

Conservation and the "Meaningless Victory"

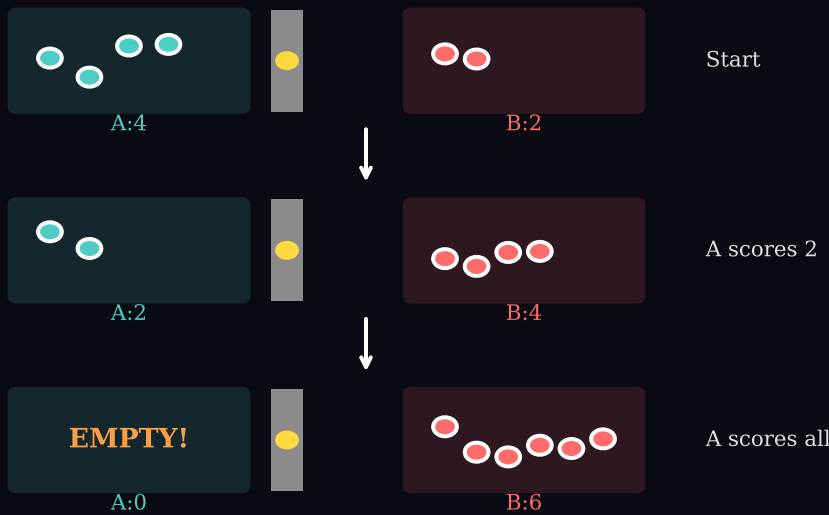
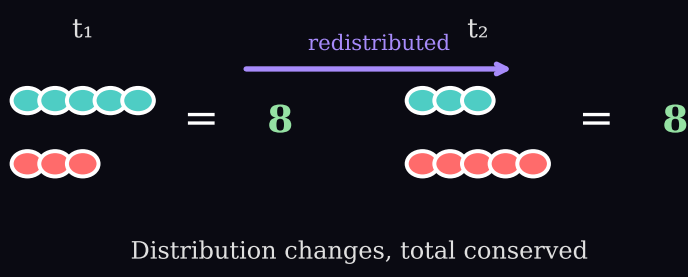
Why Chemical Equilibrium Exists

B. Team A Scores Repeatedly

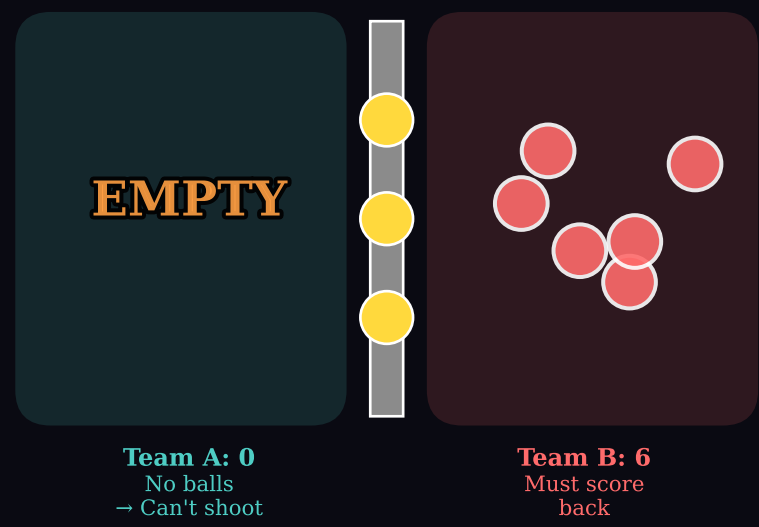
A. Conservation Law

$$n_A(t) + n_B(t) = N$$

Total balls = constant



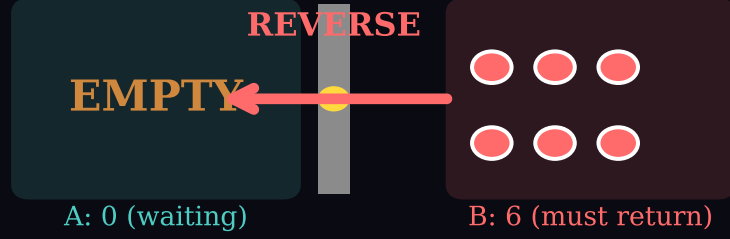
GAME HALTED



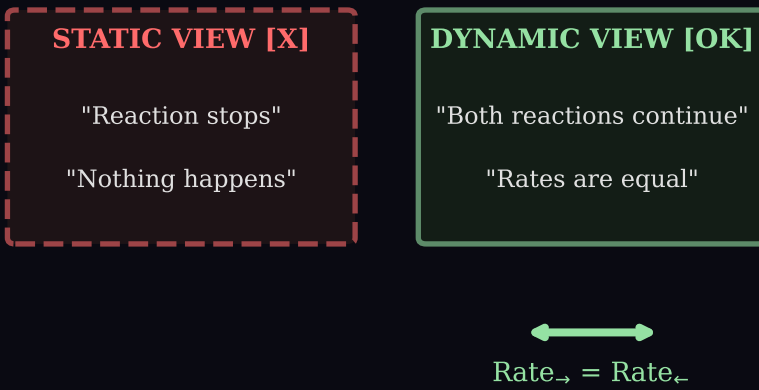
D. Forced Direction Reversal

$$Rate_A = f(n_A) = 0$$

Forward halts → Reverse proceeds

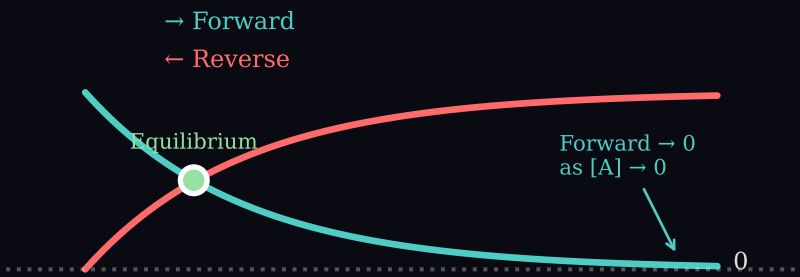


F. Dynamic ≠ Static

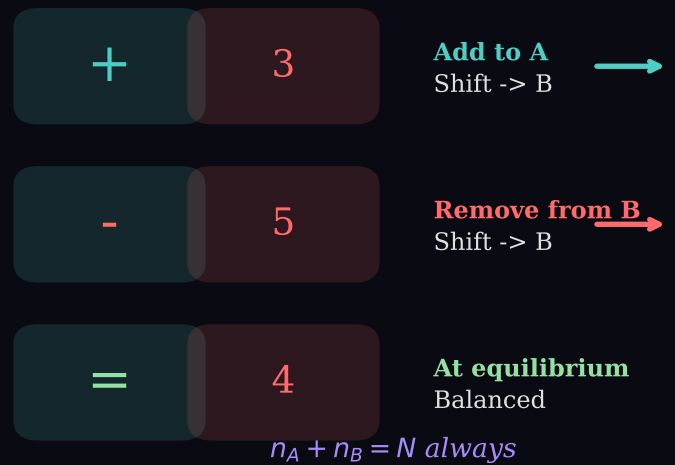


G. Complete Conversion Impossible

[A] → 0 means Forward → 0



H. Le Chatelier from Conservation



I. The Meaningless Victory Theorem

