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A_1					
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$$a < b < c$$

$$(l_{ij}, m_{ij}, u_{ij})$$

$$l_{ij} < m_{ij} < u_{ij}$$

$$w_j \quad w_i$$

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$$\mu_{ij}\left(\frac{w_i}{w_j}\right) = \begin{cases} \frac{\left(\frac{w_i}{w_j} - l_{ij}\right)}{m_{ij} - l_{ij}}, & \frac{w_i}{w_j} \leq m_{ij} \\ \frac{\left(u_{ij} - \frac{w_i}{w_j}\right)}{u_{ij} - m_{ij}}, & \frac{w_i}{w_j} \geq m_{ij} \end{cases}$$

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$$l_{ij} < w_i / w_j < u_{ij}$$

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$$w_i / w_j = m_{ij}$$

(a,b,c)

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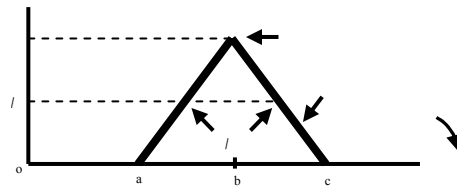
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$$\mu_P(w) = \min_{ij} \{ \mu_{ij}(w) \mid i = 1, \dots, n-1; j = 2, \dots, n; j > i \}$$

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$$\lambda^* = \mu_P(w^*) = \max_{w \in Q^{n-1}} \min_{ij} \{ \mu_{ij}(w) \}$$

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$$\mu_{\tilde{N}}(x) = \begin{cases} (x-a)/(b-a) & a \leq x \leq b \\ (c-x)/(c-b) & b \leq x \leq c \\ 0 & \text{otherwise} \end{cases}$$

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■ $\lambda \leq \mu_{ij}(w), i = 1, 2, \dots, n-1, j = 2, 3, \dots, n, j > i$ ()

) () $\sum_{l=1}^n w_l = 1, w_l > 0, l = 1, 2, \dots, n$ ()

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() $(m_{ij} - l_{ij})\lambda w_j - w_i + l_{ij}w_j \leq 0,$
 $i = 1, 2, \dots, n-1, j = 2, 3, \dots, n, j > i$ ()

- [] $(u_{ij} - m_{ij})\lambda w_j + w_i - u_{ij}w_j \leq 0,$
 $i = 1, 2, \dots, n-1, j = 2, 3, \dots, n, j > i$ ()

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- $\sum_{k=1}^n w_k = 1, w_k > 0, k = 1, 2, \dots, n$ ()

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(A, B, C) :

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	A	B	C
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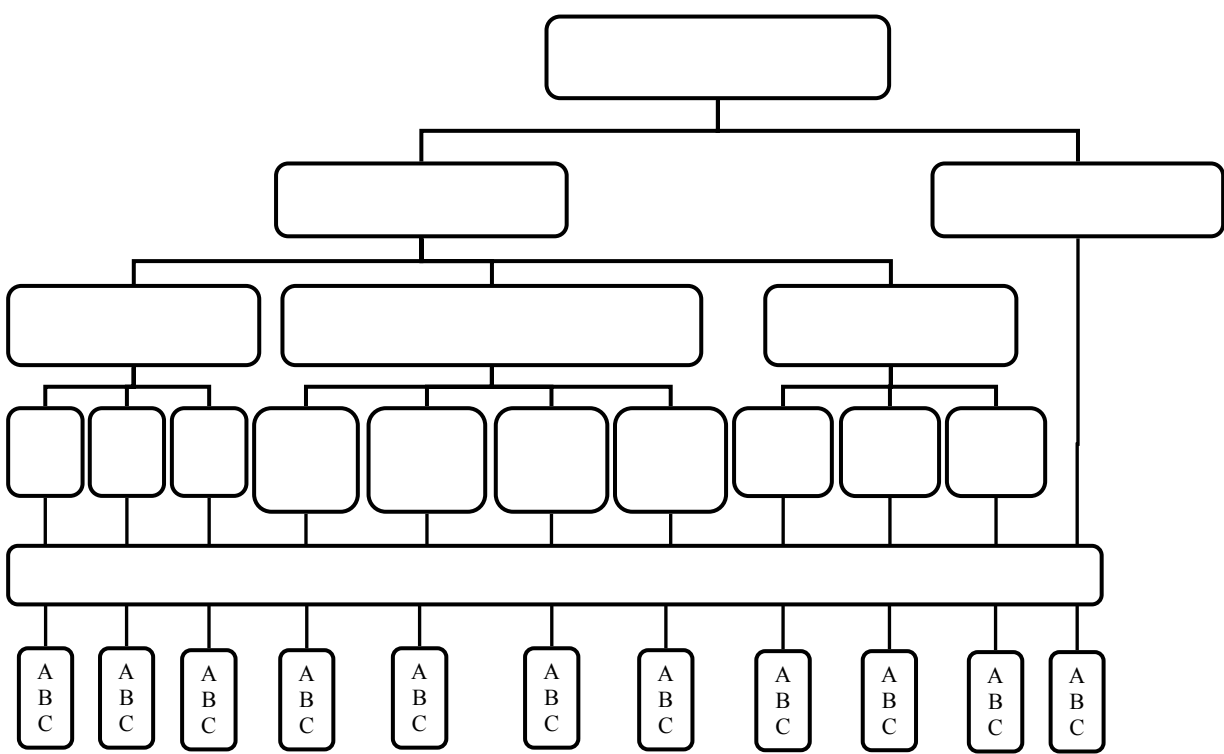
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(I-IV) :A
 (V-VIII) :B
 (IX-XIII) :C

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	A	B	C
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≤	A	B	C
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C	()	()	

	A	B	C
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(A, B, C)
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$\lambda ()$

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B	()		(/ / / /)
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	A	B	C
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B	(/)		(/ / / /)
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>	A	B	C
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- 1 - Mitigation
 - 2 - Preparedness
 - 3 - Response
 - 4 - Recovery
 - 5 - Earthquakes Vulnerability Index System
 - 6 - Diagonal Principal
 - 7 - Reciprocity
 - 8 - Transitivity
 - 9 - Independence
 - 10 - Homogeneity
 - 11 - Equal Importance
 - 12 - Weak Importance
 - 13 - Moderate Importance
 - 14 - Moderate Plus
 - 15 - Strong Importance
 - 16 - Strong Plus
 - 17 - Very Strong
 - 18 - Very, Very Strong
 - 19 - Extreme Importance
 - 20 - Consistency Index
 - 21 - Consistency Ratio
 - 22 - Ratio Index
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