MI.

['pretty', 'pood', 'bad', 'plot', 'not', 's cenery'].

\[\mathcal{U}_1, \ \mathcal{U}_2 \ \mathcal{U}_3 \ \mathcal{U}_4 \ \mathcal{U}_5 \ \mathcal{U}_6 \]

W=[0,0,0,0,0], X=0,5.

 $x_1: O \text{ priently band.} \rightarrow \phi(x_i) = [1,0,1,0,0,0]$ $x_2: O \text{ priently band.} \rightarrow \phi(x_2) = [0,1,0,1,0,0]$ $x_3: O \text{ nest good.} \rightarrow \phi(x_3) = [0,1,0,0,1,0]$ $x_4: O \text{ priently band.} \rightarrow \phi(x_3) = [0,1,0,0,0,1]$

 $k_1 = \text{dot}(W, \Phi(x_1) = [0,0,0,0,0] \cdot [10,1,0,0,0] = 0.$ $k_1 = \text{Sigmord}(k_1) = [0,5].$ $k_2 = W - \chi(W_1 - y_1) \cdot \Phi(x_1)$ $= [0,0,0,0,0] - 0, \chi([10,1,0,0,0] = [-0,>5,0,-0,25,0,0] \cdot [10,1,0,0,0] = [-0,>5,0,-0,25,0,0] \cdot [10,1,0,0,0] \cdot [10,1,0,0] \cdot [10,1,0,0,0] \cdot [10,1,0,0] \cdot [10,1,0,0,0] \cdot [10,1,0,0] \cdot [10,1,0] \cdot [10,1,0]$

 $kz = W \cdot A(X_{2}) = D$ $hz = Symord(0) = \frac{1}{2}$ $W = W - \lambda(hz - 4z) P(X_{2})$ = [-0.5, 0, -0.5, 0.0, 0] + 0.5[0.1, 0.1, 0, 0] = [-0.5, 0, 5, -0.5, 0.0, 0] + 0.5[0.1, 0.1, 0, 0]

$$k_{3} = W \cdot \phi(X_{3}) = [-0.5, +0.5, -0.5, 0.5, 0.0].$$

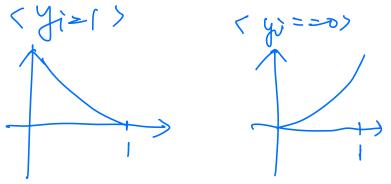
$$[0_{1}, 0_{1}, 0_{1}, 0_{1}] = 0.55$$

$$[1_{3} = 5igmoid(0.5) = (-0.5) = 0.56217$$

$$[1_{4} = x) = 0.56217$$

$$[1_{4} = x) = 0.56217 =$$

$$\begin{aligned}
\Omega &= W - \lambda (N_3 - f_3) \Phi(X_3) & o_{,28} \\
&= [-o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,0}] - o_{,5} (0.56217 - 0) [0,1,0,0,1,0] \\
&= [-o_{,1}x_{,0}, o_{,0}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}] - o_{,28} [0,0] \times \\
&= [-o_{,1}x_{,0}, o_{,0}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}] \times \\
&= [-o_{,1}x_{,0}, o_{,2}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}] \times \\
&= [-o_{,1}x_{,0}, o_{,2}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}] \times \\
&= [-o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}] \times \\
&= [-o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}] \times \\
&= [-o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}] \times \\
&= [-o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}x_{,0}] \times \\
&= [-o_{,1}x_{,0}, o_{,1}x_{,0}, o_{,1}$$



$$K_{A} = 10.4(X_{A}) = [-0.15, -0.031, -0.15, 0.15, -0.281, 0]$$
 $[-0.15, -0.031, -0.15, 0.15, -0.281, 0]$

$$W = W - \lambda \left(\frac{h_4 - y_{eq}}{h_4 - y_{eq}} \right) + \left(\frac{h_4 - y_{eq}}{h$$

$$\begin{aligned}
&M \ge \\
&L(y,h) = -\left[y\log_h + (r-y)\log_l(r-h)\right] \\
&Goal > \frac{dL}{dW} = \frac{dL}{dW} \times \frac{dh}{dW} \times \frac{dk}{dW} \\
&\frac{dL}{dW} = -\left[\frac{y}{w} + (r-y)\frac{-1}{1-h}\right] \\
&\frac{dh}{dK} = \frac{d}{dK}\left(\frac{1}{1+e^k}\right) = -\left(\frac{1+e^k}{1+e^k}\right) = \frac{e^{-L}}{(1+e^k)^2} = \frac{e^{-L}}{(1+e^k$$

$$= (-y+yh+h-yh)\phi(x)$$

$$= Ch-y)\phi(x)$$