

$$\langle \psi_1, \dots, \psi_m, u_1, \dots, u_n \rangle = \det \begin{vmatrix} \langle \psi_1, u_1 \rangle, & \langle \psi_1, u_2 \rangle & \dots & \langle \psi_1, u_n \rangle \\ \vdots & & & \\ \langle \psi_m, u_1 \rangle, & \langle \psi_m, u_2 \rangle & \dots & \langle \psi_m, u_n \rangle \end{vmatrix}$$

