

$f(x)$  Feedback Network Back Propagation  $X \xrightarrow{f} Y$   $X$   $Y$

$$Y = Wx + b \quad X \rightarrow Y \quad W, b$$

$$+$$

$$X \rightarrow Y \quad + \quad \frac{1}{2}$$

[H] [width=height=2.4in]pic/nn.png

[H] [width=2.3in]pic/bp.png  
Feedback Network Back Propagation