

$$W^T x + b = [b, w]^T [1, x] \quad (\text{page 8})$$

↳ bias term

$$W^T x = y$$

$$\downarrow$$

$$\begin{bmatrix} \pm 1 \\ \pm 1 \\ \vdots \\ \pm 1 \end{bmatrix}$$

$$\text{sign}(W^T x) = y$$



whether it could shatter x
if

for any y can find x .

\Rightarrow shatter!