

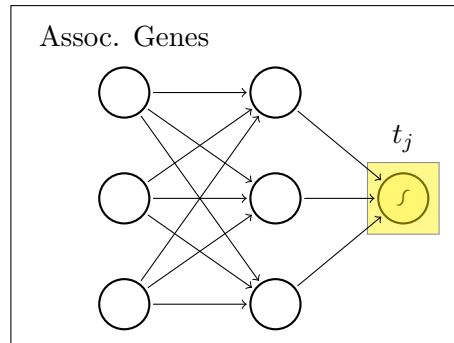
$$0 \leq t_j \leq 1; \quad 1 \leq j \leq n \quad (1)$$

$$v_j = l_j + (u_j - l_j)t_j \quad (2)$$

$$Sv = Sl + S.diag(u_i - l_i).t = b + A.t \rightarrow 0 \quad (3)$$

$$\delta_i = (Sv)_i = a'_i t + b_i; \quad 1 \leq i \leq m \quad (4)$$

$$loss = loss_{A.E.} + \lambda \|\delta\| \quad (5)$$



Alternative: using the exact number of complexes in the second layer, and the definite connections for each complex.