

Logistics

- Analyzed and manipulated data in MatLab to optimize the location of a new warehouse based on customer base (demand), cost, and time (for suppliers to reach the warehouse)
- Recommended policies for the new warehouse such as reorder level, sizing, and location of products within the warehouse

Warehouse Design

- Utilized AutoCAD to create a 2D warehouse layout based on the results obtained from the optimization problem.
- Criteria for the warehouse layout consisted in items that were likely to be used together were closer to each other, products were placed considering the time it would take a worker to reach the product.