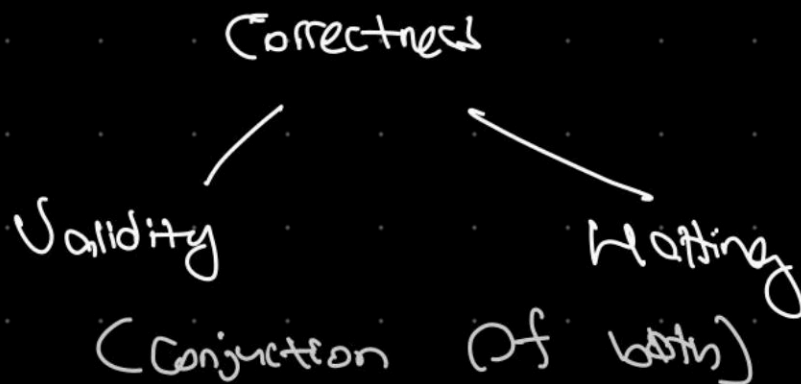


Algorithms

- computational procedure
- processes are finite, but the data does not have an upper bound.

input $\xleftrightarrow{\text{mapped}}$ output

- the input data needs to properly formatted
 - ensures a CORRECT ALGORITHM
- post condition is a logical predicate for the input and output
- **halting**: the algo needs to finish in finite time
 - look into induction proofs



- if the algo has a strong post condition it makes it more useful