

| | | | |
|--|---|---|---|
| | P | V | Q |
| | | P | |
| | | — | |
| | | R | |
| | | — | |
| | | Q | |
| | | — | |
| | | R | |
| | | — | |
| | | R | |

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 |