1.	$(p \lor q) \lor r$	premise
2.	$(p \lor q)$	assumption
3.	p	assumption
4.	$p \lor (q \lor r)$	$\lor i_1$, 3
5.	q	assumption
6.	$q \lor r$	$\lor i_1$, 5
7.	$p \lor (q \lor r)$	$\lor i_2$, 6
8.	$p \lor (q \lor r)$	$\lor e$, 2, 3–4, 5–7
9.	r	assumption
10.	$q \lor r$	$\lor i_2$, 9
11.	$p \lor (q \lor r)$	$\lor i_2$, 10
12.	$p \lor (q \lor r)$	$\lor e$, 1, 2–8, 9–11