HW6 Gehna ZHANG (922280)

$$\frac{1}{\beta} = \begin{bmatrix} \beta_0 \\ \beta_1 \\ \beta_2 \end{bmatrix}$$

b.
$$X = \begin{bmatrix} 1 & X_{11} & X_{12} \\ 1 & X_{21} & X_{22} \\ 1 & X_{31} & X_{32} \\ 1 & X_{41} & X_{42} \end{bmatrix}$$

$$\frac{1}{\beta} = \begin{bmatrix} \beta_0 \\ \beta_1 \\ \beta_2 \end{bmatrix}$$

Q.
$$\frac{1}{X} = \begin{bmatrix}
X_{11} & X_{12} & X_{11} \\
X_{21} & X_{22} & X_{21} \\
X_{31} & X_{32} & X_{31} \\
X_{41} & X_{42} & X_{41} \\
X_{51} & X_{52} & X_{51}
\end{bmatrix}$$

$$\beta = \begin{bmatrix} \beta_1 \\ \beta_2 \\ \beta_3 \end{bmatrix}$$

$$\frac{1}{\beta} = \begin{bmatrix} \beta_0 \\ \beta_1 \\ \beta_2 \end{bmatrix}$$