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Chapter : 1

Section : 1

Exercise : 45

Ques.

The truth value of the <sup>negation of a proposition</sup> ~~conjunction of two propositions~~ in fuzzy logic is the minimum of the truth values of the ~~truth propositions~~. Is 1 minus the truth value of the proposition. What are the truth values of the statements "Fred is not happy" and "John is not happy?"

Ans.

For "Fred is not happy", truth value is  $1 - 0.8 = 0.2$   
For "John is not happy", truth value is  $1 - 0.4 = 0.6$ .