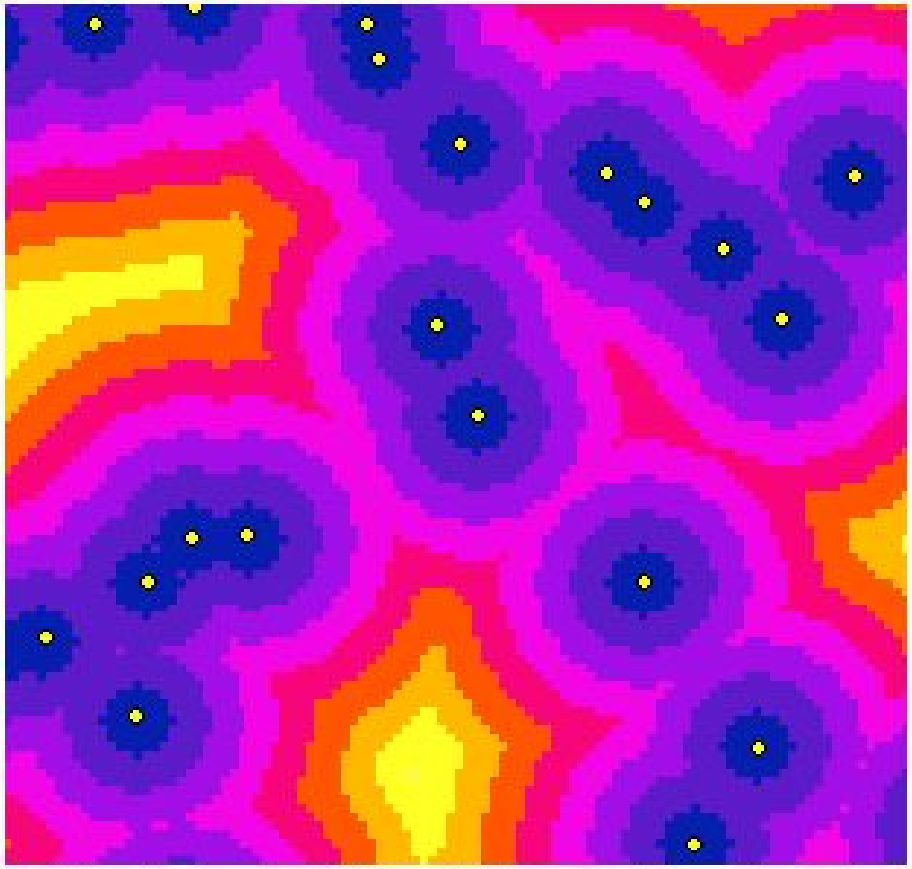
6 – VZDÁLENOSTNÍ ANALÝZY

Distance Toolset

Tool	Description
Corridor	Calculates the sum of accumulative costs for two input accumulative cost rasters.
Cost Allocation	Calculates for each cell its nearest source based on the least accumulative cost over a cost surface.
Cost Back Link	Defines the neighbor that is the next cell on the least accumulative cost path to the nearest source.
Cost Distance	Calculates the least accumulative cost distance for each cell to the nearest source over a cost surface.
Cost Path	Calculates the least-cost path from a source to a destination.
Euclidean Allocation	Calculates, for each cell, the nearest source based on Euclidean distance.
Euclidean Direction	Calculates, for each cell, the direction, in degrees, to the nearest source.
Euclidean Distance	Calculates, for each cell, the direction, in degrees, to the nearest source.
Path Distance	Calculates, for each cell, the least accumulative cost distance to the nearest source, while accounting for surface distance and horizontal and vertical cost factors.
Path Distance Allocation	Calculates the nearest source for each cell based on the least accumulative cost over a cost surface, while accounting for surface distance and horizontal and vertical cost factors.
Path Distance Back Link	Defines the neighbor that is the next cell on the least accumulative cost path to the nearest source, while accounting for surface distance and horizontal and vertical cost factors.

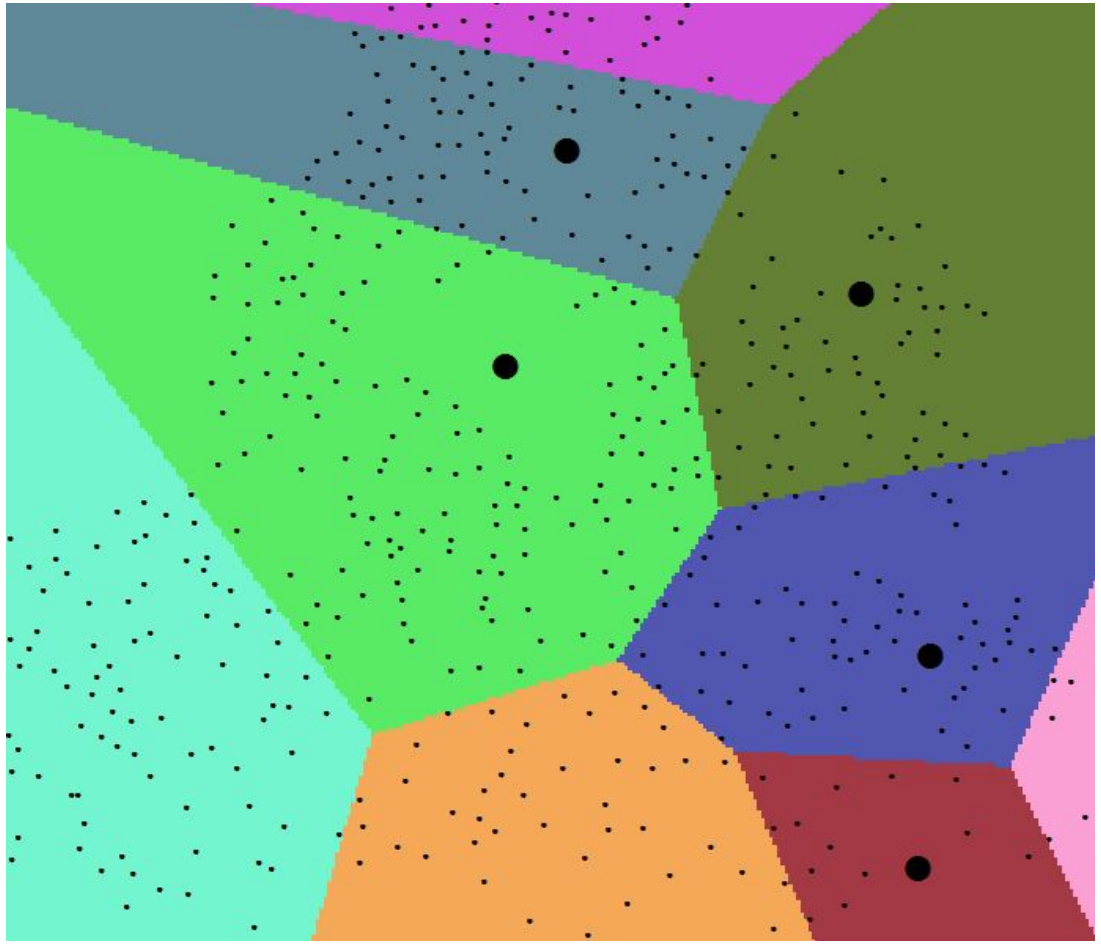
Tools in the Distance toolset

I. Euclidian distance

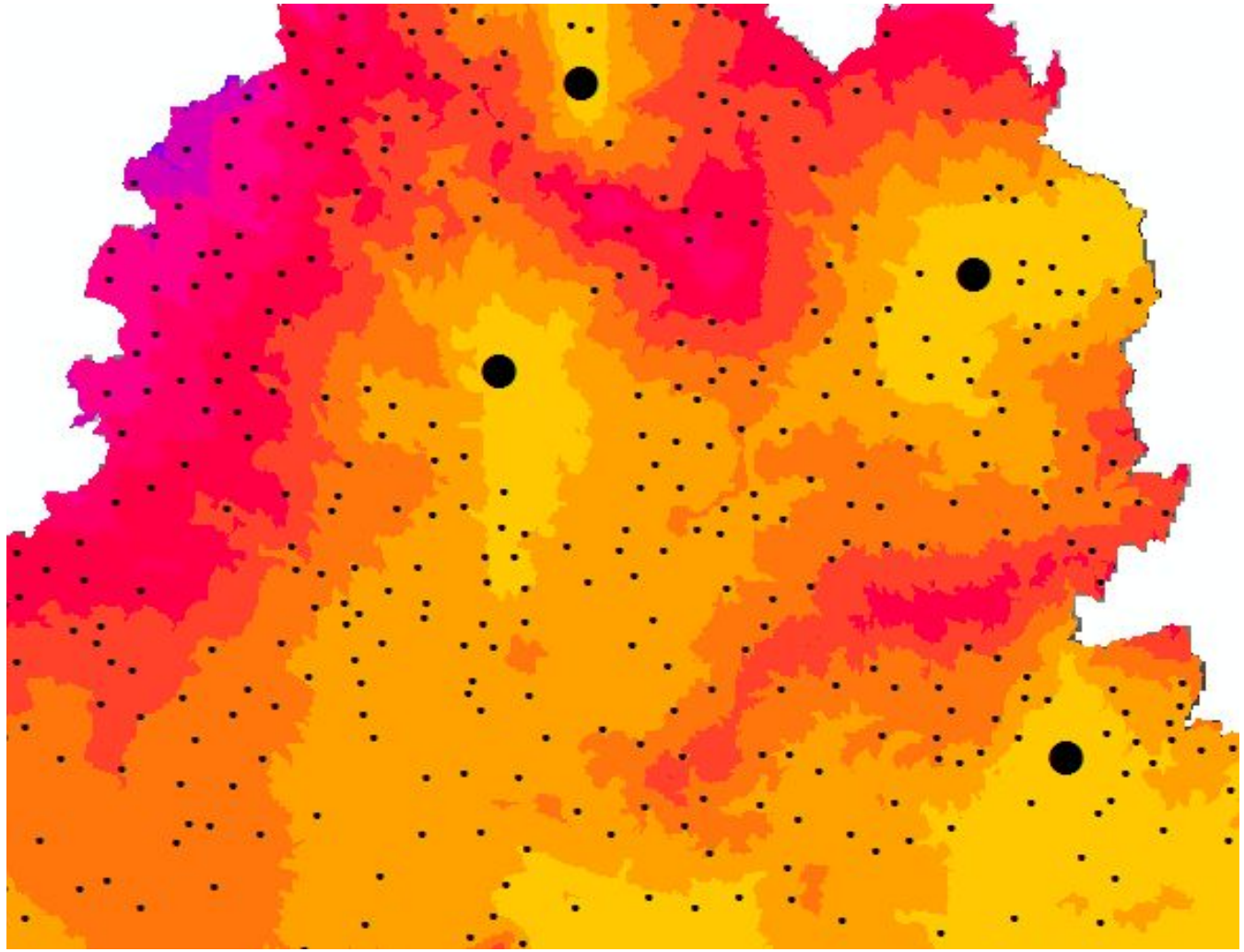


Map showing the distance to the nearest town for each location

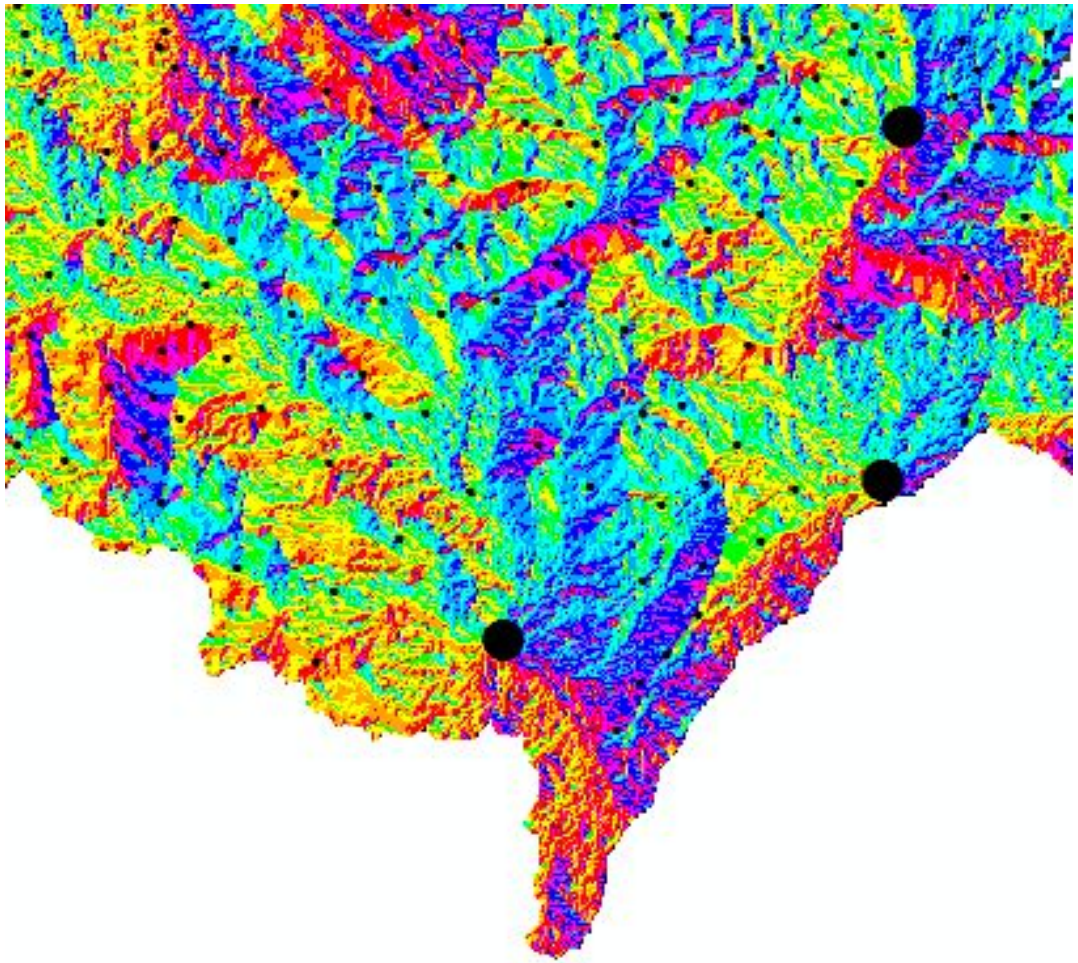
II. Euclidian Allocation

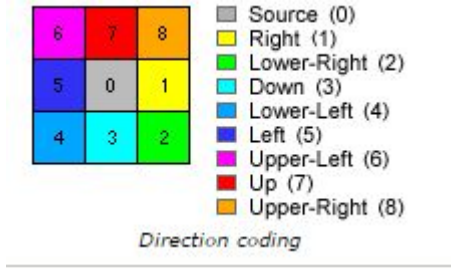


III. Cost Distance



IV. Cost Backlink





V. Cost Path