

뉴럴네트워크(Neural Network)

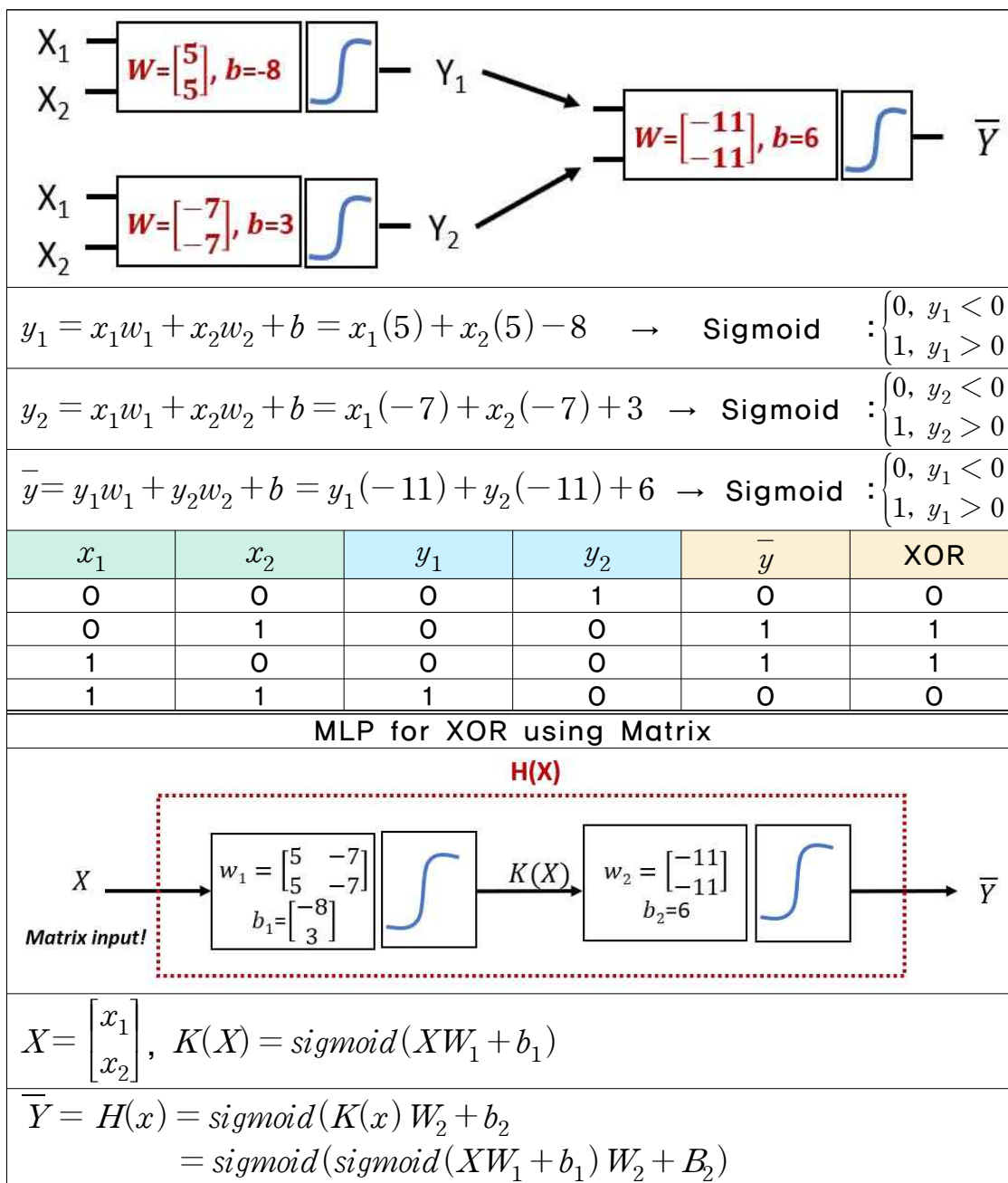
1. Perceptron

One logistic regression unit cannot separate XOR

2. MLP(Multi-Layer Perceptron)

Multiple logistic regression unit can separate XOR

Feed Forward(Forward Propagation)을 통한 XOR 풀이 가능

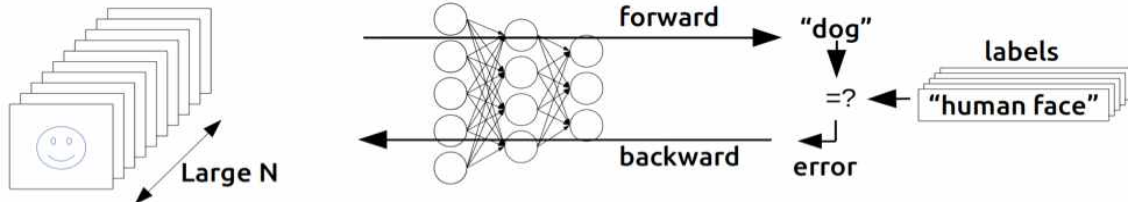


BUT too complicated to apply GD for finding optimal parameters

3. Backpropagation

- 1) W , b 초기화
- 2) Forward 계산 & Error 측정
- 3) Error 값을 Backward 하면서 W , b 갱신(error를 최소화하는 방향)

Training



Inference

