The TPC-C Benchmarks

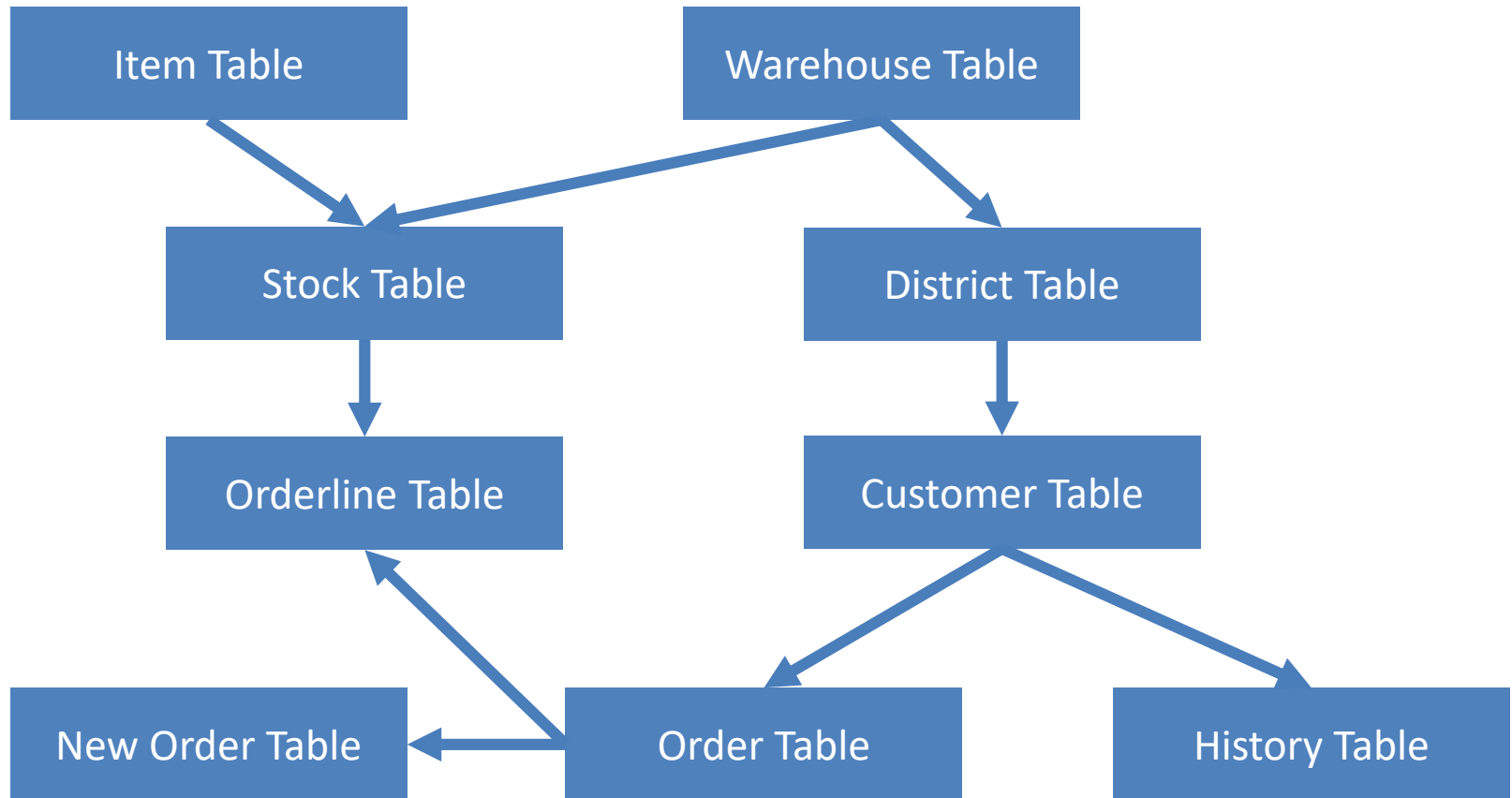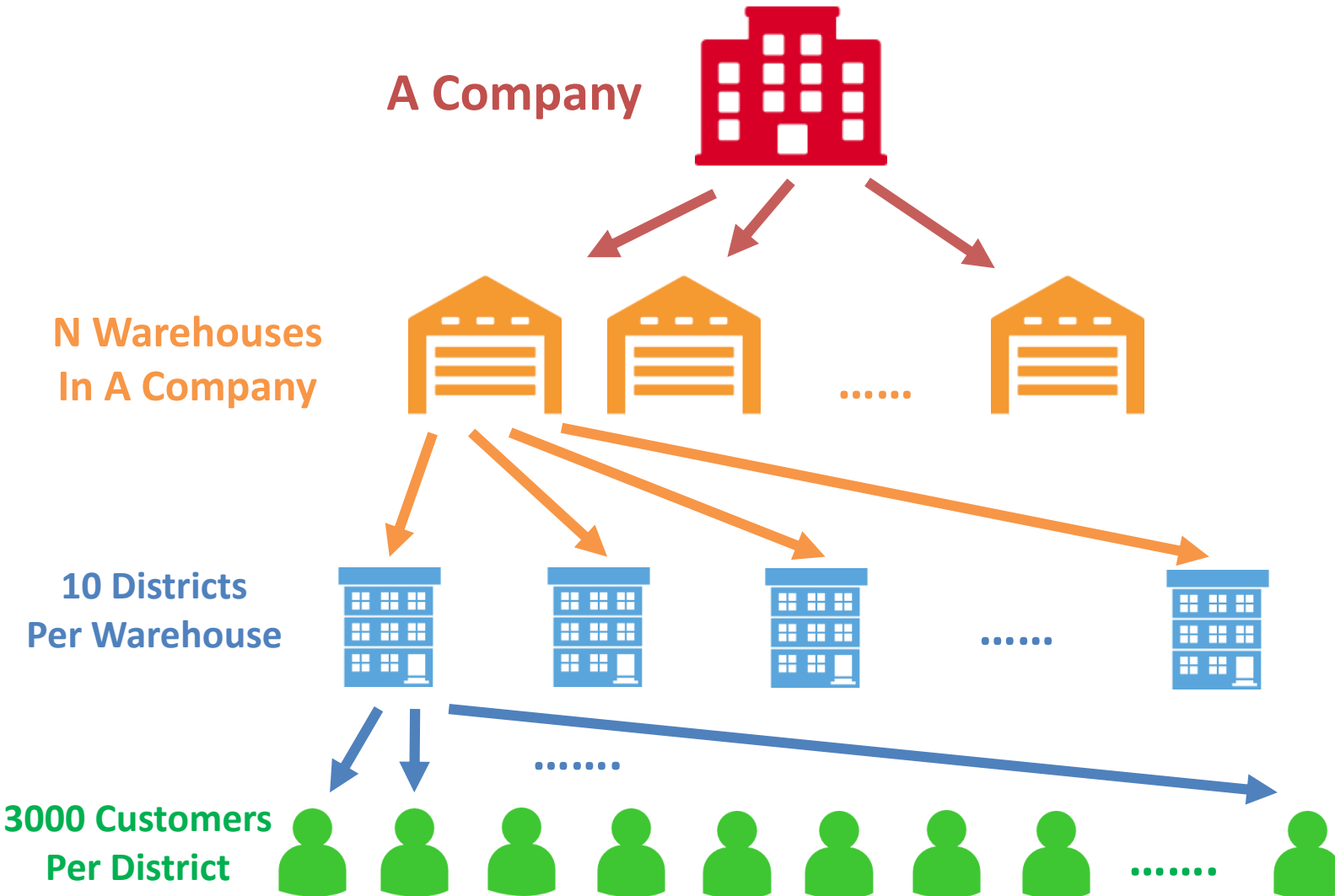Introduction to Database Systems

DataLab

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The TPC-C Benchmark

- The TPC-C benchmark is a industry-standard benchmark purposed by TPC (Transaction Processing Council)
  - There are also TPC-A, TPC-B, TPC-E, TPC-H
- The TPC-C is designed to benchmark DBMS under a OLTP workload
- It models a warehouse management system
  - Almost all records are related to a warehouse record
  - It is a easy-to-partition workload

Database Architecture

Warehouses

A Company

N Warehouses
In A Company

......

10 Districts
Per Warehouse

......

3000 Customers
Per District

....

....

Orders

A Customer

A New Order
Order

An Order

An Orderline

An Orderline

An Orderline

An Orderline