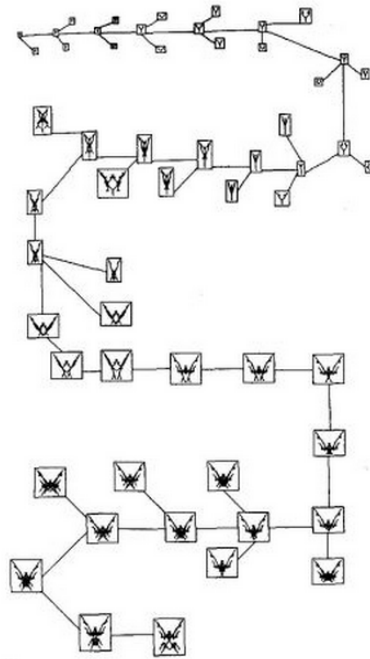
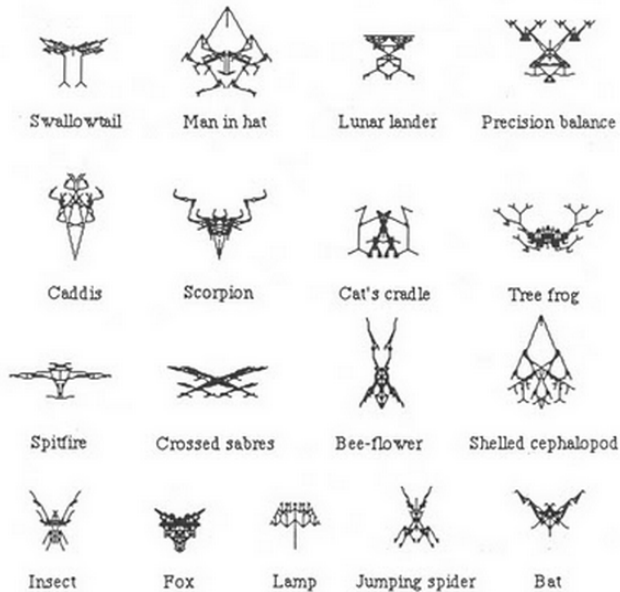


First Project --- Product Families

Assignment Date: 5/20/15

Due Date 6/17/15



Starting from a single-pixel biomorph, Richard Dawkins bred an insect-like creature in a mere 29 generations. Here is the creature's family tree, with a few evolutionary detours included.

Design a family of [5] products that serve various functions and that all share the same design space - a single Grasshopper definition.

Example product family categories include but are not limited to:

- Vessels - cups, bowls, platters, vases, decanters, etc.
- Light Diffusers - pendants, chandeliers, sconces, table lights, etc.
- Jewelry - bracelets, rings, necklaces, brooches, etc.

The product family must share the same design space in grasshopper (all members must come from the same definition), and each individual in the family could either

A) serve the same function (5 cups that all inherit from some abstract vessel) or,

B) serve different functions (a cup, bowl, platter, vase and decanter that all share the same design space); the choice is up to the designer.

Each member of the family will be 3D printed by the 3D printers available to you on campus, or by using an outsourced service like Shapeways. A high degree of geometrical complexity will be encouraged in order to take advantage of the 3D printing process - we are going to push the envelope, so to speak. 5 full scale Physical prints are required deliverables.