

$$\begin{aligned}
 & \text{Diagram 1: } \text{SelfAttn}_{\mathbf{Q}=\mathbf{K}} \left( \begin{array}{c} \text{Input: } 8 \text{ blocks of } 3 \times 3 \text{ cells. The first 4 blocks are crossed out with a red X. The last 4 blocks are grouped by a yellow box labeled } z_3^{\text{LSH}}, \text{ a magenta box labeled } z_{12}^{\text{LSH}}, \text{ a blue box labeled } x_3, \text{ and a blue box labeled } x_{12}. \end{array} \right) \\
 & \text{Diagram 2: } \text{SelfAttn}_{\mathbf{Q}=\mathbf{K}} \left( \begin{array}{c} \text{Input: } 8 \text{ blocks of } 3 \times 3 \text{ cells. The first 4 blocks are crossed out with a red X. The last 4 blocks are grouped by a blue box labeled } z_1^{\text{LSH}} \text{ and an orange box labeled } x_1. \end{array} \right)
 \end{aligned}$$

$$\begin{aligned}
 & \text{Diagram 3: } \text{SelfAttn}_{\mathbf{Q}=\mathbf{K}} \left( \begin{array}{c} \text{Input: } 8 \text{ blocks of } 3 \times 3 \text{ cells. The first 4 blocks are crossed out with a red X. The last 4 blocks are grouped by a blue box labeled } z_9^{\text{LSH}} \text{ and a yellow box labeled } x_9. \end{array} \right) \\
 & \text{Diagram 4: } \text{SelfAttn}_{\mathbf{Q}=\mathbf{K}} \left( \begin{array}{c} \text{Input: } 8 \text{ blocks of } 3 \times 3 \text{ cells. The first 4 blocks are crossed out with a red X. The last 4 blocks are grouped by an orange box labeled } z_{16}^{\text{LSH}} \text{ and a magenta box labeled } x_{16}. \end{array} \right)
 \end{aligned}$$