## Invuse mapping for T3 element: an = An , az = Me , az = As $A_1 + A_2 + A_3 = \Delta$ coordonnées d'aine: $\alpha = a_1 \times x^{(1)}, a_2 \times x^{(2)}, a_3 \times x^{(3)}$ => x = a, x(1) + a, x(1) + (1 a, -a, ) x(1) $\underline{\chi}:\begin{pmatrix} \chi \\ \gamma \end{pmatrix}$ Reference element $\begin{pmatrix} x \\ y \\ 1 \end{pmatrix} = \begin{pmatrix} x_1 & x_2 & x_3 \\ y_1 & y_2 & y_3 \\ 1 & 1 & 1 \end{pmatrix}$ $\begin{pmatrix} \alpha_1 \\ \alpha_2 \\ \alpha_3 \end{pmatrix} \Longrightarrow \begin{pmatrix} \alpha_1 \\ \alpha_2 \\ \alpha_3 \end{pmatrix} = \begin{pmatrix} \alpha_1 \\ \alpha_3 \\ \alpha_3 \end{pmatrix} = \begin{pmatrix} \alpha_1 \\ \alpha_2 \\ \alpha$ Napping & inverse $N_1 = 3 \quad (= a_1)$ an = 3 N2 = 7 (= ac) ac = y Ny - 7-3-4 (= az) For T6, shape function also defined by ange, as invose mapping available!