

Algorithms

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

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

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

- look into induction proofs

Correctness

Validity

Termination

(Conjunction of both)

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