$$u(\vec{e_1}) \dots u(\vec{e_n})$$

$$\begin{pmatrix} a_{11} & \dots & a_{1n} \\ \vdots & \ddots & \vdots \\ a_{p1} & \dots & a_{pn} \end{pmatrix} \stackrel{\vec{e_1}}{e_1}$$

$$\begin{pmatrix} a_{11} & \dots & a_{1n} \\ \vdots & \ddots & \vdots \\ a_{p1} & \dots & a_{pn} \end{pmatrix}$$