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Specification

• Find what varies and manipulate it.

• What is varying in this example?

The CAD System

• How do we end cap simulate it?

• **Prefer composition over inheritance!!**

Specification

- Find what varies and encapsulate it.
- What is varying in this example?
 - The CAD System
- How do we encapsulate it?
 - Favor composition over inheritance!!

“Although inheritance can make an analysis model more understandable and an object design model more modifiable or extensible, these benefits do not occur automatically. On the contrary, inheritance is such a powerful mechanism that novice developers often produce code that is more obfuscated and more brittle than if they had not used inheritance in the first place.”

–Bruegge and Dutoit p 314