

(a)

Bipartite Mutual Information: $I(\mathbf{X}:\mathbf{Y}) \sim L^\beta$

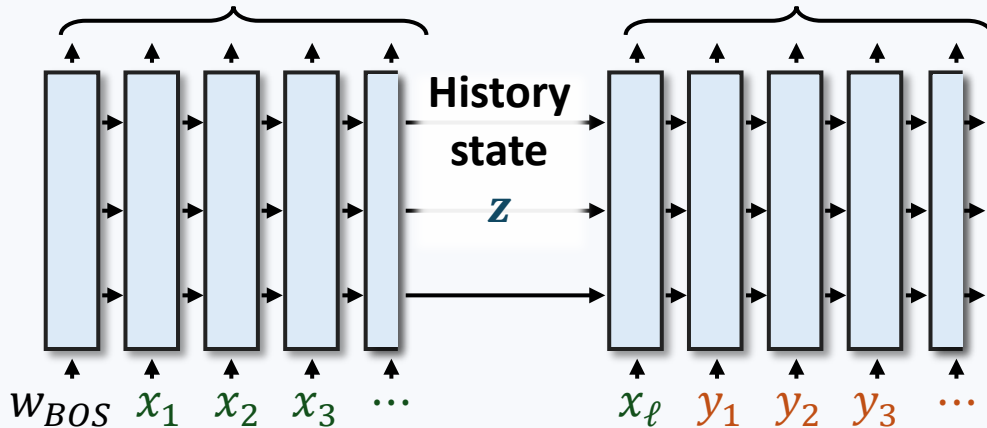
 \mathbf{X} \mathbf{Y}

The quick brown fox

jumps over the lazy

 L

(b)

 $q(\mathbf{x})$ $q(\mathbf{y}|\mathbf{x}) = q(\mathbf{y}|\mathbf{x}_\ell, \mathbf{z})$ 

(c)

