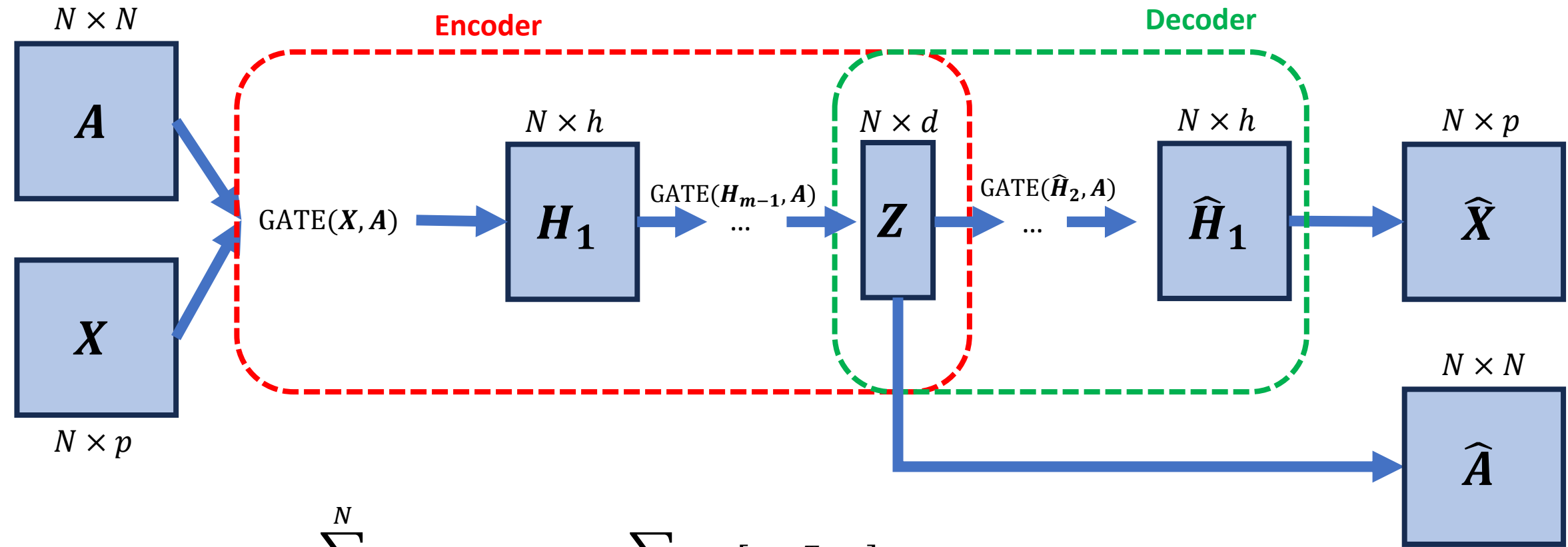


# Graph Attention AutoEncoder (GATE) – Salehi and Davulcu, 2019

Original Task: Node Classification



$$\text{Loss} = \sum_{i=1}^N ||\mathbf{x}_i - \hat{\mathbf{x}}_i||_2 + \lambda \cdot \sum_{j \in \mathcal{N}_i} \log[\sigma(\mathbf{z}_i^T \mathbf{z}_j)]$$