

$$\begin{array}{c}
 \text{col} = \left[ \begin{array}{cc|cc} 1 & 0 & 0 & 1 \end{array} \right] \\
 \text{val} = \left[ \begin{array}{cc|cc} 1 & 2 & 3 & 4 \end{array} \right] \\
 \begin{array}{cc} \text{row } 0 & \text{row } 1 \end{array} \\
 \text{ind} = \left[ \begin{array}{cccc} 0 & 2 & 4 & 4 \end{array} \right] \\
 \begin{array}{ccc} \text{row } 0 & \text{row } 1 & \text{row } 2 \end{array}
 \end{array}$$