

Here is an example where Disjunction Elimination is used to derive a new disjunction.

Here are two further examples that use Disjunction Elimination to derive singular propositions

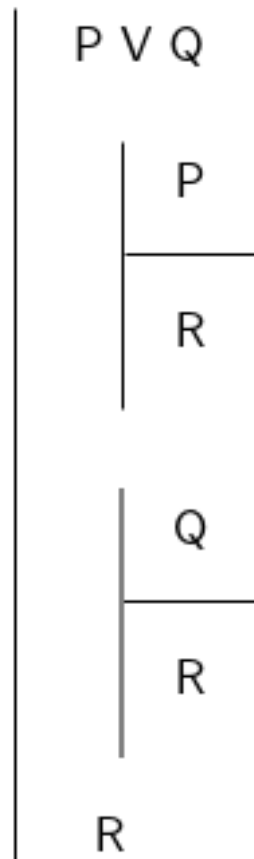


Figure 1: disjunc-elim.png

Here is an example where Disjunction Elimination is used to derive a new disjunction.

Here are two further examples that use Disjunction Elimination to derive singular propositions

1	A & B v (C & D)	Assump
2	A & B	Assump
3	B	2 & Elim
4	B v D	3 v Intro
5	C & D	Assump
6	D	5 & Elim
7	B v D	6 v Intro
8	B v D	1, 2-4, 5-7 v Elim

Figure 2: proofs-drawio-Page-6.drawio.png

1	(B & A) v (A & C)	Assump
2	B & A	Assump
3	A	2 & Elim
4	A & C	Assump
5	A	4 & Elim
6	A	1, 2-3, 4-5 v Elim

1	(B & A) V A	Assump
2	B & A	Assump
3	A	2 & Elim
4	A	Assump
5	A	4 Reit
6	A	1, 2-3, 4-5 V Elim