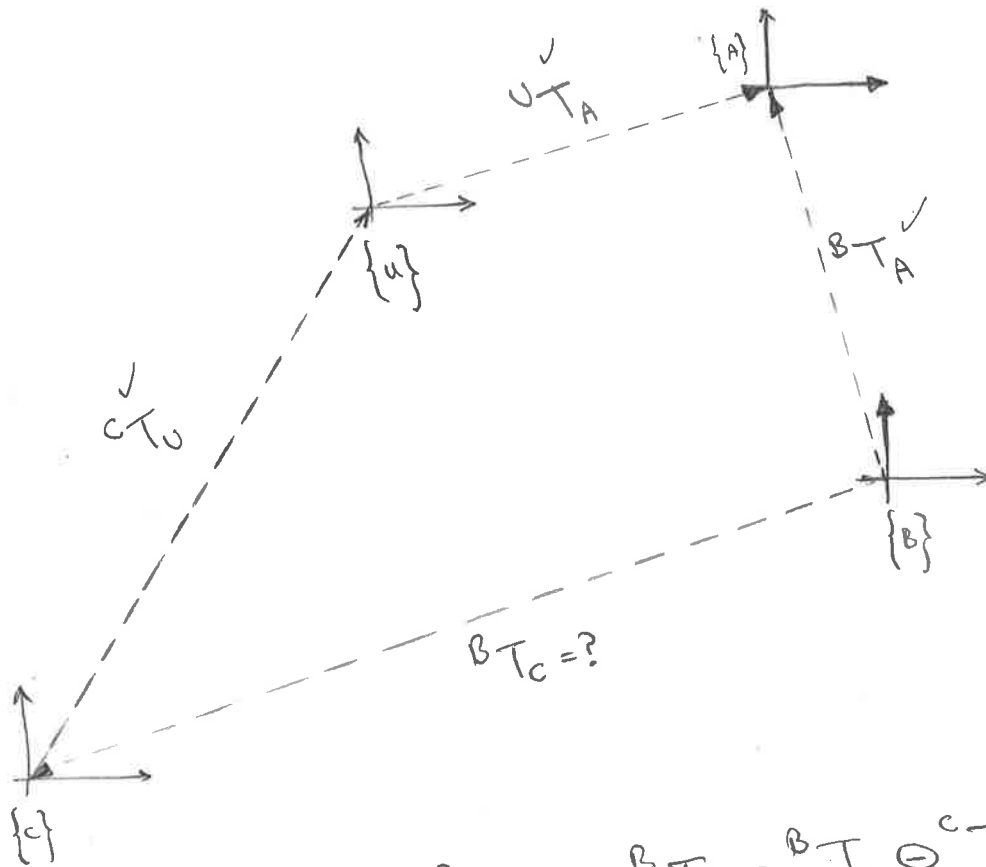


# Exercise 2

Farid Alijani

Q1.

042 25 13



$${}^C T_U \oplus {}^U T_A = {}^B T_A \ominus {}^B T_C \Rightarrow {}^B T_C = {}^B T_A \ominus {}^C T_U \ominus {}^U T_A$$

$${}^B T_C = {}^B T_A \times {}^C T_U^{-1} \times {}^U T_A^{-1}$$

$${}^B T_C = \begin{bmatrix} .5335 & .808 & .25 & -5.1636 \\ -.8248 & .5625 & -.058 & 21.96 \\ -.1875 & -.1753 & .9665 & -34.5 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$