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(A_5 A_1)

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c	A_1	A_2	A_3	A_4	A_5
A_1					
A_2					
A_3					
A_4					
A_5					

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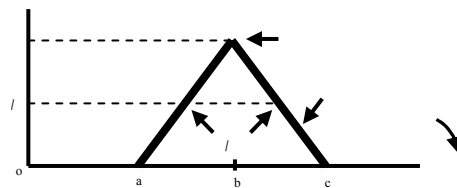
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$$\mu_P(w) = \min_{ij} \{ \mu_{ij}(w) \mid i = 1, \dots, n-1; j = 2, \dots, n; j > i \}$$

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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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$\lambda \leq \mu_j(w), i = 1, 2, \dots, n-1, j = 2, 3, \dots, n, j > i$
()

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

$(m_{ij} - l_{ij})\lambda w_j - w_i + l_{ij}w_j \leq 0,$
[]

$i = 1, 2, \dots, n-1, j = 2, 3, \dots, n, j > i$
()

$(u_{ij} - m_{ij})\lambda w_j + w_i - u_{ij}w_j \leq 0,$
[]

$i = 1, 2, \dots, n-1, j = 2, 3, \dots, n, j > i$
()

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

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	A	B	C
A		(/ / /)	(/ / /)
B	()		(/)
C	()	(/)	

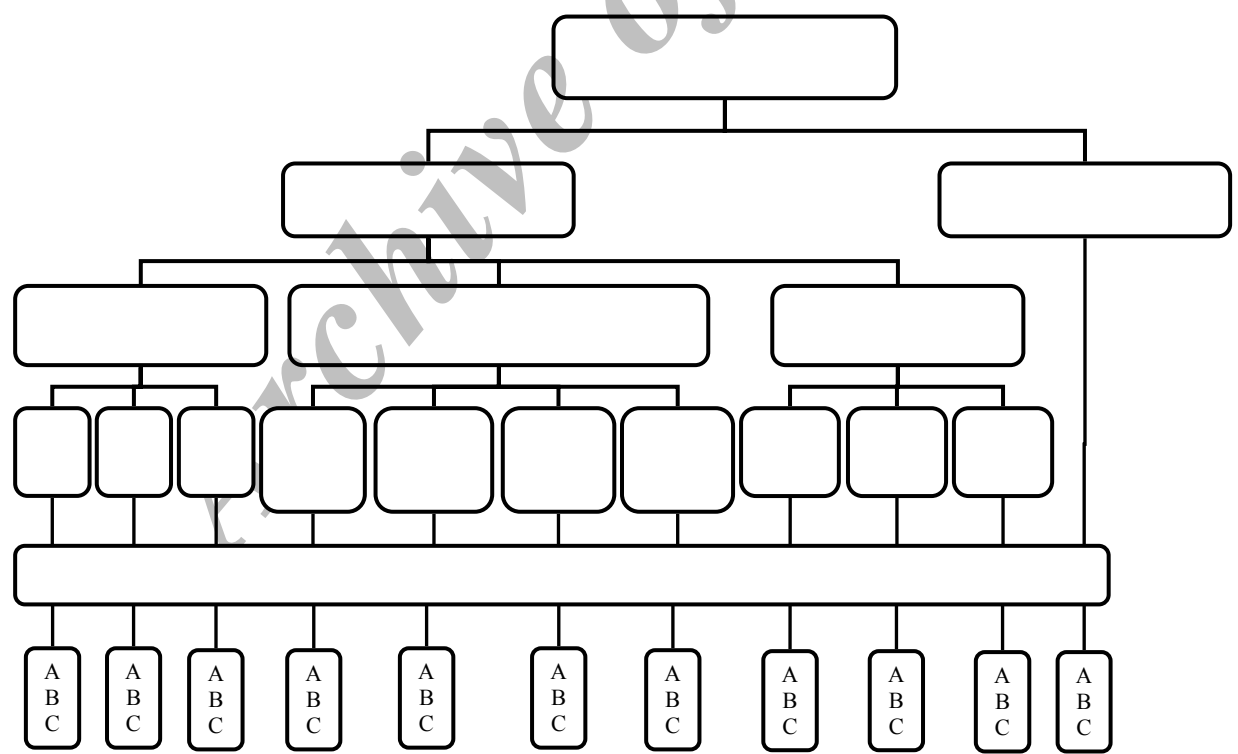
()

:

	A	B	C
A		(/ / /)	(/ / /)
B	()		(/)
C	()	(/)	

:

	A	B	C
A		(/ / /)	(/ / /)
B	()		(/)
C	()	(/)	



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

:

-	A	B	C
A		(/ / /)	(/ / /)
B	()		(/ /)
C	()	()	

	A	B	C
A		(/ /)	(/ / /)
B	()		(/ / /)
C	()	()	

≤	A	B	C
A		(/ /)	(/ / /)
B	()		(/ / /)
C	()	()	

	A	B	C
A		(/)	(/ / /)
B	(/)		(/ / /)
C	()	()	

(A, B, C)
 () ()
 () () ()
 ()

$\lambda ()$

	A	B	C
A		(/ / /)	(/ / /)
B	()		(/)
C	()	(/)	

	A	B	C
A		(/ /)	(/ / /)
B	()		(/ / /)
C	()	()	

	A	B	C
A		(/)	(/ / /)
B	(/)		(/ / /)
C	()	()	

>	A	B	C
A		(/ / /)	(/ / /)
B	()		(/)
C	()	(/)	

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		:
A	B	C
/	/	/

() CR

B A

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A B

/ B C /

/ A 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