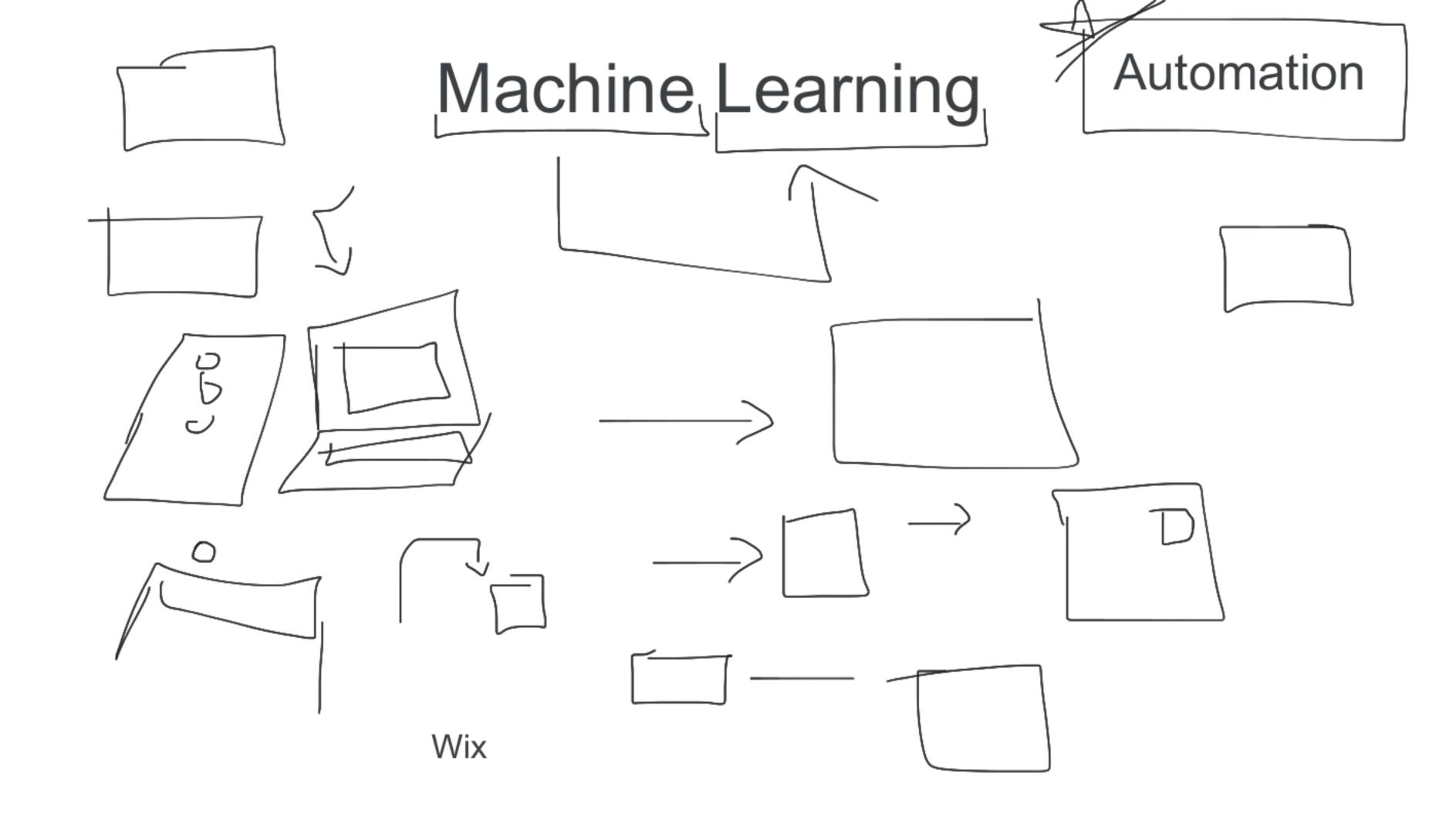
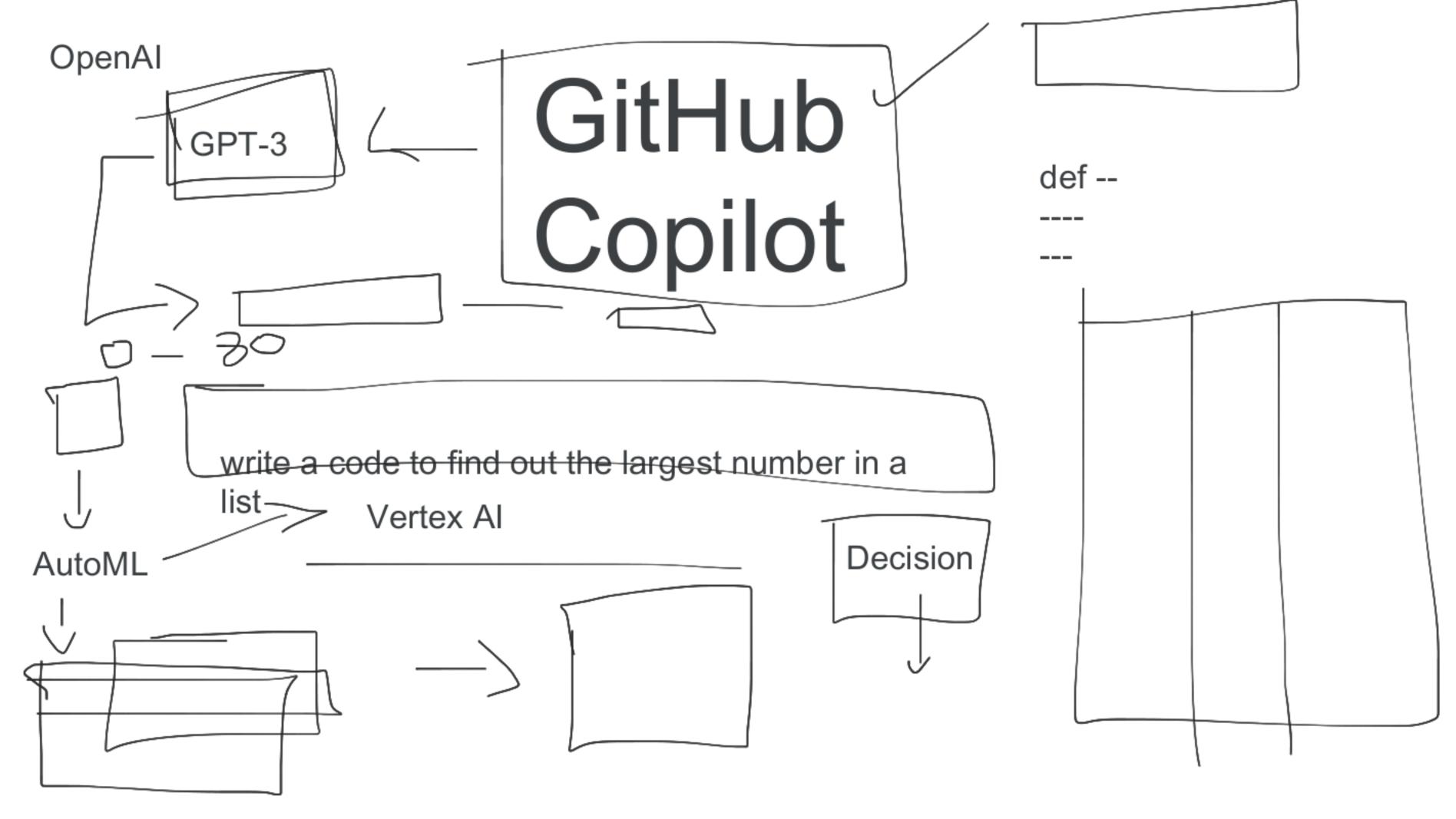
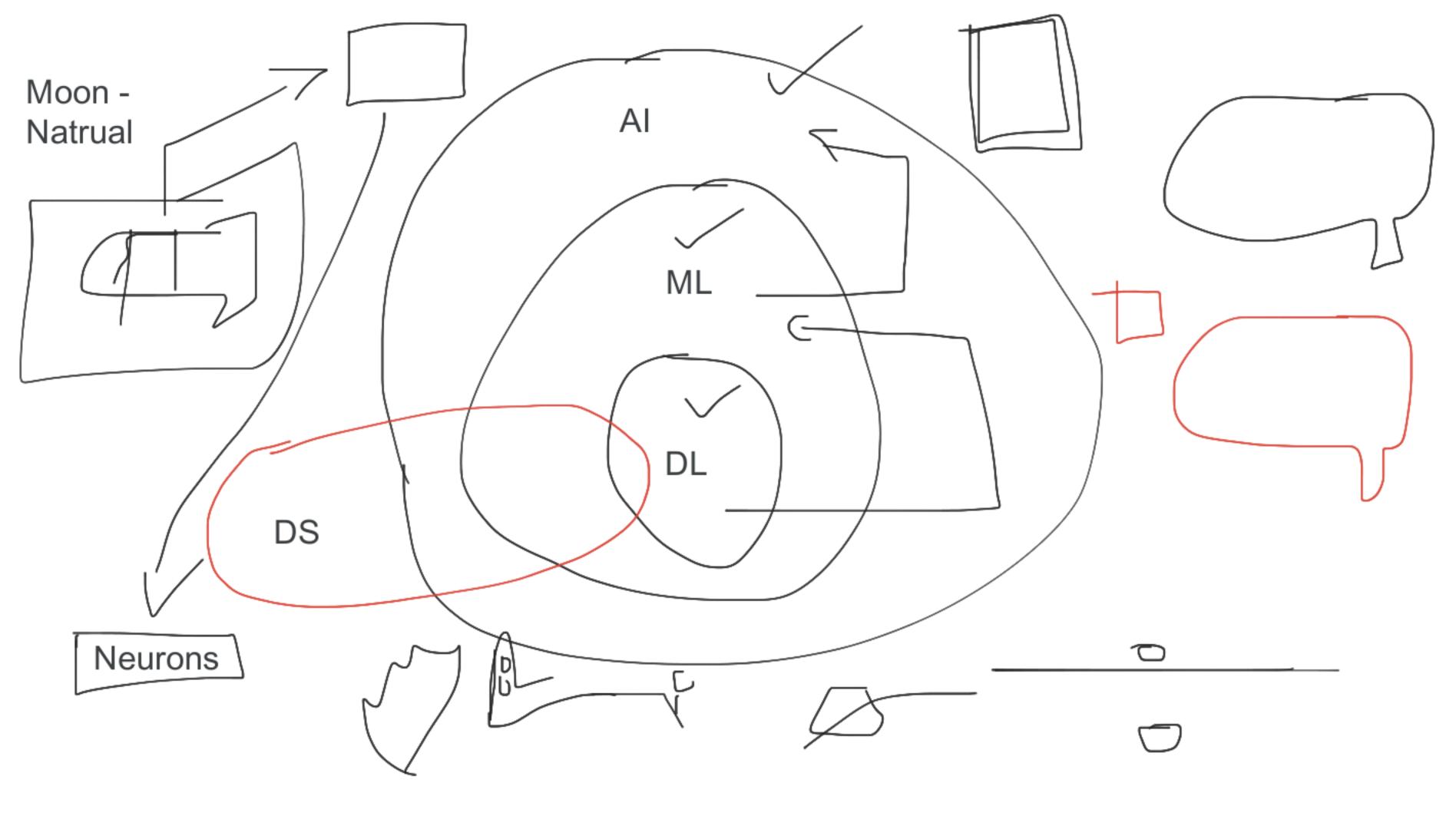
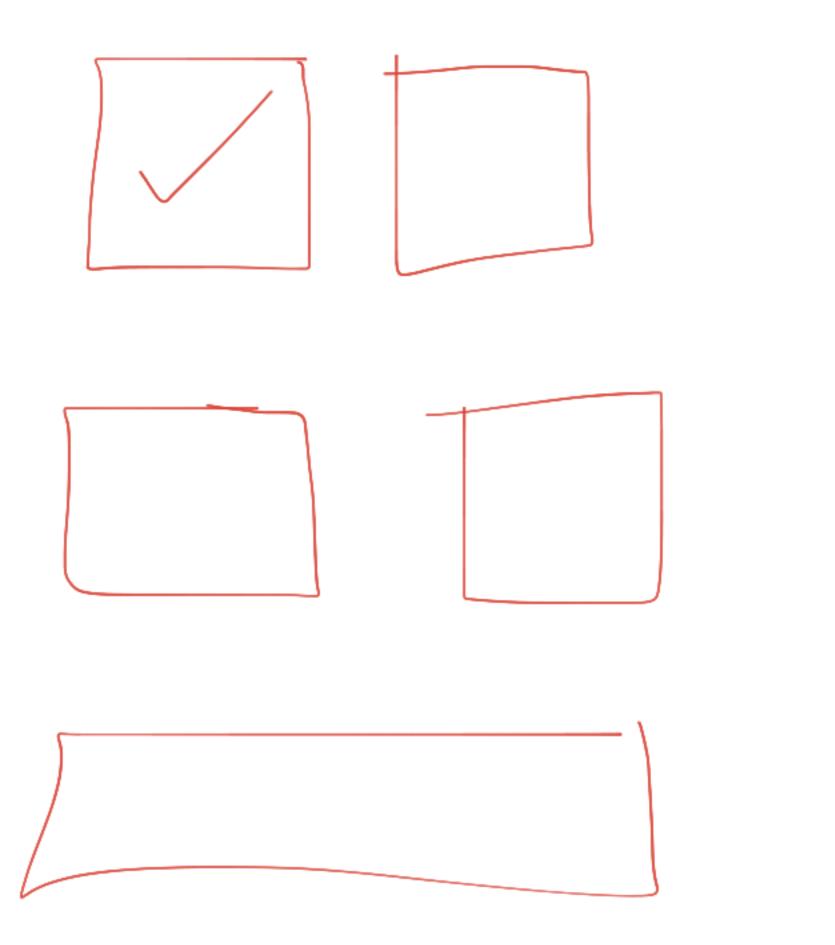
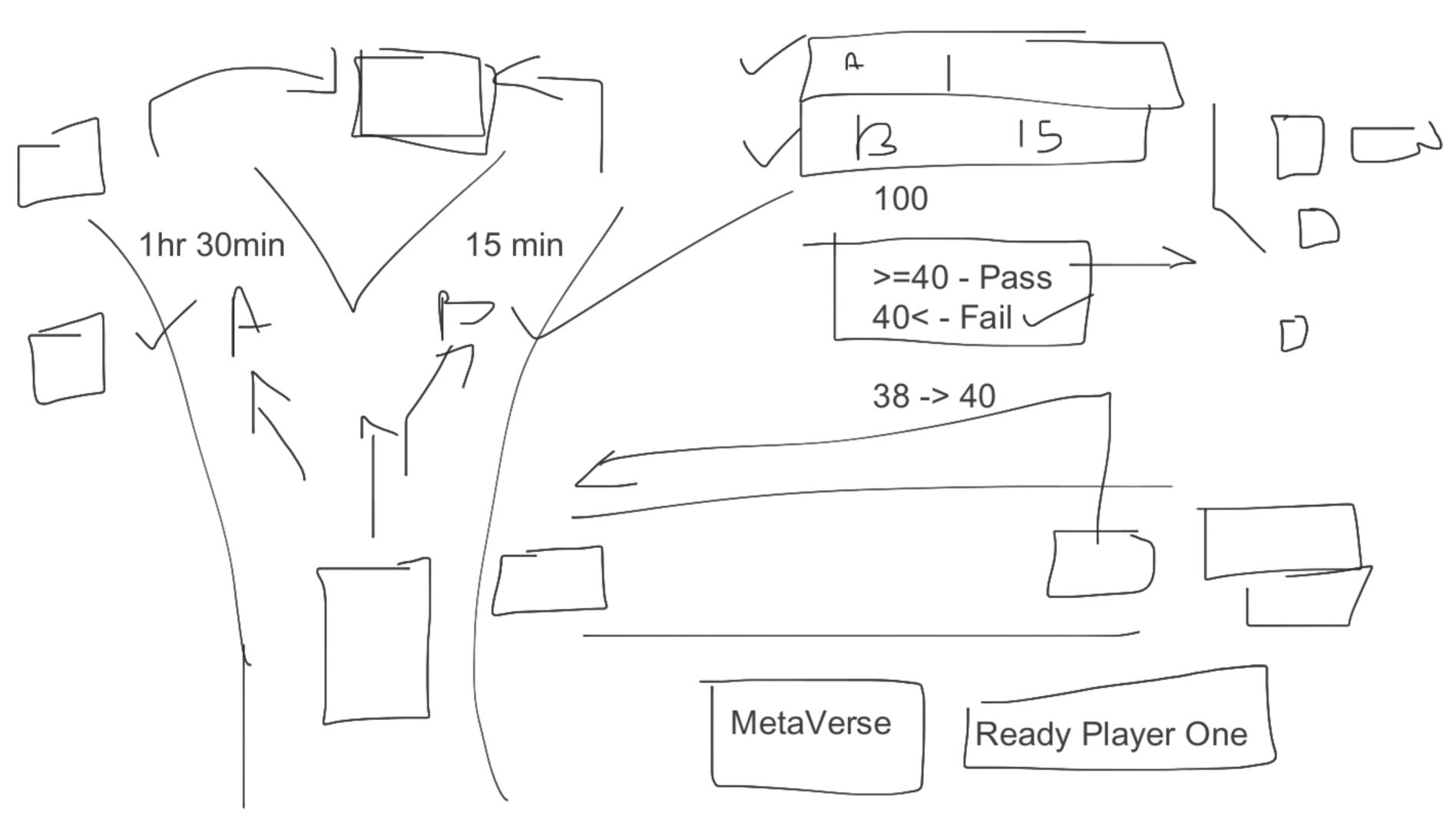
AWS Azure GCP Python
Theory - 90% Practical - 10% Apriori -> R & D

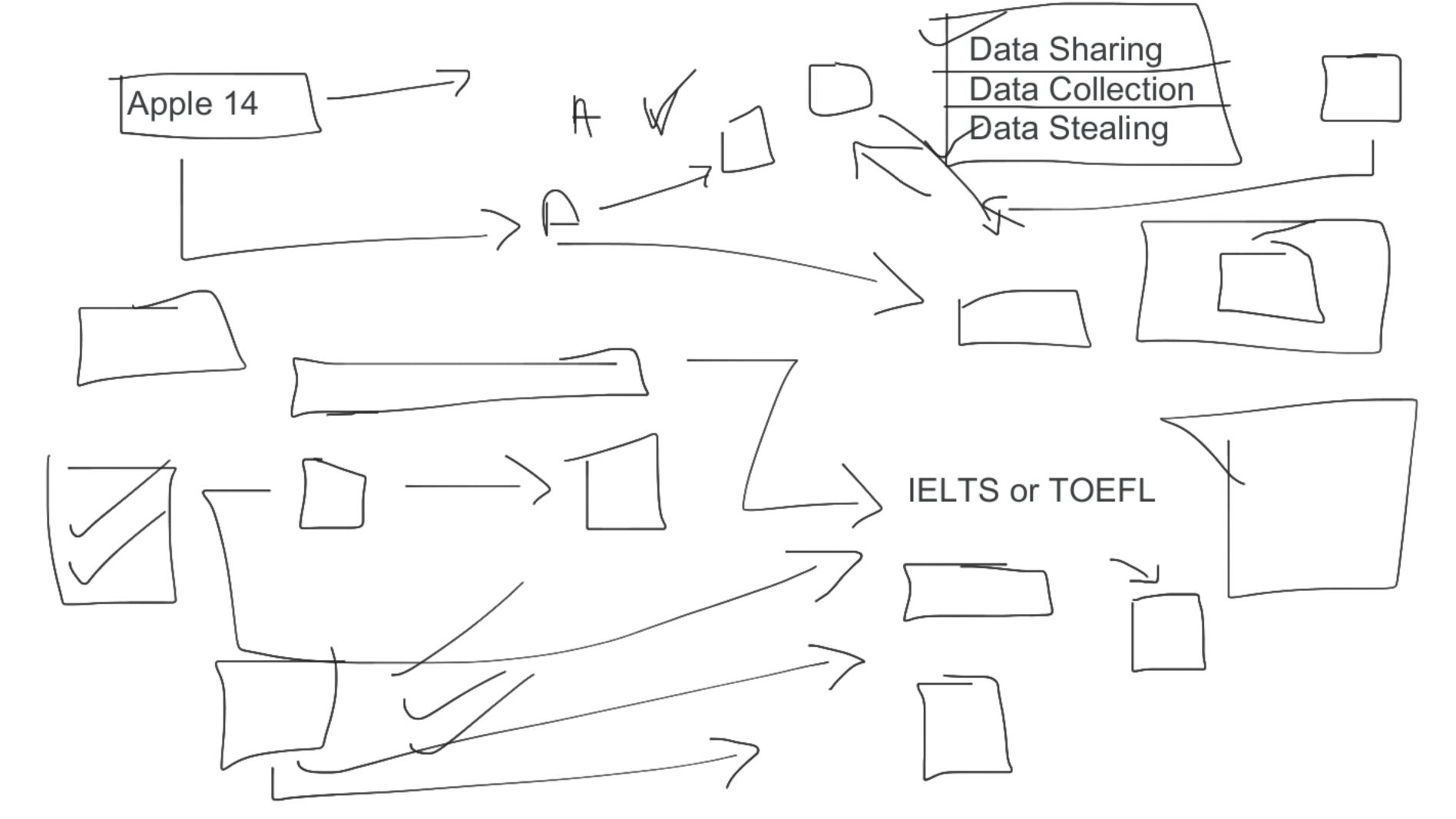


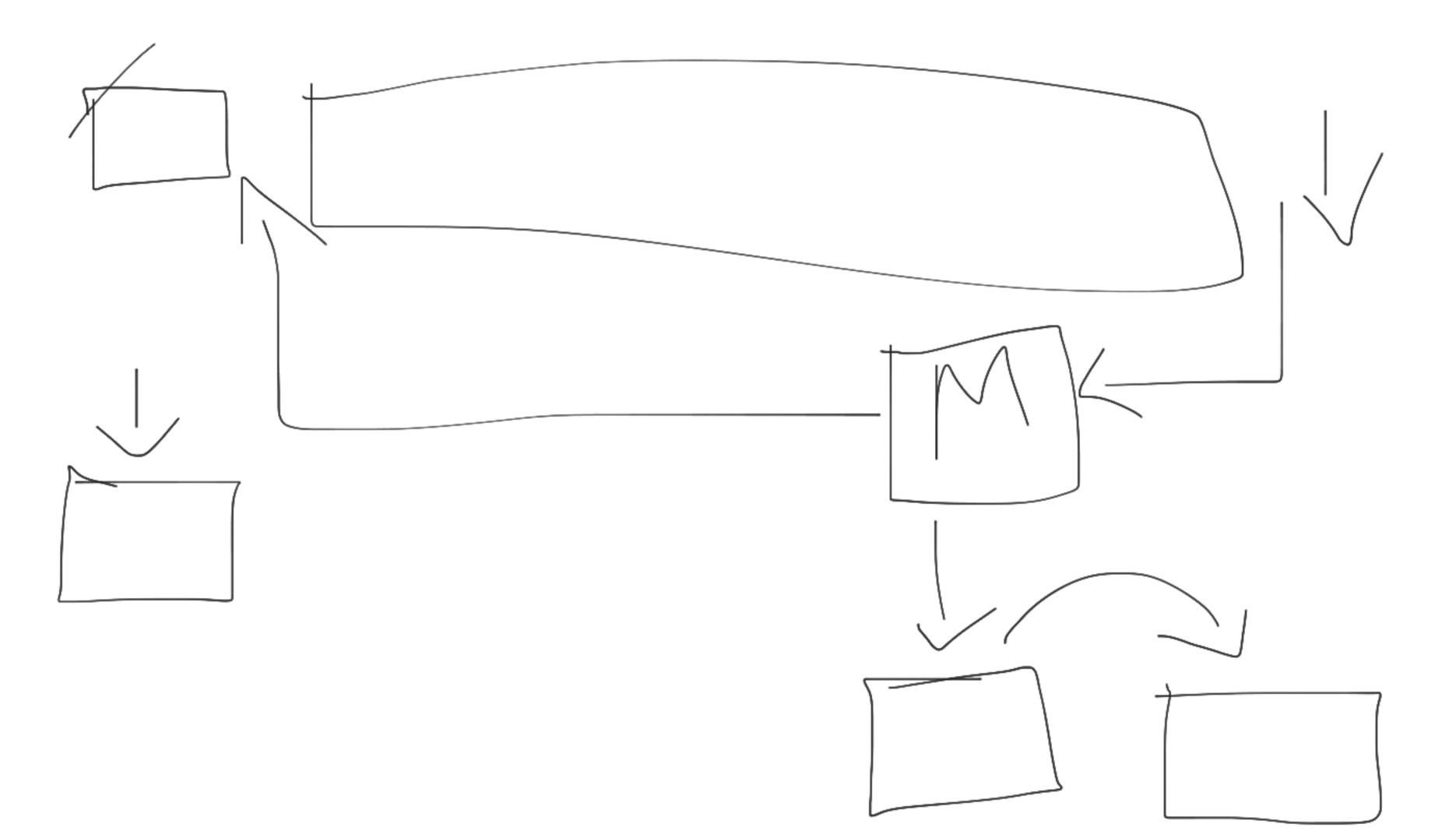


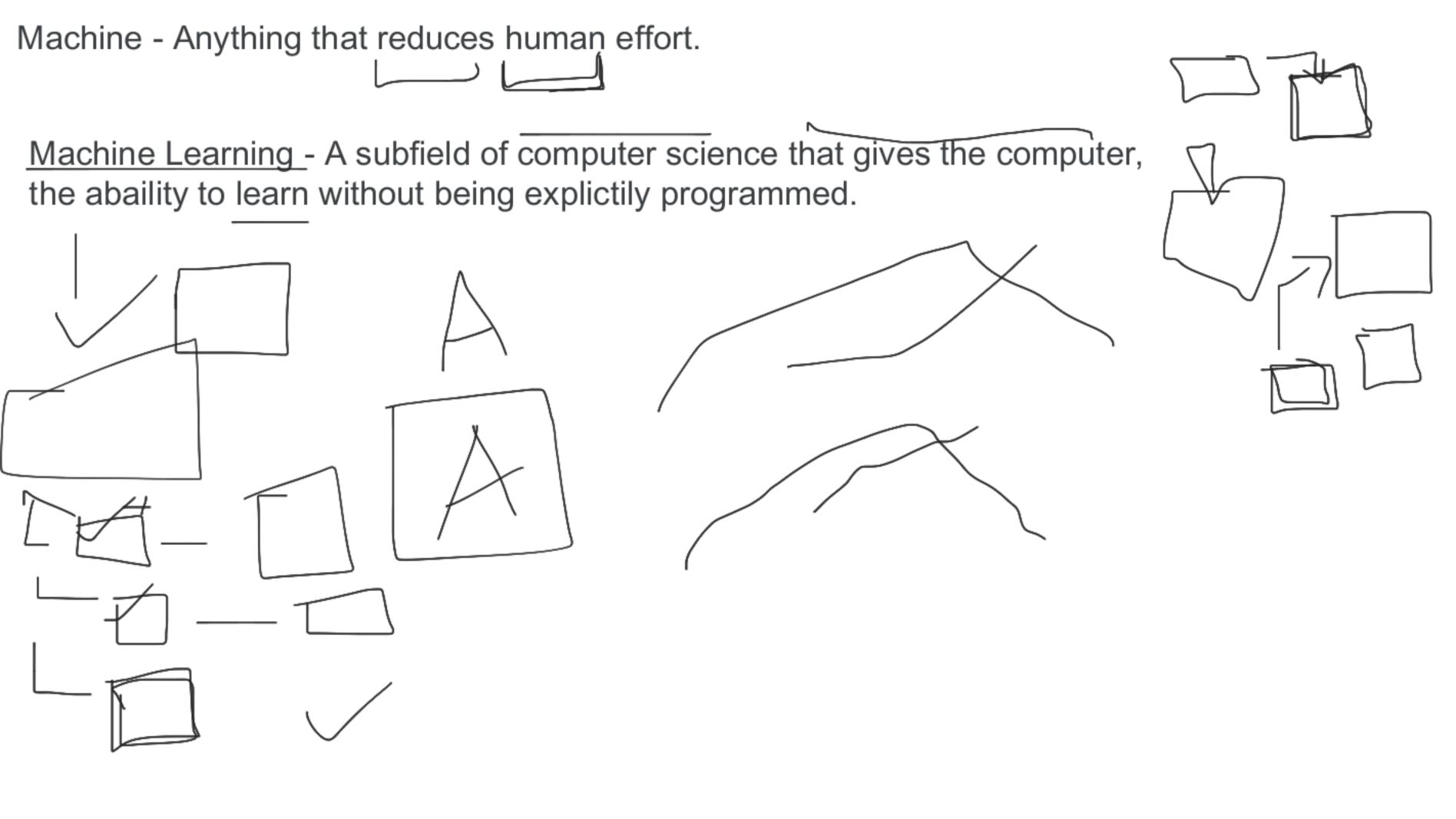


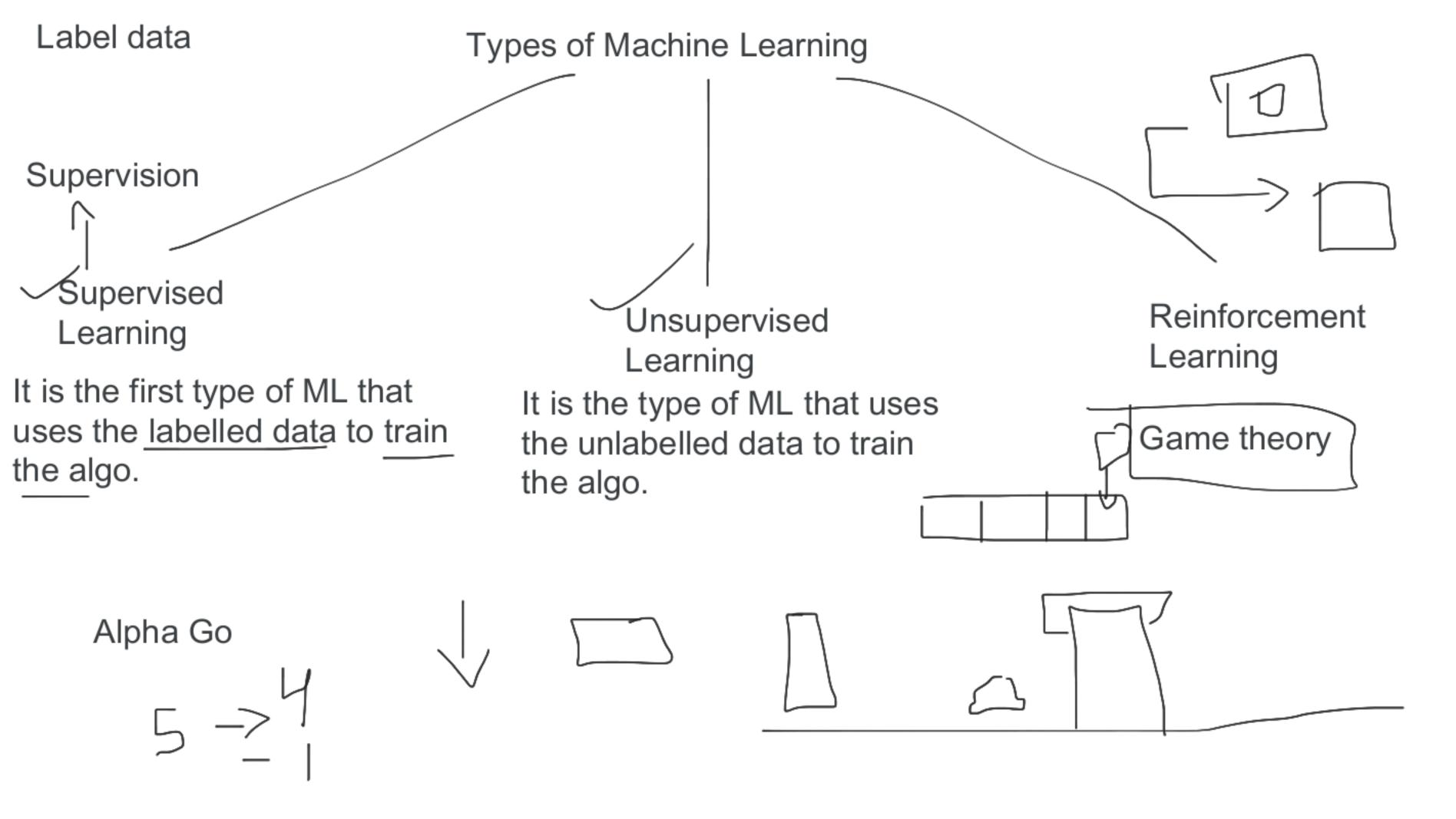


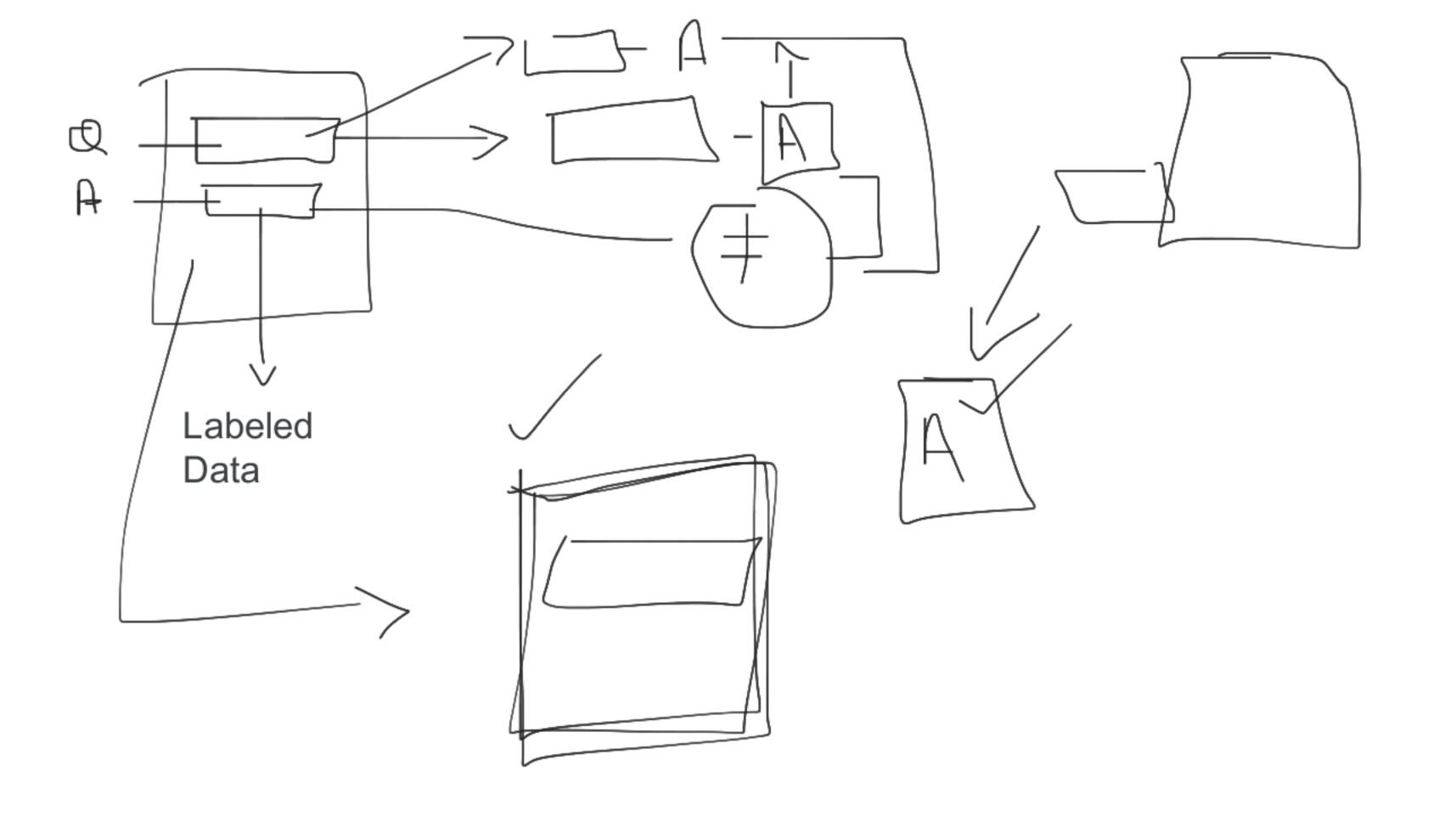












# Lasso & Ridge LR L1 & L2 Regularisation

## Types of Supervised Learning

Java Javascript

Car Carpet

### Regression

When the output is a Discrete or a continuous vale without having any categories.

Relationship b/w two or more variables where a change in one variable is associated with the change in other variable.

Eg.: How much salary will I get?

Predictive Modelling Technique

Input -> Independent Variables -> Features
Output -> Dependent Variables -> Target

- 1. Linear Regression Simple, Multiple, Polynomial
- 2. SVR Support Vector Regressor
- 3. Decision Tree Regressor
- 4. Random Forest Regressor

#### Classification

When the output is categorical.

Eg.: Loan Prediction

- 1. Logistics Regression -> Sigmoid Function
- 2. KNN
- 3. SVM SVC
- 4. Decision Tree Classifier
- 5. Random Forest Classifier
- 6. Naive Bayes Classifier

# Types of Unsupervised Learning

## Clustering

- 1. K-Mean Clustering
- 2. Hierarchical Clustering

#### Association

## Application:

- 1. Market Basket Analysis
- 2. Recommedation System

- 1. Apriori
- 2. Eclat

