























- Optimal solution frequently has associated communication cost that outweighs benefit it provides
- Localized (suboptimal) algorithms are desirable
 - Local communication to achieve global objective
 - Clustering/hierarchical approaches to simplify the task
- End-to-end, Internet style protocols are inappropriate
 - Queries on Internet involve search engine, substantial indirection between name and address
 - Too much communication and search overhead
 - General purpose functionality is not necessary for these specialized applications.
 Part 1: 11





