Line	Formula	Justification	
1	$((p \to q) \to (q \to p))$	Asmp. I	
2	$((\neg p \lor q) \to (q \to p))$	Conditional Law	
3	$((\neg p \lor q) \to (\neg q \lor p))$	Conditional Law	
4	$(\neg(\neg p \lor q) \lor (\neg q \lor p))$	Conditional Law	
5	$(\neg(q\vee\neg p)\vee(\neg q\vee p))$	Commutation	http://soitpw10001.shared.sydney.edu.au:8080/proof/1029
6	$((\neg q \land \neg \neg p) \lor (\neg q \lor p))$	de Morgans Laws	
7	$(((\neg q \land \neg \neg p) \lor \neg q) \lor p)$	Associativity	
8	$((\neg q \lor (\neg q \land \neg \neg p)) \lor p)$	Commutation	
9	$(\neg q \lor p)$	Absorption	
10	$(q \to p)$	Conditional Law	