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Revisiting fuzzy set operations: a rational approach for designing set operators for type-2 fuzzy sets and type-2 like fuzzy sets

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Highlights:

- A framework termed Probabilistic Linguistic Computing (PLC) was previously proposed.
- PLC provides an accessible pathway for tailor-making type-1 fuzzy set operators.
- In this article, PLC is extended to type-2 and type-2-like fuzzy settings.
- Thus, non-experts can easily tailor-make set operators in higher-order fuzzy settings.
- This empowers non-experts to use higher-order fuzzy sets in their application domains.

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