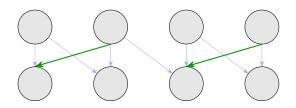
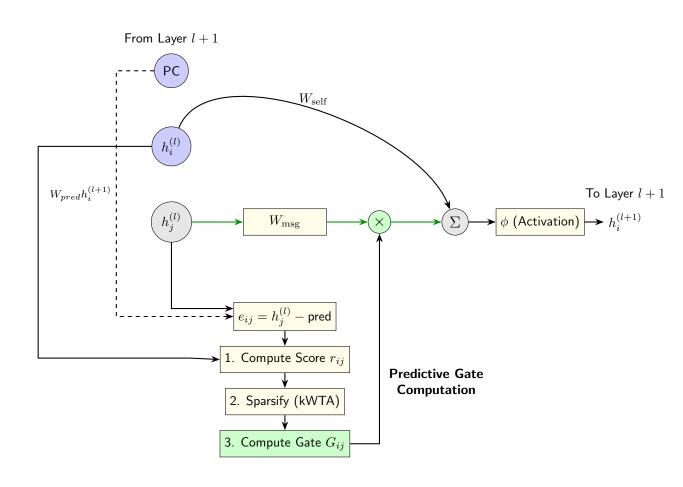


Dense, All-to-All Broadcast Quadratic $O(N^2)$ Complexity



Sparse, Predictive Routing Guaranteed O(N) Complexity



Attention-Free Perceptual Capsule Unit (PCU) Update