01.10.15

Propositional calculus notation

* Logic (formal reasoning)
* Sets, Functions and relations (collections, relating objects and sets)
* Nodes and Vertexes (graph is a network)
* Coding and cryptography (encoding, taken in one form, displayed in another)
* Algorithms

How to store data

* Lossless
* Lossy
* Robust
* Extra stuff such as hashing code, parity bit etc
* Larger but ensures completeness
* Proposition – T/F Statement
* Signs
* ^ is **and** (Both parts are true)
* V is **or** (One part is true)
* -> is **implies** (true except when the first part is true and second is false)
* <-> **is if and only if** (true if they are both true or both false)
* **¬** is NOT symbol

Sentence Kinds

* Atomic (no connecters) eg: this is a sentence.
* Compound sentences eg: this is a sentence and it sucks
* Order of precedence - ¬ , ^ , V , -> ,<->