$$A\vec{1} = \vec{\partial}$$
, $A = [\vec{a}_i, \vec{a}_n] \Rightarrow \vec{\Sigma} \vec{a}_i = \vec{\partial}$

$$\begin{array}{ccc} \circ & & \longrightarrow & \longrightarrow & \stackrel{n-1}{\sum} \overrightarrow{a}_{1}, \\ & & & & \longrightarrow & \longrightarrow & \end{array}$$

$$E = \begin{bmatrix} 1 & 0 & -0 & 0 & 1 \\ 0 & 1 & 0 & -0 & 1 \\ \vdots & 1 & 1 & 0 \end{bmatrix}$$
 $u = 2u 2u 2u = 1$

$$AE = \begin{bmatrix} \overrightarrow{a_1}, \overrightarrow{a_2}, \cdots, \overrightarrow{a_{n-1}}, \overrightarrow{a_{n-1}} + \overrightarrow{a_{n-1}} + \overrightarrow{a_{n-1}} \end{bmatrix} = \begin{bmatrix} \overrightarrow{a_1}, \overrightarrow{a_2}, \cdots, \overrightarrow{a_{n-r}}, \overrightarrow{o} \end{bmatrix}$$