$$\begin{bmatrix} cos(\delta) & 0 & -sen(\delta) \\ 0 & 1 & 0 \\ sen(\delta) & 0 & cos(\delta) \end{bmatrix} \begin{bmatrix} 1 & 0 & 0 \\ 0 & cos(\beta) & sen(\beta) \\ 0 & -sen(\beta) & cos(\beta) \end{bmatrix} \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 0 \end{bmatrix}$$

$$| \; cos(\delta) \quad sen(\beta)sen(\delta) \quad 0 \; | = cos^2(\delta) + sen^2(\beta)sen^2(\delta)$$

$$| \; 0 \quad cos(\beta) \quad 0 \; | = cos^2(\beta)$$

$$\begin{bmatrix} cos(\delta) & sen(\beta)sen(\delta) & 0 \\ 0 & cos(\beta) & 0 \\ sen(\delta) & -sen(\beta)cos(\delta) & 0 \end{bmatrix}$$

$$| \; sen(\delta) \quad -sen(\beta)cos(\delta) \quad 0 \; | = sen^2(\delta) + sen^2(\beta)cos^2(\delta)$$

$$\begin{bmatrix} 1 & 0 & 0 \end{bmatrix} \begin{bmatrix} cos(\delta) & sen(\beta)sen(\delta) & 0 \\ 0 & cos(\beta) & 0 \\ sen(\delta) & -sen(\beta)cos(\delta) & 0 \end{bmatrix} = \begin{bmatrix} cos(\delta) & sen(\beta)sen(\delta) & 0 \end{bmatrix}$$

$$cos^2(\beta) = cos^2(\delta) + sen^2(\beta)sen^2(\delta)$$
$$1 - sen^2(\beta) = cos^2(\delta) + sen^2(\beta)sen^2(\delta)$$
$$1 - cos^2(\delta) = sen^2(\beta) + sen^2(\beta)sen^2(\delta)$$
$$sen^2(\delta) = sen^2(\beta) + sen^2(\beta)sen^2(\delta)$$
$$sen^2(\delta) - sen^2(\beta)sen^2(\delta) = sen^2(\beta)$$
$$sen^2(\delta)(1 - sen^2(\beta)) = sen^2(\beta)$$
$$sen^2(\delta) = tg^2(\beta)$$

$$\begin{bmatrix} 0 & 1 & 0 \end{bmatrix} \begin{bmatrix} cos(\delta) & sen(\beta)sen(\delta) & 0 \\ 0 & cos(\beta) & 0 \\ sen(\delta) & -sen(\beta)cos(\delta) & 0 \end{bmatrix} = \begin{bmatrix} 0 & cos(\beta) & 0 \end{bmatrix}$$

$$\begin{bmatrix} 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} cos(\delta) & sen(\beta)sen(\delta) & 0 \\ 0 & cos(\beta) & 0 \\ sen(\delta) & -sen(\beta)cos(\delta) & 0 \end{bmatrix} = \begin{bmatrix} sen(\delta) & -sen(\beta)cos(\delta) & 0 \end{bmatrix}$$

$$cos^2(\beta) = sen^2(\delta) + sen^2(\beta)cos^2(\delta)$$
$$1 - sen^2(\beta) = sen^2(\delta) + sen^2(\beta)cos^2(\delta)$$
$$1 - sen^2(\delta) = sen^2(\beta) + sen^2(\beta)cos^2(\delta)$$
$$cos^2(\delta) = sen^2(\beta) + sen^2(\beta)cos^2(\delta)$$
$$cos^2(\delta) - sen^2(\beta)cos^2(\delta) = sen^2(\beta)$$
$$cos^2(\delta)(1 - sen^2(\beta)) = sen^2(\beta)$$
$$cos^2(\delta) = tg^2(\beta)$$

$$\begin{bmatrix} cos(\delta) & sen(\beta)sen(\delta) & 0 \end{bmatrix}$$

$$\begin{bmatrix} 0 & cos(\beta) & 0 \end{bmatrix}$$

$$\begin{bmatrix} sen(\delta) & -sen(\beta)cos(\delta) & 0 \end{bmatrix}$$