



LOW
AVERAGE
HIGH

Fuzzy Term Set
of Antecedents

Antecedent 1:
Agent's Life in Water

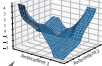
	Antecedent 2: Agent Life Length (Normalized)		
	LOW	AVERAGE	HIGH
LOW	LOWER (1)	LOW (2)	HIGHER (3)
AVERAGE	HIGH (4)	LOW (2)	LOWER (1)
HIGH	HIGHEST (5)	LOW (2)	AVERAGE (3)



LOWER
LOW
AVERAGE
HIGH
HIGHEST

Fuzzy Term Set
of Consequents

Consequent 1



Calculating the Input-to-Output
(Antecedent-to-Consequent)
fuzzy feedback function with \mathbf{z}^{rules}

$$\mathbf{z}^{rules} = [1 \ 2 \ 5 \ 4 \ 2 \ 1 \ 6 \ 2 \ 3]$$