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|-----|---|------------------------------|
| 1: | $P \rightarrow \neg(Q \rightarrow R)$ | assumption |
| ... | | |
| 2: | $P \rightarrow Q$ | |
| ... | | |
| 3: | P | |
| 4: | $\neg(Q \rightarrow R)$ | assumption |
| 5: | P | assumption |
| ... | | |
| 6: | $\neg R$ | |
| 7: | $P \rightarrow \neg R$ | $\vdash \rightarrow$ 5-6 |
| 8: | $P \rightarrow \neg R$ | $\rightarrow \vdash$ 1,3,4-7 |
| 9: | $(P \rightarrow Q) \wedge (P \rightarrow \neg R)$ | $\vdash \wedge$ 2,8 |