## **Responsive Supply Chains**

- Delayed Differentiation
- Read-React Capabilities

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## **Delayed Differentiation - Postponement**

- Modular Product Design
- Modular Process Design
- Agile Supply Network

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## **Supply Chain Design**

- Degree of proximity to Customers
- Degree of Centralization
- · Degree of Flexibility
  - Capacity Flexibility
  - Logistical Flexibility
  - Multi-sourcing
  - Postponement
  - Read React Capability

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## How do the costs work out?

- Cd > Cf Domestic manufacturing is expensive
- Ld < Lf (in weeks) Domestic lead time is lower</li>
- Weekly Demand ~ N (M, s)
- h holding cost per unit per week
- Replenishment cycle 1 week
- Overall Cost Domestic = Cd\*M+ h \* z \* s \* Sqrt (Ld + 1)
- Overall Cost Foreign = Cf\*M + h \* z \* s \* Sqrt (Lf + 1)

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