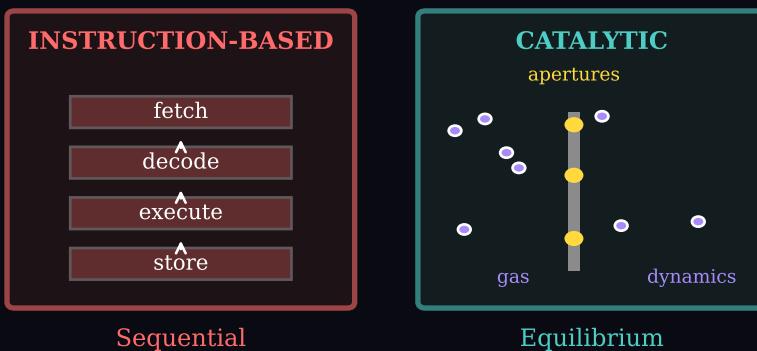


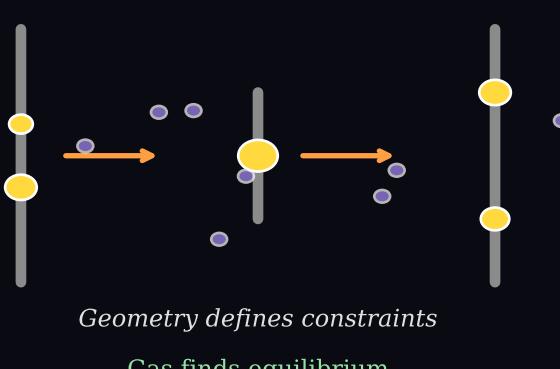
Catalytic Programming: Apertures as Programs, Equilibrium as Solutions

A. Two Programming Paradigms

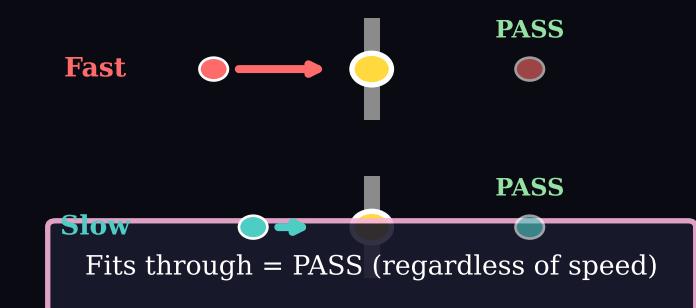


B. Program = Aperture Geometry

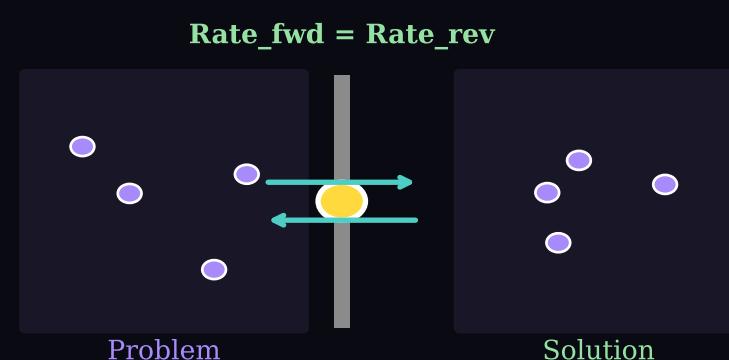
Program(P) = {Partitions, Apertures}



C. Velocity Independence



D. Solution = Equilibrium



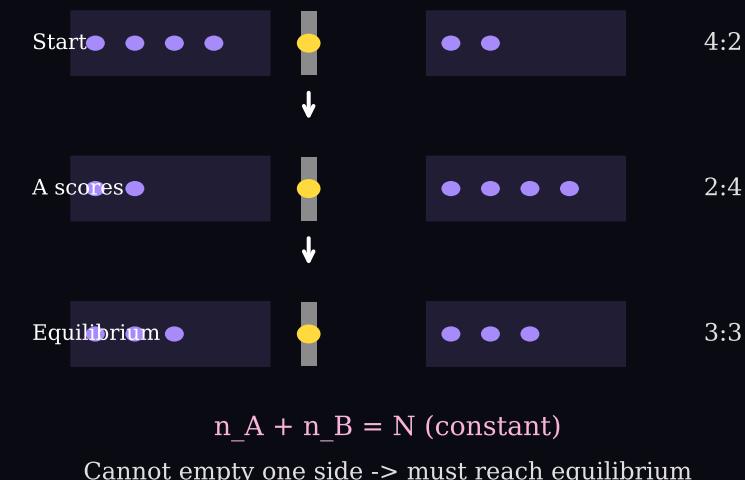
E. Catalyst Ignorance

Aperture defines: WHERE you can go

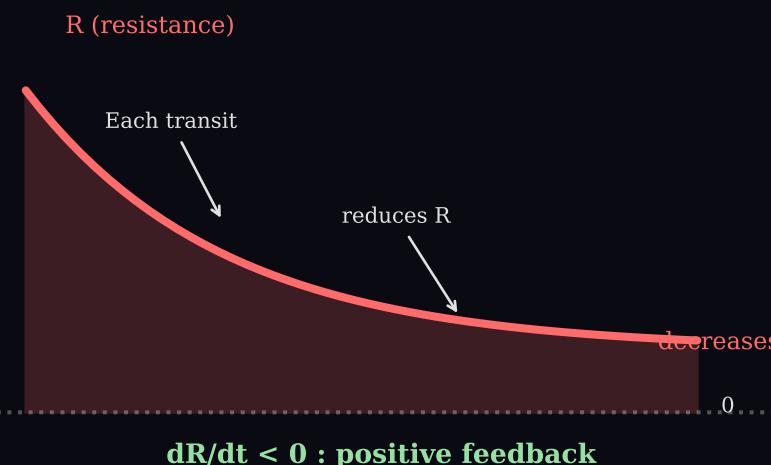
NOT: WHAT the answer is



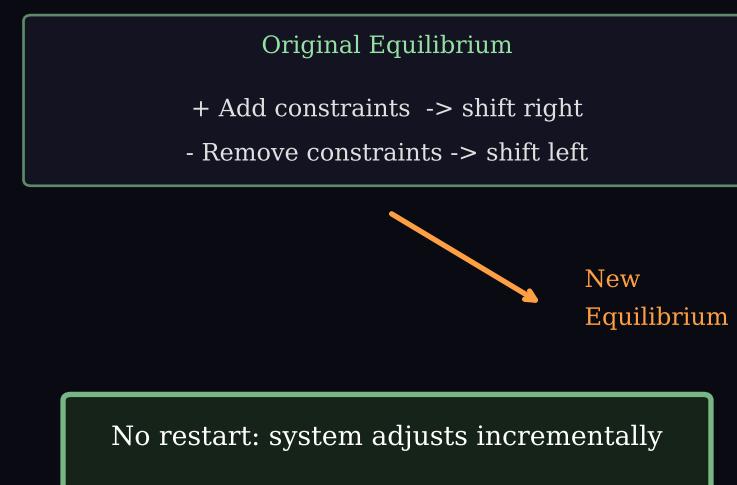
F. Conservation -> Termination



G. Autocatalytic Feedback



H. Problem Perturbation



I. Paradigm Summary

	Traditional	Catalytic
Program	Instructions	Apertures
Execute	Step-by-step	Gas dynamics
Terminate	Halt	Equilibrium
Speed	FLOPS	Irrelevant
Solution	Computed	Emergent

Declarative | Geometric | Equilibrium-based