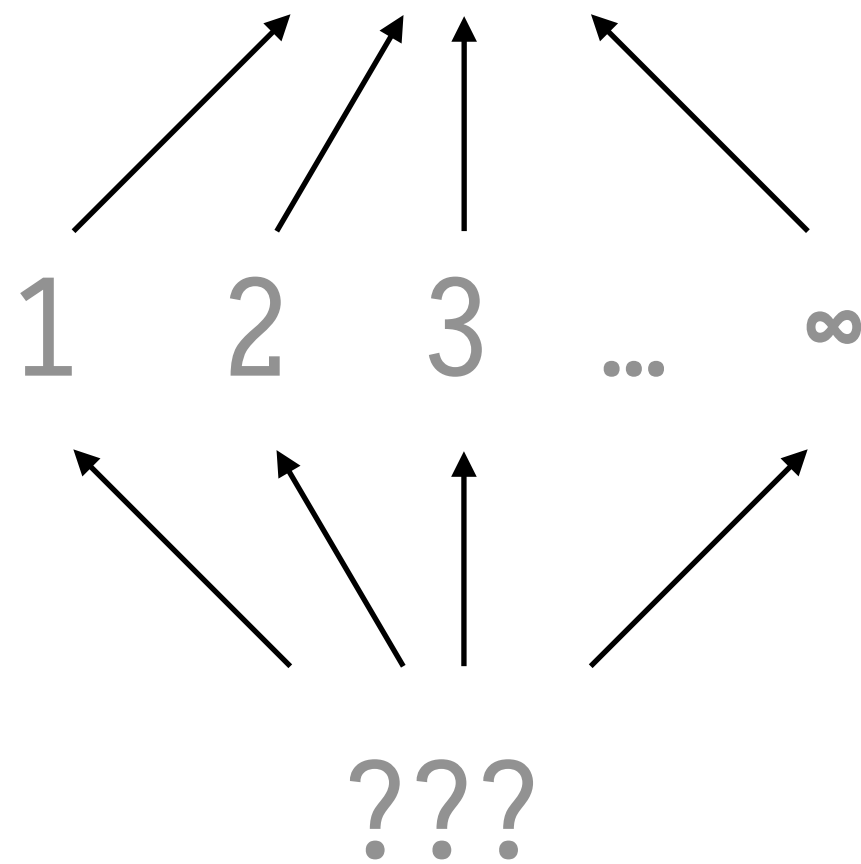


DEFINED

**CONTRADICTION**



# PROVENANCE

- A VALUE WITH A **SET OF AUTHORS** (E.G. TEXT STRINGS)
- JOINING **UNIONS** THE AUTHOR SETS.
- WHAT ABOUT **REDUNDANT AUTHORS**? COMMUTATIVITY?
- HOW DO WE AVOID NOISE?