

ex 10/19/86

P 1

20 H.C.

$$\left(\underset{x}{1}, \underset{y}{2}, \underset{w}{3} \right)$$

$$\rightarrow \left(\frac{1}{3}, \frac{2}{3} \right) \text{ CAST}$$

TRANS BY GAT (1, 2)

$$\left(\frac{1}{3}, \frac{2}{3} \right) + (1, 2) = \left(\frac{4}{3}, \frac{8}{3} \right)$$

MAKE THAT H.C.

$$\left(\frac{4}{3}w, \frac{8}{3}w, w \right)$$

TRT $w=3$

$$(4, 8, 3)$$

$$\begin{pmatrix} 2 & 0 & 0 & 2 \\ 0 & 2 & 0 & 3 \\ 0 & 0 & 2 & 4 \\ 0 & 0 & 0 & 2 \end{pmatrix} \begin{pmatrix} 0 \\ 0 \\ 0 \\ 1 \end{pmatrix} = \begin{pmatrix} 2 \\ 3 \\ 4 \\ 2 \end{pmatrix} \quad 2$$

$$A \quad C \quad \begin{pmatrix} 2 \\ 3 \\ 4 \\ 2 \end{pmatrix}$$

$$\text{CART} \begin{pmatrix} 1 \\ 1\frac{1}{2} \\ 2 \\ 2 \end{pmatrix}$$