## 1 Vacuously True

Р	Q	$P \Longrightarrow$	Q
Т	Т		Τ
$\overline{T}$	F		F
F	Т		Т
F	F		Τ

Because of Biconditional being the equality in logic vacuous statements are true. False must be equivalent to false, create both conditionals being vacuously true to accomplish logical equivalence.