Implementasi Forward Propagation

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In [ ]:
```
#Create FFNN Class, membaca model dari le konfigurasi
#Menampilkan model
#Memprediksi output 1 instance
#Memprediksi output 1 batch
from FFNN import FFNN
print("Hello World")
```

```
Hello World
```

XOR Sigmoid Model

In [ ]:
```
#Membaca Model
ffnn = FFNN("XORRelu.txt")
ffnn.printModel()
```

```
Layer 1:
Fungsi Aktivasi:  RELU
Neuron 1: [0, 1, 1]
Neuron 2: [-1, 1, 1]
Layer 2:
Fungsi Aktivasi:  linear
Neuron 1: [0, 1, -2]
```

In [ ]:
```
#satu instance
ffnn.predict([0,0])
```

Out[ ]:
```
[0]
```

In [ ]:
```
#batch
ffnn.predictBatch([[0,0], [1,1], [1,0], [0,1]])
```

Out[ ]:
```
[[0], [0], [1], [1]]
```

XOR RELU + Linear Model

In [ ]:
```
#Membaca Model
ffnn = FFNN("XORSigmoid.txt")
ffnn.printModel()
```

```
Layer 1:
Fungsi Aktivasi:  sigmoid
Neuron 1: [-10, 20, 20]
Neuron 2: [30, -20, -20]
Layer 2:
Fungsi Aktivasi:  sigmoid
Neuron 1: [-30, 20, 20]
```

In [ ]:
```
#satu instance
ffnn.predict([0,0])
```

Out[ ]:
```
[0]
```

In [ ]:
```
#batch
ffnn.predictBatch([[0,0], [1,1], [1,0], [0,1]])
```

Out[ ]:
```
[[0.0], [0.0], [1.0], [1.0]]
```