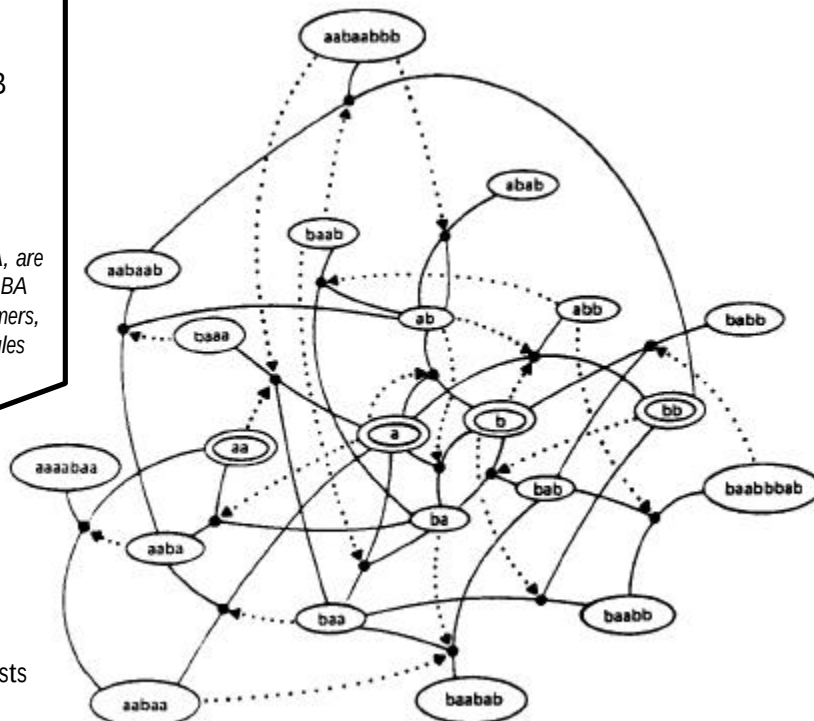


```

graph TD
    A((A)) -- solid --> B((B))
    B -- solid --> A
    A -- solid --> C((C))
    A -. dashed .-> A
    B -. dashed .-> B

```

 = food set
 = other chemical
 = reactions
 = action of catalysts



An autocatalytic set. A typical example of a small autocatalytic set in which food molecules (a, b, aa, bb) are built up into a sustaining network of molecules. The reactions are represented by points connecting larger polymers to their breakdown products. Dotted lines indicate catalysis and point from the catalyst to the reaction being catalyzed.

Figure 1 is a log-log plot showing the relationship between Organic Molecular Diversity (Y-axis, ranging from 10^0 to 10^6) and Bacterial Diversity (X-axis, ranging from 10^0 to 10^6). The plot is divided into two regions: 'Subcritical' (lower left) and 'Supracritical' (upper right). A curve separates the two regions. Arrows indicate 'Speciation & Migration' pointing towards the curve and 'Extinction' pointing away from the curve.