

$w x + b$

IF $\textcircled{?} = \textcircled{1}$, NO ERROR
NO ADJUST.

IF $\textcircled{?} = \textcircled{0}$, NEGATIVE ERROR
NEGATIVE ADJUST.

$\textcircled{0}$

$\textcircled{0}$

$\textcircled{0}$

$\textcircled{0}$

w is the slope of the line

b

adjustment
(negative)

$\textcircled{?}$ new
point

$\textcircled{1}$

$\textcircled{1}$

$\textcircled{1}$

x

