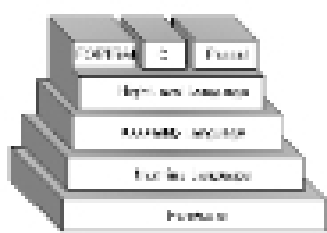


# CSE 452: Programming Languages

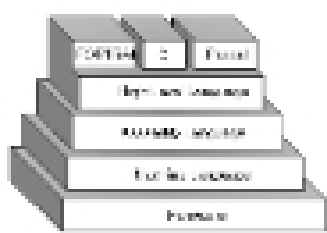
Logical Programming Languages

Part 3



# Prolog Example

- ◆ Delete an element from a list
  - deleteElem /3 ( /3 means there are 3 arguments)
  - Example:
    - ◆ deleteElem(4, [2,3,4,5], X)
      - X = [2,3,5].
    - ◆ deleteElem(6, [2,3,4,5], X)
      - X = [2,3,4,5].



# Delete an Element from a List

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- ◆ Functor: `deleteElem`
- ◆ Arguments
  - Input:
    - ◆ An element
    - ◆ List of elements
  - Output:
    - ◆ Result list