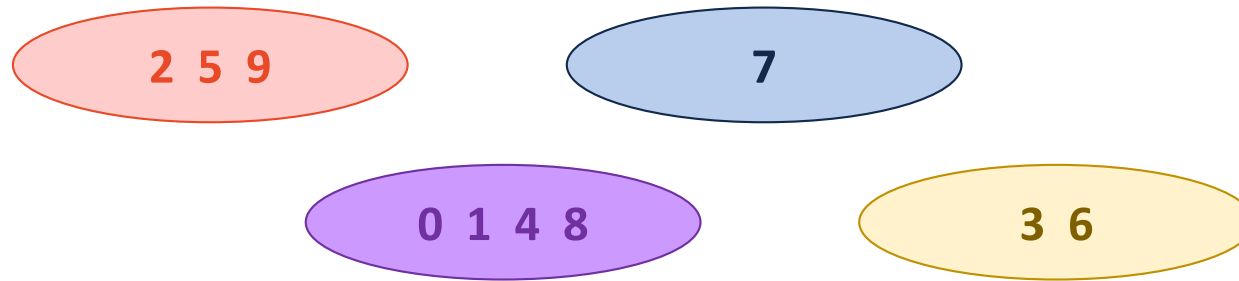


# Disjoint Sets



## Key Ideas:

- Each element exists in exactly one set.
- Every set is an equitant representation.
  - Mathematically:  $4 \in [0]_R \rightarrow 8 \in [0]_R$
  - Programmatically: `find(4) == find(8)`