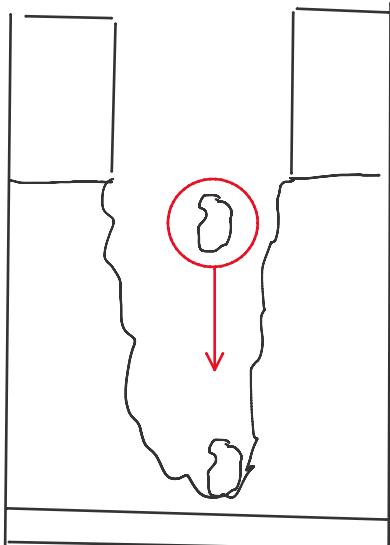


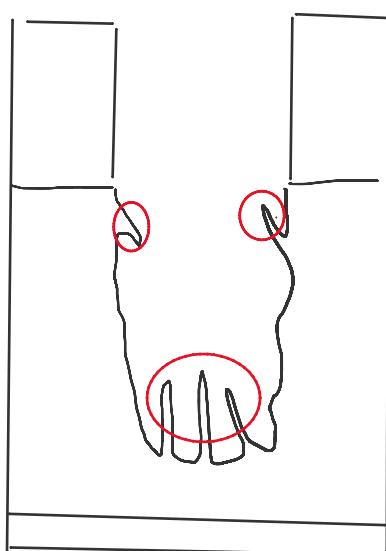
Drop

Sunday, September 13, 2020 6:50 PM



When a cluster is detached/separated from the main feature, the cluster will drop to bottom and reconnect/deposit on surface.

Search for separate shape in topology is a classical problem.

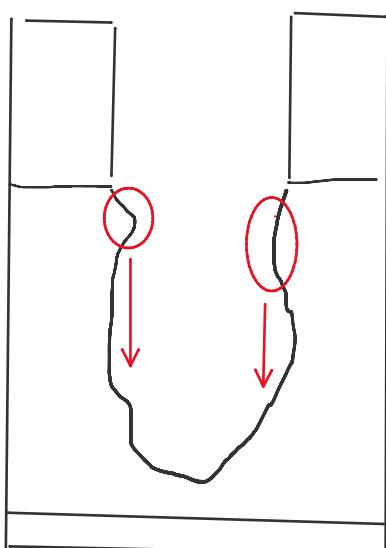


Occasionally, some branching shapes occur due to the statistical phenomenon. Mechanically, they could fall due to gravity.

Supporting/connecting force
vs.

Gravity

This is very difficult for practical implementation.



Assumption: No horizontal connection.

as long as there is no supporting directly underneath the cell, the cell drops to bottom.

The resulting profile is exactly CONCAVE.

Dropping materials are specified in yuml file. e.g. "Si" mat is dropping, but "PR" is not.