

$$\mathbf{Z}_{i \in C_1}^{\text{LSH}} = \text{SelfAttn}_{\mathbf{Q}=\mathbf{K}} \left(\begin{array}{|c|c|c|c|c|} \hline \text{green} & \text{green} & \text{green} & \text{green} & \text{green} \\ \hline \text{green} & \text{green} & \text{green} & \text{green} & \text{green} \\ \hline \text{green} & \text{green} & \text{green} & \text{green} & \text{green} \\ \hline \text{green} & \text{green} & \text{green} & \text{green} & \text{green} \\ \hline \end{array} \right)$$

$x_3 \qquad x_{12}$

$$\mathbf{Z}_{i \in C_2}^{\text{LSH}} = \text{SelfAttn}_{\mathbf{Q}=\mathbf{K}} \left(\begin{array}{|c|c|c|c|} \hline \text{green} & \text{green} & \text{green} & \text{green} \\ \hline \text{green} & \text{green} & \text{green} & \text{green} \\ \hline \text{green} & \text{green} & \text{green} & \text{green} \\ \hline \text{green} & \text{green} & \text{green} & \text{green} \\ \hline \end{array} \right)$$

x_1

$$\mathbf{Z}_{i \in C_3}^{\text{LSH}} = \text{SelfAttn}_{\mathbf{Q}=\mathbf{K}} \left(\begin{array}{|c|c|c|c|c|} \hline \text{green} & \text{green} & \text{green} & \text{green} & \text{green} \\ \hline \text{green} & \text{green} & \text{green} & \text{green} & \text{green} \\ \hline \text{green} & \text{green} & \text{green} & \text{green} & \text{green} \\ \hline \text{green} & \text{green} & \text{green} & \text{green} & \text{green} \\ \hline \end{array} \right)$$

$x_9 \qquad x_{16}$

$$\mathbf{Z}_{i \in C_4}^{\text{LSH}} = \text{SelfAttn}_{\mathbf{Q}=\mathbf{K}} \left(\begin{array}{|c|c|} \hline \text{green} & \text{green} \\ \hline \text{green} & \text{green} \\ \hline \text{green} & \text{green} \\ \hline \text{green} & \text{green} \\ \hline \end{array} \right)$$