Group: The Chippers

Date: 30.10.14

***Design***

**Step 1:**

Structure for first grid (Print#1):

1. Draw the grid (17x12)
2. Add logical ports (25)

Functions:

1. Calculate distance between two LPs
2. Calculate number of optimal paths between two LPs
3. Draw the optimal nets (connections) for two LPs

**Step 2:**

1. For each connection, repeat functions steps from step 1
2. Initialize extra layers
3. Chose the connection with the least number of intersections between two LPs

Ideas:

1. The algorithm should only care about the optimal length allowing intersection only when necessary.
2. The LPs with least number of optimal paths have a higher priority.