

1. $\neg P \vee \neg Q$	$\vdash \neg P \vee \neg Q$	.....A
2. $\neg P$	$\vdash \neg P$	.....A
3. $P \wedge Q$	$\vdash P \wedge Q$	.....A
4. $P \wedge Q$	$\vdash P$	.....3, $\wedge E$
5. $\neg P, P \wedge Q$	$\vdash \neg P$	.....2
6. $\neg P$	$\vdash \neg(P \wedge Q)$	.....4,5, $\neg I$
7. $\neg Q$	$\vdash \neg Q$	.....A
8. $P \wedge Q$	$\vdash Q$	.....3, $\wedge E$
9. $\neg Q, P \wedge Q$	$\vdash \neg Q$	.....7
10. $\neg Q$	$\vdash \neg(P \wedge Q)$	.....8,9, $\neg I$
11. $\neg P \vee \neg Q$	$\vdash \neg(P \wedge Q)$	.....1,6,10, $\vee E$
12.	$\vdash (\neg P \vee \neg Q) \supset \neg(P \wedge Q)$	.....11, $\supset I$