5. Building out a truth table, we can see both statements are equivalent,

 $P = O \setminus (P \setminus O) \land (P \land O) \setminus (P \land O) \setminus (O \land P)$

<i>P</i>	Q	$(P \lor Q) \land \neg (P \land Q)$	$(P \land \neg Q) \lor (Q \land \neg P)$
T	T	F	F
T	F	Т	T
F	T	T	T
F	F	F	F
		•	•