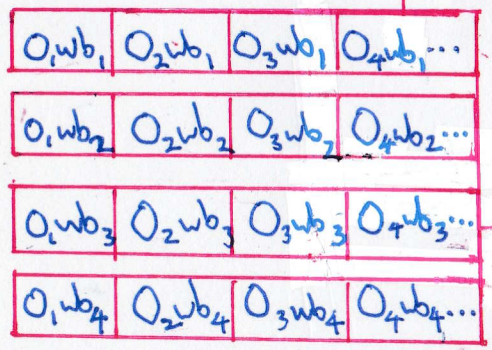
* Weight And Bias when sum up must between [-1..1] or else overflow.

* Output Range [-5..5] NOT [-1..1]

Need to Scale down to [-5.5]
- 1.37
- -1.7
- 2.9
- 2.2

STORE the weights plus bias for each Output.



Sigmoid Activation Function

W_1 x-0.8 b_1 +1

W_2 x0.7 b_2 +(-1.5)

W_3 x-1 b_3 +0.4

W_4 0.78 b_4 +(-0.3)

Discovered Pattern

A

B

C

D

Pattern A sort the largest to lowest Activation

O_{3A} O_{2A} O_{1A}

compare the Largest

Pattern B

O_{5B} O_{1B} O_{2B}

Pattern C

O_{3C} O_{2C} O_{1C}

Pattern D

O_{4D} O_{5D} O_{1D}

From Pattern A to D Sum all the Pattern (Activation) with the same index

$\sum_{i=1}^{n}(O_{3A}\ O_{5B}\ O_{3C}\ O_{4D})$

Aggregate Activation (X axises)

Sum all the stored weight plus Bias

$\sum_{i=1}^{n}(O_1wb_1\ O_2wb_2\ O_3wb_3)$

Combined Discovery Output Pattern

Aggregate weight plus Bias (X axises)