CIVILIZATION ALPHA

Big Words Don't Come Cheap

Project CyberSym I

An Agent-Based Simulation of Multi-Stage Production Processes

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UNIVERSITY OF AMSTERDAM

1

Stafford Beer (1959)

All viable systems are necessarily adaptive and self-regulating

Management Cybernetics

2

Salvador Allende (1970)

First elected socialist President of Chile

Nationalization of Industry

2

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Nationalization of Industry

3

4

Project CyberSyn (1971)

Name from its main concepts:
Cybernetics and **Syn**ergy

4

Project CyberSyn (1971)

Name from its main concepts:
Cybernetics and **Syn**ergy

Cybernet. A network of telex machines

Cyberstride. Real-time statistical evaluation

CHECO. Economic Decision System

5

Project CyberSyn (1973)

Military Coup: The government is toppled, Allende is killed and the scientists working on CyberSyn are imprisoned

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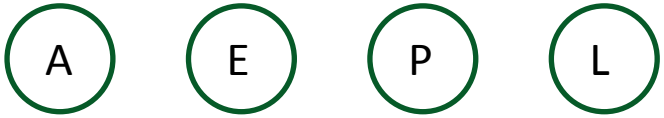
Military Coup: The government is toppled, Allende is killed and the scientists working on CyberSyn are imprisoned

Project CyberSym: Under which parameter settings will an Agent-Based Simulation of Multi-Stage Production Processes adopt an optimal resource distribution network?

Project CyberSym

Cybernetics and **Sym**biosis

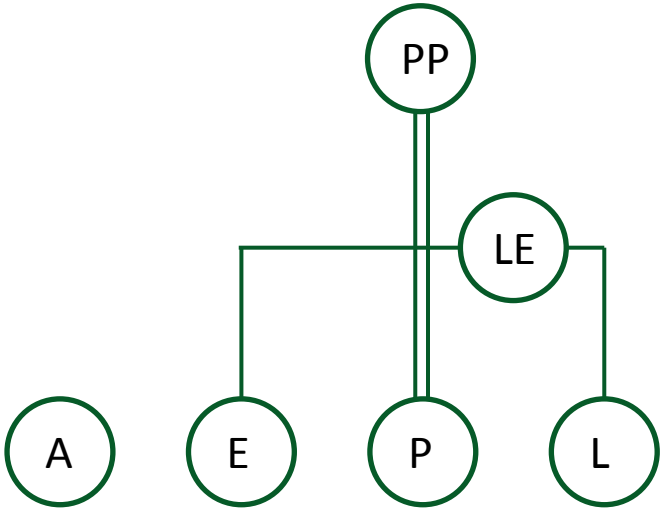
Multi-Stage Word-Building

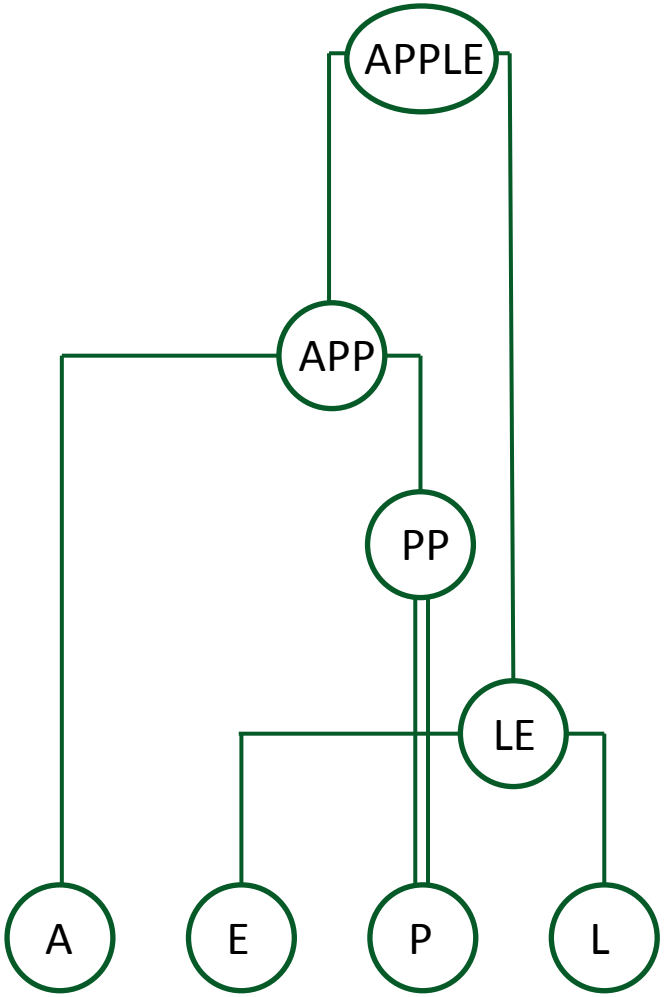


Project CyberSym

Cybernetics and **Sym**biosis

Multi-Stage Word-Building

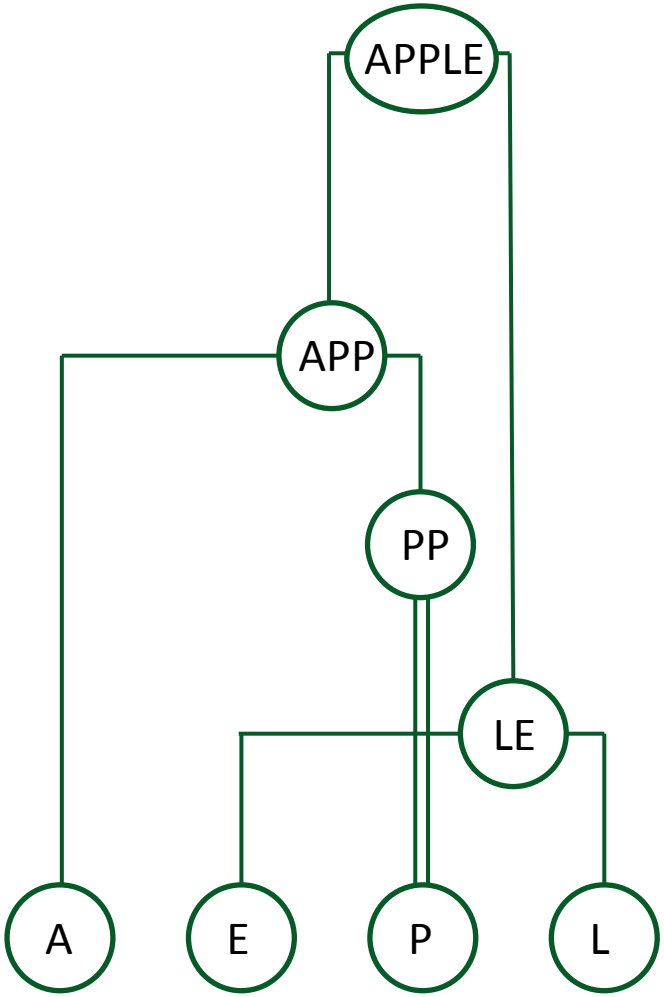




Project CyberSym

Cybernetics and **Sym**biosis

Multi-Stage Word-Building

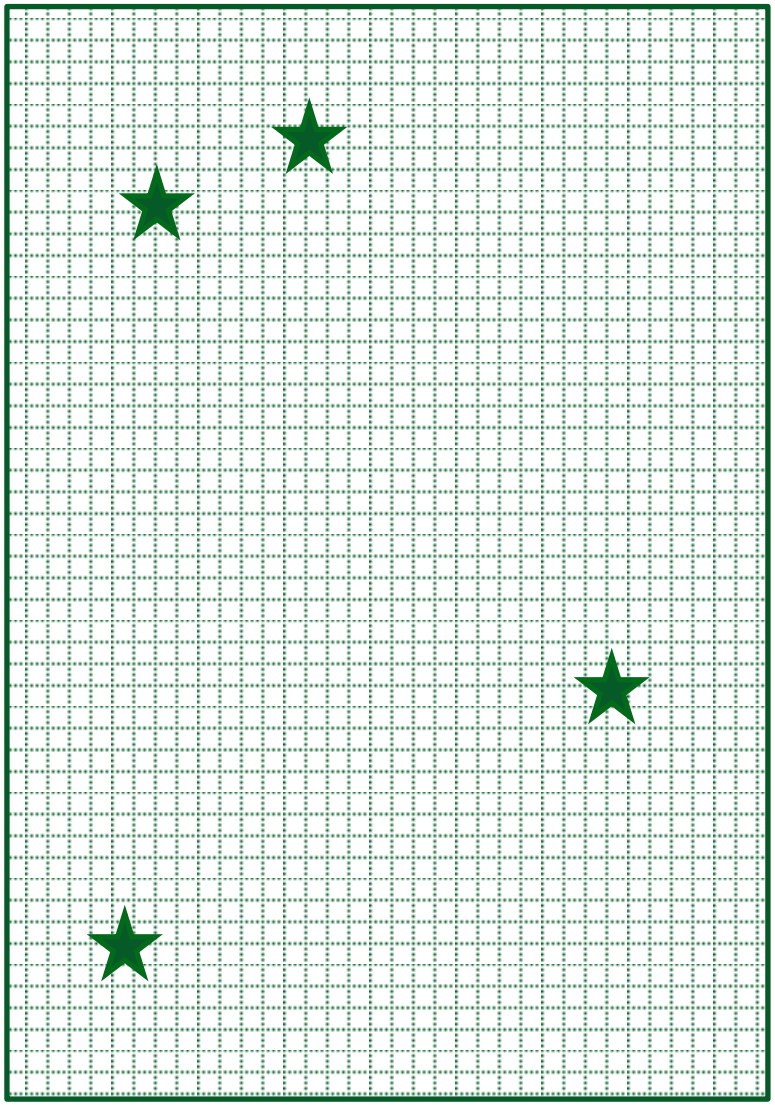


Project CyberSym

Cybernetics and **Sym**biosis

Multi-Stage Word-Building

Agent-Based Simulation



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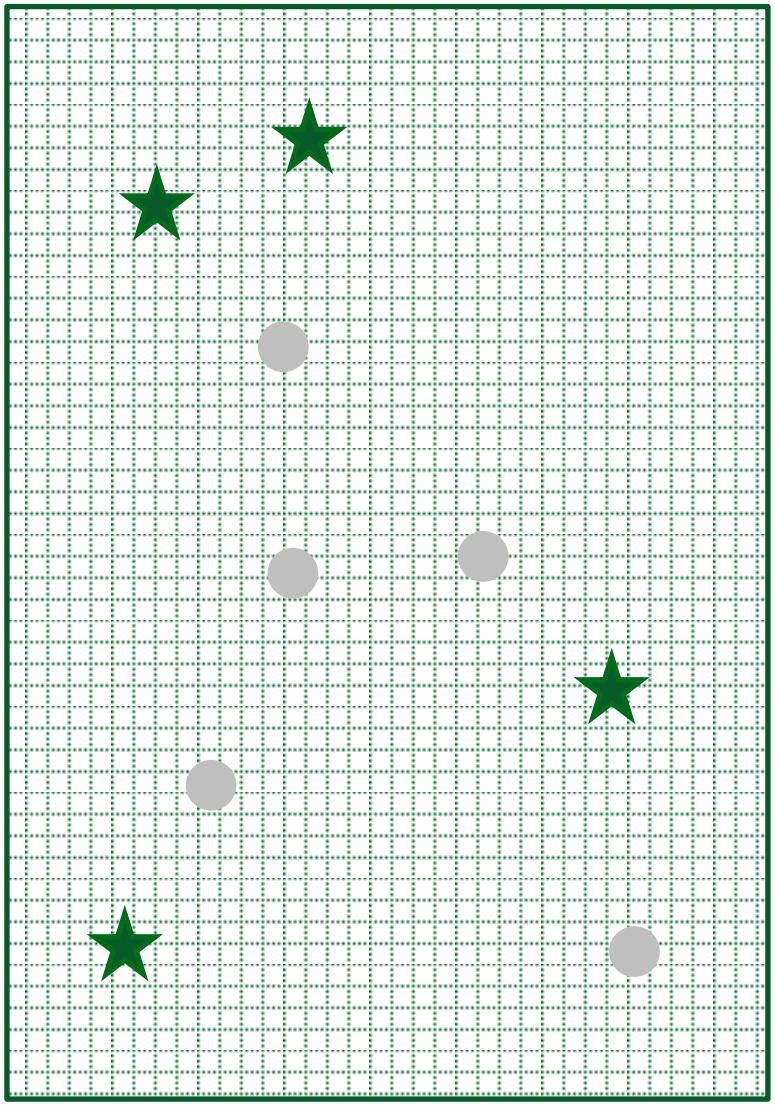
Cybernetics and **Sym**biosis

1) Environment with Resources



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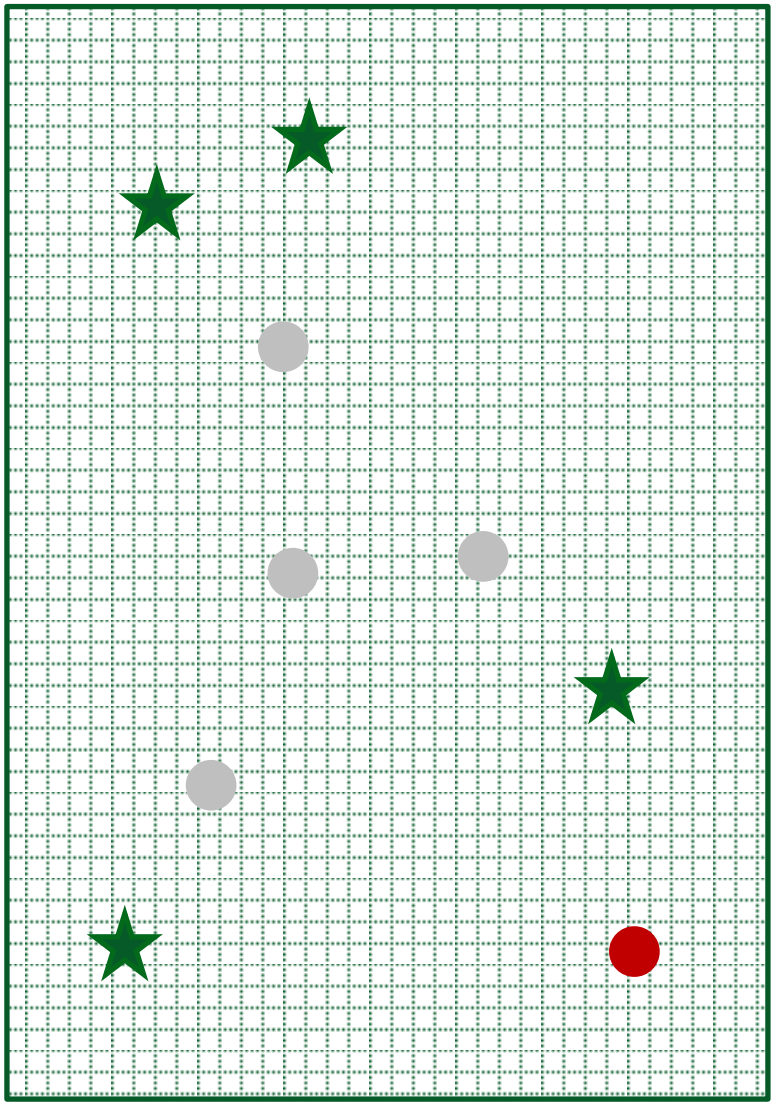
Cybernetics and **Sym**biosis

1) Environment with Resources
2) Agents



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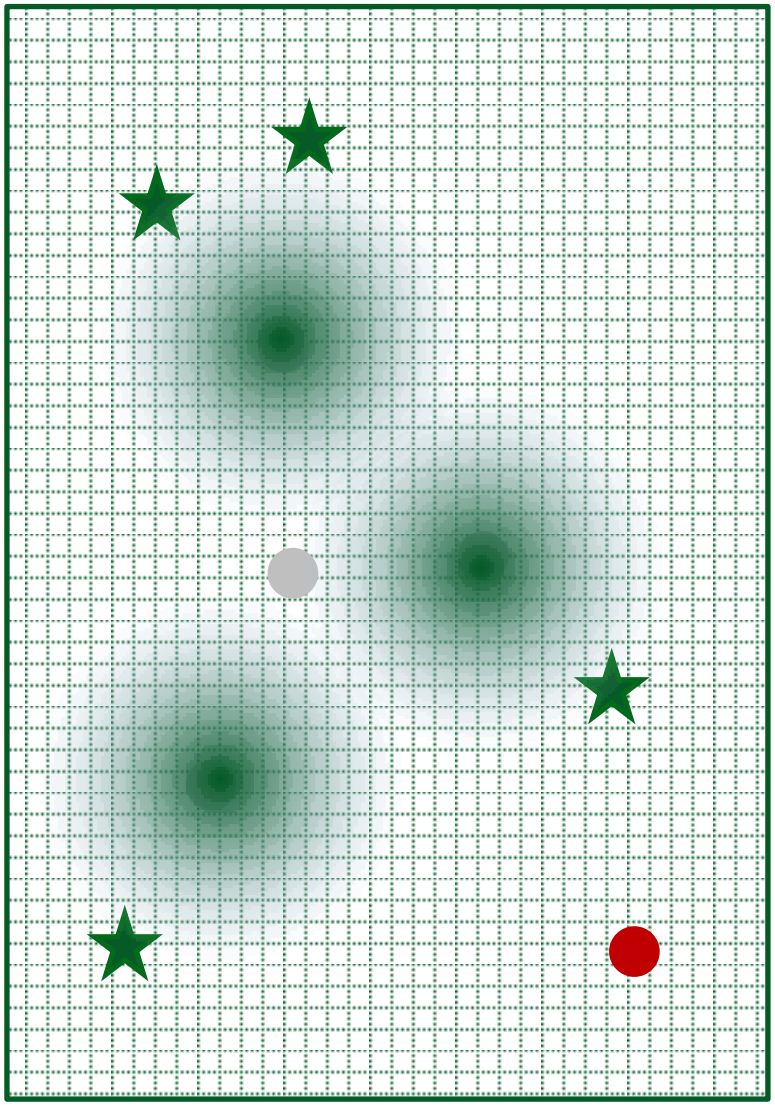
Cybernetics and **Sym**biosis

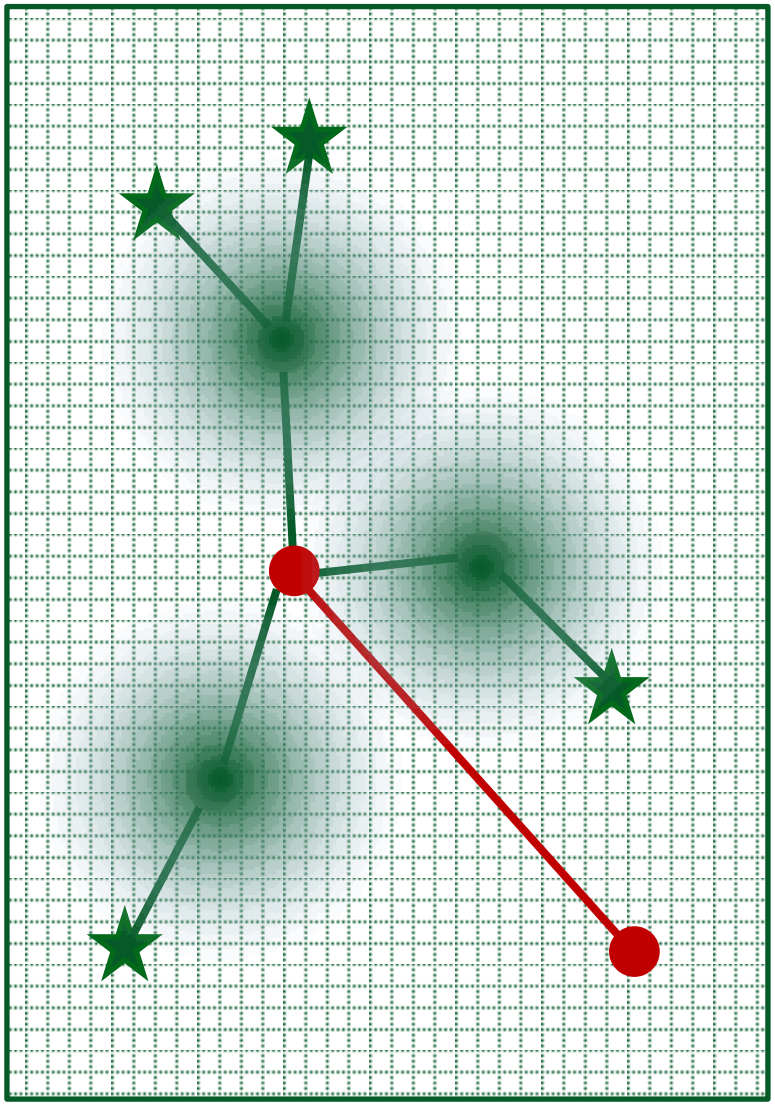
1) Environment with Resources
2) Agents
3) Demand



Project CyberSym

Cybernetics and **Sym**biosis

1) Environment with Resources
2) Agents
3) Demand
4) Supply



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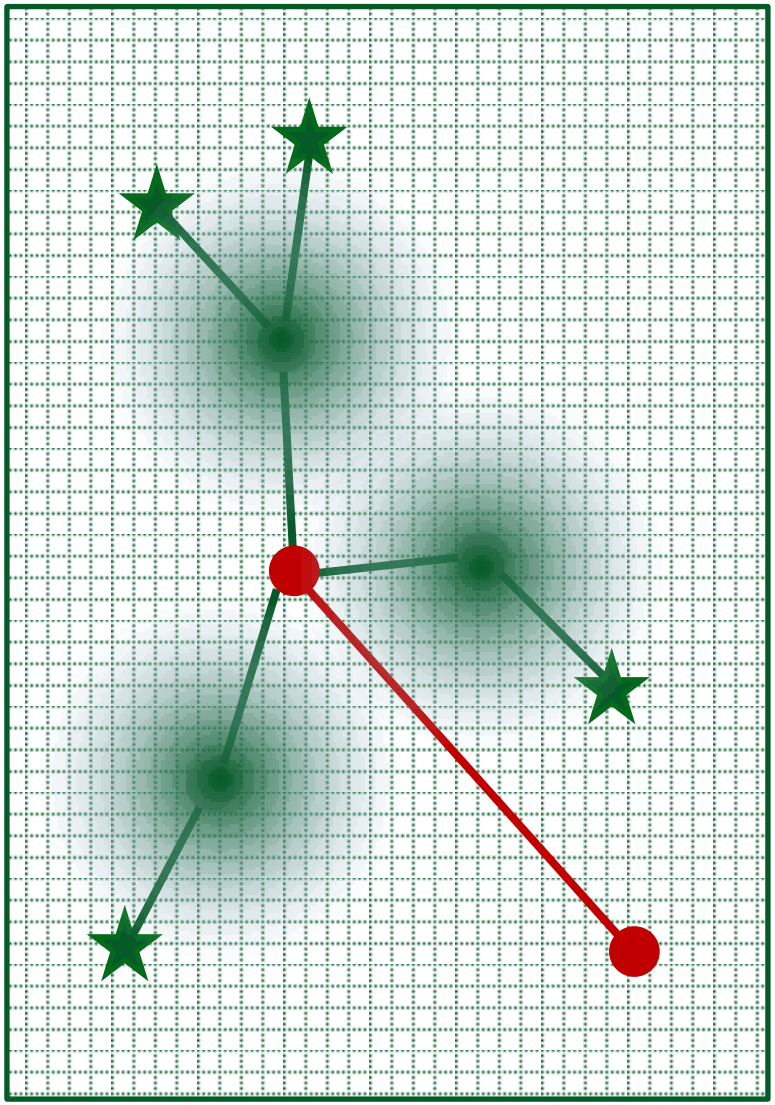
Cybernetics and **Sym**biosis

1) Environment with Resources
2) Agents
3) Demand
4) Supply
5) Collaboration



Project CyberSym

Cybernetics and **Sym**biosis

1) Environment with Resources
2) Agents
3) Demand
4) Supply
5) Collaboration

6) Evaluation

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Project CyberSym I

Main research question: Under which parameter settings will an Agent-Based Simulation of Multi-Stage Production Processes adopt an optimal resource distribution network?

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Image Sources

1) http://www.vanityfair.fr/uploads/images/201506/dc/vf_stafford_beer_2180.png
2) http://www.sbs.com.au/theother911/images/c7333e7d.allendeElection_800x554.jpg
3) http://img3.wikia.nocookie.net/__cb20110317013600/althistory/images/b/bf/Map_Chile_DD.png
4) http://proyectoidis.org/wp-content/uploads/2013/07/Project-Cybersyn051.jpg
5) http://www.hindustantimes.com/Images/2011/5/113a350f-15d0-4e13-9ff6-0e20f20b0456HiRes.JPG