$$f(t_1) = a_{-B} e^{j2\pi(-B)t_1} + a_{-B+1} e^{j2\pi(-B+1)t_1} + \dots + a_{B} e^{j2\pi Bt_1}$$

$$f(t_2) = a_{-B} e^{j2\pi(-B)t_2} + a_{-B+1} e^{j2\pi(-B+1)t_2} + \dots + a_{B} e^{j2\pi Bt_2}$$

This can be written in matrices as:

$$\begin{cases}
f(t_1) \\
f(t_2)
\end{cases} = \begin{cases}
e^{j2\pi(-B)t_1} & e^{j2\pi(-B+1)t_2} \\
e^{j2\pi(-B)t_2} & e^{j2\pi(-B+1)t_2}
\end{cases}$$

$$e^{j2\pi(B)t_2} = \begin{cases}
e^{j2\pi(B)t_2} & e^{j2\pi(B)t_2} \\
e^{j2\pi(-B)t_2} & e^{j2\pi(-B+1)t_2}
\end{cases}$$

$$e^{j2\pi(B)t_2} = \begin{cases}
e^{j2\pi(B)t_2} & e^{j2\pi(B)t_2}
\end{cases}$$

$$e^{j2\pi(B)t_2} & e^{j2\pi(B)t_2}
\end{cases}$$

$$Y = A\alpha$$

$$\alpha = (A^{\dagger}A)^{\dagger}A^{\dagger}y$$