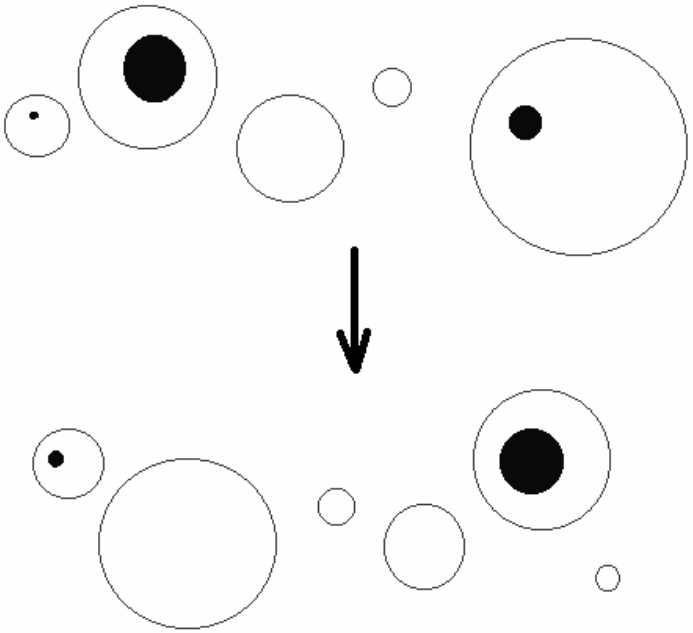
Micro Hypothesis

- Individuals act “randomly” according to **probabilistic** *micro-laws*

- stable steady state *macro* (collective) behavior **emerges**.

Micro-law Postulates

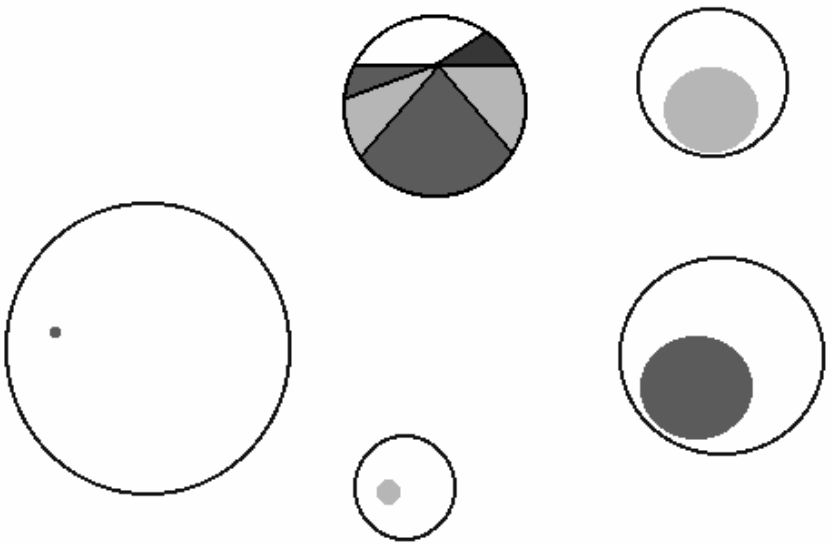


individual determines:

- Number of flakes
- Which flakes to stay in
- Which flakes to join

parameters govern how

Number of Flakes



Node has an ***energy***

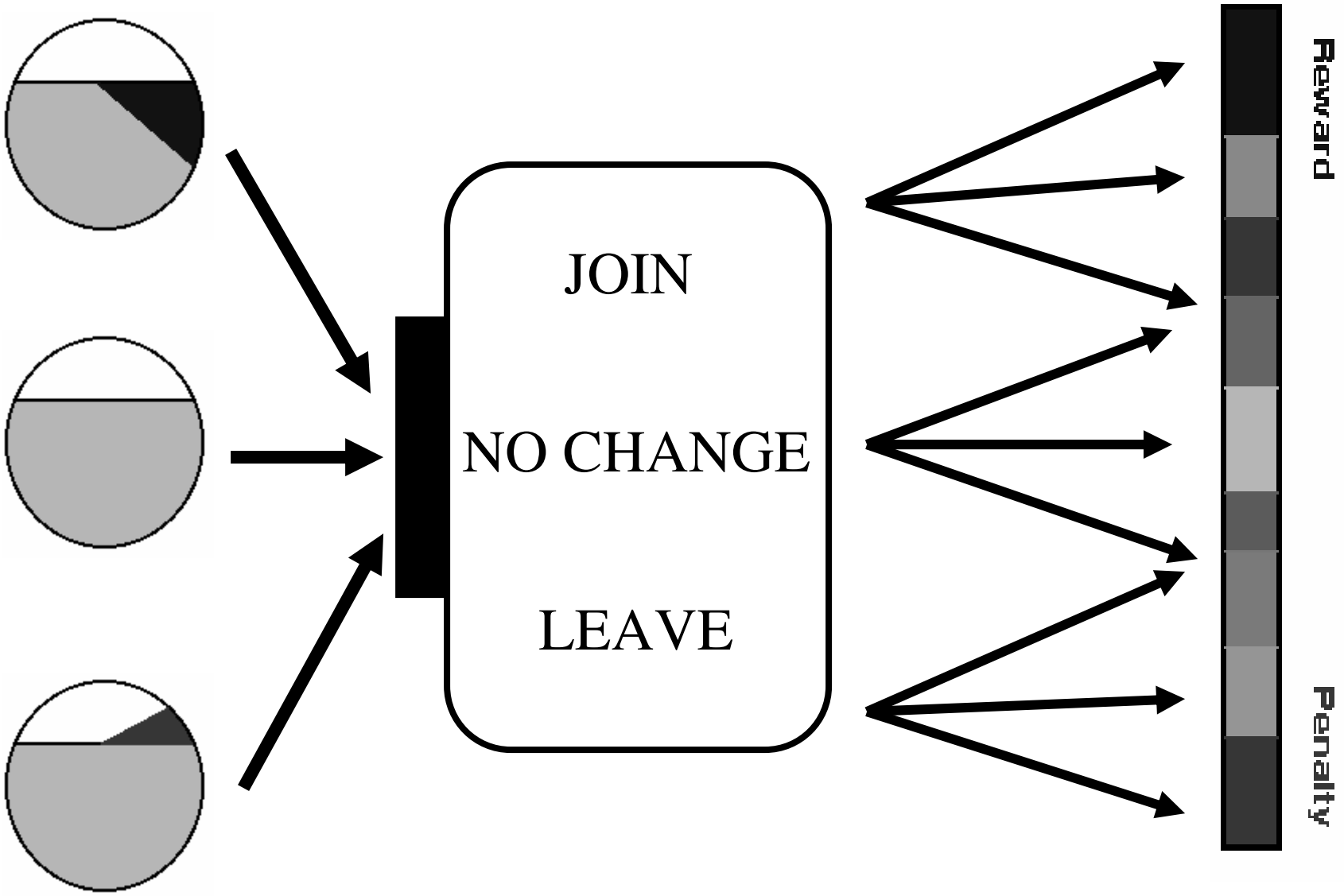
Energy used in each flake

Energy can be surplus
- join new flake

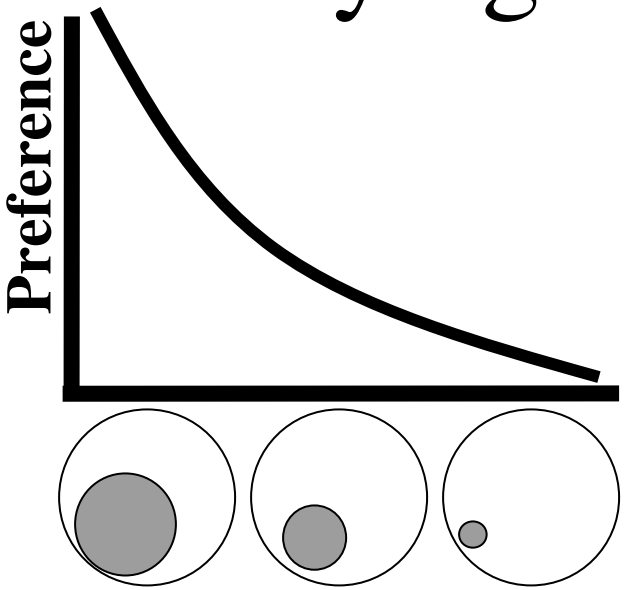
Energy can be deficit
- leave a flake

Energy is ***updated***

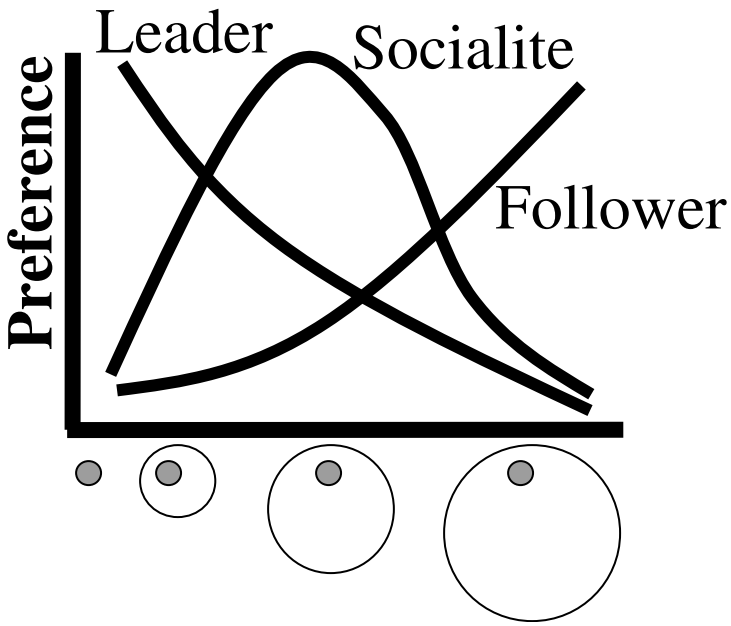
Energy Update



Staying in or Joining a Flake



- Staying
  - **-rank**
  - **-size**
    - **--leader** prefers small
    - **--socialite** prefers medium
    - **--follower** prefers large



- Joining
  - **-reference**
  - **-size**

Desired Outcome

-Individuals act “randomly” according to **probabilistic** *micro-laws*

- stable steady state *macro* (collective) behavior **emerges**.