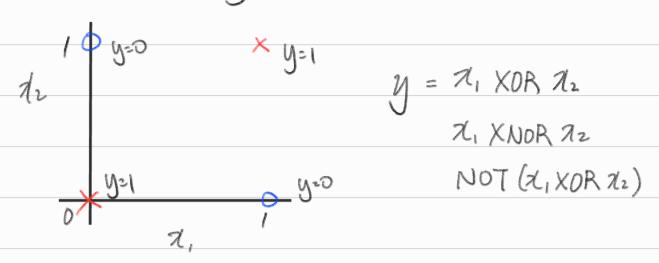
Examples and Intuitions

Non-linear classification example: XOR/XNOR 1, 1/2 are binary (0,1)

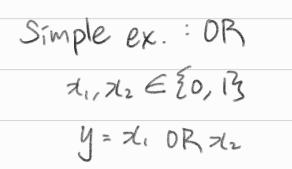


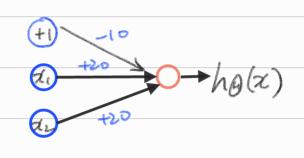
Simple ex.: AND

$$\lambda_1, \lambda_2 \in \{0, 1\}$$
 $y = \lambda_1 \text{ AND } \lambda_2$
 $\lambda_1 + \lambda_2 = \{0, 1\}$
 $\lambda_1 + \lambda_2 = \{0, 1\}$

 $h_{\theta}(x) = g(-30 + 20 \cdot x_1 + 20 \cdot x_2)$ $\theta_{10}^{(1)} \theta_{11}^{(1)} \theta_{12}^{(1)}$

え,	Xz	ho(2)
0	0	9(-30) → 0
D	/	g(-10) -> 0
/	0	9(-10) -> 0
/	1	9(10) > 1





$$h_{B(a)} = g(-10 + 20 \cdot x_1 + 20 \cdot x_2)$$

_	え,	Xz	ho(2)
	0	0	9(-10) → 0
	0	/	$g(10) \rightarrow 1$
		0	9(10) >1
		/	9(30) >1

Negation: NOTX,

$$h_{\Omega}(x) = 10 - 20 \cdot \pi, \qquad h_{\Omega}(x)$$

$$h_{\Omega}(x) = 10 - 20 \cdot \pi, \qquad 0 \qquad g(10) \rightarrow 1$$

$$1 \qquad g(10) \rightarrow 0$$

layer 75%, deeper layers
Compute more complex features

Multiclass Classification

one-us-all 화장

47/2) 7/E1221- Pedestrian, Car, Motorcycle, Truck
hobber ERY

- O Pedestiian [8]
- O Car
- O Motorcycle [?]
- O Truck [;]