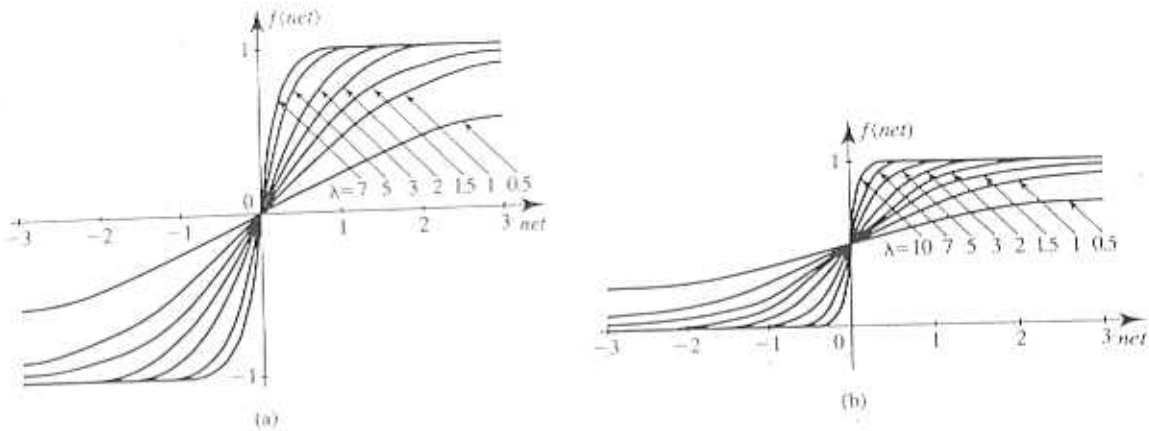


Figure 2.5 Activation functions of a neuron: (a) bipolar continuous and (b) unipolar continuous.

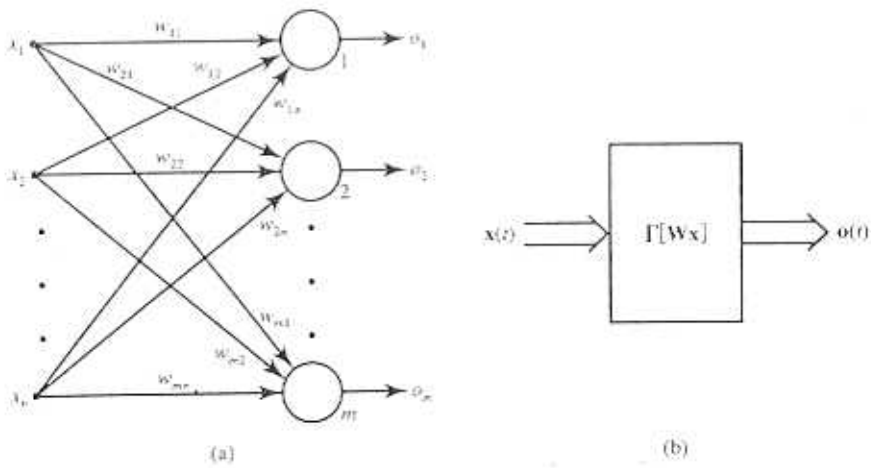
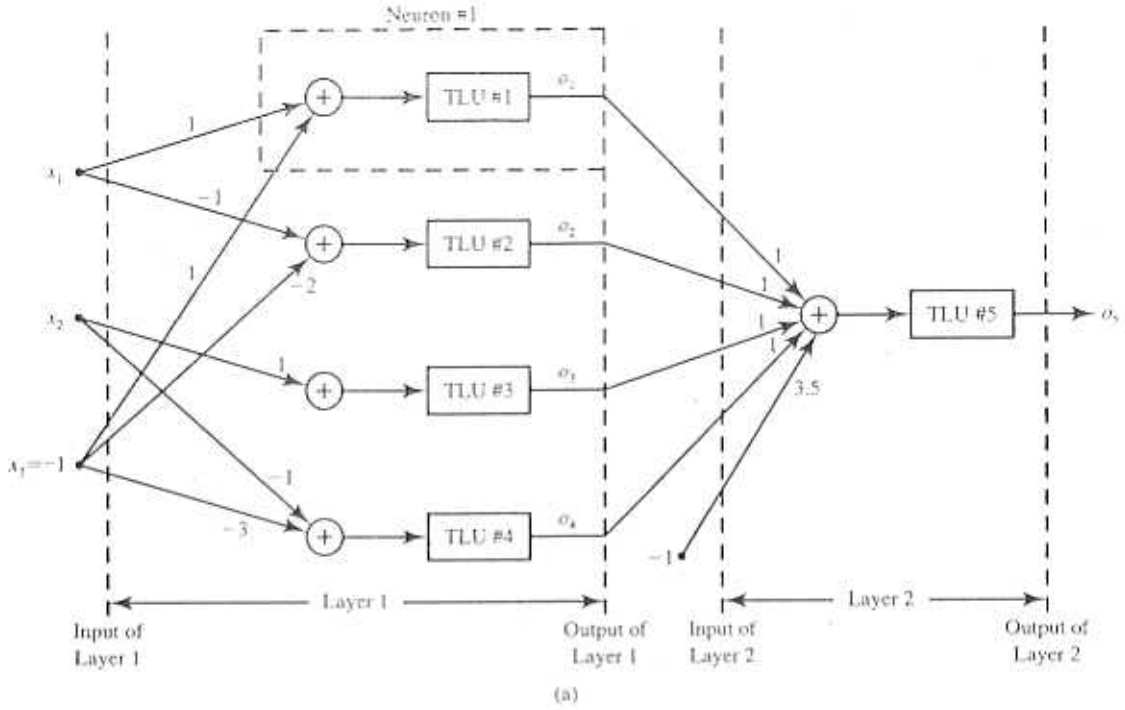
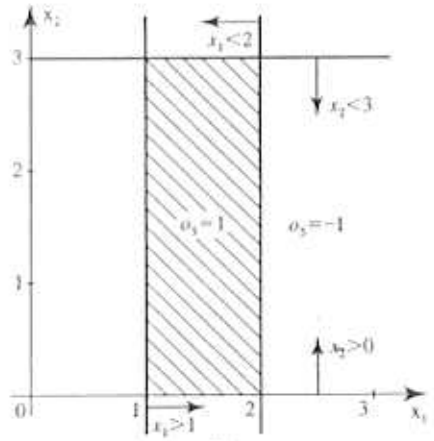


Figure 2.8 Single-layer feedforward network: (a) interconnection scheme and (b) block diagram.

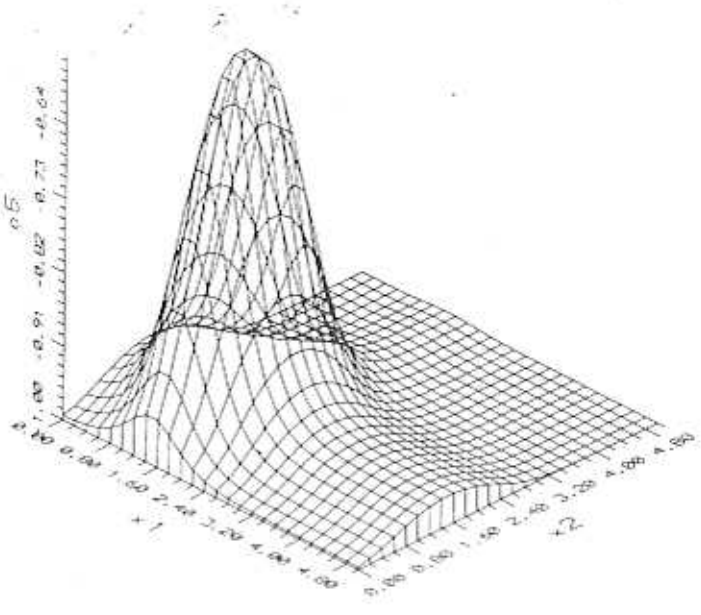


(a)



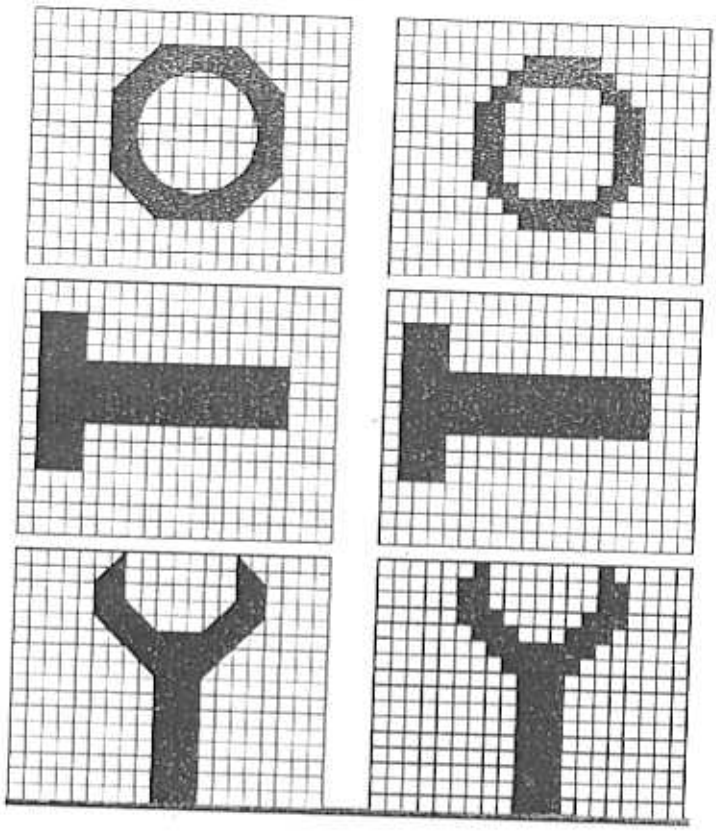
(b)

Figure 2.9a,b Example of two-layer feedforward network: (a) diagram and (b) two-dimensional space mapping (discrete activation function).



(c)

Figure 2.9c Example of two-layer feedforward network *(continued)*: (c) two-dimensional space mapping (continuous activation function, $\lambda = 2.5$).



(a) (b)

Figure 1.7 Memory network applications: (a) images of three mechanical parts and (b) images converted to bit-map forms.

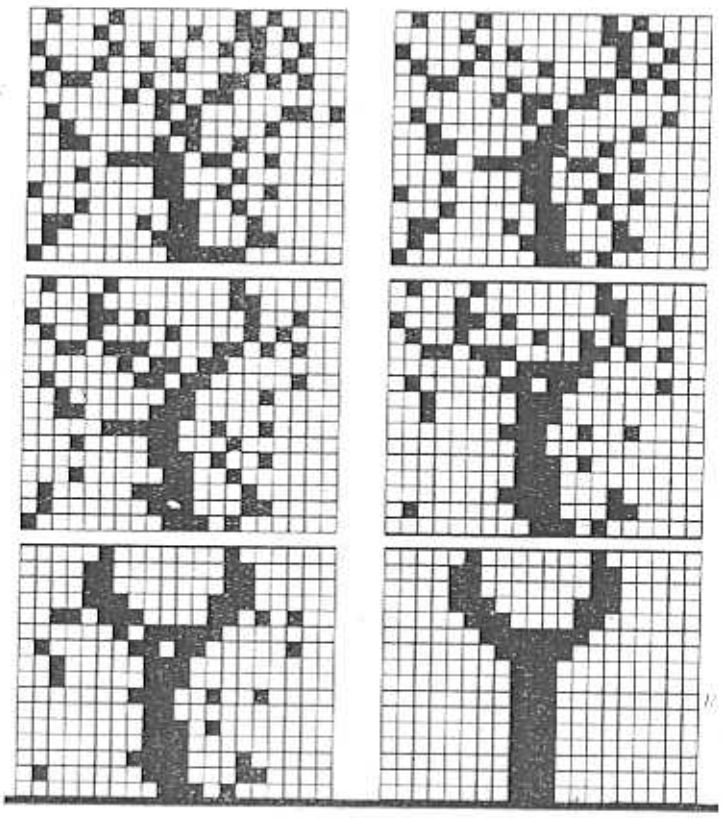


Figure 1.8 Restoration of the wrench image.

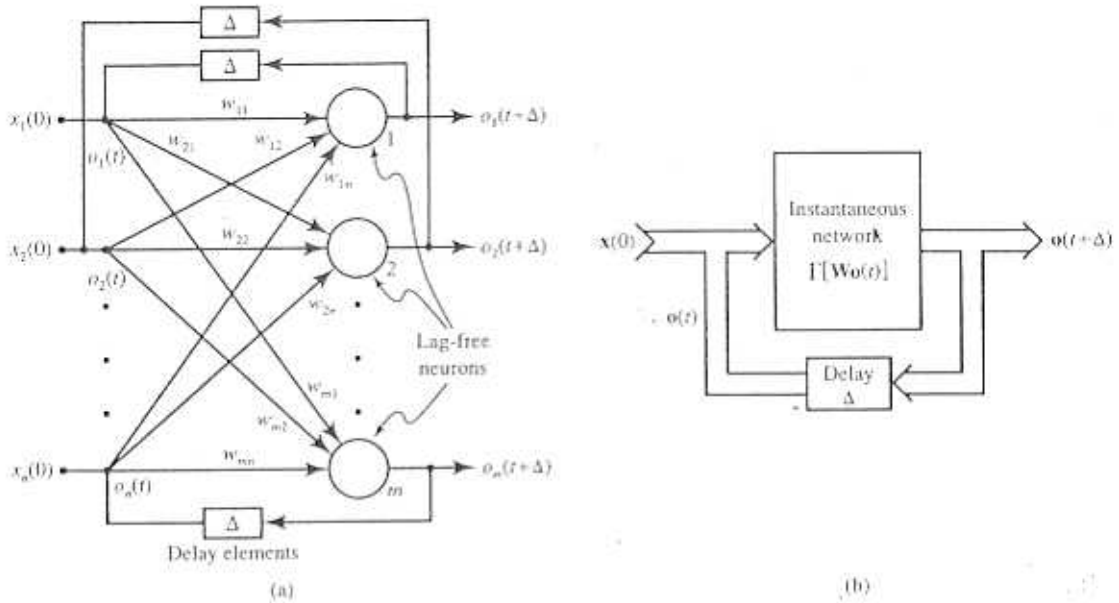
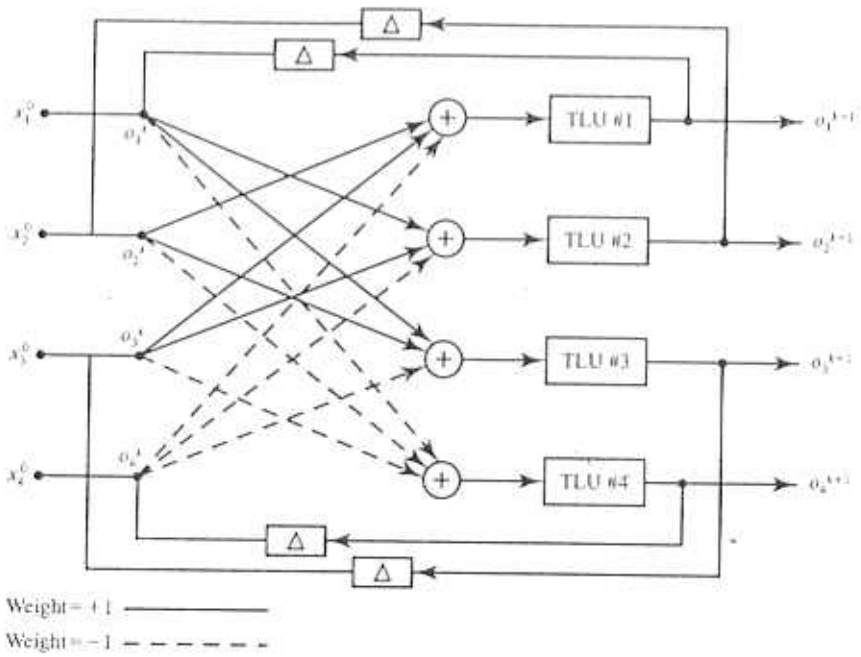


Figure 2.10 Single-layer discrete-time feedback network: (a) interconnection scheme and (b) block diagram.



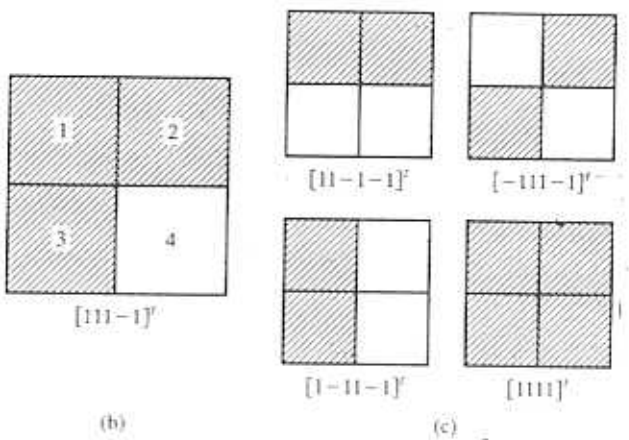
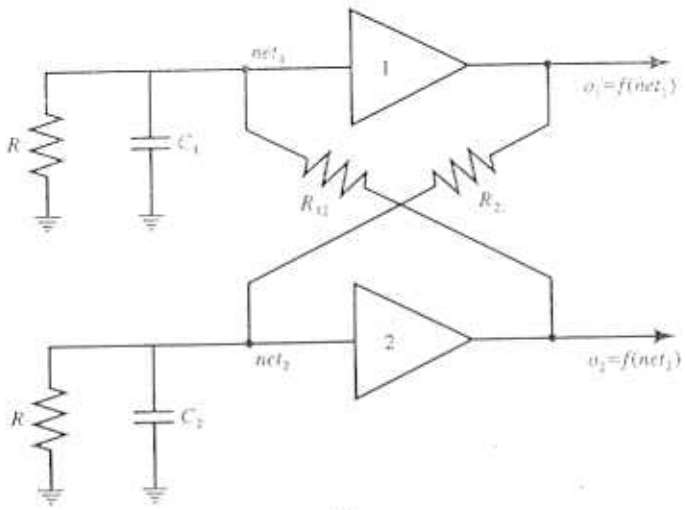


Figure 2.12 Recurrent network for two-equilibrium state diagram of Figure 2.11: (a) diagram, (b) bit map of equilibrium state vector $\mathbf{o}_1$, and (c) example bit maps that converge to the bit map of part (b).



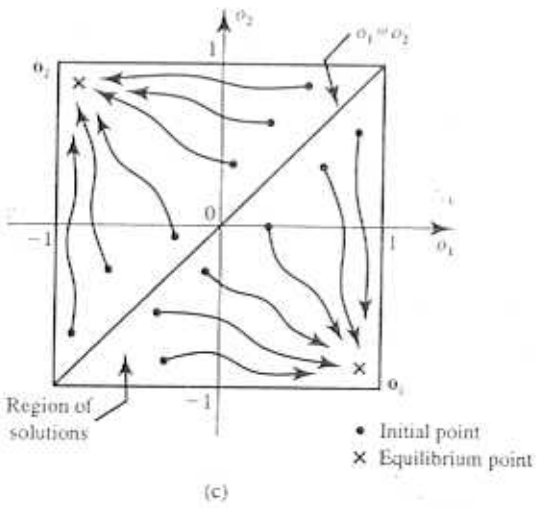


Figure 2.15c Continuous-time network from Example 2.3 *(continued)*: (c) illustration for equilibrium search.