

26. The statement $\sim(p \leftrightarrow \sim q)$ is:

[Main 2014]

- (a) a tautology
- (b) a fallacy
- (c) equivalent to $p \leftrightarrow q$
- (d) equivalent to $\sim p \leftrightarrow q$

.....

				(i)	(ii)	
	p	q	$\sim q$	$p \leftrightarrow \sim q$	$\sim(p \leftrightarrow \sim q)$	$p \leftrightarrow q$
26. (c)	F	F	T	F	T	T
	F	T	F	T	F	F
	T	F	T	T	F	F
	T	T	F	F	T	T

From column (i) and (ii) are equivalent.

Clearly equivalent to $p \leftrightarrow q$