

$$\begin{array}{cccc}
 x_{11} & x_{12} & \dots & x_{1j} & \dots & x_{1h} \\
 x_{21} & x_{22} & & & & \dots & x_{2h} \\
 \vdots & \vdots & & & & & \\
 x_{i1} & x_{i2} & \dots & x_{ij} & \dots & x_{ik} \\
 \vdots & \vdots & & & & & \\
 x_{n1} & x_{n2} & \dots & x_{nj} & \dots & x_{nh}
 \end{array}$$

$$\begin{array}{ccc}
 \bar{x}_{\cdot 1} & \bar{x}_{\cdot 2} & \bar{x}_{\cdot 3} \\
 \bar{x}_{\cdot 1} & \bar{x}_{\cdot 2} & \bar{x}_{\cdot 3} \\
 \vdots & \vdots & \vdots
 \end{array}$$

+

$$\begin{array}{ccc}
 r_{11} & \dots & \dots \\
 r_{21} & \dots & \dots \\
 \vdots & \vdots & \vdots
 \end{array}$$

$$\hat{G}_{zw}^2 =$$

$$\hat{G}_w^2$$

$$F =$$