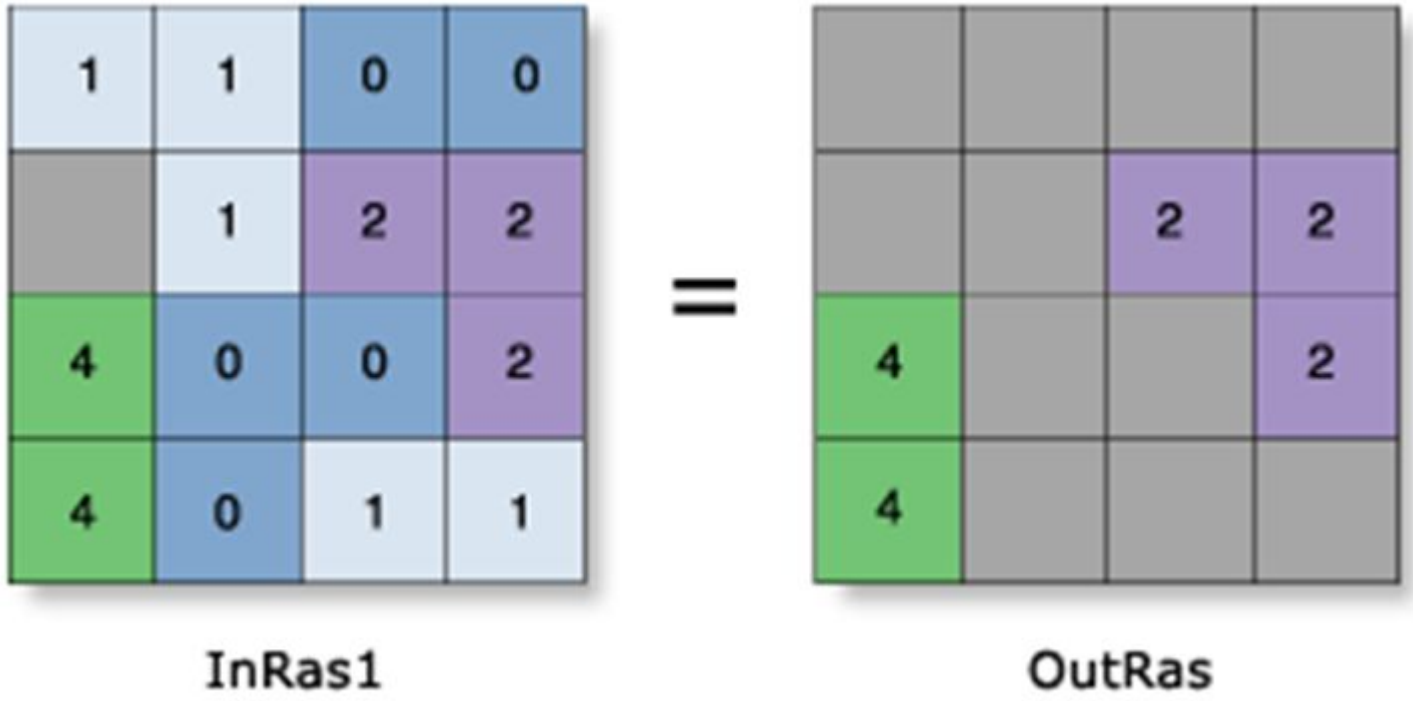


III.A EXTRACT BY MASK

EXTRACTION

III.B EXTRACT BY ATTRIBUTES

EXTRACTION



IV RASTER CALCULATOR