

# Extract Nodes Above or Below Value

## Description

Given a graph with a numeric attribute on its nodes, return a graph which only contains nodes where the specified numeric attribute is above (or less-than-or-equal-to) some value. If a node is not included in the final graph, all edges connected to that node will not be included either.

## Parameters

- **Extract from this number** - For the selected node attribute, all nodes which have a value greater than (NOT equal to) this value will be kept. The others will not be included in the graph. If "invert" is selected. All nodes with an attribute less-than or equal to the value will be included.
- **invert?** - If invert is selected, nodes whose attribute is less-than or equal to the 'Extract from this number' value will be kept instead.
- **Numeric Attribute** - Determines which numeric node attribute is examined when determining whether a node is above the 'Extract from this number' value. If no numeric attributes are present on the graph's nodes, the algorithm cannot be run.

## Applications

This algorithm can be used for a variety of purposes, whenever one has a large graph, and wants to get rid of certain nodes whose value is outside the range we are interested in.

## Links

- [Source Code](#)

## See Also



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