

$$\text{split}^m \left(\begin{array}{|c|c|c|c|c|c|c|c|c|c|} x_1 & x_2 & \dots & \dots & \dots & \dots & \dots & \dots & \dots & x_n \end{array} \right)$$

$$= \boxed{\begin{array}{|c|c|c|c|} \hline x_1 & x_2 & \dots & \dots \\ \hline \end{array}} \boxed{\begin{array}{|c|c|c|c|} \hline \dots & \dots & \dots & \dots \\ \hline \end{array}} \dots \boxed{\begin{array}{|c|c|c|c|} \hline \dots & \dots & \dots & x_n \\ \hline \end{array}}$$

$\underbrace{\hspace{10em}}_m$

join(x_1 x_2 x_n)

$$= \begin{bmatrix} x_1 & x_2 & \dots & \dots & \dots & \dots & \dots & \dots & \dots & x_n \end{bmatrix}$$