$$\begin{pmatrix} x_1 \\ y_1 \end{pmatrix} \quad \cdots \quad \begin{pmatrix} x_p \\ y_p \end{pmatrix} \quad \cdots \quad \begin{pmatrix} x_n \\ y_n \end{pmatrix} \quad \begin{pmatrix} x_{n+1} \\ y_{n+1} \end{pmatrix}$$
 $\hat{\beta}_{(p)}$
 $\hat{\beta}_{(n)}$
 $\hat{\beta}_{(n+1)}$