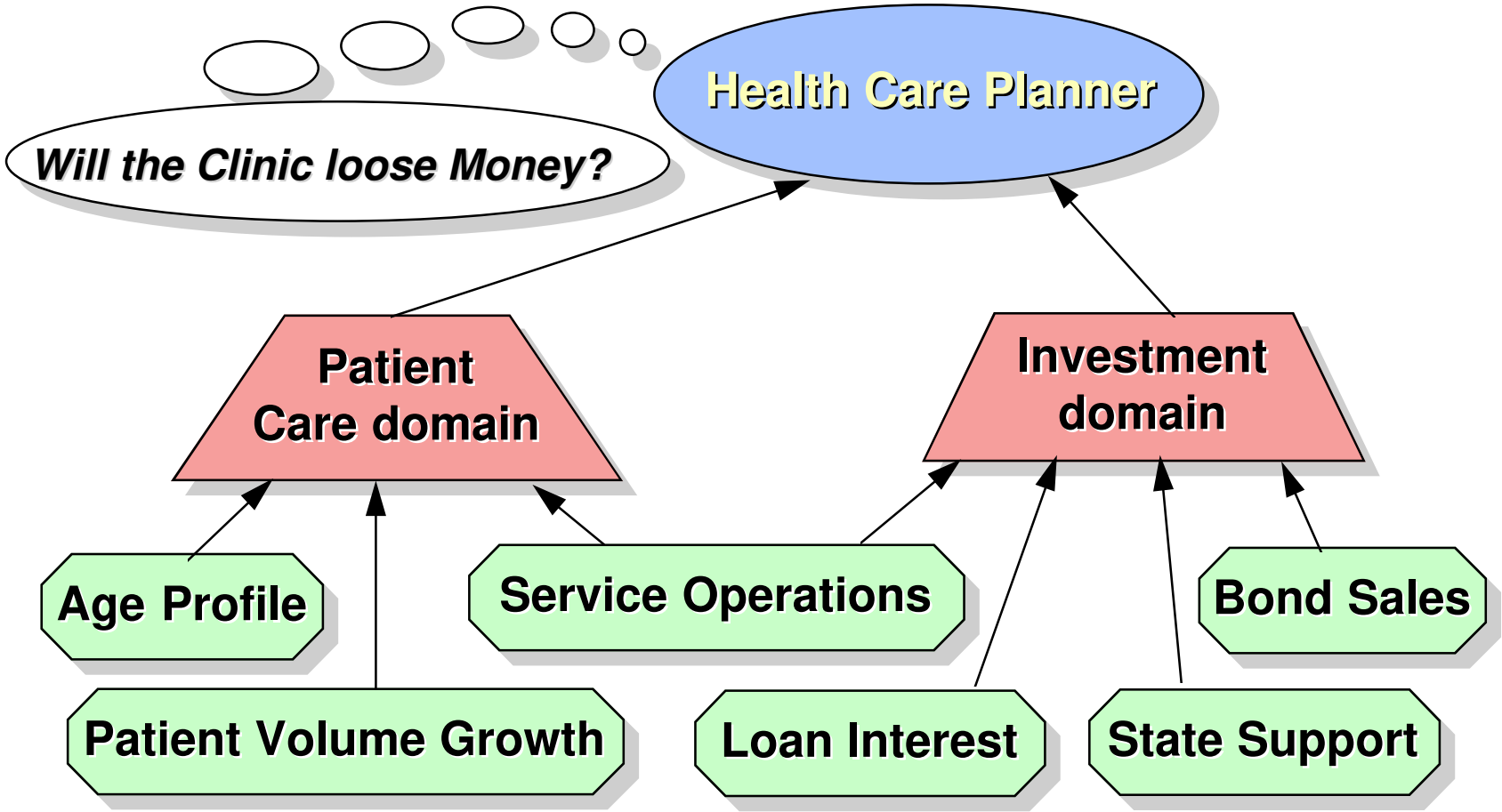
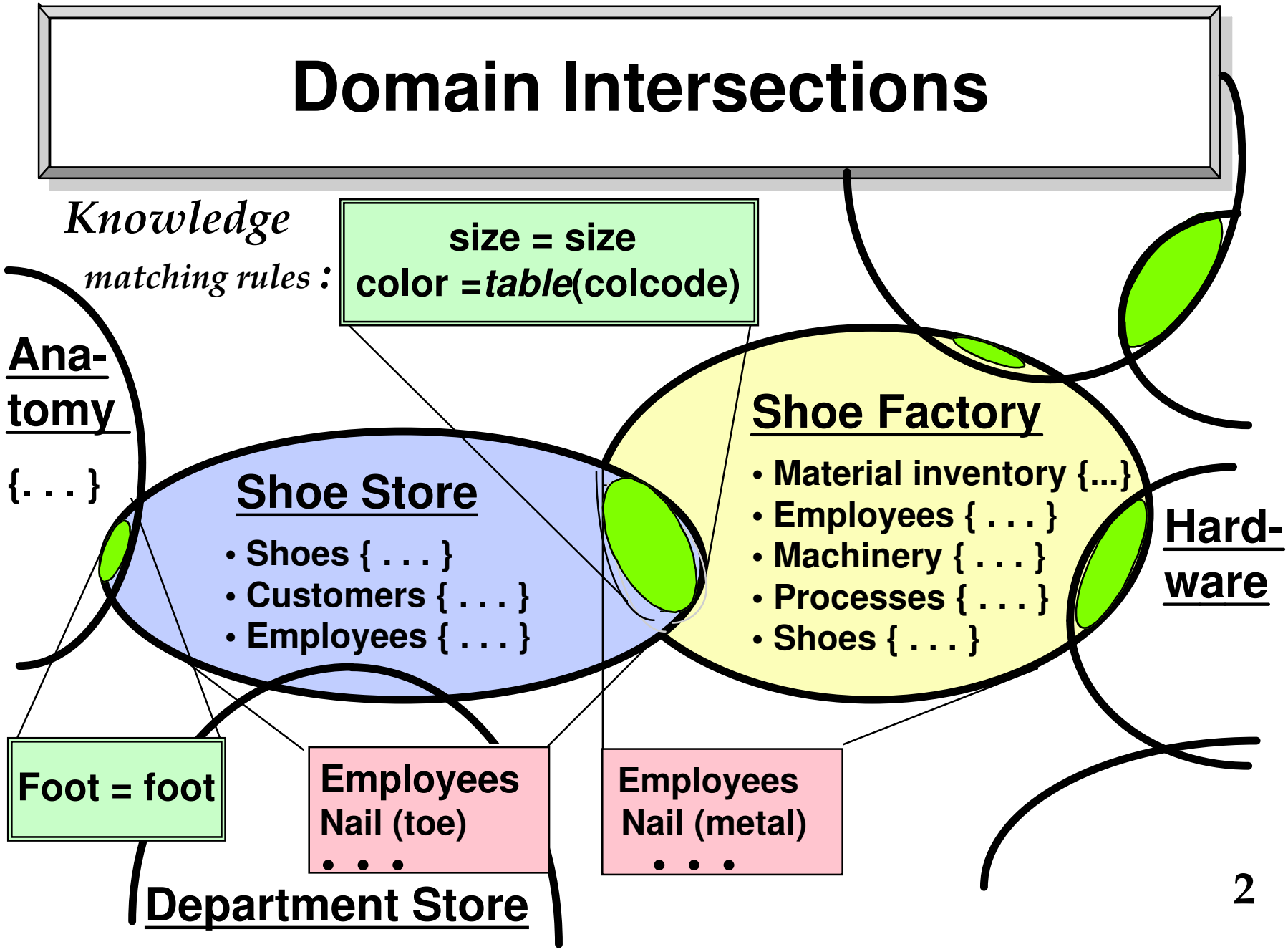
Example in Health Care



Domain Intersections



A Domain Algebra

We propose a knowledge-based domain algebra

The Domain-Knowledge-Base (DKB) consists of matching rules that link domain ontologies

Intersection	$\cap$	create a subset ontology ⇨ sharable entries
Union	$\cup$	create a joint ontology ⇨ merged entries
Difference	$-$	remove entries from an ontology ⇨ retain shared entries