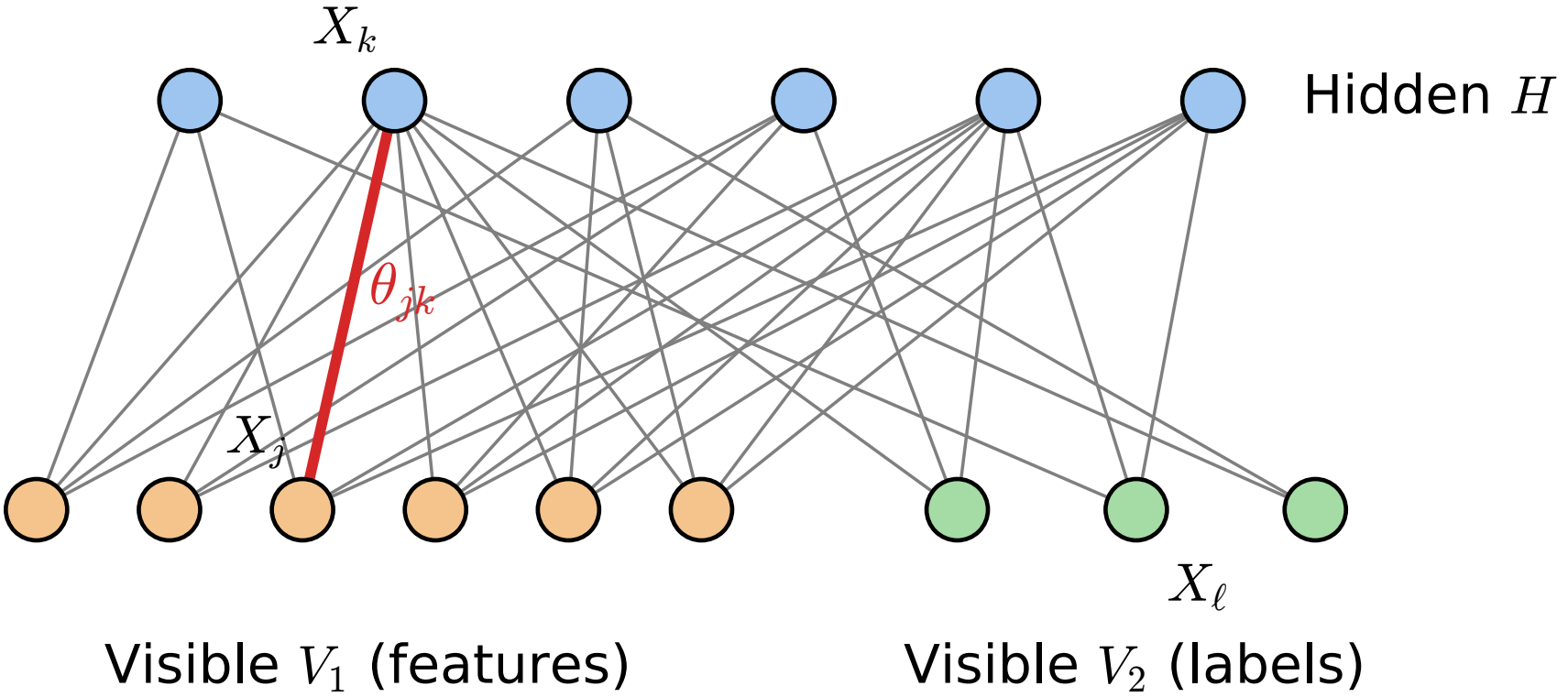

X_k
Hidden H
θ_{jk}
X_j
X_ℓ
Visible V_1 (features)
Visible V_2 (labels)