Line	Formula	Justification	
1	$(((\neg p \lor q) \land (r \lor p)) \land (r \lor q))$	Asmp. I	
2	$((\neg p \lor q) \land ((r \lor p) \land (r \lor q)))$	Associativity	
3	$((\neg p \lor q) \land (r \lor (p \land q)))$	Distributivity	
4	$(((\neg p \lor q) \land r) \lor ((\neg p \lor q) \land (p \land q)))$	Distributivity	
5	$(((\neg p \lor q) \land r) \lor ((\neg p \lor q) \land (q \land p)))$	Commutation	
6	$(((\neg p \lor q) \land r) \lor (((\neg p \lor q) \land q) \land p))$	Associativity	
7	$(((\neg p \lor q) \land r) \lor ((q \land (\neg p \lor q)) \land p))$	Commutation	
8	$(((\neg p \lor q) \land r) \lor ((q \land (q \lor \neg p)) \land p))$	Commutation	http://soitpw10001.shared.sydney.edu.au:8080/proof/913
9	$(((\neg p \lor q) \land r) \lor (q \land p))$	Absorption	
10	$(((\neg p \lor q) \land r) \lor ((q \land p) \lor \bot))$	Unsatisfiability	
11	$(((\neg p \lor q) \land r) \lor ((q \land p) \lor (p \land \neg p)))$	Constants	
12	$(((\neg p \lor q) \land r) \lor ((p \land q) \lor (p \land \neg p)))$	Commutation	
13	$(((\neg p \lor q) \land r) \lor (p \land (q \lor \neg p)))$	Distributivity	
14	$(((\neg p \lor q) \land r) \lor ((q \lor \neg p) \land p))$	Commutation	
15	$(((\neg p \lor q) \land r) \lor ((\neg p \lor q) \land p))$	Commutation	
16	$((\neg p \lor q) \land (r \lor p))$	Distributivity	