$C_{x} = C_{y} = \frac{1}{2}$ 

$$0.5 \times 0.5 \rightarrow 0.25 \times 0.5$$
 $C_1 = 1/2 C_1 = 1$ 

$$C_2 = 1/2 C_2 = 1$$

$$\begin{pmatrix} x_{L} \\ y_{2} \\ 1 \end{pmatrix} = \begin{pmatrix} 1 & 0 & t_{x} \\ 0 & 1 & t_{y} \\ 0 & 0 & 1 \end{pmatrix} \begin{pmatrix} y_{1} \\ y_{1} \\ 1 \end{pmatrix}$$

$$= \begin{pmatrix} 1 & 0 & 1 \\ 0 & 0 & 1 \\ 0 & 1 & 1 \\ 0 & 1 & 1 \\ 0 & 1 & 1 \\ 0 & 0 & 1 \\$$

$$\begin{pmatrix} x_{9} \\ y_{9} \end{pmatrix} = \begin{pmatrix} c_{x} & c_{y} & c_{y} \\ c_{y} & c_{y} & c_{y} \end{pmatrix} \begin{pmatrix} x_{m} \\ y_{m} \\ c_{y} & c_{y} \end{pmatrix}$$

$$\begin{pmatrix} xg' \\ yg' \\ 1 \end{pmatrix} = \begin{pmatrix} 1 & 3 & tx \\ 0 & 1 & ty \\ 0 & 0 & 1 \end{pmatrix} \begin{pmatrix} xg \\ yg \\ 1 \end{pmatrix}$$



