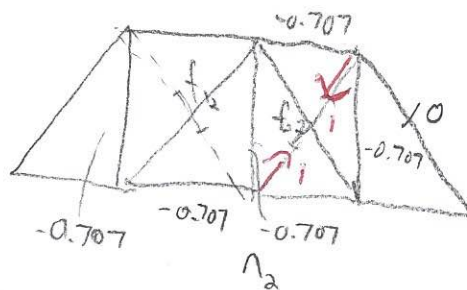
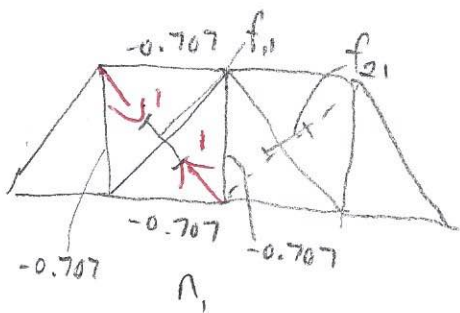
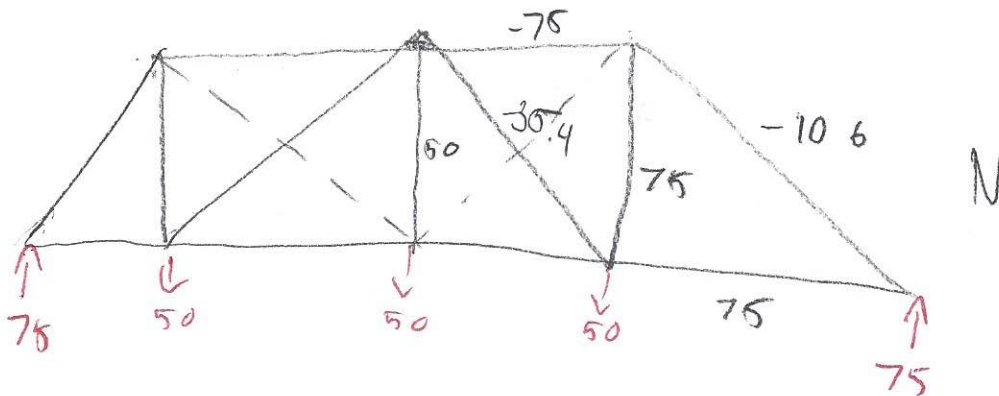


Trusses = remove members need to maintain stability and triangulation



$$\delta A = \sum n \cdot \frac{NL}{EA}$$

f_{11} = deflection string 1 due to force at 1

[illegible]

$$\underline{A}_1 + f_{11} X_1 + f_{12} X_2 = 0$$

$$\Delta_2 = f_{21} X_1 + f_{22} X_2 = 0 \quad X_2 = X_1 = 29.3 \text{ kN}$$

Other members, $F = N + n_1 X_1 + n_2 X_2$