Домашнее задание по Математической логике №5

Приложение 2. Метод резолюций

Часть 6.30001 - 35000

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$$1. \ e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,6$$

$$2. \ e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor t_{e_{4,6},\,\neg e_{5,6}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,6},\,e_{2,6}} \lor \neg t_{e_{3,6},\,e_{2,6}} \lor \neg t_{e_{3,6},\,e_{3,6}} \lor \neg t_{e_{3,6},\,e_{3,6}}$$

$$3. \ e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \lor \neg e_{3,5} \lor t_{e_{1,6},\,e_{2,6}} \lor \neg e_{3,5} \lor \neg e_{3,6} \lor \neg e_{3,5} \lor \neg e_{3,5} \lor \neg e_{3,6} \lor \neg e_{3,5} \lor \neg e_{3,6} \lor \neg e_{3,6$$

$$4. \ e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,6},\,e_{2,6}}$$

5.
$$e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor t_{e_{1,6}, e_{2,6}}$$

6.
$$e_{3,6} \lor t_{e_{1,6},e_{2,6}} \lor t_{e_{4,6},\neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\neg e_{3,6}} \vdash e_{3,5} \lor t_{e_{4,6},\neg e_{5,6}} \lor \neg t_{e_{3,5},\neg e_{3,6}} \lor t_{e_{1,6},e_{2,6}}$$

$$7. \ e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \lor \neg e_{3,5} \lor t_{e_{1,6},\,e_{2,6}} \lor \neg e_{3,5} \lor \neg e_{3,6} \lor \neg e_$$

8.
$$e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor t_{e_{1,6}, e_{2,6}}$$

$$9. \ e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \lor \neg e_{3,5} \lor t_{e_{1,6},\,e_{2,6}} \lor \neg e_{3,5} \lor \neg e_{3,6} \lor \neg e_$$

10.
$$e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{4,6}, \neg e_{5,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, e_{2,6}}$$

11.
$$e_{3,6} \lor t_{e_{1,6},e_{2,6}} \lor t_{e_{4,6},\neg e_{5,6}}, \neg e_{3,6} \lor t_{e_{1,3},e_{2,3}} \vdash t_{e_{4,6},\neg e_{5,6}} \lor t_{e_{1,3},e_{2,3}} \lor t_{e_{1,6},e_{2,6}}$$

$$12. \ e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor t_{e_{4,6},\,\neg e_{5,6}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,6},\,e_{2,6}}$$

$$13. \ e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{e_{4,6}, \neg e_{5,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$14. \ e_{3,6} \lor t_{e_{1,6},e_{2,6}} \lor t_{e_{4,6},\neg e_{5,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6},\neg e_{2,6}} \lor t_{e_{4,6},e_{5,6}} \vdash t_{e_{4,6},e_{5,6}} \lor t_{e_{4,6},\neg e_{5,6}} \lor t_{e_{1,6},e_{2,6}} \lor t_{\neg e_{1,6},\neg e_{2,6}} \lor t_{\neg e_{1$$

$$15. \ e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,e_{5,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,e_{5,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e$$

$$16. \ e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor t_{e_{4,6}, \neg e_{5,6}$$

17.
$$e_{3,6} \lor t_{e_{1,6},e_{2,6}} \lor t_{e_{4,6},\neg e_{5,6}}, \neg e_{3,6} \lor t_{e_{1,6},\neg e_{2,6}} \lor t_{\neg e_{4,6},e_{5,6}} \vdash t_{\neg e_{4,6},e_{5,6}} \lor t_{e_{4,6},\neg e_{5,6}} \lor t_{e_{1,6},\neg e_{2,6}} \lor t_{e_{1,6},e_{2,6}} \lor t_{e_$$

$$18. \ e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}}, \neg e_{3,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \vdash t_{e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{$$

19.
$$e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash t_{e_{4,6}, \neg e_{5,6}} \lor e_{3,6} \lor e_{1,6} \lor e_{2,6}$$

$$20. \ e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}}, \neg e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash t_{e_{4,6},\,\neg e_{5,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e$$

$$21. \ e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6},\,e_{2,6}} \vdash t_{e_{4,6},\,\neg e_{5,6}} \lor e_{3,6} \lor e_{1,6} \lor e_{2,6}$$

$$22. \ e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}}, \neg e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,e_{5,6}} \vdash t_{e_{4,6},\,e_{5,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,6},\,$$

$$23. \ e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6},\,e_{2,6}} \vdash t_{e_{4,6},\,\neg e_{5,6}} \lor e_{3,6} \lor e_{1,6} \lor e_{2,6}$$

$$24. \ e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6},\,e_{2,6}} \vdash t_{e_{4,6},\,\neg e_{5,6}} \lor e_{3,6} \lor e_{1,6} \lor e_{2,6}$$

$$25. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$26. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$27. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$28. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$29. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$30.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

31.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$32. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$33. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$34. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

35.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

36.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$37. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$38. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

39.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$40. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$41. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$42. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

43.
$$t_{e_{1,2},e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\neg e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\neg e_{2,3}} \lor e_{1,3}$$

$$44. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$45. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$46. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$47. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$48. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$49. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$50. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$51. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$52. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$53. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$54. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$55. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$56. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$57. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$58. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$59. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$60.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$61. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

62.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

63.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$64. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$65. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

66.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$67. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$68. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$69. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

70.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

71.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

72.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

73.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

74.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

75.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$76. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

77.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

78.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

79.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$80. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$81. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$82. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$83. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$84. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$85. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$86. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

87.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$88. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

89.
$$t_{e_{1,2},e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\neg e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\neg e_{2,3}} \lor e_{1,3}$$

90.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$91. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

92.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

93.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

94.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$95. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

96.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

97.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$98. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$99. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

100.
$$t_{e_{1,2},e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\neg e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\neg e_{2,3}} \lor e_{1,3}$$

$$101. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$102. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$103. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$104. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$105. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$106. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$107. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

108.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$109. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

110.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

111.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$112. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$113. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$114. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$115. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$116.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

117.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$118.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$119. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

120.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$121. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$122. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$123. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

124.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

125.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$126. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

127.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$128. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$129.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$130. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$131. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$132. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$133. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$134.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

135.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$136. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

137.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$138. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

139.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

140.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$141. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

142.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

143.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$144. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$145. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$146.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

147.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

148.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$149. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

150.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

151.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

152.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

153.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

154.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$155. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$156. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$157. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$158.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

159.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$160.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$161. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$162. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$163. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$164. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$165. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

166.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$167. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$168. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$169. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

170.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

171.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

172.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$173. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

174.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

175.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$176. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$177. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

178.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

179.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$180. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

181.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$182. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

183.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$184. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$185. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$186. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$187. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$188. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$189. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$190. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

191.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$192. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

193.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$194. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$195. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$196.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

197.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

198.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$199. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$200. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$201. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$202. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$203. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$204. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

205.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$206. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$207. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$208. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$209. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$210. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$211. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$212. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

213.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$214. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$215. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$216. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$217. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$218. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$219. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$220.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$221. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$222. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$223. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$224. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$225. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$226. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$227. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$228. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$229. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$230. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$231. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$232. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$233. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$234. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

235.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$236. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$237. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$238. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$239. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

240.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$241. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$242. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$243. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$244. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

245.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$246. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$247. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$248. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$249. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$250. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$251. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$252. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$253. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$254. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$255. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$256. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$257. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$258. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$259. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$260. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$261. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$262. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$263. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$264.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$265. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$266. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

267.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$268. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$269. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

270.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$271. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$272. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$273. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$274. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$275. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$276. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$277. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$278.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

279.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$280. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$281. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$282. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$283. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$284. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$285. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

286.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

287.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

288.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$289. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$290. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$291. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$292. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$293.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

294.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$295. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$296. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$297. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$298. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$299. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$300.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$301. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$302. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$303. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$304. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$305. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

306.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$307. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$308. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

309.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$310. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$311. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

312.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

313.
$$t_{e_{1,2},e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\neg e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\neg e_{2,3}} \lor e_{1,3}$$

$$314. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$315. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

316.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

317.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

318.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$319. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$320.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

321.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$322. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$323. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$324. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$325. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$326. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$327. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

328.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$329. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$330. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$331. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

332.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

333.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$334. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$335. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

336.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$337. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$338. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$339. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

340.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$341. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

342.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

343.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

344.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$345. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$346. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$347. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$348. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$349. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$350. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$351. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$352. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$353. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$354. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$355. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$356.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$357. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

358.
$$t_{e_{1,2},e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

359.
$$t_{e_{1,2},e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$360.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$361. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$362. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$363. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$364. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$365. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$366.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$367. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$368. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$369.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$370.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

371.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

372.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$373. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$374. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

375.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$376. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$377. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$378. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$379. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$380. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$381. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

382.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

383.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$384. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$385. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

386.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

387.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$388. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$389. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

390.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$391. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$392. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

393.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

394.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$395. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$396. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

397.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

398.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$399. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$400. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$401. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

402.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$403. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$404. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$405. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$406.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$407. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$408.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

409.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$410. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$411. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$412. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

413.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

414.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$415. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$416. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$417. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$418. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$419.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$420. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

421.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$422. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

$$423. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

424.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$425. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$426. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$427. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$428. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

429.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$430.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$431. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

432.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

433.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

434.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$435. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

436.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

437.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$438. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

439.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$440.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

441.
$$t_{e_{1,2},e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\neg e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\neg e_{2,3}} \lor e_{1,3}$$

$$442. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$443. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

444.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$445. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$446.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$447. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$448. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$449. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$450. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$451. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$452. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$453. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$454. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$455. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

456.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$457. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$458. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$459. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$460. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

461.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$462. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

463.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

464.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$465. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$466. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$467. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$468. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$469. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$470.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$471. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$472. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$473. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$474. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

475.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$476. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$477. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

478.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

479.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$480. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$481. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$482. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

483.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$484. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$485. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$486. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$487. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$488. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

489.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

490.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$491. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$492. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$493.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$494.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

495.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$496. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$497. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$498. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$499. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$500. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$501. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

502.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$503. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$504. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$505.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$506. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$507. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$508. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$509. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$510. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$511. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$512. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$513.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$514. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$515. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$516.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$517. \ \ t_{e_{1,2}, \, e_{1,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$518. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$519. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$520.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$521. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$522. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$523. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$524. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$525. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$526.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$527. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$528. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$529. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$530. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$531. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$532. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$533. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$534. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$535. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$536.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$537. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$538. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$539.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$540. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$541. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$542. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$543. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$544. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$545.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$546. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$547. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$548. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

549.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$550. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$551. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$552. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$553. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$554. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$555. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

556.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$557. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$558. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$559. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$560. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$561.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$562. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$563. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$564. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$565. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$566.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$567. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$568.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$569. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$570. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$571. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$572. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$573. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

574.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$575. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

576.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$577. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$578. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$579.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$580. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$581. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$582. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

583.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$584. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$585. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

586.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$587. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$588. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$589. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$590.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$591. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$592. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$593.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$594. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$595. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$596. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$597. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$598. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$599.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$600.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$601. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

602.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$603. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$604. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$605. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$606. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$607. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$608. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$609. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

610.
$$t_{e_{1,2},e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\neg e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\neg e_{2,3}} \lor e_{1,3}$$

$$611. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$612. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

613.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

614.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$615. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$616.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

617.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

618.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$619. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$620. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$621. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$622. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

623.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$624. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

625.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

626.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

627.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$628. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$629.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

630.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$631. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$632. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

633.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$634. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$635. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$636. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

637.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$638. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$639. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$640.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$641. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$642. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$643. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$644. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$645. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$646. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$647. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$648.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$649. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

650.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$651. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

652.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

653.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$654. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$655. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$656.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

657.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$658.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$659.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$660.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

661.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

662.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$663. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

664.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$665. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$666. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

667.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$668. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

669.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$670. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$671. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

672.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$673. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$674. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

675.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$676. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

677.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$678. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

679.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$680.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$681. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$682. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

683.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

684.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$685. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

686.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

687.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$688.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$689. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$690. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

691.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$692. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

693.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

694.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

695.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

696.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$697. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$698. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$699.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$700. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

701.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

702.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

703.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

704.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

705.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

706.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$707. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

708.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

709.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

710.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

711.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

712.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

713.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

714.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

715.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$716. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

717.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

718.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

719.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

720.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

721.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

722.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

723.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

724.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

725.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

726.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

727.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

728.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

729.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

730.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

731.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$732. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

733.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

734.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

735.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

736.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

737.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

738.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$739. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$740.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

741.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$742. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$743. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$744. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

745.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

746.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

747.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

748.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

749.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

750.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

751.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

752.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

753.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

754.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

755.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

756.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

757.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

758.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

759.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

760.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

761.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

762.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

763.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

764.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

765.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$766. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

767.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

768.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

769.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$770. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

771.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

772.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

773.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$774. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

775.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

776.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

777.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

778.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

779.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

780.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

781.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

782.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

783.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

784.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

785.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

786.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

787.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

788.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

789.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

790.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

791.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

792.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

793.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

794.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

795.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

796.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

797.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

798.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

799.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$800.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$801. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$802. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$803. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

804.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$805.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$806.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$807. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$808.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$809.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$810. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$811. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$812. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

813.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

814.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

815.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

816.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

817.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

818.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

819.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$820. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

821.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

822.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

823.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

824.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

$$825. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

826.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$827. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$828. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

829.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

830.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

831.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

832.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$833. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

834.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$835. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$836.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

837.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$838. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

839.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$840.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

841.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$842. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$843. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$844. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$845. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

846.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$847. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

848.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$849. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$850.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$851. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$852. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

853.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$854. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$855. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

856.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$857. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$858.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$859.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$860.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

861.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$862. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$863.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$864. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$865. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

866.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$867. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$868.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$869.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$870. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

871.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

872.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

873.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

874.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

875.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$876.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

877.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

878.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

879.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

880.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

881.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$882. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

883.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

884.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$885. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$886.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$887. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$888.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$889. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$890.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$891. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$892. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$893.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$894. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$895.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$896.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$897. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$898.\ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

899.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

900.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

901.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

902.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

903.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

904.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

905.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

906.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

907.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

908.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

909.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

910.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

911.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

912.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

913.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

914.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

915.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

916.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

917.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

918.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

919.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

920.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$921. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

922.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$923. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$924. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

925.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

926.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

927.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

928.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

929.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

930.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

931.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

932.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

933.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

934.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

935.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

936.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

937.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

938.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

939.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

940.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

941.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

942.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

943.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

944.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

945.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

946.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

947.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

948.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

949.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

950.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

951.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

952.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

953.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

954.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

955.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

956.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

957.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

958.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

959.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

960.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

961.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

962.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

963.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

964.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

965.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

966.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

967.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

968.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

969.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$970. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

971.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

972.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

973.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

974.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

975.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \vee \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

976.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

977.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

978.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

979.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

980.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

981.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

982.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

983.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

984.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

985.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

986.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

987.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

988.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$989. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$990. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

991.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

992.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

993.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

994.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

995.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$996. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$997. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

998.
$$t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,3} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vee e_{1,3}$$

$$999. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1000. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1001. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1002. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1003. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1004. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1005. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1006. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1007. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1008.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1009. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1010. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1011.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1012. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1013. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1014.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1015.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1016. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1017. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1018. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1019. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1020. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1021. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1022. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1023. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1024. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1025. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1026. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1027. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1028. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1029. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1030. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1031. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1032. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1033. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1034.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1035.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1036. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1037.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1038.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1039. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1040. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1041.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1042.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1043. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1044. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1045.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1046. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1047. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1048.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1049. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1050. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1051. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1052. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1053. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1054. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1055. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1056. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1057. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1058. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1059. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1060. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1061. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1062.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1063. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1064.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1065. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1066. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1067. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1068. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1069.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1070. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1071. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1072. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1073. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1074. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1075. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1076. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1077. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1078. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1079.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1080. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1081. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1082. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1083. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1084. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1085. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1086. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1087. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1088.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1089.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1090. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1091. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1092. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1093. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1094. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1095.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1096.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1097. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1098. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1099. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1100. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1101. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1102. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1103. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1104. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1105. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1106. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1107. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1108. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1109.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1110. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1111.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1112. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1113. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1114. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1115. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1116.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1117. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1118.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

1119.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1120. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1121. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1122. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1123.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1124. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1125. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1126. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1127. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1128. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1129. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1130. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1131. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1132. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1133.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1134.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1135. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1136.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1137. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1138. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1139. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1140. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1141. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1142.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1143.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1144. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1145.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1146. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1147. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1148. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1149. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1150.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1151. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1152. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1153. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1154. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1155. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1156. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1157. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1158. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1159. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1160. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1161.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1162. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1163. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1164. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1165. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1166.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1167. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1168. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1169.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1170.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1171. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1172. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1173.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1174. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1175. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1176. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1177.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1178. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1179. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1180. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1181.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1182. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1183. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1184.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1185. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1186. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1187.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1188. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1189. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1190.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1191.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1192. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1193. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1194. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1195. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1196. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1197.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1198. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1199.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1200.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1201. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1202. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1203. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1204.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1205. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1206. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1207.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1208. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1209. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1210. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1211.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1212. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1213. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1214. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1215. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1216. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1217. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1218. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1219. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1220. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1221. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1222. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1223. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1224.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1225. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1226. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1227. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1228. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1229. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1230.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1231.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1232. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1233. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1234. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1235. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1236. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1237. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1238. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1239. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1240. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1241. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1242. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1243. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1244. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1245. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1246. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1247. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1248. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1249. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1250. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1251. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1252. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1253. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1254. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1255. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1256. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1257. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1258. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1259. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1260. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1261.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1262. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1263. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1264. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1265. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1266. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1267. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1268. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1269. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1270. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1271.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1272. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1273. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1274. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1275. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1276. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1277. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1278.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1279. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1280. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1281.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1282. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1283. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1284. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1285. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1286. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1287. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1288. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1289. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1290. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1291. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1292.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1293. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1294. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1295. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1296. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1297. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1298.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1299. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1300. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1301. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1302. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1303. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1304.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1305.
$$t_{e_{1,2},e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\neg e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\neg e_{2,3}} \lor e_{1,3}$$

$$1306. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1307.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1308. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1309. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1310. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1311.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1312.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1313. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1314. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1315. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1316. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1317. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1318. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1319. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1320. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1321. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1322. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1323. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1324. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1325. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1326. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1327.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1328. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1329. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1330. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1331.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1332.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1333. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1334.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1335.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1336. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1337. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1338. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1339.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1340. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1341. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1342.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1343. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1344. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1345. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1346. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1347. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1348. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1349.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1350. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1351. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1352.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1353. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1354. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1355. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1356. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1357. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1358. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1359. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1360. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1361.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1362. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1363. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1364. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1365.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1366. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1367. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1368. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1369. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1370. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1371. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1372. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1373. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1374. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1375. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1376. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1377. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1378. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1379. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1380. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1381. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1382. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1383. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1384. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1385.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1386. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1387. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1388. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1389. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1390. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1391. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1392. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1393. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1394. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1395. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1396. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1397.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1398. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1399. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1400. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1401. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1402. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1403. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1404. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1405. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1406. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1407. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1408. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1409. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1410. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1411. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1412. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1413.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1414. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1415. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1416. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1417. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1418. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1419.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1420.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1421. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1422. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1423. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1424.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1425. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1426. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1427. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1428. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1429. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1430.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1431.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1432. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1433. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1434. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1435. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1436. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1437. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1438. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1439.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1440.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1441. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1442. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1443. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1444. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1445. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1446.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1447.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1448. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1449. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1450. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1451. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1452. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1453. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1454. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1455. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1456. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1457. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1458. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1459. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1460. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1461. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1462.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1463. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1464. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1465. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1466. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1467. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1468. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1469. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1470.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1471. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1472. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1473. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1474. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1475. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1476. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1477.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1478. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1479. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1480. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1481. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1482. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1483. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1484. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1485.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1486. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1487.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1488. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1489. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1490. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1491. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1492. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1493. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1494.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1495. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1496. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1497. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1498. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1499. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1500. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1501.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1502. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1503. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1504. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1505. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1506. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1507. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1508. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1509. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1510. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1511. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1512. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1513. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1514. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1515. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1516. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1517. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1518. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1519. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1520.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1521.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1522. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1523.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1524. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1525. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1526. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1527.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1528.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1529. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1530. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1531. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1532. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1533. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1534. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1535. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1536. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1537. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1538. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1539. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1540. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1541. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1542. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1543. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1544. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1545. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1546. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1547.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1548.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1549. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1550.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1551.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1552. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1553. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1554.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1555.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1556. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1557. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1558.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1559. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1560. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1561. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1562. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1563. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1564. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1565. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1566. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1567. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1568. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1569. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1570. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1571. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1572. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1573. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1574.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1575.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1576. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1577.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1578. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1579. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1580. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1581. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1582.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1583. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1584. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1585. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1586. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1587. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1588. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1589. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1590. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1591. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1592.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1593. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1594. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1595. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1596. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1597.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1598. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1599. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1600. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1601. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1602. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1603. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1604. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1605.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1606. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1607. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1608. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1609. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1610. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1611. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1612. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1613. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1614. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1615. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1616. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1617. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1618. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1619. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1620. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1621. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1622.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1623. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1624. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1625. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1626. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1627. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1628. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1629. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1630. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1631. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1632. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1633. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1634. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1635. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1636. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1637. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1638. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1639. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1640. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1641. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1642. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1643. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1644. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1645. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1646. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1647. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1648. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1649. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1650. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1651. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1652. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1653. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1654. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1655. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1656. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1657. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1658. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1659. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1660. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1661. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1662. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1663. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1664. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1665. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1666. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1667. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1668. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1669. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1670. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1671. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1672. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1673. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1674. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1675. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1676. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1677. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1678. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1679. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1680. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1681. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1682.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1683.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1684. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1685. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1686. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1687. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1688. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1689. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1690. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1691. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1692. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1693. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1694. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1695. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1696. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1697. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1698. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1699. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1700. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1701.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1702. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1703.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1704. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1705. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1706. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1707. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1708. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1709. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1710.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1711. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1712.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1713.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1714. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1715. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1716. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1717.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1718. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1719. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1720.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1721. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1722. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1723. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1724. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1725. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1726. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1727. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1728.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1729. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1730. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1731. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1732. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1733. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1734. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1735. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1736.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1737.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1738. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1739. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1740. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1741. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1742. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1743.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1744.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1745. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1746. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1747. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1748. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1749. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1750. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1751. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1752.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1753. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1754. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1755. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1756. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1757. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1758. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1759. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1760. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1761. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1762. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1763.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

1764.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1765. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1766. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1767. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1768. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1769. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1770. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1771.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1772. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1773. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1774.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1775. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1776. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1777. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1778. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1779. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1780. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1781. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1782. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1783. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1784. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1785. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1786. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1787. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1788. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1789. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1790. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1791.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1792. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1793. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1794. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1795. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1796. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1797. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1798.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1799. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1800. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1801.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1802.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1803. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1804. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1805. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1806. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1807. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1808.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1809.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1810. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1811.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1812. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1813. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1814. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1815. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1816. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1817.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

1818.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1819. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1820. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1821.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1822. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1823. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1824. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1825. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1826. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1827. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1828. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1829. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1830.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1831. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1832. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1833. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1834. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1835. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1836. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1837. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1838.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1839. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1840. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1841. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1842. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1843. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1844. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1845.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1846. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1847. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1848.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1849. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1850. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1851. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1852. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1853. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1854. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1855. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1856. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1857. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1858. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1859. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1860. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1861. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1862.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1863.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1864. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1865. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1866. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1867. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1868. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1869. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1870. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1871. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1872.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1873. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1874. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1875.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1876. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1877. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1878.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1879.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1880. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1881. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1882. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1883. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1884. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1885. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1886. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1887. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1888. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1889. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1890. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1891. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1892. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1893. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1894. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1895. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1896. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1897. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1898. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1899. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1900. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1901.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1902. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1903. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1904. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1905.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1906. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1907. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1908. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1909.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1910. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1911.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1912.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1913. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1914. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1915. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1916. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1917.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1918. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1919. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1920. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1921. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1922. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1923. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1924. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1925. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1926. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1927. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1928. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1929.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1930. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1931.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1932.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1933.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1934. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1935.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1936.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1937.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1938.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1939.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1940. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1941.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1942. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1943.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1944.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1945. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1946. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1947. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1948. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1949. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1950. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1951. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1952.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1953.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1954. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1955. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1956. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1957. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1958. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1959. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1960.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1961. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1962. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1963. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1964. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1965. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1966. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1967.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1968.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1969. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1970. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1971.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1972. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1973.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1974. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1975.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1976. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1977. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1978. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1979. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1980.
$$t_{e_{1,2}, e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1981. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1982.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1983.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1984. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1985. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1986. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

1987.
$$t_{e_{1,2},e_{1,3}}, \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1988. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$1989. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1990.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1991.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1992.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1993. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1994. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1995. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1996. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1997.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1998.
$$t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1999. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2000. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2001. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2002. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2003. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2004. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2005. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2006. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2007. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2008. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2009. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2010. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2011. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2012. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2013. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2014. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2015. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2016.\ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2017. \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2018. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2019. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2020. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2021. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2022. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2023. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2024. \ \ t_{e_{1,2},\,e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2025. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2026. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2027. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2028. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2029. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2030. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2031. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2032. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2033. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

2034.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2035. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

2036.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2037. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2038. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2039. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2040. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2041. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2042. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2043. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2044. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2045. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2046. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2047. \ t_{e_{1,2}, \, e_{1,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2048. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2049. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2050. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2051. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2052. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2053. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2054. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2055. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2056. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2}$$

$$2057. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2058. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2059. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2060. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2061. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2062. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

2063.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2064. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2065. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2066. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2067. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2068. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2069. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2070. \ \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2071. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2072. \ t_{e_{1,2},\,e_{1,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2073. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2074. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2075. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2076. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2077. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

2078.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2079. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2080. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2081. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2082. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2083. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2084. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2085. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2086. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2087. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2088. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2089. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2090. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2091. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2092. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2093. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2094. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2095. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2096. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2097. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2098. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2099. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2100. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2101. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2102. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2103. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2104. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2105. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2106. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2107. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2108. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2109.\ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2110. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2111. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2112. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2113. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2114. \ t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$2115. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2116. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

2117.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2118. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2119. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2120. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2121. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2122. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2123. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2124. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2125. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2126. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2127. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2128. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2129. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2130. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2131. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2132. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2133. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2134. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2135. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2136. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2137. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2138. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2139. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2140. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2141. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2142. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2143. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

2144.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$2145. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2146. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2147. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2148. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

2149.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2150. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2151. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2152. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2153. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2154. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2155. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2156. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2157. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2158. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2159. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2160. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2161. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2162. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2163. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2164. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2165. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2166. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2167. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2168. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2169.
$$t_{e_{1,2},e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg t_{e_{1,2},e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor e_{1,2}$$

$$2170. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2171. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2172. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2173. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2174. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2175. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2176. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2177. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2178. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2179. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2180. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2181. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2182. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2183. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2184. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2185. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2186.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2187. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2188. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2189. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2190. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2191. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2192.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2193. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2194. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2195. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2196.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2197. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2198.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2199. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2200. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2201. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

2202.
$$t_{e_{1,2}, e_{2,3}}$$
, $\neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$

$$2203. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2204. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2205. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2206. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2207. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2208. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2209. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2210. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2211. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2212. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2213. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2214. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2215. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

2216.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{\neg e_{1,2},e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2217. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2218. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2219. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2220. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2221. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2222. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2223. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2224. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2225. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2226. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2227. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2228. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2229. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2230. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2231. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2232. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2233. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2234. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2235. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2236. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2237. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2238. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2239. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2240. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2241. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2242. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2243. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2244. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2245. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2246. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2247. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2248. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2249. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2250. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2251. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2252. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2253. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2254. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2255. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2256. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2257. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2258. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2259. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2260. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2261. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2262. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2263. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2264. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2265. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2266. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2267. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2268. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2269. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2270. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2271. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2272. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2273. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2274. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2275. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2276. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

2277.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2278. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2279. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2280.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2281. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2282. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2283. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2284. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2285. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2286. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2287. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2288. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2289. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2290. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2291. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2292. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2293. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2294. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2295. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2296. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2297. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2298. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2299. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2300. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2301. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2302. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2303. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2304. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2305. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2306. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2307. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2308. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2309. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2310. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2311. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2312. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2313. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2314. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2315.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2316. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2317. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2318. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2319. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2320. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2321.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2322. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2323. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2324. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2325. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2326. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2327. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2328. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2329. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2330. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

2331.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2332. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

2333.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2334. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2335. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2336. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2337. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

2338.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2339. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2340. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2341. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2342. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2343. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2344. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2345. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2346. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2347. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2348. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2349. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2350. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2351. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2352. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2353. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2354. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2355. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2356. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2357. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2358. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2359. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2360. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2361. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2362. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2363. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2364. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2365. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2366. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2367. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2368. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2369. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2370. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2371. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2372. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2373. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2374. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2375. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2376. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2377. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2378. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2379. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2380. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2381. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2382. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2383. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2384. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2385. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2386. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2387. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2388. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2389. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2390. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2391. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2392. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2393. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2394. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2395. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2396. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2397. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2398. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2399. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2400. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2401. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2402. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2403. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2404. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2405. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2406. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2407. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2408. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2409. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2410. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2411. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

2412.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2413. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2414. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2415. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2416. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2417. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2418. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2419. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2420. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2421. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2422. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2423. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2424. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2425. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2426. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2427. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2428. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2429. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2430. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2431. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2432. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2433. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2434. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2435. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2436. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2437. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2438. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2439. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2440. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

2441.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2442. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2443. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2444. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2445. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2446.\ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2447. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2448. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2449. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2450. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2451. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2452. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2453. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2454. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2455. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2456. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2457. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2458. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2459. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2460. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2461. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2462. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2463. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2464. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2465. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2466. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2467. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

2468.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2469. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2470. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2471. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2472. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2473. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2474. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2475. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2476. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2477. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2478. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2479. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2480. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2481. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2482. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2483. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2484. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2485. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2486. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2487. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2488. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2489. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2490. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2491. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2492. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2493. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2494. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2495. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2496. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2497. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2498. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2499. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2500. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2501. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2502. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2503. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2504. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2505. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2506. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2507. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2508. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2509. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2510. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2511. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2512. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2513. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2514. \ \ t_{e_{1,2},\, e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{1,2}$$

$$2515. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2516. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2517. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2518. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2519. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2520. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2521. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2522. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2523. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2524. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2525. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2526. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2527. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2528. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2529. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2530. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2531. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2532. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2533. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2534. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2535. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2536. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2537. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2538. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2539. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2540. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2541. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2542. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2543. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2544. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2545. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2546. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2547. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2548. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2549. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2550. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2551. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2552. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2553. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2554. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2555. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2556. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2557. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2558. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2559. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2560. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2561. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2562. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2563. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2564. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2565. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2566. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2567. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2568. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2569. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2570. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2571. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2572. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2573. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2574. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2575. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2576. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2577. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2578. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2579. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2580. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2581. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2582. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2583. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2584. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2585. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2586. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2587. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2588. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2589. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2590. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2591. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2592. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2593. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2594. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2595. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2596. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2597. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2598. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2599. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2600. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2601. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2602. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2603. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2604. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2605. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2606. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2607. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2608.\ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2609. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2610. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2611. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2612. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2613. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2614. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2615. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2616. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2617. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2618. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2619. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2620. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2621. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2622. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2623. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2624. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2625. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2626. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2627. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2628. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2629. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2630. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2631.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2632. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2633. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2634. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2635. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2636. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2637. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2638. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2639. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2640. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2641. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2642. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2643. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2644. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2645. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2646. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2647. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2648. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2649. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2650. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2651. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2652. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2653. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2654. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2655. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2656. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2657. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2658. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2659. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2660. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2661. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2662.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2663. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2664. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2665. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2666. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2667. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2668. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2669. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2670. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2671. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2672. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2673. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2674. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2675. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2676. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2677. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2678. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2679. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2680. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2681. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2682. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2683. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2684. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2685. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2686. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2687. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2688. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2689. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2690. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2691. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2692. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2693. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2694. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2695. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2696. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2697. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2698. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2699. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2700. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2701. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2702. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2703. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2704. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2705. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2706. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2707. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2708. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2709.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2710. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2711. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2712.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2713. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2714. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2715. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

2716.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2717. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2718. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2719. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2720. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2721. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2722. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2723. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2724. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2725. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2726. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2727. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2728. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2729. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2730.\ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2731. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2732. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2733. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2734. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2735. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2736. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2737. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2738. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2739. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2740. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2741. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2742. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2743. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2744. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2745. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2746. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2747. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2748. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2749. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3}$$

$$2750. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2751. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2752. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2753. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2754. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2755. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2756. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2757. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2758. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2759. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2760. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2761. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2762. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

2763.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2764. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2765. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2766. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2767. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2768. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2769. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2770. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2771. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2772. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2773. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2774. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2775. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2776. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2777. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2778. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2779. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2780. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2781. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2782. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2783. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2784. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2785. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2786. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2787. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2788. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2789. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2790. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2791. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2792. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2793. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2794. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2795. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2796. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2797. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2798. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2799. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2800. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2801. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2802. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2803. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2804. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2805. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2806. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2807. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2808. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2809. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2810. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2811. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2812. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2813. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2814. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2815. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2816. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2817. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2818. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2819. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2820. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2821. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2822. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2823. \ \ t_{e_{1,2},\, e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{1,2}$$

$$2824. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2825. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2826. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2827. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2828. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2829. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2830. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2831.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2832. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2833. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2834.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2835. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2836. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2837.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2838. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2839. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2840. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2841. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2842. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2843. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

2844.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2845. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2846. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2847. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2848. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2849. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2850. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2851. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2852. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2853. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2854. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2855. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2856. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2857. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2858. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2859. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2860. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2861. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2862. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2863. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2864. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2865. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2866. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2867. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2868. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2869. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2870. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2871. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2872. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2873. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2874. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2875. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2876. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2877. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2878. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2879. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2880. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2881. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2882. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2883. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2884. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2885. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2886. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2887. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2888. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2889. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2890. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2891. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2892. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2893. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2894. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2895. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2896. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2897. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2898. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2899. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2900. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2901. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2902. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2903. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2904. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2905. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2906. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2907. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2908. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2909. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3}$$

$$2910. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2911. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2912. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2913. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2914. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2915. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2916. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2917. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2918. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2919. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2920. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2921. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2922. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2923. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2924. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2925. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2926. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2927. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2928. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2929. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2930. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2931. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2932. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2933. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2934. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2935.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2936. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2937. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2938. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2939. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2940. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2941. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2942. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2943. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2944. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2945. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2946. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2947. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2948. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2949. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2950. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2951. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2952. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$2953. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2954. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2955. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2956. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2957. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2958. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2959. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2960. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2961. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2962. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2963. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2964. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2965. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2966. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2967. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2968. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2969. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2970. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2971. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2972. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2973. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2974. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2975. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2976. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2977. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

2978.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2979. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2980. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

2981.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2982. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2983. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2984. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2985. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2986. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2987. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2988.\ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2989. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2990. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2991. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2992. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2993. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2994. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2995. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2996. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2997. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2998. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$2999. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3000. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3001. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3002. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3003. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3004. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3005. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3006. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3007. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3008. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3009. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3010. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3011. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3012. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3013. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3014. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3015. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3016. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3017. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3018. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3019. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3020. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3021. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3022. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3023. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3024. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3025. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3026. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3027. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3028. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3029. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3030. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3031. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3032.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3033.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{\neg e_{1,2},e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3034. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3035.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3036.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3037. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3038. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3039. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3040. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3041. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3042. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3043. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3044. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3045. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3046. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3047.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3048. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3049. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3050. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3051. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3052. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3053. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3054. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3055. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3056. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3057. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3058. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3059. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3060. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3061. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3062.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3063. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3064. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3065. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3066. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3067. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3068. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3069. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3070. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3071. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3072. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3073. \ \ t_{e_{1,2},\, e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{1,2}$$

$$3074. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3075. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3076. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3077. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3078. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3079. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3080. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3081. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3082. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3083. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3084. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3085. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3086. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3087. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3088. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3089. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3090. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3091. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3092. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3093. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3094. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3095. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3096.\ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3097. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3098. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3099. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3100. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3101. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3102. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3103. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3104.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3105. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3106.\ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3107. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3108. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3109. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3110. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3111. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3112. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3113.
$$t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

3114.
$$t_{e_{1,2},e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{\neg e_{1,2},\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\neg e_{1,3}} \lor e_{2,3}$$

$$3115. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3116. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3117. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3118. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3119. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3120. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

3121.
$$t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3122. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3123. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3124. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3125. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3126. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3127. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3128. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3129. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3130. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3131.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3132.
$$t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3133. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3134. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3135. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3136. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3137. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3138. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3139. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

3140.
$$t_{e_{1,2},e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor e_{1,2}$$

$$3141. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3142. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3143.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3144. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3145. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3146. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3147. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3148. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3149. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3150. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3151. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3152. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3153. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3154. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3155. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3156. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3157. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3158.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3159. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3160. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3161.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3162. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3163.
$$t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3164.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3165. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3166. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

3167.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3168. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3169. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

3170.
$$t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$3171. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3172. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3173. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3174. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3175. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3176. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3177. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3178.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3179. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3180. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3181. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3182. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3183. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3184. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3185. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3186. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3187. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3188. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3189. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3190. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3191. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3192. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3193. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3194. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

3195.
$$t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$3196. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

3197.
$$t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$3198. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3199. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3200. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3201. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3202. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3203. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3204. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3205. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3206. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3207. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3208. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3209. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3210. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3211. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3212.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3213.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3214. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3215. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3216. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3217. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3218.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3219. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3220. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3221. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3222. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3223. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3224.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3225. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3226. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3227. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3228. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3229. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3230. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3231. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3232. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3233. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3234. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3235. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3236. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3237. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3238. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3239. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3240. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3241. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3242. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3243. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3244. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3245. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3246. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3247. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3248. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3249. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3250. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3251. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3252. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3253. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3254. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3255. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3256. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3257. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3258. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3259. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3260. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3261. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3262. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3263. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3264. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3265. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3266. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3267. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3268. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3269. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3270. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3271.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3272. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3273. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3274. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3275. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3276.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{\neg e_{1,2},e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3277. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3278. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3279. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3280. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3281. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3282. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3283. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3284. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3285. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3286. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3287. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3288. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3289. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3290. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3291. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3292. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3293. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3294. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3295. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3296. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3297. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3298. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3299. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3300. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3301. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3302. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3303. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3304. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3305.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3306. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3307. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3308. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3309. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3310. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3311. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3312. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

3313.
$$t_{e_{1,2},e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor e_{1,2}$$

$$3314. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \lor e_{1,$$

$$3315. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3316. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3317. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3318. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3319. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3320. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3321.
$$t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$3322. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3323. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3324. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3325. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3326. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3327. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3328. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3329. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

3330.
$$t_{e_{1,2},e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg t_{e_{1,2},e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor e_{1,2}$$

$$3331. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3332. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3333. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3334. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3335. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3336. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

3337.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3338. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3339. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3340.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3341.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3342. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3343. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3344. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3345. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3346. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3347. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3348. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3349. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3350. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3351. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3352. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3353. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3354. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3355. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3356.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3357. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3358. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3359.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3360. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3361. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3362. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3363.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3364. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3365. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3366. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3367.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3368. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3369. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3370. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3371. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3372. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3373. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3374. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3375. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3376. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3377. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3378. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3379. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3380. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3381. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3382. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3383. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3384. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3385. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3386.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3387. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3388. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3389. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3390. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3391. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3392. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3393. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3394. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3395. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3396. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3397. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3398.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3399. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3400. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3401.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3402.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3403. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3404. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3405. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3406. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3407. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3408. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3409. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3410. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3411. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3412. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

3413.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3414. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3415. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3416. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3417. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3418. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3419. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3420. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3421. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3422. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3423. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3424. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3425. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3426. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3427. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3428. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3429. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3430. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3431. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3432. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3433. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3434. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3435. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3436. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3437. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

3438.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\neg e_{1,3}} \lor e_{2,3}$$

$$3439. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3440. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3441. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3442. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3443. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3444. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

3445.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3446. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3447. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3448.
$$t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3449. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3450. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3451. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3452. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3453. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3454. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3455. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3456. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3457. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3458. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3459. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3460. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3461. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3462. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3463. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3464. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3465. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3466. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3467. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3468.\ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3469. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3470. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3471. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3472. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3473. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3474. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3475. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3476. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3477.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3478. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3479. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3480.\ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3481. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3482.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3483. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3484. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3485. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3486. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3487. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3488. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3489. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3490. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3491.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3492.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{\neg e_{1,2},e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3493. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3494.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3495. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3496. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3497. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3498. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3499. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3500. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3501. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3502. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3503. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3504. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3505. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3506. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3507. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3508. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3509. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3510. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3511. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3512. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3513. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3514. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3515. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3516. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3517. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

3518.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3519. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3520. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3521. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3522. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3523. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3524. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3525. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3526. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3527. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3528. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3529. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3530. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3531. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3532. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3533. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3534. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3535. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3536. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

3537.
$$t_{e_{1,2},e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor e_{1,2}$$

$$3538. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3539. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3540. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3541. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3542. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3543. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3544. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3545. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3546.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3547. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3548. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3549. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3550. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3551. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3552. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3553. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3554. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3555. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3556. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3557. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3558. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3559. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3560. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3561. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3562. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3563. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3564. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3565. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3566. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3567. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3568. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3569. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3570. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3571. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3572. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3573. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3574. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3575. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3576. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3577. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3578. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3579. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3580. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3581. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3582. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3583. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3584. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3585. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3586. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3587. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3588. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3589. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3590. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3591. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3592. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3593. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3594. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3595. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3596. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3597. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3598. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3599. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3600. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3601. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3602.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3603. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3604. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3605. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3606.\ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3607. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3608. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3609. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3610. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3611. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3612. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3613. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3614. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3615. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3616. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3617. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3618. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3619. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3620. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3621. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3622. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3623. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3624. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3625. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3626. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3627. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3628. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3629. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3630. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3631. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3632. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3633. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

3634.
$$t_{e_{1,2},e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{\neg e_{1,2},\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\neg e_{1,3}} \lor e_{2,3}$$

$$3635. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3636. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3637. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3638. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3639. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3640. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

3641.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3642. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3643. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3644.
$$t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3645. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3646. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3647. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3648. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3649. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3650. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3651. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3652. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3653. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3654. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3655. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3656. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3657. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3658. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3659. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3660.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3661. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3662. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3663. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3664. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3665. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3666. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3667. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3668. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3669. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3670. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3671.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3672. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3673. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3674. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3675. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3676. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3677. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3678. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3679. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3680. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3681. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3682. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3683. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3684. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3685. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3686. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3687. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3688. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3689. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3690. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3691.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3692. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3693. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3694. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3695. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3696. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3697. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3698. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3699. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3700. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3701. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3702. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3703. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3704. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3705. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3706. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3707. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3708. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3709. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3710. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3711. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3712. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3713. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3714. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3715. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3716. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3717. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3718. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3719. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3720. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3721. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3722.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3723. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3724. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3725. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3726. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3727. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3728. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3729. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3730. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3731. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3732. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3733. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3734.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3735.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3736. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3737.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3738.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3739. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3740. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3741. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3742.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{\neg e_{1,2},e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3743. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3744. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3745. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3746. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3747. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3748. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3749. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3750. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3751. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3752. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3753. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3754. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3755. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3756. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3757. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3758. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3759. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3760. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3761. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3762. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3763. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3764. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3765. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3766. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3767. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3768. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

3769.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3770. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3771. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3772. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3773. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3774. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3775. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3776. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3777. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3778. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3779. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3780. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3781. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3782. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3783. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3784. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3785. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3786. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3787. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3788. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3789.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3790. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3791. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3792. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3793. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3794. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3795. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3796. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3797. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3798. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3799. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3800. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3801. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3802. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3803. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3804. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3805. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3806. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3807. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3808. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3809. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3810. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3811. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3812. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3813. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3814. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3815. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3816.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3817. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3818.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3819.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3820. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3821. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3822. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3823. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3824. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3825. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

3826.
$$t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$3827. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3828. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3829. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3830. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3831. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3832. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3833. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3834. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3835. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3836. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3837. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3838. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3839. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3840. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3841. \ \ t_{e_{1,2},\, e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{1,2}$$

$$3842. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

3843.
$$t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$3844. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3845. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3846. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3847. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3848. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3849. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3850.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3851. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3852. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3853.
$$t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3854. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3855. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3856. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3857. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3858. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3859. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3860.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3861.
$$t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3862. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3863. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3864. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3865. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3866.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3867. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3868. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3869.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3870. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3871.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3872.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3873. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3874. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3875. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3876.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3877. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3878. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3879. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3880. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3881. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3882. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3883. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3884. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3885. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3886. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3887. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3888. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3889. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3890. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3891. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3892. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3893. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3894. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3895. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3896. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3897. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3898. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3899.
$$t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3900. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3901. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3902. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3903. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3904.\ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3905. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3906.\ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3907. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3908. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3909. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3910. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3911.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3912. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3913. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3914. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3915.
$$t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3916. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3917. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3918. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3919. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3920. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3921. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3922. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3923. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3924. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3925. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3926.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3927. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3928. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3929. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3930. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

3931.
$$t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3932. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3933. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3934. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3935. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3936. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3937. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3938. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3939. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3940. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

3941.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3942. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3943. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3944. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3945. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3946. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3947. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3948. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3949. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3950. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3951. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3952. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$3953. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3954. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3955. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3956. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

3957.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3958. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3959. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3960.\ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3961.
$$t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$3962. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3963. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3964. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3965. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3966. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3967. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3968. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3969. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3970. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3971. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3972. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3973. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3974. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3975. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$3976. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

3977.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3978. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3979. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3980. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3981. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3982. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3983. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3984.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3985. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3986. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3987. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3988. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3989. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3990. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3991. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

3992.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$3993. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3994. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3995. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3996. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3997. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3998. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3999. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4000. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

4001.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4002. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4003. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4004. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4005. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4006. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

4007.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4008. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4009. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4010. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4011. \ t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$4012. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4013. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4014. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4015. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4016.\ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4017. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4018. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4019. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4020. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4021. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4022. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4023. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4024. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4025. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4026. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4027. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4028. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4029. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4030. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4031. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4032. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4033. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4034. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4035. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4036. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4037. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4038. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4039.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4040. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4041. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4042. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4043. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4044. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4045. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4046. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4047. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4048. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4049. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4050. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4051. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4052. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4053. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4054. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4055. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4056. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4057. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4058. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4059. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4060. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4061. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4062. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4063. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4064. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4065. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4066. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4067. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4068. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

4069.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4070. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4071. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4072. \ \ t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4073. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4074. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4075. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

4076.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$4077. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4078. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4079. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4080. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4081. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4082. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4083. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4084. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4085. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4086. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4087. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4088.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4089. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4090. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4091. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4092. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4093. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4094. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4095. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4096. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4097. \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4098. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4099. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4100. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4101. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

$$4102. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

4103.
$$t_{e_{1,2},e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor \neg t_{e_{1,2},e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\neg e_{2,3}} \lor e_{1,2}$$

$$4104. \ \ t_{e_{1,2},\,e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

4105.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4106.\ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4107. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4108.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4109.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4110. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4111. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4112.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4113.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4114. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4115.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4116.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4117. \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4118. \ \ t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4119.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4120.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,3},\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4121. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4122. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4123.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4124.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4125.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4126. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4127. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4128. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4129. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4130.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4131.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4132. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4133.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4134. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4135.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4136.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4137. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4138. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4139. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

4140.
$$t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$4141. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4142. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4143. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4144. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4145. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4146. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4147. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4148. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4149. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

4150.
$$t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$4151. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4152. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4153. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4154. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4155. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4156. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4157. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4158. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4159. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4160. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4161. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4162.
$$t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$4163. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4164. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4165. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4166. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4167. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4168. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4169.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4170. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4171.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4172. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4173. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4174.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4175. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4176. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4177.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4178.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4179.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4180. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4181. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4182. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4183. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4184.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4185.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4186.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4187. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4188. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4189. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4190. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4191. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4192. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4193. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4194.
$$t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$4195. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4196. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4197.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4198. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4199.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4200.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4201.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4202. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4203. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4204. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4205. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4206. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4207. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4208. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4209. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4210. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4211.
$$t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$4212. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4213.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4214. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4215. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4216.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4217.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4218. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4219.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4220.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4221. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4222. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4223. \ t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$4224. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4225. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4226. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4227. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4228. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4229.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4230. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4231.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4232.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4233. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4234. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4235. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4236. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4237. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4238. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4239. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4240. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4241. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4242. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4243. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4244. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4245. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4246. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4247.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4248.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4249. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4250.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4251. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4252. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4253. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4254. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4255.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4256. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4257. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4258. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4259. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4260. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4261. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4262. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4263. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4264. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4265. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4266. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4267. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4268. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4269. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4270. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4271. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4272. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4273. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4274. \ t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$4275. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4276. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4277. \ t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$4278. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4279. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4280. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4281. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4282. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4283. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4284. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4285. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4286. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4287. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4288. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4289. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4290. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4291. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4292. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4293. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4294. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4295. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4296. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4297.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4298.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4299. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4300. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4301. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4302. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4303. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4304.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4305. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4306. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4307. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4308. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4309. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4310. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4311. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4312.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4313. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4314. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4315. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4316. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4317. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4318. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4319. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4320. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4321. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4322. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4323. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4324. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4325. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4326. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4327. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4328.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4329.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4330. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4331.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4332.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4333. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4334. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4335. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4336. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4337. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4338. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4339. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4340. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4341. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4342. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4343. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4344. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4345. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4346.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4347.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4348. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4349. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4350. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4351. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4352. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4353. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4354. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4355. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4356. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4357. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4358. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4359. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4360. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4361. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4362. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4363. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4364. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4365. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

4366.
$$t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$4367. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4368. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4369. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4370. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4371. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4372. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4373.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4374. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4375. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4376. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4377. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4378. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4379.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4380. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4381. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4382.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4383.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4384. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4385. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4386. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4387. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4388. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4389.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4390.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4391. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4392. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4393.
$$t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$4394. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4395. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4396. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4397. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4398. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4399. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4400. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4401. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4402. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4403. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4404. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4405. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4406. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4407. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4408. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4409. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4410. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4411. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4412. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4413. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4414. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4415. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4416. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4417. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4418. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4419. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4420. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4421.
$$t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$4422. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4423. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4424. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4425. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4426. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4427.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4428. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4429. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4430.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4431. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4432. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4433.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4434. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4435. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4436.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4437.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4438. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4439.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4440.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4441. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4442. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4443.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4444.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4445. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4446. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4447. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4448. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4449. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4450. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4451. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4452. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4453. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4454.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4455.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4456. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4457. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4458. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4459. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4460. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4461. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4462. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4463. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4464. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4465. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4466.
$$t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$4467. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4468. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4469.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4470. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4471.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4472. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4473. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4474.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4475. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4476. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4477. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4478. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4479. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4480.\ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

4481.
$$t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$4482. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4483. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4484. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4485. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4486. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4487. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4488. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4489. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4490.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4491.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4492. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4493. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4494. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4495. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4496. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4497. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4498. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4499. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4500. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4501.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4502.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4503. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4504. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4505. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4506. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4507. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4508. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4509. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4510. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4511. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4512. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4513. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4514.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4515. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4516. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4517. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4518. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4519. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4520.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4521. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4522. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4523. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4524. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4525. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4526. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4527. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4528. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4529. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4530. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4531. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4532. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4533. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4534. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4535. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4536. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4537. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4538. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4539. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4540. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4541. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4542. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4543. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4544. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4545. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4546. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4547. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4548. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4549. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4550. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4551. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4552. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4553. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4554. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4555.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4556. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4557. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4558. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4559. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4560. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4561. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4562. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4563. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4564. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4565. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4566. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4567. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4568. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4569. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4570. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4571. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4572.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4573. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4574. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4575. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4576. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4577. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4578. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4579. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4580. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4581. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4582. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4583. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4584. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4585. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4586. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4587. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4588. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4589. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4590. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4591. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4592. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4593. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4594. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4595. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4596. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4597. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4598. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4599. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4600. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4601. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4602. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4603. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4604. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4605. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4606. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4607. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4608. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4609. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4610. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4611. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4612. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4613.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4614. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4615. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4616.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4617.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4618. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4619.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4620. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4621. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4622. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4623. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4624. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4625. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4626. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4627. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4628. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4629. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4630. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4631. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4632. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4633.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4634. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4635. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4636. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4637.
$$t_{e_{1,3},e_{2,3}}, \neg t_{e_{1,2},\neg e_{1,3}} \lor \neg t_{e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4638. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4639. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4640. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4641. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4642. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4643.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4644. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4645. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4646.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4647. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4648. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4649. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4650. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4651. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4652. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4653. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4654. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4655. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4656. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4657. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4658. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4659. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4660. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4661. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4662. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4663. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4664. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4665. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4666. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4667. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4668. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4669. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4670. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4671. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4672. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4673. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4674. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4675. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4676. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4677. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4678. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4679. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4680. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4681. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4682.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4683. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4684. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4685. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4686. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4687.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4688. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4689. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4690.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4691.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4692. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4693. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4694. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4695. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4696. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4697.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4698. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4699. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4700.\ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4701. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4702. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4703. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4704. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4705. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4706. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4707. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4708. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4709. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4710.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4711. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4712. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4713. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4714.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4715. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4716. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4717. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4718. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4719. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4720. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4721. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4722. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4723. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4724. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4725. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4726. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4727. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4728. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4729. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4730. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4731. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4732. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4733. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4734. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4735. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4736. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4737. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4738. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4739. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4740. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4741.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4742. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4743. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4744.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4745. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4746. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4747. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4748. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4749. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4750. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

4751.
$$t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$4752. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4753. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4754. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4755. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4756. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4757.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4758. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4759. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4760.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4761.
$$t_{e_{1,3},e_{2,3}}, \neg t_{e_{1,2},\neg e_{1,3}} \lor \neg t_{e_{1,3},e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4762. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4763. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4764. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4765. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4766. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4767.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4768.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4769. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4770. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4771.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4772. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4773.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4774. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4775. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4776. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4777. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4778. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4779. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4780. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4781. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4782. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4783. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4784. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4785. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4786. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4787. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4788. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4789. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4790. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4791. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4792. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4793. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4794. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4795. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4796. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4797. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4798. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4799. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4800. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4801. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4802. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4803. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4804. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4805. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4806. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4807. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4808.\ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4809. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4810. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4811. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4812. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4813. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4814. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4815. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4816. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4817.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4818. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4819. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4820. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4821.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4822. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4823. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4824. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4825. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4826. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4827. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4828. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4829. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4830. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4831. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4832. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4833. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4834. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4835. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4836. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4837.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4838. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4839. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4840. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4841.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4842.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4843. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4844. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4845. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4846. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4847. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4848. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4849. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4850. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4851. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4852. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4853. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4854. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4855. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4856. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4857. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4858. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4859. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4860. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4861. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4862. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4863. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4864. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4865. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4866. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4867. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4868. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4869.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4870. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4871. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4872.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4873. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4874. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4875. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4876.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4877. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4878. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4879. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4880. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4881. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4882. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4883. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4884. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4885. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4886. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4887.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4888. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4889. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4890. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4891.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4892.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4893. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4894. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4895. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4896. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4897.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4898.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4899. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4900. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4901.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4902.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4903. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4904.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4905. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4906. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4907. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4908. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4909. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4910. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4911. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4912. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4913. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4914. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4915. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4916. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4917. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4918. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4919. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4920. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4921. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4922. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4923. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4924. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4925. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4926. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4927. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4928. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4929. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4930. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4931. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4932. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4933. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4934. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4935. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4936. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4937.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4938. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4939. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4940.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4941.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4942. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4943. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4944. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4945. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4946.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4947. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4948. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4949.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4950.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4951. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4952. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4953. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4954. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4955. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4956. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4957. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4958. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4959. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

4960.
$$t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$4961. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4962. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4963. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4964. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4965. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4966. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4967. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4968.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4969. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4970. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4971. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4972. \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4973. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4974. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4975. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4976. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4977. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4978. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4979. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4980. \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4981. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4982. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4983. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4984. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4985. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4986. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

4987.
$$t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4988. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$4989. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4990. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4991. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4992. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,3}$$

$$4993. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4994. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4995. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$4996. \ \ t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

4997.
$$t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

4998.
$$t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$4999. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$5000. \ \ t_{e_{1,3},\,e_{2,3}}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$