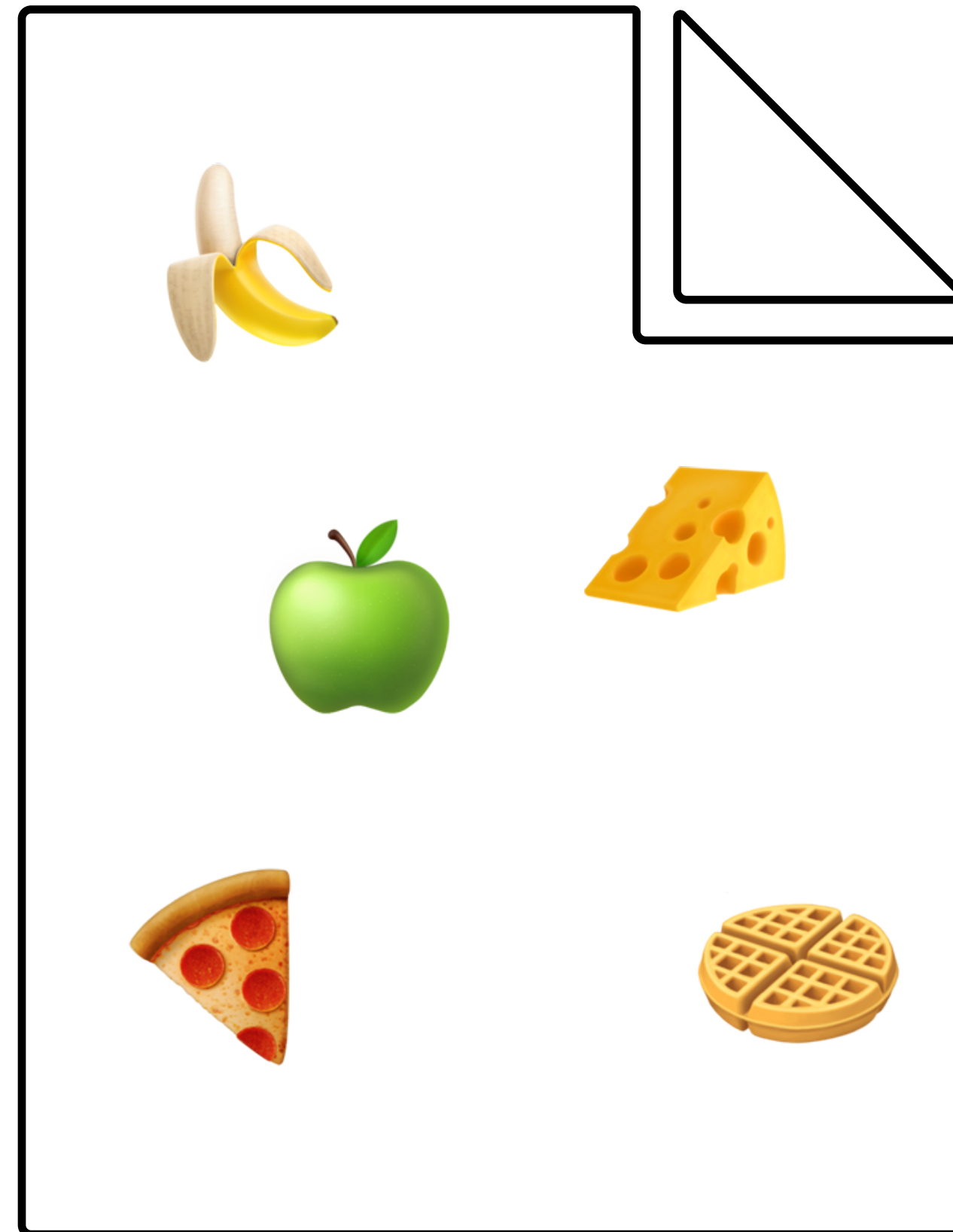


The **G-Set** is a very simple state-based CRDT, where elements can only be added, and *merge* is defined as the union of the sets



- Because *merge* is **commutative**, Stanley and Lily can sync their local states in any order
- Because *merge* is **idempotent**, in the event of a network failure, Stanley and Lily can sync their local states multiple times for the same updates, and still end up with a consistent state