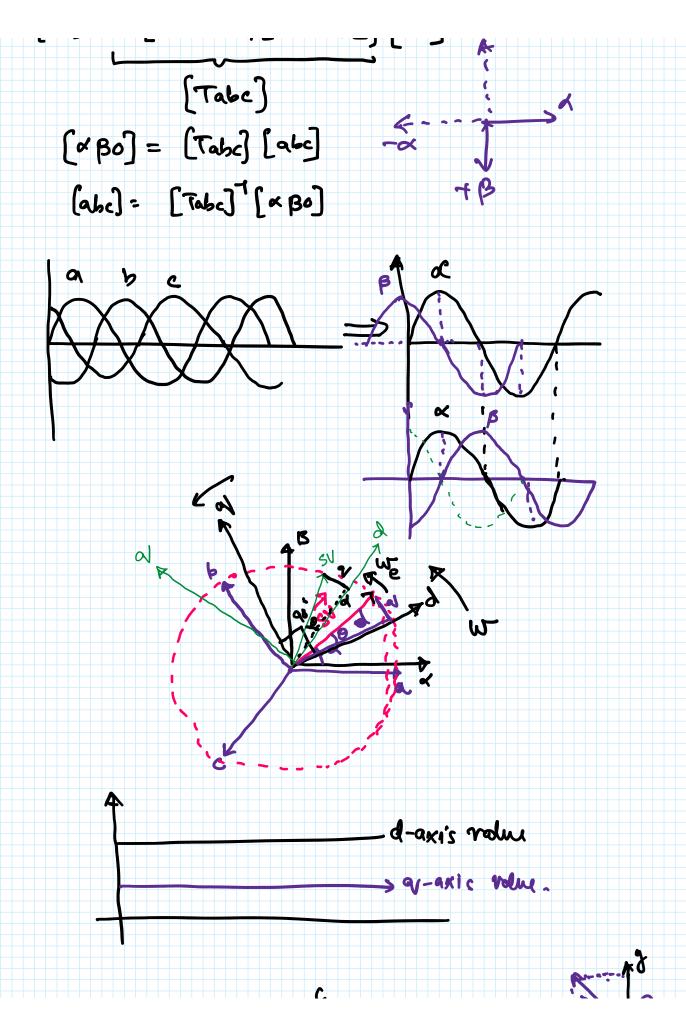
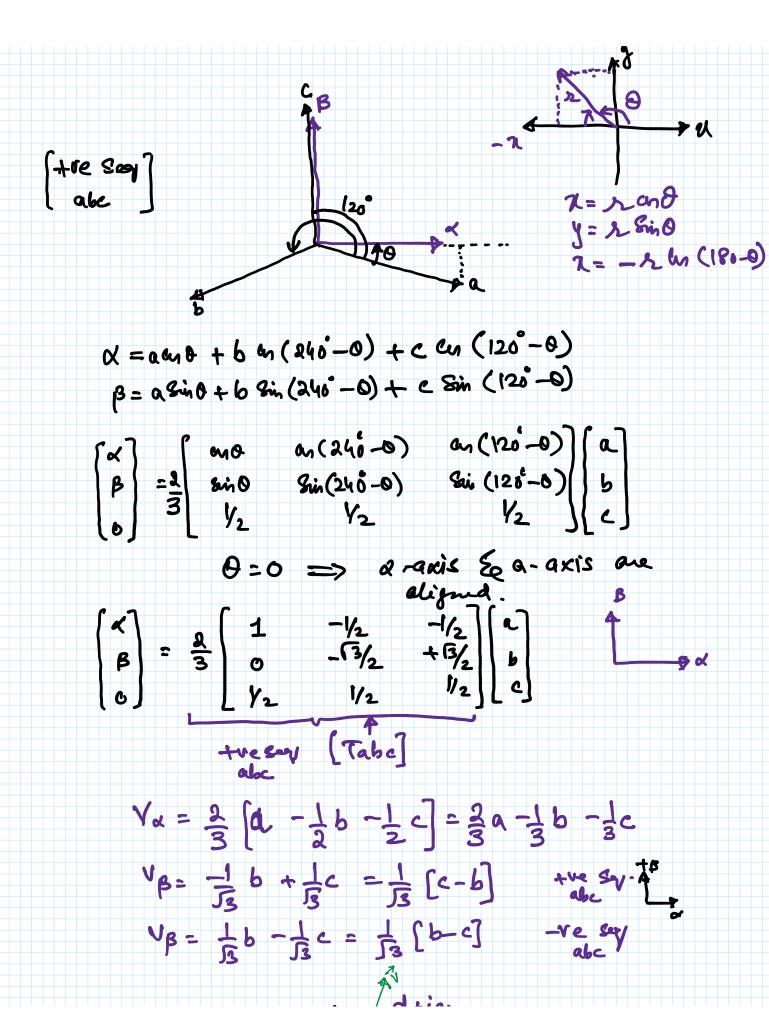


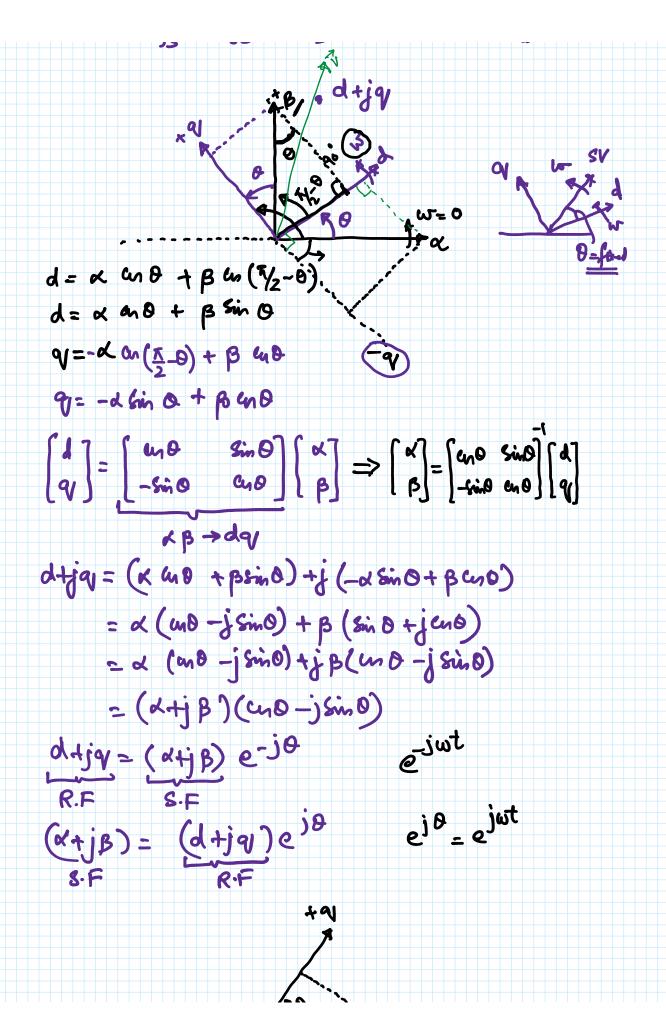
a = a cha + b ch (0 + 240°) + c ch (0+120°)

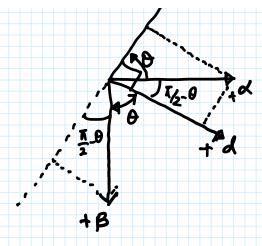
B = a sino + b sin (0+240°) + c sin (0+120°)

$$\begin{bmatrix}
\alpha \\
\beta
\end{bmatrix} = \frac{2}{3} \begin{bmatrix}
1 & -\frac{1}{2} & -\frac{1}{2} \\
0 & -\frac{1}{2} & \frac{1}{2} \\
\frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\
\frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\
\frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\
\frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\
\frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\
\frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\
\frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\
\frac{1}{2} & \frac{1}{2} \\
\frac{1}{2} & \frac{1}{2} &$$









$$d = \alpha \sin \theta + \beta \sin \theta$$

$$q = \alpha \cos \theta - \beta \sin \theta$$

$$d = \beta \sin \theta \cos \theta$$

$$d = \beta \sin \theta$$

$$d = \beta \sin$$

$$d+jq=\alpha (sin0+jan0)+\beta (no-jsin0)$$

$$=j\alpha (an0-jsin0)+\beta (an0-jsin0)$$

$$d+jq=(j\alpha+\beta)e^{-j\alpha}$$

$$R.F$$

Example:

$$V_a = V_m \ an \ (\omega t + \phi)$$
 $V_b = V_m \ an \ (\omega t + \phi - 2\pi/3)$
 $V_c = V_m \ an \ (\omega t + \phi + 2\pi/3)$
 $V_c = V_m \ an \ (\omega t + \phi + 2\pi/3)$

