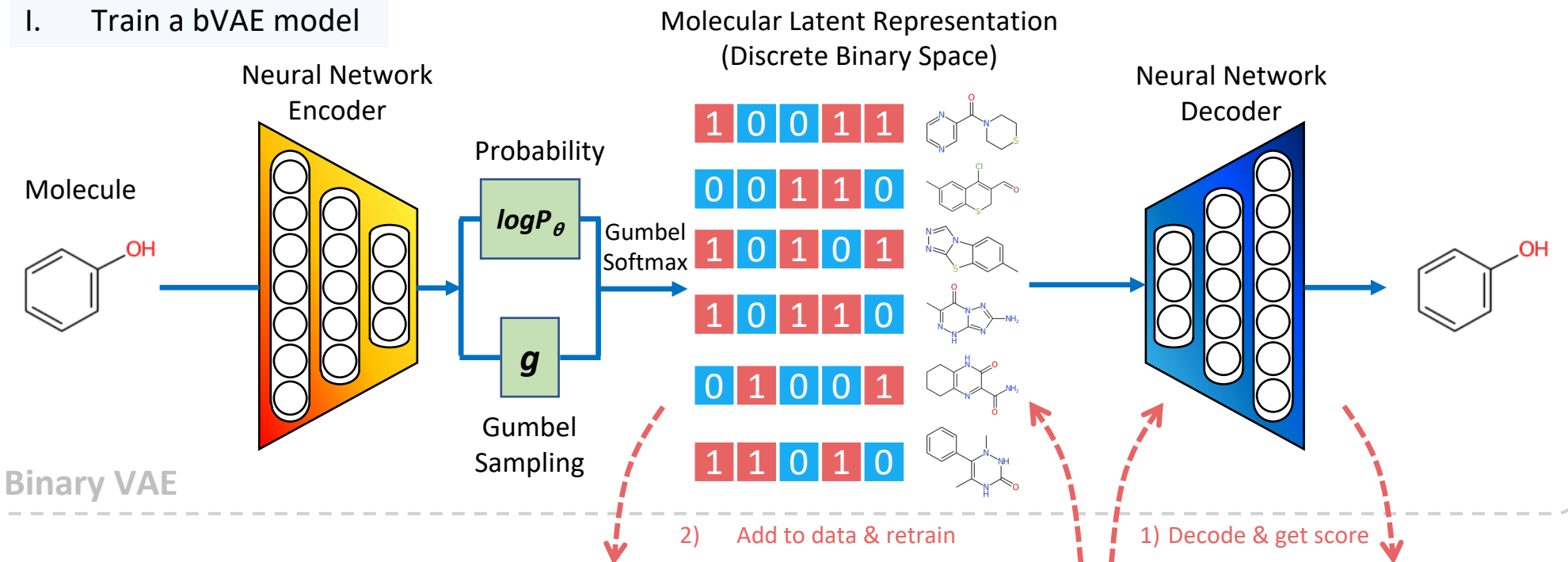


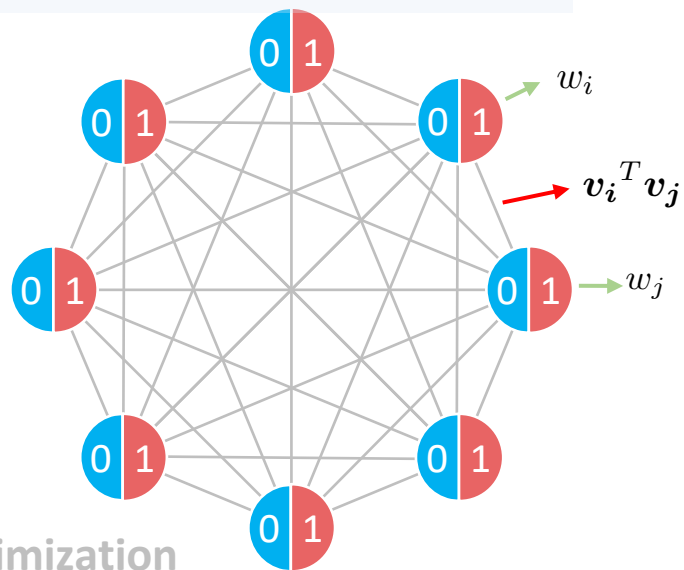
I. Train a bVAE model



II. Train the factorization machine

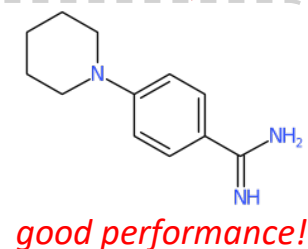
$$\hat{y}(\mathbf{x}) = \text{bias } w_0 + \text{linear } \mathbf{w}^T \mathbf{x} + \sum_{i=1}^N \sum_{j=i+1}^N \text{interaction } \mathbf{v}_i^T \mathbf{v}_j x_i x_j$$

III. Convert to a QUBO model



V. Decode the solution

0 1 0 1 0



IV. Solved by an Ising machine

