

34. Statement $(p \rightarrow q) \leftrightarrow (\sim q \rightarrow \sim p)$

(1) is contradiction

(2) is tautology

(3) is neither contradiction nor tautology

(4) none of these

34. (2) $(\sim q \rightarrow \sim p)$ is contrapositive of $(p \rightarrow q)$.

Therefore, $(p \rightarrow q) \leftrightarrow (\sim q \rightarrow \sim p)$ is tautology.