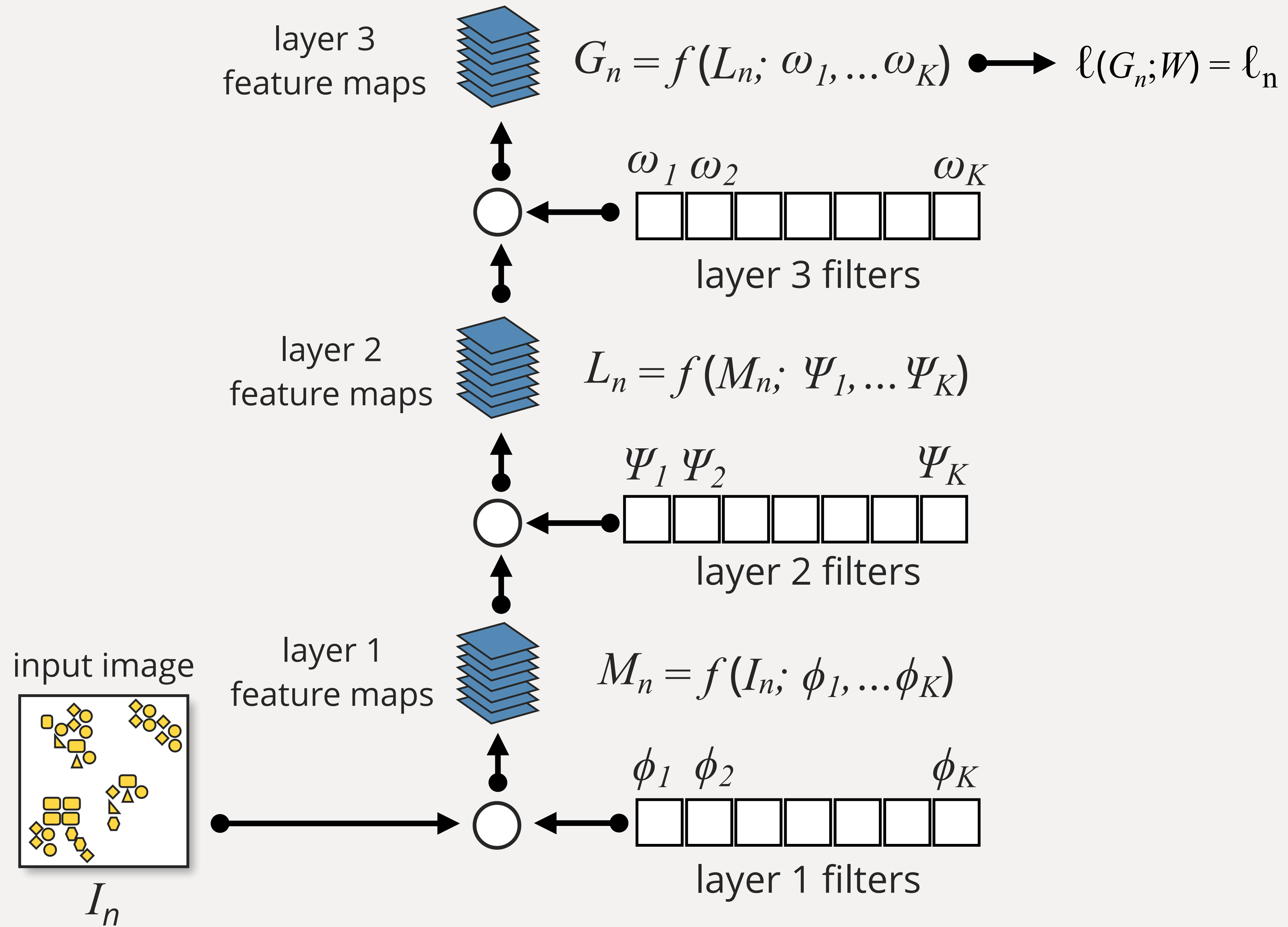
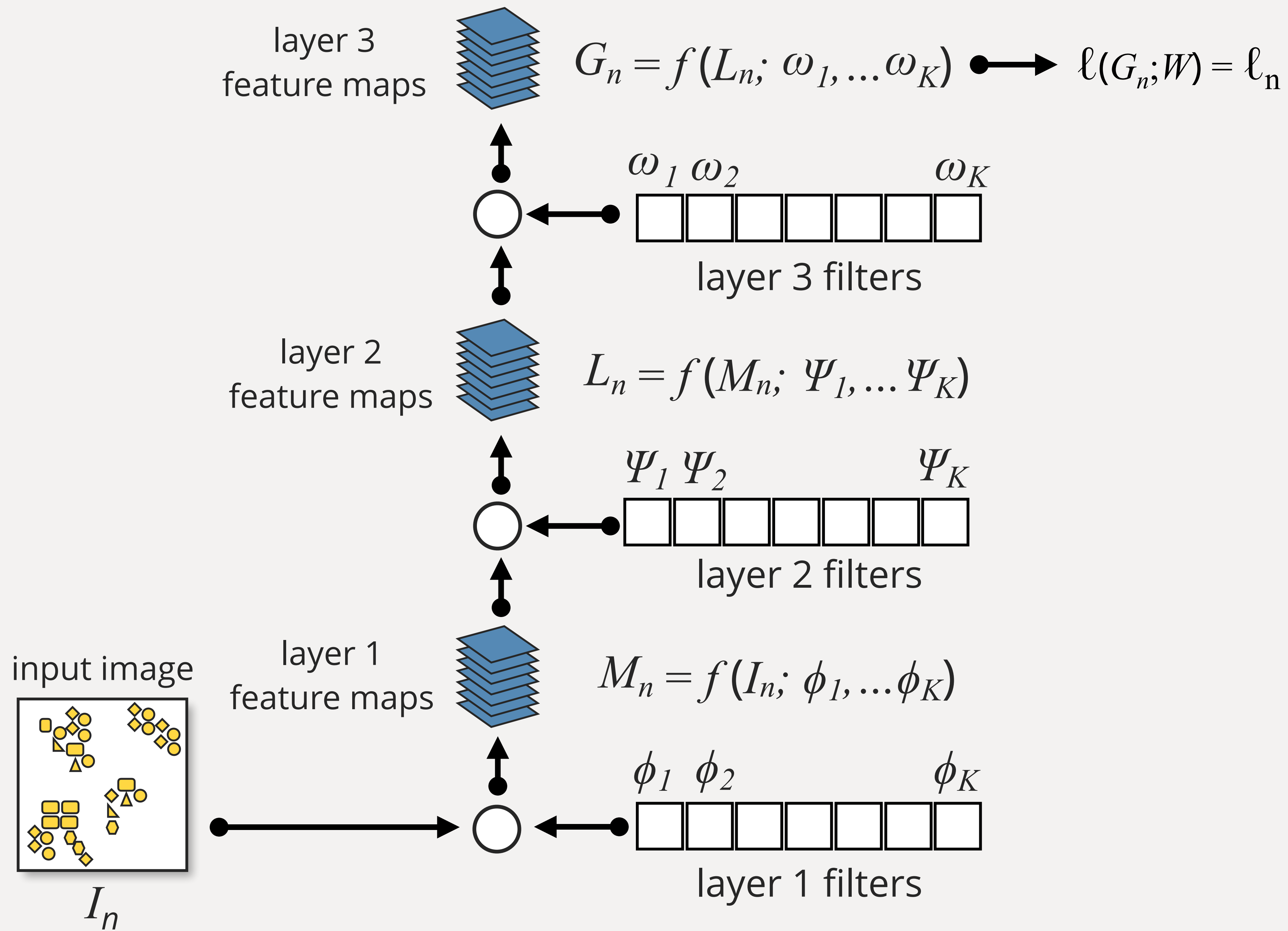
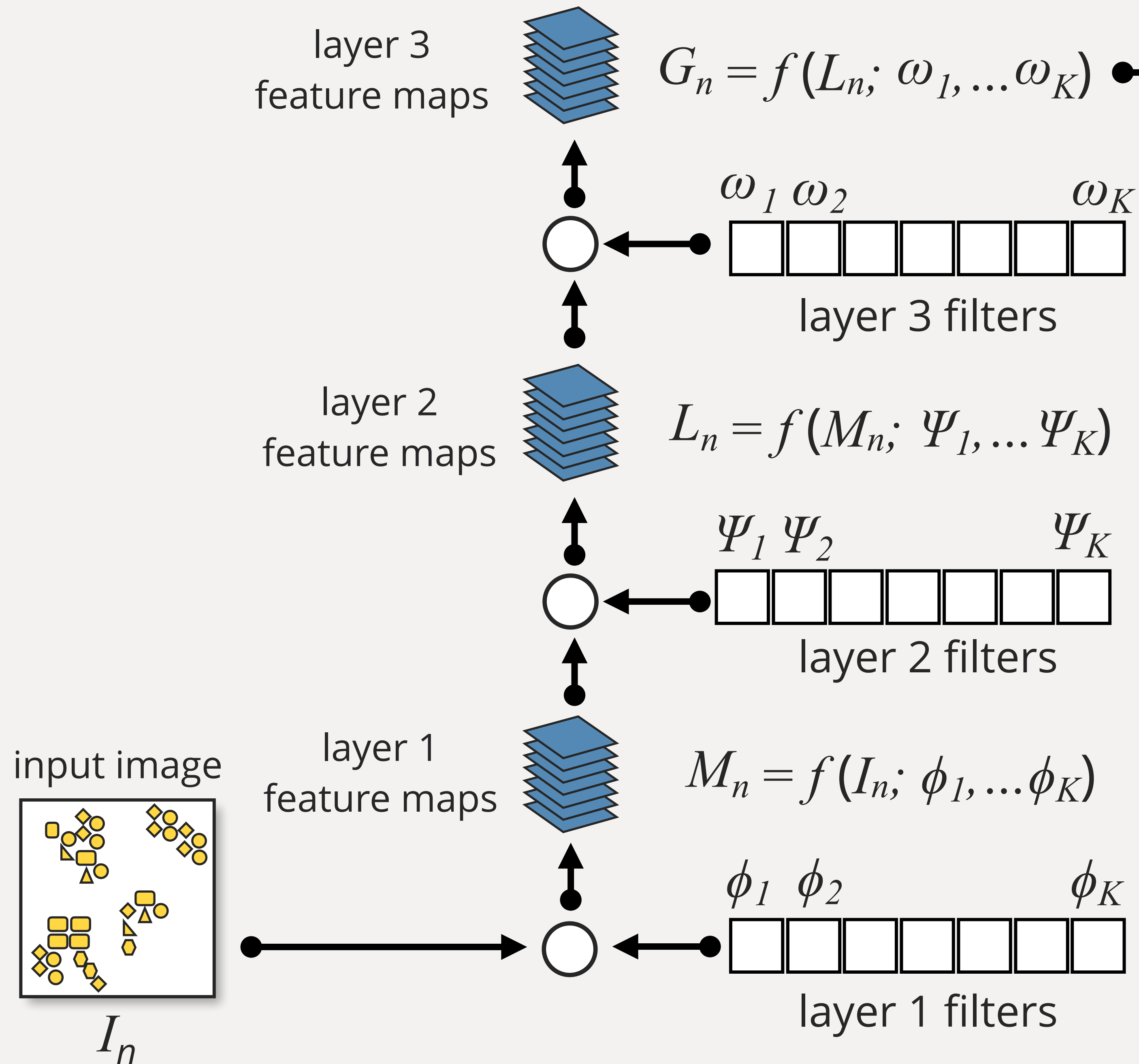




How the Model Learns







How the Model Learns

- Assume we have labeled data $\{I_n, y_n\} (n=1, N)$
- Assume labels are binary $\in \{+1, -1\}$
- Risk function of model parameters $E(\Phi, \Psi, \Omega, W) = 1/N \sum \text{loss}(y_n, \ell_n)$
- Find model parameters $\hat{\Phi}, \hat{\Psi}, \hat{\Omega}, \hat{W}$ that minimize $E(\Phi, \Psi, \Omega, W)$

