



Result

We call two sets A, B *disjoint* or *non-overlapping*¹ if $A \cap B = \emptyset$.

Proposition 1. *Suppose A and B are disjoint finite sets. Then $|A \cup B| = |A| + |B|$*

This is often called the *addition principle* or the *rule of sum*.

¹Future sheets may move this definition elsewhere.

