

1. $(\exists x)(R(x) \vee S(x))$

2. $R(a) \vee S(a)$

3. $[(\exists x)R(x)]'$

4. $(\forall x)R(x)'$

5. $R(a)'$

6. $S(a)$

7. $(\exists x)S(x)$

8. $[(\exists x)R(x)]' \rightarrow (\exists x)S(x)$

9. $(\exists x)R(x) \vee (\exists x)S(x)$

hyp

1, ei

temp hyp

4, ui

2, 5 ds

temp hyp discharged

8, imp