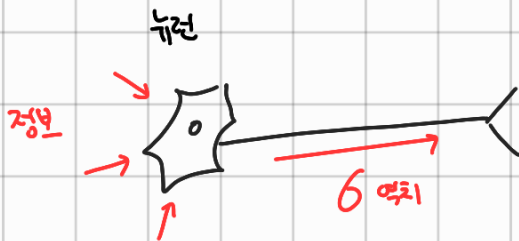
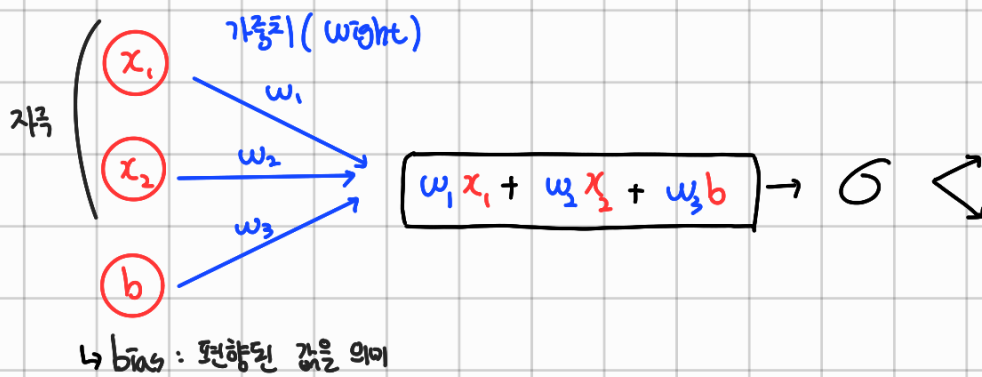


• 12강 퍼셉트론

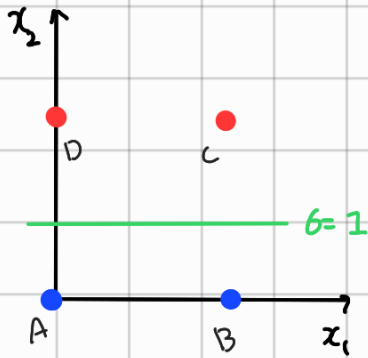
- 퍼셉트론: 인간의 신경을 모델링한 것



어떤 역치값이 들어오면 \hookrightarrow threshold
값을 전달함.
활성화하고
Yes or No 판단.



- 단층 퍼셉트론



가중치들

$$\begin{cases} w_1 = 1 \\ w_2 = 2 \\ w_3 = -0.5 \\ b = 1 \end{cases}$$

A: $w_1 x_1 + w_2 x_2 + w_3 b = -0.5$

B: $w_1 x_1 + w_2 x_2 + w_3 b = 0.5$

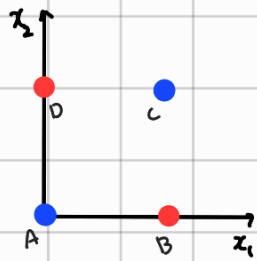
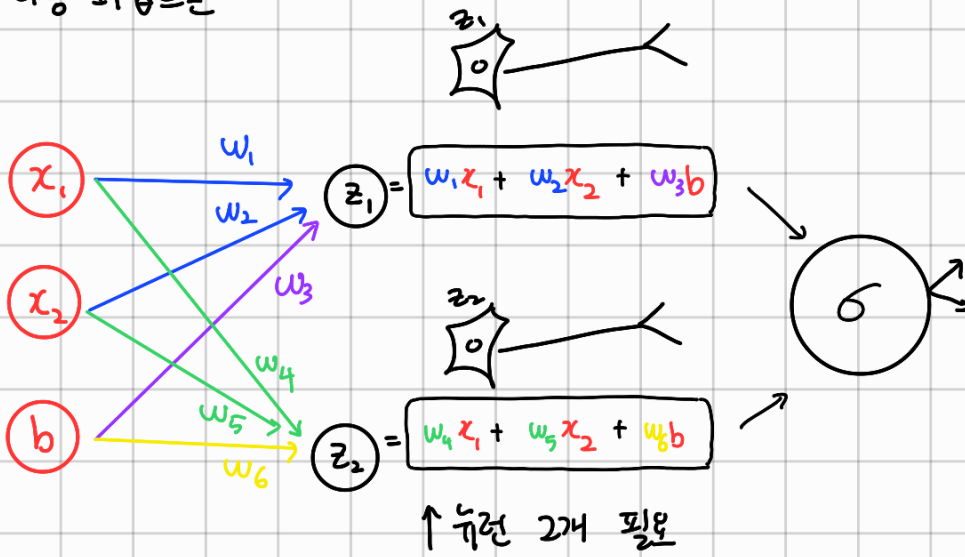
C: $w_1 x_1 + w_2 x_2 + w_3 b = 2.5$

D: $w_1 x_1 + w_2 x_2 + w_3 b = 1.5$

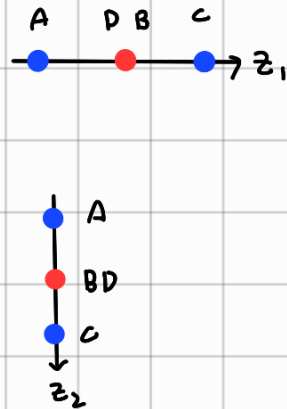
↑ 1보다 작음
< 1
↓ 1보다 커

$b = 1$. // 역치값은 1이 됨

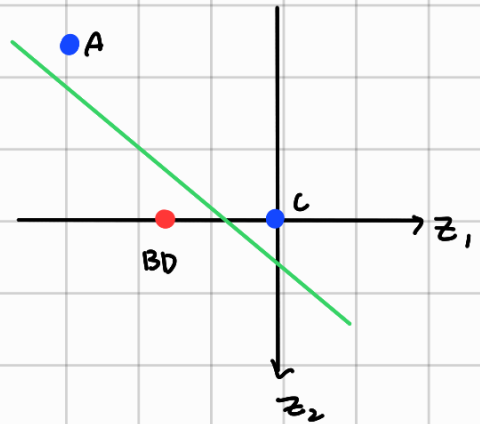
- 다중 퍼셉트론



\Rightarrow



\Rightarrow



퍼셉트론을 1개만 사용하려면

나눌 수 없거나 2개 쓰는 공간

나눌 수 있어짐