Q] (ouridus a fuzzy date
$$A = \begin{cases} \frac{0.0}{1} + \frac{0.3}{a} + \frac{0.4}{3} + \frac{0.5}{4} \end{cases}$$

$$B = \begin{cases} \frac{0.1}{1} + \frac{0.0}{a} + \frac{0.0}{3} + \frac{0}{4} \end{cases}$$

$$Algebraic Sum$$

$$Algeb$$

Algebrai produt

$$u_{AB}(x) = u_{A}(x) \cdot u_{B}(x)$$

$$= \left\{ \frac{0.02}{1} + \frac{0.06}{2} + \frac{0.08}{3} + \frac{9}{4} \right\}$$

Bounded Sum

Bounded difference

0)
$$A = \left\{ \frac{0.4}{x_1} + \frac{0.3}{x_0} + \frac{0.9}{x_3} \right\}$$

$$B = \left\{ \frac{0.3}{y_1} + \frac{0.9}{y_a} \right\}$$

Cartedian produt

$$R = x_1 \begin{bmatrix} 0.3 & 0.4 \\ 0.3 & 0.3 \\ 0.0 & 0.0 \end{bmatrix}$$

the proof to allow the

6-40-50-19;

$$T = R_0 S = \frac{y_1}{y_2} \left(\begin{array}{c} y_1 & y_2 \\ \hline 0.6 & 0.5 \\ \hline 0.1 & 1 \end{array} \right) \left(\begin{array}{c} y_1 & y_2 \\ \hline 0.7 & 0.3 \\ \hline 0.7 & 0.9 \\ \hline 0.9 & 0.1 \\ \hline 0.6 \end{array} \right)$$

= max
$$\begin{cases} min (0.6,0.7), min (0.5,0.9) \end{cases}$$

= max $\begin{cases} 0.6, 0.5 \end{cases}$
= $\frac{0.6}{2}$
 $7 = 0.1 \begin{cases} 0.6 & 0.3 & 0.5 \end{cases}$
 $7 = 0.1 \begin{cases} 0.9 & 0.1 & 0.6 \end{cases}$

Man - produit composition

$$M_{2}(3,3) = max \left(\begin{cases} M_{R} & (3,3) \\ M_{3}(42-31) \end{cases} \right)$$

$$M_{3}(42-31)$$

= man
$$(0.6\times0.7 \cdot 0.6\times0.9)$$

= man $(0.42, 0.45) = 0.45$

Q] consider fung Relation R = 1 0-5 25 0.2 0.9 0 0.8 Show about relation is a to lerane relation or not. Symmetre property And) if both Suffering 4 ur (21,4,) = 1 } reflexion if apper and louis ar Same. un (x,, y,) = un (x;, y;) then Symmetrie.