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Chapter:1
Section:1
Exercise:48

QUESTION:Is the assertion "This statement is false" a proposition???
ANSWER:The statement is a paradox.It is not possible to assign a consistent true value to the statement because it contradicts itself. for example ,lets assume it is a proposition and it is true.This statement is false leads one to conclude that the statement itself is false,which is in contradiction with the assumption.If it was assumed the proposition is false,then this statement is false which means this statement must be true,which is also a contradiction.