Goals of Home Depot Trucking and Distribution Centers

* Want it to be cheap
  + Fewest amount of distribution centers
  + Fewest routes/truck drivers as possible
* Meet demand of every store
* Minimize distance traveled for truck drivers
* Hit a route of stores in one day (12 hour period)
  + Buffer room for traffic
* Must hit depots within store hours (and time to unload truck)
* Hit as many stores as possible with trucks capacity

First objective:

* Limit distance traveled by each truck driver
  + T- set of truck drivers
  + D\_t – distance traveled by each truck driver
  + D\_t <= 200 miles