

Resilient Multi-Agent Systems

Self-organizing agents for complex tasks

- Rather than using human-defined agents, can we have the agents themselves decide how to break up tasks and delegate sub-tasks?

- Allows the system to remain small for simpler tasks, and grow larger using multiple agents for more complex tasks

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Recursive Multi-Agent Systems

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- Allows the system to remain small for simpler tasks, and grow larger using multiple agents for more complex tasks

ReDel

A framework for recursive multi-agent systems



Help me plan a trip to Japan visiting 3 cities.



I'll need to find flights, hotels, trains, and food.



Search for flights to Japan...
FlightSearch[SFO, NRT]



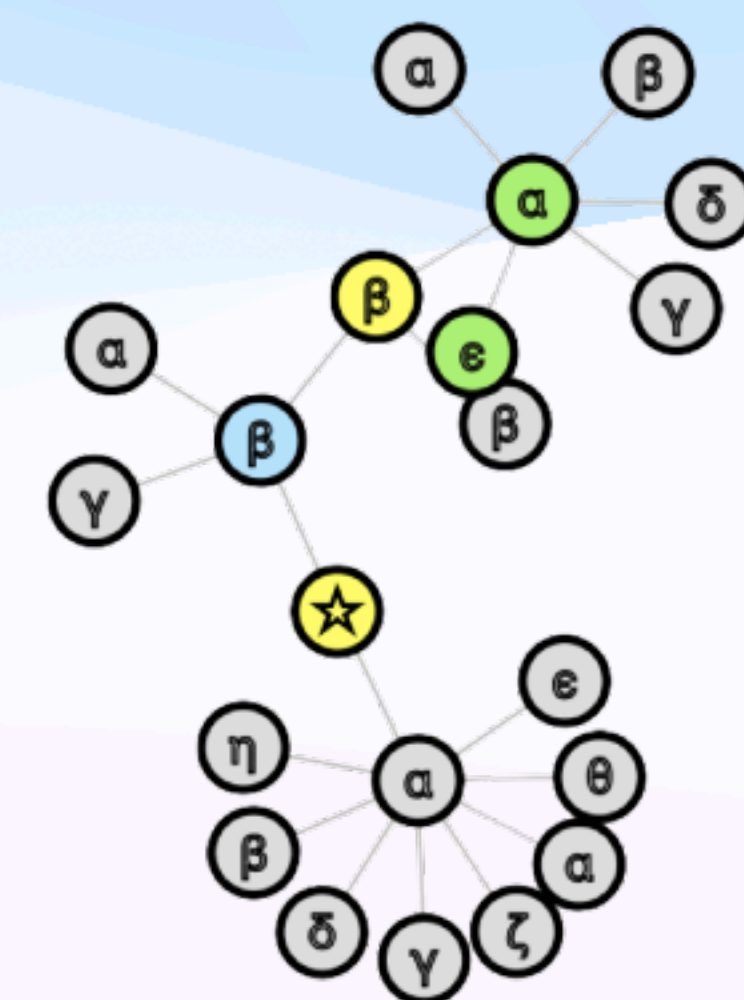
Find hotels in Tokyo, Osaka, ...



Search for a hotel in Tokyo...



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Delegation Graph