

$$\sqrt{\det \begin{pmatrix} a_{11} & \cdots & a_{1n} \\ a_{21} & \cdots & a_{2n} \\ \vdots & \ddots & \vdots \\ a_{n1} & \cdots & a_{nn} \end{pmatrix}} \quad \text{versus} \quad \sqrt{\det \begin{pmatrix} a_{11} & \cdots & a_{1n} \\ a_{21} & \cdots & a_{2n} \\ \vdots & \ddots & \vdots \\ a_{n1} & \cdots & a_{nn} \end{pmatrix}}$$

$$\widetilde{a_{11}} + \widetilde{a_{12}} + \cdots + \widetilde{a_{nn}} = \hat{b}_{11} + \hat{b}_{12} + \cdots + \hat{b}_{nn}$$