$$\frac{1}{\alpha \lambda} = \begin{pmatrix} 2 & 3 \\ 1 & 6 \end{pmatrix} \omega(\lambda)$$

$$L_{1} = 3$$

$$V_{1} = \begin{pmatrix} \frac{1}{4} \\ -\frac{1}{4} \end{pmatrix} \quad |V_{2}| = \begin{pmatrix} \frac{3}{4} \\ \frac{1}{4} \\ \frac{1}{4} \end{pmatrix}$$