$W^T x + b = [b, w]^T [1, x]$ (page 8)
        └ bias term

$W^T x = y$

$\downarrow$

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

$sign(W^T x) = y$

$\downarrow$

whether it could shatter x

if

for any y can find X.

$\Rightarrow$ shatter!