1030-1230
JI 301, 401 MAL 717 Fuzzy Sets Major Test Max Marks 04 May 2007 1. Prove -14. 5.
1. Prove-the following :
Suppose $\{p_i i \in I\}$ are fuzzy sets in (X, I) and $\{v_i i \in I\}$ are fuzzy sets in (Y, η) . Then $x_X^{\dagger} := \inf_{x \in I} \{p_i(x) = I\}$ and $\{v_i i \in I\}$ from $\{X, I\}$ is $\{p_i(x) = I\}$ are fuzzy relations $\{x_i \in I\}$ the following site.
$f_{x} = \sup_{i \in I} \left\{ p_{i}(x) \times q \right\} = \inf_{i \in I} \left\{ p_{i}(x) \times q \right\}$
Apply this to (Y, y).
Applely this to the following situation: Ri is the rule: If z is in the C
Ri is the rule: If x is in the fazzy singlet on of them y is in the fazzy singlet on of
then y is in the fazzy singleton of in the fazzy singleton to in them is connective as in as well as and assuming that a fazzy control map from (V) is to be a fazzy control map from (V)
In two differents ways, justify these two witer to
< li>f = sup [5] show that My := sup [5] (x) & T(1)
singleton in (X, T) show that M_{2} : = sub $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \infty & g \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \infty \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} & \sigma_{i} \\ \sigma_{i} & \sigma_{i} \end{bmatrix}$ $\begin{bmatrix} \sigma_{i} & \sigma_{i} &$
. Explain the compositional rule of inference and deduce
the Generalized Modus Ponens from it. Provide one
the Generalized Modus Ponens from it. Provide one instance of the use of generalized modus ponens.
- Explain the Zalah Estension Principle and use it to define
addition and division of fuzzy quantities, i.e. functions [R -> [0,1]. Prove that every real number
can be regarded as a fuzzy quantity and explain
The fully quintilly explain

3. Explain the Zatch Extension Principle and use it is define addition and division of fuzzy quantities, the functions [R -> [0,1]. Prove that every real number can be regarded as a fuzzy quantity and explain the correct meaning of the statement "division by zero is possible in the arithmetic of fuzzy quantities".